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## Snowpack and Water Supply Outlook for British Columbia

January 1, 2002

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Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

Province-wide  
Synopsis

graphs

[B.C Summary Graphs of  
Snow Water Equivalent](#)

Relatively few snow courses are sampled for the January bulletin, but manual snow surveys have been conducted at 90 snow courses. These, together with data from 56 snow pillows, and meteorological and streamflow data from Environment Canada, have been used in making the following analyses.

Snowpack

Snowpacks in parts of northern BC (Skeena & Nechako basins, Northeast BC) are above normal for this date. The remainder of the province has near to slightly above normal snowpacks for January 1.

Weather

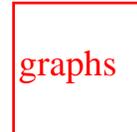
Precipitation this fall and early winter has been highly variable through BC. While most regions' cumulative precipitations have been near normal, the Upper Fraser, Okanagan and Similkameen have had lower than normal cumulative November-December precipitation. Nearly all regions had a mean monthly November temperature 2 to 4 degrees Celsius warmer than normal.

Outlook

By January 1 each year, on average, a little less than half the peak snowpack for the winter has fallen. This means that the weather patterns during the next four months or so still have a major effect on the total snowpack when the freshet begins in the spring. Also, as the snowpacks are relatively shallow, the actual date of the sampling has more effect than later in the year. However, if normal snow accumulations occur during the next 3 or 4 months, freshet volumes should be near to slightly above normal this year.



Upper Fraser & Nechako  
Basins



[Data Graphs](#)



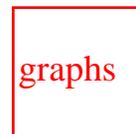
[Snow Survey Data  
Measurements](#)

### January 1, 2002

After a fairly dry September in both basins, the Nechako had a higher than normal precipitation during October and November, while the Upper Fraser was drier than usual October through December. November was considerably (4 deg C) warmer than normal. The difference in precipitation is reflected in the slightly below normal snowpack in the Upper Fraser and the 23% higher than normal snowpack in the Nechako basin.

Regional runoff as indicated by flows in the Fraser River near Marguerite was slightly above normal during December.

Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

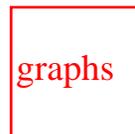
### January 1, 2002

Despite a nearly 3 deg C warmer than normal November, a slightly higher than normal cumulative October through December precipitation has resulted in slightly higher than normal snowpacks in the Middle Fraser, and 20% higher than normal January 1 snowpacks in the Lower Fraser.

The monthly flow in the Fraser River at Hope was 80% of normal for December.



Thompson Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

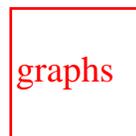
### January 1, 2002

Precipitation in the North and South Thompson basins has been variable over the last three months, with the cumulative total over that period near normal. As for much of BC, November mean temperature was 3 to 4 deg higher than usual.

Snowpacks in both basins are slightly (12 to 14%) above normal for this date.

Regional runoff as indicated by mean monthly flow in the Thompson River at Spences Bridge was slightly lower than normal in November, and slightly above normal in December.

Columbia Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
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### January 1, 2002

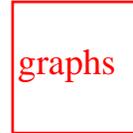
Temperatures and cumulative October through December precipitation, as measured at Revelstoke, have been near normal.

Snowpacks in the Columbia basin are near to slightly above normal for this date.

Regional runoff, as measured by the mean monthly flow in the Columbia River at Donald, has been low at 69% and 63% of normal for November and December respectively.



Kootenay Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

### January 1, 2002

Well below normal September to November precipitation at Cranbrook was followed by normal December precipitation. Like much of BC, November mean temperature was warmer than usual.

Despite a mainly drier than normal fall as measured at Cranbrook, snowpacks in the Kootenay basin are near normal for this date.

The regional runoff as indicated by the mean monthly flow in the Kootenay River at Fort Steele were lower than normal during November and December.

Okanagan, Kettle, and Similkameen Basins



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

### January 1, 2002

November mean temperatures were 2.5 deg C warmer than normal during November in the Okanagan and Similkameen. This warmer trend continued through December in the Similkameen. Precipitation at Kelowna and Princeton was low during November, but near normal during December.

Snowpacks are normal in the Similkameen, and slightly above normal in the Okanagan for January 1.

Releases from Okanagan Lake, and lake levels, were very near normal during December.



Coastal Region &  
Vancouver Island



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

### January 1, 2002

Mean monthly temperatures during October and November, as measured at Vancouver, were above normal. Although monthly precipitation was variable, cumulative October through December precipitation on the South Coast and Vancouver Island were near normal.

Snowpacks on the South Coast and Vancouver Island are slightly above normal for this time of year.

Regional runoff as indicated by the inflow to Upper Campbell Lake on Vancouver Island was well above normal in November, and below normal during December.

North East Region



[Data](#)  
[Graphs](#)



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[Measurements](#)

### January 1, 2002

Monthly precipitation in the Liard basin was well above normal during the last two months, as measured at Fort Nelson. No data are available at this time for precipitation in the Peace basin. Mean monthly temperature in November was

around 2 deg C warmer than usual.

Snowpacks in the Peace are above normal, with those in the Liard slightly above normal based on a very few measurements.

Runoff as measured by the inflow to Williston Lake were 28% and 37% above normal during November and December respectively.

NorthWest Region

graphs

[Data](#)

[Graphs](#)



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## January 1, 2002

Both November and December mean temperatures were higher than usual in Northwest BC, as measured at Smithers. Precipitation has been variable, with a drier than usual in October and December, and higher precipitation than expected during November.

Snowpacks, as measured at index snow stations, is 31% above normal for January 1.

Runoff, as indicated by flows in the Skeena River at Usk, was only 73% of normal during December, after near normal flows in November.



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**UPPER and MIDDLE FRASER***January 1, 2002***UPPER FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	01	-	150	90	150	312	90	179	21
BURNS LAKE	1A16	800	02	34	58	40	48	176	26	69	27
HEDRICK LAKE	1A14	1100	30	87	250	161	482B	640	161	368*	11
HEDRICK LAKE	1A14P	1100	01	-	368	233	461	461	233	347*	2
KAZA LAKE	1A12	1190	02	81	220	156	211	371	113	182*	16
KNUDSEN LAKE	1A15	1580	30	115	387	242	-	821	242	435*	12
LONGWORTH (UPPER)	1A05	1740	30	126	406	254	-	694	254	427*	11
MOUNT SHEBA	4A18	1490	30	146	450	244	505B	793	244	456*	13
PACIFIC LAKE	1A11	770	30	79	183	150	426B	476	150	293*	18
PHILIP LAKE	4A13	980	02	67	163	92	187	268	64	120	19
PRINCE GEORGE A	1A10	690	03	21	42	30	61	156	19	69	39
REVOLUTION CREEK	1A17P	1690	01	-	432	222	420	814	222	452	17
YELLOWHEAD	1A01P	1860	01	-	334	184	428	428	184	301*	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NECHAKO****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
MOUNT PONDOSY	1B08P	1400	01	-	607	-	457	686	283	474*	8
MOUNT WELLS	1B01P	1490	01	-	384	216	232	433	216	310	9
SKINS LAKE	1B05	880	02	16	45	35	56	111	0	53*	16
TAHTSA LAKE	1B02P	1300	01	-	957	509	817	939	475	693*	9

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

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\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	01	-	150	90	150	312	90	179	21
BIG CREEK	1C21	1140	03	12	18	30	10	62	10	44	15

BOSS MOUNTAIN MINE	1C20P	1460	01	-	330	233	345	461	233	323	8
BRALORNE	1C14	1450	28	42	96	48	86	158	48	91*	7
BRALORNE (UPPER)	1C37	1980	28	124	318	244	372	504	195	353*	7
BRENDA MINE	2F18P	1460	01	-	230	-	121	304	107	195	7
BRIDGE GLACIER (LOWER)	1C39	1400	28	118	330	224	270	456	204	320*	7
DOWNTON LAKE (UPPER)	1C38	1890	28	169	602	324	504	690	294	511*	7
GRANITE MOUNTAIN	1C33	1150	27	37	87	76	69	158	43	102*	9
GREEN MOUNTAIN	1C12P	1780	01	-	573	268	524	707	268	474*	8
LAC LE JEUNE (LOWER)	1C07	1370	31	29	52	44	23	123	8	66	29
LAC LE JEUNE (UPPER)	1C25	1460	31	36	84	58	40	146	10	81	29
MCGILLIVRAY PASS	1C05	1800	28	114	301	191	276	458	191	284*	9
MISSION RIDGE	1C18P	1850	01	-	302	165	311	659	148	270	15
MOUNT TIMOTHY	1C17	1660	29	58	127	-	-	251	38	149	14
NAZKO	1C08	1070	Not Available			30	13	84	13	39	16
PUNTZI MOUNTAIN	1C22	940	03	14	22	22	44	106	0	40	29
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Available			152	240	364	152	262*	7
YANKS PEAK EAST	1C41P	1670	01	-	375	296	416	491	296	426*	5

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**MIDDLE and LOWER FRASER***January 1, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	01	-	150	90	150	312	90	179	21
BIG CREEK	1C21	1140	03	12	18	30	10	62	10	44	15
BOSS MOUNTAIN MINE	1C20P	1460	01	-	330	233	345	461	233	323	8
BRALORNE	1C14	1450	28	42	96	48	86	158	48	91*	7
BRALORNE (UPPER)	1C37	1980	28	124	318	244	372	504	195	353*	7
BRENDA MINE	2F18P	1460	01	-	230	-	121	304	107	195	7
BRIDGE GLACIER (LOWER)	1C39	1400	28	118	330	224	270	456	204	320*	7
DOWNTON LAKE (UPPER)	1C38	1890	28	169	602	324	504	690	294	511*	7
GRANITE MOUNTAIN	1C33	1150	27	37	87	76	69	158	43	102*	9
GREEN MOUNTAIN	1C12P	1780	01	-	573	268	524	707	268	474*	8

LAC LE JEUNE (LOWER)	1C07	1370	31	29	52	44	23	123	8	66	29
LAC LE JEUNE (UPPER)	1C25	1460	31	36	84	58	40	146	10	81	29
MCGILLIVRAY PASS	1C05	1800	28	114	301	191	276	458	191	284*	9
MISSION RIDGE	1C18P	1850	01	-	302	165	311	659	148	270	15
MOUNT TIMOTHY	1C17	1660	29	58	127	-	-	251	38	149	14
NAZKO	1C08	1070	Not Available			30	13	84	13	39	16
PUNTZI MOUNTAIN	1C22	940	03	14	22	22	44	106	0	40	29
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Available			152	240	364	152	262*	7
YANKS PEAK EAST	1C41P	1670	01	-	375	296	416	491	296	426*	5

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## LOWER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BEAVER PASS	WA12	1120	28	109	381	122	264	615	122	328*	5
CHILLIWACK RIVER	1D17P	1600	01	-	776	409	776	1165	409	744	9
DICKSON LAKE	1D16	1070	30	176	668	408	830A	1110	360	740*	9
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			-	-	1304	487	922*	3
DOG MOUNTAIN	3A10	1080	03	176	745	324	563	897	96	561	15

EASY PASS	WA13	1580	Not Available			-	-	1651	229	755*	20
GREAT BEAR	1D15P	1660	01	-	870	424	881	954	424	651	9
KLESILKWA	3D03A	1130	30	48	107	64	153	386	0	130*	11
NAHATLATCH RIVER	1D10	1520	Not Available			291	-	975	219	562*	10
SPUZZUM CREEK	1D19P	1180	01	-	731	394	840	840	394	652*	3
STAVE LAKE	1D08	1210	30	201	735	362	-	976	112	577*	11
TENQUILLE LAKE	1D06	1680	30	194	645	357	708	875	205	522	24
TENQUILLE LAKE	1D06P	1680	01	-	623	285	-	285	285	285*	1
WAHLEACH LAKE	1D09	1400	30	90	300	220	333	417	46	244*	15
WAHLEACH LAKE	1D09P	1400	01	-	494	354	506	777	259	500*	9
WOLVERINE CREEK	1D13	300	01	38	108	60	36	193	0	93	25

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\* - PERIOD OF RECORD AVERAGE

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### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BEAVER PASS	WA12	1120	28	109	381	122	264	615	122	328*	5
FREEZEOUT CREEK TRAIL	WA11	1070	27	43	79	66	104	259	66	160*	5
HARTS PASS	WA09	1980	26	206	643	315	551	744	315	537*	3
HARTS PASS	WA09P	1980	02	-	508	282	470	737P	282	481*	4
KLESILKWA	3D03A	1130	30	48	107	64	153	386	0	130*	11

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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# THOMPSON

*January 1, 2002*

## NORTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	01	-	660	390	780	780	390	604*	5
BLUE RIVER	1E01B	670	Not Available		-	-	263	69	156*	15	
BOSS MOUNTAIN MINE	1C20P	1460	01	-	330	233	345	461	233	323	8
COOK CREEK	1E14P	1280	01	-	240	-	255	255	255	255*	1
KOSTAL LAKE	1E10P	1770	01	-	463	346	466	590	303	437	17
MOUNT COOK	1E02P	1550	01	-	694	-	-	-	-	-	0
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**SOUTH THOMPSON****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ENDERBY	1F04	1900	30	189	520	301	540	742	292	476	26
KIRBYVILLE LAKE	2A25	1750	27	220	714	351	703	854	351	565	18
MONASHEE PASS	2E01	1370	30	53	134	99	160	239	84	162	21
PARK MOUNTAIN	1F03P	1890	01	-	455	256	489	632	256	410	16
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	01	-	150	90	150	312	90	179	21
BIG CREEK	1C21	1140	03	12	18	30	10	62	10	44	15
BOSS MOUNTAIN MINE	1C20P	1460	01	-	330	233	345	461	233	323	8
BRALORNE	1C14	1450	28	42	96	48	86	158	48	91*	7
BRALORNE (UPPER)	1C37	1980	28	124	318	244	372	504	195	353*	7

BRENDA MINE	2F18P	1460	01	-	230	-	121	304	107	195	7
BRIDGE GLACIER (LOWER)	1C39	1400	28	118	330	224	270	456	204	320*	7
DOWNTON LAKE (UPPER)	1C38	1890	28	169	602	324	504	690	294	511*	7
GRANITE MOUNTAIN	1C33	1150	27	37	87	76	69	158	43	102*	9
GREEN MOUNTAIN	1C12P	1780	01	-	573	268	524	707	268	474*	8
LAC LE JEUNE (LOWER)	1C07	1370	31	29	52	44	23	123	8	66	29
LAC LE JEUNE (UPPER)	1C25	1460	31	36	84	58	40	146	10	81	29
MCGILLIVRAY PASS	1C05	1800	28	114	301	191	276	458	191	284*	9
MISSION RIDGE	1C18P	1850	01	-	302	165	311	659	148	270	15
MOUNT TIMOTHY	1C17	1660	29	58	127	-	-	251	38	149	14
NAZKO	1C08	1070	Not Available			30	13	84	13	39	16
PUNTZI MOUNTAIN	1C22	940	03	14	22	22	44	106	0	40	29
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Available			152	240	364	152	262*	7
YANKS PEAK EAST	1C41P	1670	01	-	375	296	416	491	296	426*	5

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# COLUMBIA

*January 1, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	01	-	660	390	780	780	390	604*	5
BEAVERFOOT	2A11	1890	28	42	116	55	105	215	55	118	17
BUSH RIVER	2A23	1920	27	156	510	243	636	722	216	416	18
DOWNIE SLIDE (LOWER)	2A27	980	Not Available			196	-	504	190	320	17
DOWNIE SLIDE (UPPER)	2A29	1630	27	237	770	370	902	1022	370	575	16
FIDELITY MOUNTAIN	2A17	1870	31	166	635	349	799	1228	334	610	27
GLACIER	2A02	1250	27	96	283	188	373	519	147	331	31
GOLDSTREAM	2A16	1920	27	200	660	355	732	906	355	579	17
KEYSTONE CREEK	2A18	1890	27	145	449	217	499	577	217	376	17
KICKING HORSE	2A07	1650	31	48	107	-	161	257	87	169	22
KIRBYVILLE LAKE	2A25	1750	27	220	714	351	703	854	351	565	18

MOLSON CREEK	2A21P	1980	01	-	649	322	694	1072	318	565	21
MOUNT ABBOT	2A14	1980	30	189	651	298	837	1065	298	575	17
MOUNT REVELSTOKE	2A06P	1830	01	-	616	317	745	835	317	571	9
SUNBEAM LAKE	2A22	2010	27	154	489	243	624	767	243	479	18
VERMONT CREEK	2A19	1520	28	75	206	91	-	328	91	221	17

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BARNES CREEK	2B06	1620	30	87	233	160	296	363	146	240	16
BARNES CREEK	2B06P	1620	01	-	248	158	278	409	158	285*	9
EAST CREEK	2D08P	2030	01	-	413	206	500	858	206	476	20
FARRON	2B02A	1220	27	56	159	100	155	330	40	177	17
FERGUSON	2D02	880	04	75	215	168	222	409	117	263	22
KOCH CREEK	2B07	1860	30	129	419	234	389	452	170	329	13
MONASHEE PASS	2E01	1370	30	53	134	99	160	239	84	162	21
RECORD MOUNTAIN	2B09	1890	30	145	504	188	362	538	134	401	17

ST. LEON CREEK	2B08	1800	30	186	618	325	715	1164	325	620	14
ST. LEON CREEK	2B08P	1800	01	-	529	221	578	637	221	569	6
WHATSHAN (UPPER)	2B05	1480	30	103	289	169	349	543	169	316	17

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# KOOTENAY

*January 1, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BANFIELD MOUNTAIN	MT05P	1710	01	-	216	145	185	340	112	196*	4
FERNIE EAST	2C07	1250	30	57	144	80	86	330	28	166	26
FLOE LAKE	2C14	2090	28	124	405	181	484	747	181	383	17
FLOE LAKE	2C14P	2090	01	-	360	173	473	502	173	332	6
HAWKINS LAKE	MT06P	1970	01	-	312	145	221	419	145	234*	4
HIGHWOOD SUMMIT (BUSH)	AL02	2210	Not Available			-	229	399	97	228*	11
MARBLE CANYON	2C05	1520	31	57	136	74	175	300	74	176	27
MORRISSEY RIDGE	2C09Q	1800	01	-	319	123	210	706	123	322	18
MOUNT ASSINIBOINE	2C15	2230	28	102	294	111	335	567	111	248	18
MOUNT JOFFRE	2C16	1750	28	52	133	-	-	364	86	155	15

MOYIE MOUNTAIN	2C10P	1930	01	-	176	143	140E	354	76	177*	22
SULLIVAN MINE	2C04	1550	28	51	113	71	69	226	29	122*	16
SUNSHINE VILLAGE	AL05	2230	03	99	272	137	389	389	137	234*	5
THUNDER CREEK	2C17	2010	28	45	101	61	69	276	61	117	17
WEASEL DIVIDE	MT02	1660	02	132	414	162	302	691	162	376*	16

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## WEST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BUNCHGRASS MEADOW	WA01P	1520	01	-	422	218	343	488	218	324*	4
CHAR CREEK	2D06	1310	02	100	269	144	240	480	110	239	18
EAST CREEK	2D08P	2030	01	-	413	206	500	858	206	476	20
FERGUSON	2D02	880	04	75	215	168	222	409	117	263	22
GRAY CREEK (LOWER)	2D05	1550	Not Available			-	-	372	69	185	20
GRAY CREEK (UPPER)	2D10	1910	Not Available			-	-	612	222	380	11
KOCH CREEK	2B07	1860	30	129	419	234	389	452	170	329	13
MOUNT TEMPLEMAN	2D09	1860	28	148	486	277	572	902	277	504	15

NELSON	2D04	930	31	74	212	121	147	366	66	173	42
REDFISH CREEK	2D14P	2104	01	-	686	-	-	-	-	-	0

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**KETTLE, OKANAGAN and SIMILKAMEEN***January 1, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	27	56	159	100	155	330	40	177	17
GRANO CREEK	2E07P	1860	01	-	315	143	240	308	143	211*	4
MONASHEE PASS	2E01	1370	30	53	134	99	160	239	84	162	21

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**OKANAGAN****Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
BRENDA MINE	2F18P	1460	01	-	230	-	121	304	107	195	7
GREYBACK RESERVOIR	2F08	1550	Not Available			84	94	181	56	112	19
ISINTOK LAKE	2F11	1680	27	33	74	85	42	196	16	84	36
MISSION CREEK	2F05P	1780	01	-	311	120	263	326	104	201	31
MOUNT KOBAN	2F12	1810	30	67	185	124	112	261	28	157	25
SUMMERLAND RESERVOIR	2F02	1280	27	44	104	64	63	198	46	111	38

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SIMILKAMEEN

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BLACKWALL PEAK	2G03P	1940	01	-	450	173	364	923	108	391	32
FREEZEOUT CREEK TRAIL	WA11	1070	27	43	79	66	104	259	66	160*	5
HARTS PASS	WA09	1980	26	206	643	315	551	744	315	537*	3
HARTS PASS	WA09P	1980	02	-	508	282	470	737P	282	481*	4
ISINTOK LAKE	2F11	1680	27	33	74	85	42	196	16	84	36
MISSEZULA MOUNTAIN	2G05	1550	27	39	86	74	54	197	54	116*	9

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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**COASTAL***January 1, 2002***SOUTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DOG MOUNTAIN	3A10	1080	03	176	745	324	563	897	96	561	15
GROUSE MOUNTAIN	3A01	1100	03	199	864	380	592	878	24	428	21
NOSTETUKO RIVER	3A22P	1500	01	-	304	-	427	524	32	275*	10
ORCHID LAKE	3A19	1190	Not Available			498	-	1214	202	801	20
ORCHID LAKE	3A19P	1190	Not Available			505	-	1285	243	747*	16
PALISADE LAKE	3A09P	880	Not Available			-	-	785	337	635*	3
UPPER MOSELY CREEK	3A24P	1650	01	-	184	149	204	491	85	182	13
UPPER SQUAMISH RIVER	3A25P	1340	01	-	799	454	956	1072	454	723	10

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**VANCOUVER ISLAND****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ELK RIVER	3B04	270	03	20	71	0T	0	264	0T	81*	17
FORBIDDEN PLATEAU	3B01	1130	30	184	662	531	601	1287	0	587	19
JUMP CREEK	3B23P	1160	01	-	589	266	353	806	244	437*	6
WOLF RIVER (LOWER)	3B19	640	03	78	234	-	102	326	0	137*	12
WOLF RIVER (MIDDLE)	3B18	1070	03	97	284	200	234	590	0	241*	13
WOLF RIVER (UPPER)	3B17P	1490	01	-	582	378	719	1057	150	531	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NORTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

BURNT BRIDGE CREEK	3C08P	1330	01	-	585	-	454	600	400A	485*	3
TAHTSA LAKE	1B02P	1300	01	-	957	509	817	939	475	693*	9
WEDEENE RIVER SOUTH	3C07	300	31	79	257	-	-	-	-	-	0

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**NORTH EAST***January 1, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AIKEN LAKE	4A30P	1040	Not Available		120	158	262	86	138*	14	
BULLHEAD MOUNTAIN	4A28	790	27	30	54	2A	0	111	0	47*	18
BULLMOOSE CREEK	4A31	1570	Not Available		160	219	493	94	264*	13	
FORT ST. JOHN A	4A25	690	30	26	36	28	44	134	14	56	26
FREDRICKSON LAKE	4A10	1310	03	66	148	127	143	250	102	142*	12
GERMANSEN (UPPER)	4A05	1500	02	86	251	155	194	364	99	179	19
JOHANSON LAKE	4B02	1540	03	77	201	-	155	282	90	148	18
KAZA LAKE	1A12	1190	02	81	220	156	211	371	113	182*	16
KWADACHA RIVER	4A27P	1620	01	-	210	128	197	307	109	171	15
LADY LAURIER LAKE	4A07	1460	04	133	427	233	369	472	154	249	18

MACKENZIE A	4A19	700	30	41	84	40	112	283	40	97	28
MONKMAN CREEK	4A20	1550	30	92	294	145	-	546	145	273*	10
MORFEE MOUNTAIN	4A16	1450	04	139	468	349	-	710	349	521*	6
MOUNT SHEBA	4A18	1490	30	146	450	244	505B	793	244	456*	13
MOUNT STEARNS	4A21	1500	03	53	138	50	46	151	45	86*	12
PACIFIC LAKE	1A11	770	30	79	183	150	426B	476	150	293*	18
PHILIP LAKE	4A13	980	02	67	163	92	187	268	64	120	19
PINE PASS	4A02	1430	04	238	799	606	720	988	314	549	20
PINE PASS	4A02P	1400	01	-	680	460	491	1016	460	566	12
PULPIT LAKE	4A09	1310	03	105	300	224	248	398	182	249*	13
PULPIT LAKE	4A09P	1310	01	-	287	247	238	344	158	255*	10
SIKANNI LAKE	4C01	1400	03	74	199	120	129	257	65	138	18
TRYGVE LAKE	4A11	1400	Not Available			154	-	299	126	188	15
TSAYDAYCHI LAKE	4A12	1160	02	102	310	196	211	393	128	186	18
TUTIZZI LAKE	4A06	1070	02	73	191	94	200	200	85	138*	11
WARE (LOWER)	4A04	980	03	68	174	90	124	240	63	114*	11
WARE (UPPER)	4A03	1570	03	80	224	121	148	248	97	161*	12
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## LIARD

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

DEADWOOD RIVER	4C09P	1300	01	-	79	-	58	211	34	82*	7
DEASE LAKE	4C03	820	30	36	61	42	41	150	20	70	35
FORT NELSON A	4C05	380	31	48	85	26	47	112	20	57*	34
SIKANNI LAKE	4C01	1400	03	74	199	120	129	257	65	138	18

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

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\* - PERIOD OF RECORD AVERAGE

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# NORTH WEST

*January 1, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DEASE LAKE	4C03	820	30	36	61	42	41	150	20	70	35
KINASKAN LAKE	4D11P	1020	01	-	221	128	183	378	104	189*	11
TUMEKA CREEK	4D10P	1220	01	-	311	-	326	591	186	341	9
WADE LAKE	4D14P	1370	01	-	184	166	243	344	91	240	10

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## YUKON

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKEENA/NASS

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CEDAR-KITEEN	4B18P	885	01	-	338	229	-	229	229	229*	1
GRANDUC MINE	4B12P	790	01	-	1065	-	-	-	-	-	0
HUDSON BAY MTN.	4B03A	1480	02	114	359	199	210	470	135	254	26
JOHANSON LAKE	4B02	1540	03	77	201	-	155	282	90	148	18
KAZA LAKE	1A12	1190	02	81	220	156	211	371	113	182*	16
LU LAKE	4B15P	1310	01	-	206	94	86	146	86	111*	4
SHEDIN CREEK	4B16P	1480	01	-	551	454	435	503	353	425*	6
TERRACE A	4B13A	180	03	32	100	89	110	162	0	76*	19
TRYGVE LAKE	4A11	1400	Not Available			154	-	299	126	188	15
TSAI CREEK	4B17P	1360	01	-	904	405	-	589	405	525*	3
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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[Province-Wide Synopsis](#)

# Snowpack and Water Supply Outlook for British Columbia

February 1, 2002

Basin Commentaries

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

[-Upper Fraser](#)

[-Mid and Lower Fraser](#)

[-Thompson](#)

## Province-wide Synopsis

graphs

[B.C Summary Graphs of Snow Water Equivalents](#)

[-Columbia](#)

Manual snow surveys have been conducted at 123 snow courses in BC and 15 in surrounding jurisdictions. These, together with data from 55 snow pillows, and meteorological and streamflow data from Environment Canada, have been used in making the following analyses.

[-Kootenay](#)

[-Okanagan, Kettle, and Similkameen](#)

### Snowpack

Snow accumulation during January was very close to average in most parts of the province. This means that most areas have near normal snowpacks for this time of year. Exceptions are the northwestern portions of the province where the snowpacks in the Nechako and the Stikine/Taku basins are well above normal for this date.

[-Coastal](#)

[-NorthEast](#)

One factor that most areas seem to have in common is that many lower elevation snow courses have below normal snowpacks for this date. This is probably due to the above normal temperatures reported for the last three months which would result in the snowline elevation being above normal for this period.

[-NorthWest](#)

[Groundwater Snow Pillow Graphs](#)

### Weather

Mean monthly temperatures at representative stations around the province indicate that January mean temperatures were above to well above normal. Precipitation measured at valley bottom stations varied somewhat but was

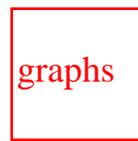
generally a little below normal in January.

## Outlook

Mountain snow accumulation should continue for another two or three months. About two-thirds of the peak amount of snow for the year has normally occurred by this date, so, unless abnormal weather occurs, it appears that the very dry conditions experienced in many areas last year will not be repeated this year.

Snow Survey Bulletins for 1997 through last month's Bulletin are available through the [archives](#).

### Upper Fraser & Nechako Basins



[Data Graphs](#)



[Snow Survey Data Measurements](#)

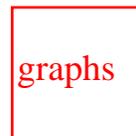
## February 1, 2002

The mean temperature at Prince George during January was 3.7°C above normal, with precipitation only 73% of normal

The snow water equivalent index for the upper Fraser is very close to normal for this date. Individual snow courses vary somewhat, but the higher readings (as a percentage of normal) are generally at higher altitudes and farther to the west side of the basin. The Nechako basin snowpack is estimated to be 44% above normal for February 1st.

The natural flow as indicated by the Fraser River at Marguerite was again above normal during January.

### Middle and Lower Fraser



[Data Graphs](#)



[Snow Survey Data Measurements](#)

## February 1, 2002

Precipitation in the middle and lower Fraser as measured at Quesnel and Abbotsford was close to normal during January, the cumulative totals since November 1 being 71% and 106% of normal, respectively. Mean January temperatures at both locations were above normal.

The middle Fraser basin snow index is very close to normal, while the lower Fraser is estimated to be about 20% above normal. While this indicates that the freshet volumes will be near normal, peak flows depend on weather patterns in May and June.

The flow in the Fraser River at Hope was very close to normal during January.



### Thompson Basin

graphs

[Data](#)

[Graphs](#)



[Snow Survey Data](#)

[Measurements](#)

## February 1, 2002

Precipitation at valley bottom stations during January was below normal, with the cumulative total for the last three months being 87% of normal in the North Thompson (at Blue River) and 69% of normal in the South Thompson as represented by Kamloops. Average temperatures at both these stations were above normal during the month.

In the North Thompson basin the regional snowpack index is estimated to be 9% above normal while in the South Thompson basin it is estimated to be about 20% above normal. This compares with figures of 30% and 39% below normal respectively at this date a year ago. Unless abnormal conditions occur, it appears that water supplies this year will be close to, or a little above, normal.

The flow in the Thompson River at Spences Bridge was very close to normal

during January.

## Columbia Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

## February 1, 2002

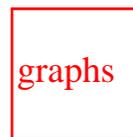
Below normal precipitation and a mean temperature 3°C above normal were reported for January at the Revelstoke climate station.

Snow accumulations in the Columbia basin were very close to normal and the regional snow index remains at 8% above normal, unchanged from last month. While there is the usual variation from course to course, the trend appears to be that the lower snowcourses have relatively lower amounts of snow, presumably as a result of the warmer than normal temperatures reported for the past three months.

The natural regional runoff as indicated by the Columbia River at Donald continued the trend of the last few months and remained well below normal during January.



## Kootenay Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

## February 1, 2002

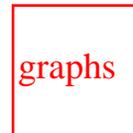
Precipitation at Cranbrook was only about half the normal amount during January, but the cumulative total for the last three months is about 68% of normal. Mean temperatures were above normal for the third consecutive month.

Snow accumulations during January have been close to normal in the Kootenays with the regional snowpack remaining very close to normal for this date. This is in

marked contrast to last year when the snowpack was only about half its normal amount. The East Kootenay area appears to have relatively less snow than the western portion of the area. Unless abnormal weather conditions occur, freshet runoff this year will be considerably greater than last year.

Natural regional runoff as indicated by the Kootenay River at Fort Steele was well below normal during January.

Okanagan, Kettle, and  
Similkameen Basins



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

## February 1, 2002

The mean monthly temperature at Kelowna Airport was about 3°C above normal for January and this was accompanied by precipitation slightly above normal.

In the Okanagan-Kettle basin, snowpack accumulations have averaged slightly greater than normal so that the regional index has increased from 7% above normal a month ago to 24% above normal this month. Based on relatively few readings, the snowpack index in the Similkameen basin appears to have fallen slightly to be about 5% below normal at this date.

Probably as the result of some low-level melting, inflow to Okanagan Lake was above normal during January. The lake is close to its target level for this date and, given the current snowpack, it is anticipated that it will be brought to its full supply level this summer. Unless there are abnormal weather patterns in the coming months, there should be adequate supplies of water for all users this summer.



## Coastal Region & Vancouver Island

[graphs](#)

[Data](#)

[Graphs](#)



[Snow Survey Data](#)

[Measurements](#)

### February 1, 2002

Both temperatures and precipitation as measured at Vancouver and Nanaimo weather stations were a little above normal during January.

Snowfall accumulations on both the South Coast and Vancouver Island have been slightly below normal during January. As a result the regional snowpack indices are 7% above and 8% below normal, respectively. This is a great change from the readings a year ago when the snowpacks were about 40% below normal.

Regional runoff as indicated by the inflow to Upper Campbell Lake on Vancouver Island was more than twice normal for the month of January. This is probably the result of warm storms that moved through the area earlier in the month.

## North East Region

[graphs](#)

[Data](#)

[Graphs](#)



[Snow Survey Data](#)

[Measurements](#)

### February 1, 2002

January precipitation as measured at Fort St. John was about 44% below normal during January and this was accompanied by temperatures averaging 2.4°C above normal.

January snow accumulations in the Peace River drainage were slightly below normal. The regional snowpack index, however, remains above normal at 119% of normal. This should ensure considerably more plentiful water supply than occurred last year. The snowpack in the Liard River basin continues to be very close to normal for this time of year.

Runoff as measured by the inflow to Williston Lake was well above normal for the

third consecutive month.

NorthWest Region

graphs

[Data](#)

[Graphs](#)

[Snow Survey Data](#)

[Measurements](#)

## February 1, 2002

Warmer than normal mean monthly temperatures at Smithers was accompanied by below normal precipitation during January.

Snow accumulation during the month was normal in the Skeena and Nass basins with the regional snowpack index remaining about 30% greater than normal for this date. This compares with about 20% below normal at this time last year. Peak flows will depend on both the accumulation of snow in the next two months and the weather during the melt. However, given the current snowpack, there is a higher potential risk of flooding in this area than elsewhere in the province.

Runoff, as indicated by flows in the Skeena River at Usk was a little above normal.



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# UPPER and MIDDLE FRASER

*February 1, 2002*

## UPPER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PRINCE GEORGE A	1A10	690	30	44	79	46	81	224	46	118	40
PACIFIC LAKE	1A11	770	28	152	370	216	455	679	216	425	34
BURNS LAKE	1A16	800	02	46	92	60	84	232	44	112	31
CANOE RIVER	2A01A	910	29	34	80	45	65	140	39	102	27
PHILIP LAKE	4A13	980	29	87	208	118	201	353	118	199	35
HEDRICK LAKE	1A14	1100	28	158	423	252	512	823	252	465	34
HEDRICK LAKE	1A14P	1100	01	-	604	356	649	649	356	503*	2
BIRD CREEK	1A23	1180	01	52	106	68	66	176	66	109*	11
KAZA LAKE	1A12	1190	29	100	279	213	225	440	125	229	32
MOUNT SHEBA	4A18	1490	28	208	613	326	524	918	317	543	32
BARKERVILLE	1A03P	1520	01	-	206	150	221	351	150	251	23
KNUDSEN LAKE	1A15	1580	28	189	581	290	531	899	290	613	31
MC BRIDE (UPPER)	1A02	1580	28	102	255	140	283	503	140	315	48
REVOLUTION CREEK	1A17P	1690	01	-	625	305	585	930	305	609	16

LONGWORTH (UPPER)	1A05	1740	28	210	632	-	536	890A	315	523	28
MARMOT JASPER	AL12	1830	01	68	155	86	-	191	86	156*	4
YELLOWHEAD	1A01P	1860	01	-	428	233	476	596	233	409*	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## NECHAKO

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SKINS LAKE	1B05	880	01	31	55	54	87	224	35	93	34
TAHTSA LAKE	1B02	1300	31	306	1123	738	887	1209	508A	779	47
TAHTSA LAKE	1B02P	1300	01	-	1177	829	969	1079	652	898*	8
KIDPRICE LAKE	4B01	1370	31	247	953	595	537	894B	440	607	44
MOUNT PONDOSY	1B08P	1400	01	-	747	512	561	750	393	595*	9
MOUNT WELLS	1B01	1490	31	141	443	235	281	549B	213	367	18
NUTLI LAKE	1B07	1490	31	160	484	275	309	579	275	383*	10
MOUNT WELLS	1B01P	1490	Not Measured			299	296	555	296	381	9
MOUNT SWANNELL	1B06	1620	01	92	256	163	125	382B	125	214*	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	28	34	26	84	126	0	55	32
NAZKO	1C08	1070	Not Available			45	27	137B	6A	69	25
BIG CREEK	1C21	1140	31	24	32	33	30	100B	0	52	29
GRANITE MOUNTAIN	1C33	1150	31	59	131	90	111	217	77	149*	9
LAC LE JEUNE (LOWER)	1C07	1370	30	38	80	62	57	208	25	91	45
BRIDGE GLACIER (LOWER)	1C39	1400	01	156	482	-	452	688	414	506*	6
SHOVELNOSE MOUNTAIN	1C29	1450	31	69	177	126	100	307	84	214	22
BRALORNE	1C14	1450	01	48	122	74	105	338	0	135	31
LAC LE JEUNE (UPPER)	1C25	1460	30	47	103	78	83	177	13	114	29
BRENDA MINE	2F18P	1460	01	-	309	148	206	368	148	265	9
BOSS MOUNTAIN MINE	1C20P	1460	01	-	424	289	450	574	289	432	8
BARKERVILLE	1A03P	1520	01	-	206	150	221	351	150	251	23
MOUNT TIMOTHY	1C17	1660	02	85	209	151	165	384	103	222	35

YANKS PEAK EAST	1C41P	1670	01	-	521	409	585	761	409	590*	5
GREEN MOUNTAIN	1C12P	1780	01	-	820	393	637	948	393	657*	8
MCGILLIVRAY PASS	1C05	1800	01	158	464	265	454	645	150	399	50
MISSION RIDGE	1C18P	1850	01	-	448	232	402	794	232	434	15
DOWNTON LAKE (UPPER)	1C38	1890	01	223	706	378	662	980	378	677*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Measured			182	304	654	182	353*	6
BRALORNE (UPPER)	1C37	1980	01	163	506	346	530	724	346	525*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**MIDDLE and LOWER FRASER***February 1, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	28	34	26	84	126	0	55	32
NAZKO	1C08	1070	Not Available			45	27	137B	6A	69	25
BIG CREEK	1C21	1140	31	24	32	33	30	100B	0	52	29
GRANITE MOUNTAIN	1C33	1150	31	59	131	90	111	217	77	149*	9
LAC LE JEUNE (LOWER)	1C07	1370	30	38	80	62	57	208	25	91	45
BRIDGE GLACIER (LOWER)	1C39	1400	01	156	482	-	452	688	414	506*	6
SHOVELNOSE MOUNTAIN	1C29	1450	31	69	177	126	100	307	84	214	22
BRALORNE	1C14	1450	01	48	122	74	105	338	0	135	31
LAC LE JEUNE (UPPER)	1C25	1460	30	47	103	78	83	177	13	114	29
BRENDA MINE	2F18P	1460	01	-	309	148	206	368	148	265	9

BOSS MOUNTAIN MINE	1C20P	1460	01	-	424	289	450	574	289	432	8
BARKERVILLE	1A03P	1520	01	-	206	150	221	351	150	251	23
MOUNT TIMOTHY	1C17	1660	02	85	209	151	165	384	103	222	35
YANKS PEAK EAST	1C41P	1670	01	-	521	409	585	761	409	590*	5
GREEN MOUNTAIN	1C12P	1780	01	-	820	393	637	948	393	657*	8
MCGILLIVRAY PASS	1C05	1800	01	158	464	265	454	645	150	399	50
MISSION RIDGE	1C18P	1850	01	-	448	232	402	794	232	434	15
DOWNTON LAKE (UPPER)	1C38	1890	01	223	706	378	662	980	378	677*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Measured			182	304	654	182	353*	6
BRALORNE (UPPER)	1C37	1980	01	163	506	346	530	724	346	525*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WOLVERINE CREEK	1D13	300	28	41	104	108	108	270	10A	139	26
SUMMALLO RIVER WEST	3D01C	790	04	73	240	150	236	368	0	177*	10

CALLAGHAN CREEK	3A20	1040	01	164	560	424	626	879	50	569	18
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			570P	-	1597	570P	1104*	3
DICKSON LAKE	1D16	1070	28	347	1076	478	1158	1220	398	819*	9
DOG MOUNTAIN	3A10	1080	04	266	971	377	1044	1187Z	316	738	18
BEAVER PASS	WA12	1120	31	183	594	196	503	922	36	500*	33
KLESILKWA	3D03A	1130	28	98	239	57	223	508	0	223	47
SPUZZUM CREEK	1D19P	1180	01	-	1174	593	1331	1804E	593	1243*	3
STAVE LAKE	1D08	1210	28	298	920	526	1034	1430	163	984	31
WAHLEACH LAKE	1D09	1400	28	157	418	247	482	815	33	366	33
WAHLEACH LAKE	1D09P	1400	01	-	838	472	850	1036	472	736*	9
NAHATLATCH RIVER	1D10	1520	28	270	1009	423	1004	1359	262	934	28
EASY PASS	WA13	1580	Not Available			-	-	2184	279	1160*	30
CHILLIWACK RIVER	1D17P	1600	01	-	1178	656	1136	1668	656	1136	10
GREAT BEAR	1D15P	1660	01	-	1358	608	1249	1391	608	1017	10
TENQUILLE LAKE	1D06	1680	29	272	895	550	908	1206	241	735	30
TENQUILLE LAKE	1D06P	1680	01	-	881	450	-	450	450	450*	1
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKAGIT

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMALLO RIVER WEST	3D01C	790	04	73	240	150	236	368	0	177*	10

FREEZEOUT CREEK TRAIL	WA11	1070	29	76	180	99	206	462	13	227*	32
BEAVER PASS	WA12	1120	31	183	594	196	503	922	36	500*	33
KLESILKWA	3D03A	1130	28	98	239	57	223	508	0	223	47
HARTS PASS	WA09	1980	31	305	1006	404	770	1328	246	777*	47
HARTS PASS	WA09P	1980	01	-	752	371	640	1005P	371	684*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# THOMPSON

*February 1, 2002*

## NORTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	02	90	178	198	245	340	98	246*	18
KNOUFF LAKE	1E05	1200	31	55	134	86	90	229	38	114	42
COOK CREEK	1E14P	1280	01	-	356	308	413	413	308	361*	2
COOK FORKS	1E06	1390	29	203	604	363	631	874	353	584	28
BOSS MOUNTAIN MINE	1C20P	1460	01	-	424	289	450	574	289	432	8
MOUNT COOK	1E02P	1550	01	-	938	600	-	600	600	600*	1
MOUNT COOK	1E02A	1580	29	261	840	551	877	1237	536	824	26
AZURE RIVER	1E08P	1620	01	-	855	506	945	998	506	819*	5
ADAMS RIVER	1E07	1720	26	190	518	334	554	654	285	433	21
KOSTAL LAKE	1E10P	1770	01	-	591	441	624	764	415	604	17

NORTH CLEMINA CREEK	1E13	1860	29	187	659	380	681	796	315	583*	13
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SOUTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	31	86	224	227	210	483	131	259	42
ABERDEEN LAKE	1F01A	1310	28	44	90A	81	97	193	48	119	47
MONASHEE PASS	2E01	1370	04	86	225	141	231	364	122	235	42
ADAMS RIVER	1E07	1720	26	190	518	334	554	654	285	433	21
KIRBYVILLE LAKE	2A25	1750	29	272	917	516	946	1160	381	770	26
SILVER STAR MOUNTAIN	2F10	1840	27	190	648	287	568	721	229	481	43
PARK MOUNTAIN	1F03P	1890	01	-	644	331	651	867	331	567	17
ENDERBY	1F04	1900	01	253	747	350	778	932	348	641	39
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	28	34	26	84	126	0	55	32
NAZKO	1C08	1070	Not Available			45	27	137B	6A	69	25
BIG CREEK	1C21	1140	31	24	32	33	30	100B	0	52	29
GRANITE MOUNTAIN	1C33	1150	31	59	131	90	111	217	77	149*	9
LAC LE JEUNE (LOWER)	1C07	1370	30	38	80	62	57	208	25	91	45
BRIDGE GLACIER (LOWER)	1C39	1400	01	156	482	-	452	688	414	506*	6
SHOVELNOSE MOUNTAIN	1C29	1450	31	69	177	126	100	307	84	214	22
BRALORNE	1C14	1450	01	48	122	74	105	338	0	135	31
LAC LE JEUNE (UPPER)	1C25	1460	30	47	103	78	83	177	13	114	29
BRENDA MINE	2F18P	1460	01	-	309	148	206	368	148	265	9
BOSS MOUNTAIN MINE	1C20P	1460	01	-	424	289	450	574	289	432	8
BARKERVILLE	1A03P	1520	01	-	206	150	221	351	150	251	23
MOUNT TIMOTHY	1C17	1660	02	85	209	151	165	384	103	222	35
YANKS PEAK EAST	1C41P	1670	01	-	521	409	585	761	409	590*	5
GREEN MOUNTAIN	1C12P	1780	01	-	820	393	637	948	393	657*	8
MCGILLIVRAY PASS	1C05	1800	01	158	464	265	454	645	150	399	50

MISSION RIDGE	1C18P	1850	01	-	448	232	402	794	232	434	15
DOWNTON LAKE (UPPER)	1C38	1890	01	223	706	378	662	980	378	677*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Measured			182	304	654	182	353*	6
BRALORNE (UPPER)	1C37	1980	01	163	506	346	530	724	346	525*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COLUMBIA

*February 1, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CANOE RIVER	2A01A	910	29	34	80	45	65	140	39	102	27
DOWNIE SLIDE (LOWER)	2A27	980	29	154	426	290	-	740	256	525	20
GLACIER	2A02	1250	30	143	440	311	533	828	241	493	61
FIELD	2A03A	1280	29	39	72	62	81	233	46	129	62
SUNWAPTA FALLS	AL11	1400	31	48	81	65	130	254	48B	146*	29
VERMONT CREEK	2A19	1520	02	102	269	134	282	574	102	325	32
AZURE RIVER	1E08P	1620	01	-	855	506	945	998	506	819*	5
DOWNIE SLIDE (UPPER)	2A29	1630	29	303	1022	534	1188	1422	466	837	20
KICKING HORSE	2A07	1650	29	79	166	102	235	384	102	256	55
KIRBYVILLE LAKE	2A25	1750	29	272	917	516	946	1160	381	770	26
MOUNT REVELSTOKE	2A06P	1830	01	-	892	-	1041	1140	511	775	8

NORTH CLEMINA CREEK	1E13	1860	29	187	659	380	681	796	315	583*	13
FIDELITY MOUNTAIN	2A17	1870	27	262	856	430	1105	1376	430	842	39
KEYSTONE CREEK	2A18	1890	29	189	608	292	666	866	290	553	32
BEAVERFOOT	2A11	1890	02	55	130	78	140	249	78	156	34
NIGEL CREEK	AL10	1920	31	114	287	128	340	528	94B	299*	29
BUSH RIVER	2A23	1920	02	194	678	325	716	902	292	584	34
GOLDSTREAM	2A16	1920	29	261	882	504	966	1136	460	756	33
MOLSON CREEK	2A21P	1980	01	-	877	435	803	1155	417	739	20
MOUNT ABBOT	2A14	1980	28	282	946	396	1070	1209	396	836	43
SUNBEAM LAKE	2A22	2010	02	205	691	348	748	886	348	641	34
MIRROR LAKE	AL06	2030	29	94	234	79	183	348	79	214*	34
BOW SUMMIT II	AL07A	2080	29	125	310	130	168	480	86B	267*	21
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERGUSON	2D02	880	01	119	342	237	377	616	237	385	30
BAIRD	WA02	980	01	79	180	130	203	295	20	151*	42
FARRON	2B02A	1220	30	72	209	134	238	346	63	236	28

MONASHEE PASS	2E01	1370	04	86	225	141	231	364	122	235	42
WHATSHAN (UPPER)	2B05	1480	Not Measured			266	-	759	249	447	30
BARNES CREEK	2B06	1620	04	128	351	224	336	612	196	341	34
BARNES CREEK	2B06P	1620	01	-	360	195	375	566	195	400*	9
ST. LEON CREEK	2B08	1800	Not Measured			474	886	1247	474	834	32
ST. LEON CREEK	2B08P	1800	01	-	799	311	818	1092	311	739	7
KOCH CREEK	2B07	1860	Not Measured			287	458	708	203	476	32
RECORD MOUNTAIN	2B09	1890	27	170	577	216	551	802	117	496	27
EAST CREEK	2D08P	2030	01	-	596	274	628	1012	274	644	21

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# KOOTENAY

*February 1, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	29	95	252	90	234	467	51	252	48
MARBLE CANYON	2C05	1520	31	96	237	107	237	505	107	258	53
SULLIVAN MINE	2C04	1550	27	68	142	102	135	397	46	228	56
WEASEL DIVIDE	MT02	1660	30	198	610	234	523	858	185	540*	18
BANFIELD MOUNTAIN	MT05P	1710	01	-	356	180	312	475	180	352*	4
MOUNT JOFFRE	2C16	1750	30	110	266	96	185	439	96	265	28
MORRISSEY RIDGE	2C09Q	1800	01	-	470	172	361	886	172	500	18
MOYIE MOUNTAIN	2C10P	1930	01	-	330	179	250E	499	104	267*	21
HAWKINS LAKE	MT06P	1970	01	-	495	201	345	612	201	372*	4
ALLISON PASS	AL01	1980	29	109	267	133	216	521	133	339*	12

THUNDER CREEK	2C17	2010	30	64	141	80	120	335	69	192	28
FLOE LAKE	2C14	2090	30	178	769	239	599	811	239	531	30
FLOE LAKE	2C14P	2090	01	-	555	221	581	731	221	465	7
HIGHWOOD SUMMIT (BUSH)	AL02	2210	29	123	284	89	292	480	89	268*	22
MOUNT ASSINIBOINE	2C15	2230	30	143	409	140	408	592	140	362	30
SUNSHINE VILLAGE	AL05	2230	28	172	445	150	445	678	150	410*	16

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## WEST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DUNCAN LAKE NO. 2	2D07A	650	30	27	74	94	110	283	60	142*	11
FERGUSON	2D02	880	01	119	342	237	377	616	237	385	30
NELSON	2D04	930	28	98	271	147	316	508	79	276	63
CHAR CREEK	2D06	1310	01	140	387	177	372	650	117	382	36
BUNCHGRASS MEADOW	WA01P	1520	01	-	602	259	498	719	259	494*	4
GRAY CREEK (LOWER)	2D05	1550	Not Measured			217	-	511	127	305	52
KOCH CREEK	2B07	1860	Not Measured			287	458	708	203	476	32

MOUNT TEMPLEMAN	2D09	1860	30	215	724	409	772	1115	409	738	32
GRAY CREEK (UPPER)	2D10	1910	Not Measured			301	-	792	268	518	32
EAST CREEK	2D08P	2030	01	-	596	274	628	1012	274	644	21
REDFISH CREEK	2D14P	2104	01	-	1024	-	-	-	-	-	0

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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\* - PERIOD OF RECORD AVERAGE

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**KETTLE, OKANAGAN and SIMILKAMEEN***February 1, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	30	72	209	134	238	346	63	236	28
GOAT CREEK	WA04	1220	01	46	99	94	112	224	20	133*	40
MONASHEE PASS	2E01	1370	04	86	225	141	231	364	122	235	42
SUMMIT G.S.	WA05	1400	30	56	122	130	157	244	41	146*	40
BIG WHITE MOUNTAIN	2E03	1680	01	132	380	178	300	483	178	317	36
GRANO CREEK	2E07P	1860	01	-	424	180	323	465	180	318*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**OKANAGAN**

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
MC CULLOCH	2F03	1280	31	61	120	75	96	196	57	120	65
SUMMERLAND RESERVOIR	2F02	1280	29	66	147	91	116	307	66	175	37
ABERDEEN LAKE	1F01A	1310	28	44	90A	81	97	193	48	119	47
POSTILL LAKE	2F07	1370	29	63	145	110	110	243	73	140	51
TROUT CREEK	2F01	1430	31	62	139	96	112	292	33A	136	64
BRENDA MINE	2F18P	1460	01	-	309	148	206	368	148	265	9
ISLAHT LAKE	2F24	1480	28	93	277	124	202	364	124	229	18
GREYBACK RESERVOIR	2F08	1550	30	73	196	111	135	269	60	155	31
ISINTOK LAKE	2F11	1680	29	49	110A	107	87	307	26	133	36
MISSION CREEK	2F05P	1780	01	-	450	169	341	495	152	299	30
MOUNT KOBAU	2F12	1810	28	75	219	151	158	373	43	215	35
WHITEROCKS MOUNTAIN	2F09	1830	01	160	544	-	326	693	135	392	30
SILVER STAR MOUNTAIN	2F10	1840	27	190	648	287	568	721	229	481	43
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SIMILKAMEEN

## Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
FREEZEOUT CREEK TRAIL	WA11	1070	29	76	180	99	206	462	13	227*	32
HAMILTON HILL	2G06	1490	01	80	193	167	194	411	104	256	38
MISSEZULA MOUNTAIN	2G05	1550	27	62	137	110	98	284	61	166	35
ISINTOK LAKE	2F11	1680	29	49	110A	107	87	307	26	133	36
LOST HORSE MOUNTAIN	2G04	1920	04	62	146	94Z	132	335	70	160	41
BLACKWALL PEAK	2G03P	1940	01	-	664	244	533	1076	159	597	34
HARTS PASS	WA09	1980	31	305	1006	404	770	1328	246	777*	47
HARTS PASS	WA09P	1980	01	-	752	371	640	1005P	371	684*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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# COASTAL

*February 1, 2002*

## SOUTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09P	880	Not Available		-	-	790	700	745*	2	
CHAPMAN CREEK	3A26	1022	04	278	980	-	-	1250	546	878*	5
CALLAGHAN CREEK	3A20	1040	01	164	560	424	626	879	50	569	18
DOG MOUNTAIN	3A10	1080	04	266	971	377	1044	1187Z	316	738	18
GROUSE MOUNTAIN	3A01	1100	05	290	1164	472	1258	1530Z	50	788	52
ORCHID LAKE	3A19	1190	04	335	1210	656	1326	1624	408	1185	23
ORCHID LAKE	3A19P	1190	Not Available		784	-	1859	491	1234*	15	
UPPER SQUAMISH RIVER	3A25P	1340	01	-	1073	713	1309	1510	713	1042	10
NOSTETUKO RIVER	3A22P	1500	01	-	409	-	472	628	203	431*	12

UPPER MOSELY CREEK	3A24P	1650	01	-	206	168	216	509	107	229	13
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## VANCOUVER ISLAND

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ELK RIVER	3B04	270	29	15	35	0	84	544	0	125	42
WOLF RIVER (LOWER)	3B19	640	29	81	254	140	246	528	0	263	29
TENNENT LAKE	3B22	950	Not Available			638	656C	880	202B	623	12
WOLF RIVER (MIDDLE)	3B18	1070	29	117	370	218	422	742	16	408	30
FORBIDDEN PLATEAU	3B01	1130	29	213	802	694	941	1640	42	961	46
JUMP CREEK	3B23P	1160	01	-	829	424	983	1251	206	754*	6
WOLF RIVER (UPPER)	3B17P	1490	01	-	832	555	969	1371	501	862	12

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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## NORTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02	1300	31	306	1123	738	887	1209	508A	779	47
TAHTSA LAKE	1B02P	1300	01	-	1177	829	969	1079	652	898*	8
BURNT BRIDGE CREEK	3C08P	1330	01	-	746	349	559	713	349	568*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**NORTH EAST***February 1, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	27	40	60	29	50	154	29	84	28
MACKENZIE A	4A19	700	31	62	122	72	166	305	58	175	29
PACIFIC LAKE	1A11	770	28	152	370	216	455	679	216	425	34
BULLHEAD MOUNTAIN	4A28	790	30	39	76	0T	42	149	0T	62*	18
PHILIP LAKE	4A13	980	29	87	208	118	201	353	118	199	35
WARE (LOWER)	4A04	980	30	77	194	114	142	286	63	127	33
AIKEN LAKE	4A30P	1040	01	-	243	161	195	330	142	198*	15
TUTIZZI LAKE	4A06	1070	29	89	244	141	208	348	109	181	33
TSAYDAYCHI LAKE	4A12	1160	29	121	325	225	237	507	146	270	34
PINK MOUNTAIN	4A14	1170	29	15	40A	10A	16	138	10A	64	26
KAZA LAKE	1A12	1190	29	100	279	213	225	440	125	229	32
PULPIT LAKE	4A09	1310	30	116	358	281	277	530	190	293	30

FREDRICKSON LAKE	4A10	1310	29	82	203	147	145	309	110	173	33
PULPIT LAKE	4A09P	1310	01	-	351	314	244	405	232	321	11
PINE PASS	4A02P	1400	01	-	884	652	661	1241	652	823	10
SIKANNI LAKE	4C01	1400	30	90	249	151	150	325	81	178	32
TRYGVE LAKE	4A11	1400	30	106	322	215	252	434	183	255	32
PINE PASS	4A02	1430	31	294	1051	785	769	1194	411	771	30
MORFEE MOUNTAIN	4A16	1450	28	198	633	434	457	952	323	579	33
LADY LAURIER LAKE	4A07	1460	31	146	521	283	378	635	226	343	30
MOUNT SHEBA	4A18	1490	28	208	613	326	524	918	317	543	32
MOUNT STEARNS	4A21	1500	30	56	145	48	44	196	41	107	27
GERMANSEN (UPPER)	4A05	1500	29	100	288	200	205	371	140	241	33
JOHANSON LAKE	4B02	1540	29	88	242	182	179	355	115	202	31
MONKMAN CREEK	4A20	1550	28	133	405	-	296	775	238	418	24
BULLMOOSE CREEK	4A31	1570	N-A	234	267	539B	217	345*	14		
WARE (UPPER)	4A03	1570	30	89	253	138	161	289	108	178	31
KWADACHA RIVER	4A27P	1620	01	-	263	176	242	371	139	230	16

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**LIARD**

**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FORT NELSON A	4C05	380	31	57	102	35	63	128	35	86	36
DEASE LAKE	4C03	820	26	49	61	56	68	202	36	104	37
JADE CITY	4C15	940	26	70	162	-	-	-	-	-	0
DEADWOOD RIVER	4C09P	1300	01	-	98	-	94	207	61	110*	7
SIKANNI LAKE	4C01	1400	30	90	249	151	150	325	81	178	32
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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# NORTH WEST

*February 1, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
NINGUNSAW PASS	4B10	690	29	122	294	253Z	323	603	171	308	27
DEASE LAKE	4C03	820	26	49	61	56	68	202	36	104	37
ISKUT	4D02	1000	31	43	78	43Z	30	162	30	88	28
KINASKAN LAKE	4D11P	1020	01	-	274	226	265	516	155	273*	11
TUMEKA CREEK	4D10P	1220	01	-	398	375	421	744	274	449	12
WADE LAKE	4D14P	1370	01	-	229	221	282	410	125	295	10

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## YUKON

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKEENA/NASS

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TERRACE A	4B13A	180	01	41	103	103	166	274	0	150	22
BEAR PASS	4B11A	460	Not Available			192	418	821	192	627	18
NINGUNSAW PASS	4B10	690	29	122	294	253Z	323	603	171	308	27
GRANDUC MINE	4B12P	790	Not Measured			-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	01	-	510	398	-	398	398	398*	1
TACHEK CREEK	4B06	1140	31	76	190	113	-	194	113	153	7
KAZA LAKE	1A12	1190	29	100	279	213	225	440	125	229	32
LU LAKE	4B15P	1310	01	-	281	-	105	206	105	160*	3
TSAI CREEK	4B17P	1360	01	-	1151	671	679	791	671	729*	4
KIDPRICE LAKE	4B01	1370	31	247	953	595	537	894B	440	607	44

TRYGVE LAKE	4A11	1400	30	106	322	215	252	434	183	255	32
SHEDIN CREEK	4B16P	1480	01	-	720	630	589	693	559	615*	6
HUDSON BAY MTN.	4B03A	1480	01	136	479	261	274	665	221	361	30
JOHANSON LAKE	4B02	1540	29	88	242	182	179	355	115	202	31

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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## Snowpack and Water Supply Outlook for British Columbia

March 1, 2002

[Province-Wide Synopsis](#)

Basin Commentaries

[-Upper Fraser](#)

[-Mid and Lower Fraser](#)

[-Thompson](#)

[-Columbia](#)

[-Kootenay](#)

[-Okanagan, Kettle, and Similkameen](#)

[-Coastal](#)

[-NorthEast](#)

[-NorthWest](#)

[2002 ASP Graphs](#)

[Groundwater graphs](#)

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

Province-wide Synopsis

graphs

[B.C Summary Graphs of Snow Water Equivalents](#)

Manual snow surveys have been conducted at 174 snow courses in BC and 24 in surrounding jurisdictions. These, together with data from 58 snow pillows, and meteorological and streamflow data from Environment Canada, have been used in making the following analyses.

### Snowpack

The mountain snowpacks in most parts of the province are close to, or slightly above, normal for this date - much different from this time last year when there was the threat of drought conditions. Two areas with notably high snowpacks are the Nechako River basin and the adjacent southern portions of the Bulkley River. The South Coast and Vancouver Island, on the other hand, report snowpacks a little below normal. While there are exceptions, in most basins, the snow courses at lower elevations are a little below normal while those at higher elevations tend to be above normal.

### Weather

Reports from selected valley-bottom weather stations around the province indicate that, in most areas, precipitation during February was below normal and temperatures a little above normal.

### Outlook

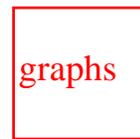
Approximately 80% of the peak snowpack for the year has normally fallen by the

beginning of March. Thus, unless there are most unusual weather conditions in the spring, it appears that runoff this year should be close to normal. Some volume forecasts will be published with next month's report.

Peak flows depend to a large extent on the weather conditions and the rate of melt in May and June. While high flows are possible from normal snowpacks, there is no indication that this is likely to occur this year. During the freshet, weather forecasts and streams will be monitored and any necessary warning or bulletins posted to these pages.

Snow Survey Bulletins for 1997 through last month's Bulletin are available through the [archives](#).

Upper Fraser & Nechako  
Basins



[Data Graphs](#)



[Snow Survey Data  
Measurements](#)

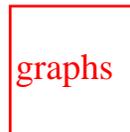
## March 1, 2002

Precipitation during February at Prince George was below normal with the accumulated precipitation total since November now being about two-thirds of normal. Mean monthly temperatures were again almost 2 degrees above normal.

Snow accumulations in the upper Fraser during February were normal with the result that the regional snowpack index remains almost exactly normal for this date. In contrast, the Nechako River basin remains well above normal for this date with two snow courses, each having 50 years of record reporting all time high readings for this date. The Nechako regional index is now 144% of normal, the highest recorded since the index started in 1978. The Nechako Reservoir is currently below its normal level and this should help reduce any potential high flows into the Fraser system.

The natural flow as indicated by the Fraser River at Marguerite averaged only about two-thirds of its normal amount during February.

## Middle and Lower Fraser



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

March 1, 2002

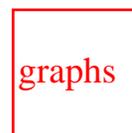
Valley bottom weather in the middle Fraser as indicated by the readings from Quesnel Airport averaged a little warmer than normal with above normal precipitation. In the lower Fraser basin, as measured at Abbotsford, temperatures and precipitation were very close to normal for February.

The overall snowpack in the Middle Fraser basin remains close to normal with the regional snowpack index just 4% greater than normal. Most areas are a little below normal, the exception being the Bridge Reservoir catchment area which is above normal. In the lower Fraser basin, the snowpack is about 10% greater than normal which should ensure an adequate water supply this year.

The flow in the Fraser River at Hope averaged only about half its normal amount during the month.



## Thompson Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

March 1, 2002

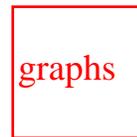
Mean monthly temperatures were a little above normal during February while precipitation measured at valley-bottom stations was slightly below normal.

The snowpack in the Thompson River basin remains very similar to that reported a

month ago with the regional indices 9% and 19% above normal for the North and South basins, respectively. This is greatly different from this time last year when the snowpacks were over 30% below normal and should ensure that there is an adequate water supply for users this spring and summer.

The flow in the Thompson River at Spences Bridge was below normal during February.

## Columbia Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

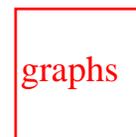
## March 1, 2002

Mean monthly temperatures as measured at Revelstoke during February were again above normal and precipitation was also a little above normal

The snow water equivalent at individual snow courses in the Columbia basin vary from 58% to 124% of normal. Overall, however, the snowpack accumulation during February was close to normal with the regional snowpack index estimated at 108% of normal for the third consecutive month.

The natural regional runoff as indicated by the Columbia River at Donald was below normal again during February. This is probably due to the very dry conditions of last year combined with very little snowmelt so far this year.

## Kootenay Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

## March 1, 2002

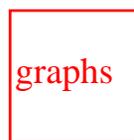
The mean monthly temperature at Cranbrook was close to normal during February, but the precipitation was almost twice normal, bringing the accumulated total since November 1st very close to normal.

Despite the above normal valley-bottom precipitation, the snow accumulation during the month was only slightly greater than normal with the regional snow water equivalent index rising slightly to 102% of normal. This is a marked improvement from the situation at this time last year and should ensure adequate water supplies this spring and summer.

Natural regional runoff as indicated by the Kootenay River at Fort Steele was again below normal during February. This is probably the result of the dry conditions last year and the lack of much snowmelt so far this year.



Okanagan, Kettle, and  
Similkameen Basins



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

### March 1, 2002

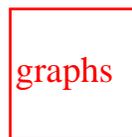
In the Okanagan temperatures were a little above normal and the precipitation was below normal. By contrast, in the Similkameen, while temperatures averaged close to normal, precipitation as collected at Princeton was over twice the normal amount in February, bringing the accumulated total since the beginning of November to normal.

The snow water equivalent index in the Okanagan-Kettle basins has dropped from 122% of normal a month ago to 112% on March 1. In common with many other areas, snow courses below elevation 1500m are mostly a little below normal while those above this elevation tend to be above normal. In the Similkameen, reflecting the above normal valley bottom precipitation, the regional snowpack index has increased from 93% of normal last month to 99% now.

Inflow to Okanagan Lake during February was about 75% of normal. It is anticipated that Okanagan Lake will fill to its normal level this freshet and it appears most unlikely that there will be a need to store water on Osoyoos Lake during the summer, as happened last year. It is always prudent to practise water conservation measures, but it appears that there should be adequate supplies for all users this

summer.

## Coastal Region & Vancouver Island



graphs

[Data](#)

[Graphs](#)



[Snow Survey Data](#)

[Measurements](#)

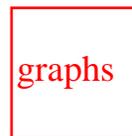
### March 1, 2002

Temperatures and precipitation in the area during February were close to normal, with accumulated precipitation totals since the beginning of November remaining close to normal for this date.

On the south coast snow accumulations during February were a little below normal with the result that the regional snowpack index has dropped from 12% above normal at the beginning of the month to 3% below normal at the end. On Vancouver Island the index remained steady at 8% below normal. There should be adequate water supply for all users this summer. Farther north, very sparse data indicates a coastal snowpack well above normal for this date.

Regional runoff as indicated by the inflow to Upper Campbell Lake on Vancouver Island was considerably below normal for February.

## North East Region



graphs

[Data](#)

[Graphs](#)



[Snow Survey Data](#)

[Measurements](#)

### March 1, 2002

Precipitation in the Liard basin as measured at Fort Nelson was well below normal in February. However, the accumulated precipitation since the beginning of November is about 17% above normal.

In the Peace River basin, February accumulations were close to normal, so the

snowpack remains above normal with the regional snow index estimated to be 118% of normal. This should result in a runoff to the Peace Reservoir this summer that is greater than normal. Farther north in the Liard River basin the snowpack is estimated to be about 6% greater than normal for this date.

Natural runoff as indicated by the inflow to Williston Lake was within 5% of normal for February.

NorthWest Region

graphs

[Data](#)

[Graphs](#)



[Snow Survey Data](#)

[Measurements](#)

### March 1, 2002

The valley-bottom precipitation as measured at Smithers was only 55% of normal, with mean temperatures close to normal. The cumulative precipitation at this location since November 1st is only 83% of normal.

The snowpack in the Skeena-Nass basins continues to be well above normal, particularly above elevation 1200m, with the regional snow water equivalent index now estimated to be 126% of normal. The area where the snowpack shows the greatest departures is in the south, with the Bulkley River catchment particularly high. For example, the Kidprice Lake snowcourse (4B01) which has 50 years of data reports a new high reading for this date. Farther north in the Stikine, Nass and Yukon River basins the snowpack is generally a little above normal but well below previously recorded maximum readings.

Natural runoff, as indicated by flows in the Skeena River at Usk was only two-thirds of normal for the month.



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**UPPER and MIDDLE FRASER***March 1, 2002***UPPER FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
HANSARD	1A06A	610	01	63	136	101	94	396	44	206	29
PRINCE GEORGE A	1A10	690	01	48	107	73	92	296	33	142	40
PACIFIC LAKE	1A11	770	25	173	540	294	480	832	277	544	39
BURNS LAKE	1A16	800	01	53	112	80	96	240	60	136	30
CANOE RIVER	2A01A	910	26	42	100	55	75	251	32	133	61
PHILIP LAKE	4A13	980	26	98	260	138	225	382	138	249	38
HEDRICK LAKE	1A14	1100	25	177	554	327	534	954	327	588	34
HEDRICK LAKE	1A14P	1100	01	-	761	386	668	668	386	527*	2
BIRD CREEK	1A23	1180	28	63	150	88	96	232	88	133*	12
KAZA LAKE	1A12	1190	26	117	328	270	279	478	186	282	36
LU LAKE	4B15	1300	26	106	300	174	140	406	140	274	23
FORFAR CREEK (UPPER)	1A24	1410	26	152	638	388	328	648	328	476*	8
EQUITY MINE	4B14	1420	26	128	410	272	204	514	204	302	24
MOUNT SHEBA	4A18	1490	25	245	848	410	599	1037	394	697	31

BARKERVILLE	1A03P	1520	01	-	270	158	240	479	158	324	23
KNUDSEN LAKE	1A15	1580	25	216	737	404	580	1098	404	772	31
MC BRIDE (UPPER)	1A02	1580	25	124	320	169	278	594	169	389	48
NARROW LAKE	1A21	1650	Not Measured			515	657	1300	419	739	27
REVOLUTION CREEK	1A17P	1690	01	-	754	336	612	1119	336	759	16
LONGWORTH (UPPER)	1A05	1740	25	229	760	436	530	1104	307	637	44
DOME MOUNTAIN	1A19	1820	25	199	615	378	519	981	351	680	28
MARMOT JASPER	AL12	1830	25	93	201	91	155	314	91	200*	18
YELLOWHEAD	1A01	1860	25	144	417	189	418	660	185	438	31
YELLOWHEAD	1A01P	1860	01	-	514	266	495	720	266	458*	5
HOLMES RIVER	1A18	1900	25	188	624	327	606	910	321	642	28

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## NECHAKO

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SKINS LAKE	1B05	880	01	34	109	70	81	226	54	119	38
TAHTSA LAKE	1B02	1300	28	366	1476	828	998	1405	571	980	50
TAHTSA LAKE	1B02P	1300	01	-	1442	896	1052	1512	661	1078*	8

KIDPRICE LAKE	4B01	1370	28	284	1137	655	627	1101	429	773	50
MOUNT PONDOSY	1B08P	1400	01	-	994	558	607	899	405	700*	9
NUTLI LAKE	1B07	1490	28	187	649	324	342	651	304	472*	11
MOUNT WELLS	1B01	1490	28	156	562	288	300	886	277	455	49
MOUNT WELLS	1B01P	1490	01	-	579	351	329	607	329	493	9
MOUNT SWANNELL	1B06	1620	28	111	315	173	148	446	148	259*	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## MIDDLE FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	28	27	48	36	60	128	0	62	31
BROOKMERE	1C01	980	28	62	150	135	129	351	53	200	57
NAZKO	1C08	1070	28	27	60	50	29	155	0	83	25
BIG CREEK	1C21	1140	24	20	42	48	34	112	0	54	30
GRANITE MOUNTAIN	1C33	1150	28	65	167	100	129	254	94	169*	9
DUFFY LAKE	1C28	1200	27	156	480	242	446	762	194	442	23
PAVILION	1C06	1230	01	33	70	50	40	168	0	82	45
LAC LE JEUNE (LOWER)	1C07	1370	26	41	77	60	66	244	20	112	43

BRIDGE GLACIER (LOWER)	1C39	1400	26	172	542	304	520	954	304	579*	7
DEADMAN RIVER	1C32	1430	26	56	107	85A	80	170	62	112	18
SHOVELNOSE MOUNTAIN	1C29	1450	28	84	235	155	179	398	104	258	21
BRALORNE	1C14	1450	26	71	170	97	115	363	0	166	38
LAC LE JEUNE (UPPER)	1C25	1460	26	54	117	78	92	213	13A	141	29
BOSS MOUNTAIN MINE	1C20P	1460	01	-	533	315	476	735	315	503	8
BRENDA MINE	2F18	1460	26	95	276	150	210	495	130	292	33
BRENDA MINE	2F18P	1460	01	-	389	184	264	431	184	329	9
HIGHLAND VALLEY	1C09A	1510	28	43	90	46	40	229	25A	95	36
BARKERVILLE	1A03P	1520	01	-	270	158	240	479	158	324	23
HORSEFLY MOUNTAIN	1C13A	1550	Not Measured			302	336	624	238	379	30
GNAWED MOUNTAIN	1C19	1580	28	53	106	58	52	259	15	123	34
MOUNT TIMOTHY	1C17	1660	28	102	262	173	185	468	141	285	39
YANKS PEAK EAST	1C41P	1670	01	-	660	443	608	900	443	676*	5
PENFOLD CREEK	1C23	1680	26	258	928	453	717	1132	453	816	27
GREEN MOUNTAIN	1C12P	1780	01	-	930	445	698	1259	445	799*	8
MCGILLIVRAY PASS	1C05	1800	26	178	582	302	463	1016	222	512	50
MISSION RIDGE	1C18P	1850	01	-	561	287	448	866	269	529	15
DOWNTON LAKE (UPPER)	1C38	1890	26	240	878	458	698	1250	458	820*	7

TYAUGHTON CREEK (NORTH)	1C40	1950	26	143	480	282	318	916	282	444*	7
BRALORNE (UPPER)	1C37	1980	26	186	674	370	620	944	370	625*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**MIDDLE and LOWER FRASER***March 1, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNZI MOUNTAIN	1C22	940	28	27	48	36	60	128	0	62	31
BROOKMERE	1C01	980	28	62	150	135	129	351	53	200	57
NAZKO	1C08	1070	28	27	60	50	29	155	0	83	25
BIG CREEK	1C21	1140	24	20	42	48	34	112	0	54	30
GRANITE MOUNTAIN	1C33	1150	28	65	167	100	129	254	94	169*	9
DUFFY LAKE	1C28	1200	27	156	480	242	446	762	194	442	23
PAVILION	1C06	1230	01	33	70	50	40	168	0	82	45
LAC LE JEUNE (LOWER)	1C07	1370	26	41	77	60	66	244	20	112	43
BRIDGE GLACIER (LOWER)	1C39	1400	26	172	542	304	520	954	304	579*	7
DEADMAN RIVER	1C32	1430	26	56	107	85A	80	170	62	112	18
SHOVELNOSE MOUNTAIN	1C29	1450	28	84	235	155	179	398	104	258	21
BRALORNE	1C14	1450	26	71	170	97	115	363	0	166	38

LAC LE JEUNE (UPPER)	1C25	1460	26	54	117	78	92	213	13A	141	29
BOSS MOUNTAIN MINE	1C20P	1460	01	-	533	315	476	735	315	503	8
BRENDA MINE	2F18	1460	26	95	276	150	210	495	130	292	33
BRENDA MINE	2F18P	1460	01	-	389	184	264	431	184	329	9
HIGHLAND VALLEY	1C09A	1510	28	43	90	46	40	229	25A	95	36
BARKERVILLE	1A03P	1520	01	-	270	158	240	479	158	324	23
HORSEFLY MOUNTAIN	1C13A	1550	Not Measured			302	336	624	238	379	30
GNAWED MOUNTAIN	1C19	1580	28	53	106	58	52	259	15	123	34
MOUNT TIMOTHY	1C17	1660	28	102	262	173	185	468	141	285	39
YANKS PEAK EAST	1C41P	1670	01	-	660	443	608	900	443	676*	5
PENFOLD CREEK	1C23	1680	26	258	928	453	717	1132	453	816	27
GREEN MOUNTAIN	1C12P	1780	01	-	930	445	698	1259	445	799*	8
MCGILLIVRAY PASS	1C05	1800	26	178	582	302	463	1016	222	512	50
MISSION RIDGE	1C18P	1850	01	-	561	287	448	866	269	529	15
DOWNTON LAKE (UPPER)	1C38	1890	26	240	878	458	698	1250	458	820*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	26	143	480	282	318	916	282	444*	7
BRALORNE (UPPER)	1C37	1980	26	186	674	370	620	944	370	625*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**LOWER FRASER**

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WOLVERINE CREEK	1D13	300	02	53	176	100	60	232	0	139	26
SUMMALLO RIVER WEST	3D01C	790	28	85	260	188	266	442	79	220*	10
BROOKMERE	1C01	980	28	62	150	135	129	351	53	200	57
CALLAGHAN CREEK	3A20	1040	27	211	722	472	772	1260	200	853	24
DISAPPOINTMENT LAKE	1D18P	1040	25	-	1476P	904P	-	1746	904P	1311*	3
DICKSON LAKE	1D16	1070	25	372	1410	796	1344	1358	542	1039*	9
DOG MOUNTAIN	3A10	1080	26	275	1149	518	1158	2146Z	345	1011	18
BEAVER PASS	WA12	1120	26	201	764	307	655	1298	30	654*	53
KLESILKWA	3D03A	1130	25	128	415	118	287	759	0	283	51
SPUZZUM CREEK	1D19P	1180	01	-	1620	746	1493	1493	746	1120*	2
DUFFEY LAKE	1C28	1200	27	156	480	242	446	762	194	442	23
STAVE LAKE	1D08	1210	25	331	1309	721	-	2500A	353	1335	34
WAHLEACH LAKE	1D09	1400	25	173	640	356	568	1072	86	521	35
WAHLEACH LAKE	1D09P	1400	01	-	1094	634	1049	1213	634	817*	9
NAHATLATCH RIVER	1D10	1520	25	352	1340A	565	1174	2380A	450	1193	33
EASY PASS	WA13	1580	Not Available			665	-	2913	478	1652*	36
CHILLIWACK RIVER	1D17P	1600	01	-	1474	795	1268	1567	795	1338	8
GREAT BEAR	1D15P	1660	01	-	1658	750	1421	1752	708	1254	10
TENQUILLE LAKE	1D06	1680	27	304	1096	608	958	1568	410	973	48
TENQUILLE LAKE	1D06P	1680	01	-	1058	518	-	518	518	518*	1

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**SKAGIT****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMALLO RIVER WEST	3D01C	790	28	85	260	188	266	442	79	220*	10
FREEZEOUT CREEK TRAIL	WA11	1070	27	94	274	137	272	615	15	274*	53
BEAVER PASS	WA12	1120	26	201	764	307	655	1298	30	654*	53
KLESILKWA	3D03A	1130	25	128	415	118	287	759	0	283	51
LIGHTNING LAKE	3D02	1220	01	89	250	150	246	497	51	258	28
HARTS PASS	WA09	1980	28	350	1260	498	947	1636	312	943*	51
HARTS PASS	WA09P	1980	01	-	988	444	795	1320A	444	868*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

Banner

# THOMPSON

*March 1, 2002*

## NORTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	02	95	266	226	284	411	210	291	19
KNOUFF LAKE	1E05	1200	28	63	151	94	92	284	36	134	43
COOK CREEK	1E14P	1280	01	-	499	338	471	471	338	405*	2
COOK FORKS	1E06	1390	01	249	888	462	723	1288	453	782	39
BOSS MOUNTAIN MINE	1C20P	1460	01	-	533	315	476	735	315	503	8
MOUNT COOK	1E02P	1550	01	-	1166	680	-	680	680	680*	1
MOUNT COOK	1E02A	1580	02	307	1072	642	947	1550A	573	1024	28
AZURE RIVER	1E08P	1620	01	-	1024	548	979	1335	548	957*	5
ADAMS RIVER	1E07	1720	24	199	656	402	602	892	262	564	31
KOSTAL LAKE	1E10P	1770	01	-	727	485	695	1019	485	721	17

NORTH CLEMINA CREEK	1E13	1860	25	219	776	451	745	899	355	690*	13
TROPHY MOUNTAIN	1E03A	1860	24	159	490	283	454	778	281	447	27
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SOUTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	01	102	290	276	298	635	200	332	45
ABERDEEN LAKE	1F01A	1310	26	51	123	101	128	231	51	144	48
MONASHEE PASS	2E01	1370	01	98	271	169	300	442	149	301	42
BOULEAU LAKE	2F21	1400	23	98	266	172	252	432A	165	296	31
ADAMS RIVER	1E07	1720	24	199	656	402	602	892	262	564	31
KIRBYVILLE LAKE	2A25	1750	01	314	1160	613	1114	1476	526	935	28
SILVER STAR MOUNTAIN	2F10	1840	24	212	729	347	687	912	347	607	43
PARK MOUNTAIN	1F03P	1890	01	-	786	383	774	1021	383	707	17
ENDERBY	1F04	1900	28	283	990	440	901	1200	440	831	38
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	28	27	48	36	60	128	0	62	31
BROOKMERE	1C01	980	28	62	150	135	129	351	53	200	57
NAZKO	1C08	1070	28	27	60	50	29	155	0	83	25
BIG CREEK	1C21	1140	24	20	42	48	34	112	0	54	30
GRANITE MOUNTAIN	1C33	1150	28	65	167	100	129	254	94	169*	9
DUFFY LAKE	1C28	1200	27	156	480	242	446	762	194	442	23
PAVILION	1C06	1230	01	33	70	50	40	168	0	82	45
LAC LE JEUNE (LOWER)	1C07	1370	26	41	77	60	66	244	20	112	43
BRIDGE GLACIER (LOWER)	1C39	1400	26	172	542	304	520	954	304	579*	7
DEADMAN RIVER	1C32	1430	26	56	107	85A	80	170	62	112	18
SHOVELNOSE MOUNTAIN	1C29	1450	28	84	235	155	179	398	104	258	21
BRALORNE	1C14	1450	26	71	170	97	115	363	0	166	38
LAC LE JEUNE (UPPER)	1C25	1460	26	54	117	78	92	213	13A	141	29
BOSS MOUNTAIN MINE	1C20P	1460	01	-	533	315	476	735	315	503	8

BRENDA MINE	2F18	1460	26	95	276	150	210	495	130	292	33
BRENDA MINE	2F18P	1460	01	-	389	184	264	431	184	329	9
HIGHLAND VALLEY	1C09A	1510	28	43	90	46	40	229	25A	95	36
BARKERVILLE	1A03P	1520	01	-	270	158	240	479	158	324	23
HORSEFLY MOUNTAIN	1C13A	1550	Not Measured			302	336	624	238	379	30
GNAWED MOUNTAIN	1C19	1580	28	53	106	58	52	259	15	123	34
MOUNT TIMOTHY	1C17	1660	28	102	262	173	185	468	141	285	39
YANKS PEAK EAST	1C41P	1670	01	-	660	443	608	900	443	676*	5
PENFOLD CREEK	1C23	1680	26	258	928	453	717	1132	453	816	27
GREEN MOUNTAIN	1C12P	1780	01	-	930	445	698	1259	445	799*	8
MCGILLIVRAY PASS	1C05	1800	26	178	582	302	463	1016	222	512	50
MISSION RIDGE	1C18P	1850	01	-	561	287	448	866	269	529	15
DOWNTON LAKE (UPPER)	1C38	1890	26	240	878	458	698	1250	458	820*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	26	143	480	282	318	916	282	444*	7
BRALORNE (UPPER)	1C37	1980	26	186	674	370	620	944	370	625*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COLUMBIA

*March 1, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CANOE RIVER	2A01A	910	26	42	100	55	75	251	32	133	61
DOWNIE SLIDE (LOWER)	2A27	980	01	176	578	-	-	1018	378	665	22
GLACIER	2A02	1250	24	193	568	378	608	952	251	633	62
FIELD	2A03A	1280	26	54	92	101	106	248	53	158	62
SUNWAPTA FALLS	AL11	1400	26	63	135	94	138	277	79	171*	30
VERMONT CREEK	2A19	1520	25	145	354	159	341	643	152	409	35
AZURE RIVER	1E08P	1620	01	-	1024	548	979	1335	548	957*	5
DOWNIE SLIDE (UPPER)	2A29	1630	01	328	1260	614	1310	2120	614	1048	22
KICKING HORSE	2A07	1650	26	92	215	140	265	462	140	313	55
KIRBYVILLE LAKE	2A25	1750	01	314	1160	613	1114	1476	526	935	28
MOUNT REVELSTOKE	2A06P	1830	Not Measured			577	1150	1487	537	997	8

NORTH CLEMINA CREEK	1E13	1860	25	219	776	451	745	899	355	690*	13
FIDELITY MOUNTAIN	2A17	1870	24	315	1143	599	1201	1703	534	1068	39
KEYSTONE CREEK	2A18	1890	01	207	725	357	845	1277	357	690	33
BEAVERFOOT	2A11	1890	01	75	174	80A	163	333	80A	200	40
NIGEL CREEK	AL10	1920	26	137	399	150	359	655	135	367*	30
BUSH RIVER	2A23	1920	01	214	769	377	932	1078	281	712	34
GOLDSTREAM	2A16	1920	01	306	1105	582	1041	1351	553	943	38
MOLSON CREEK	2A21P	1980	01	-	1043	510	889	1109	437	889	18
MOUNT ABBOT	2A14	1980	25	319	1119	549	1252	1448	508	1046	42
SUNBEAM LAKE	2A22	2010	01	224	805	408	-	1117	389	777	33
MIRROR LAKE	AL06	2030	27	108	302	122	259	483	122	258*	35
BOW SUMMIT II	AL07A	2080	26	140	376	137	361	533	124	320*	22

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERGUSON	2D02	880	01	138	408	283	443	796	283	521	50
BAIRD	WA02	980	27	74	203	162	236	368	0	184*	43

FARRON	2B02A	1220	25	82	268	160	282	450	79	301	29
MONASHEE PASS	2E01	1370	01	98	271	169	300	442	149	301	42
WHATSHAN (UPPER)	2B05	1480	01	152	519	285	571	918	285	573	40
BARNES CREEK	2B06	1620	01	141	428	266	456	634	251	430	40
BARNES CREEK	2B06P	1620	01	-	446	229	446	682	229	465*	8
ST. LEON CREEK	2B08	1800	01	315	1203	500	-	1621	500	1052	32
ST. LEON CREEK	2B08P	1800	01	-	1013	416	953	1392	416	969	8
KOCH CREEK	2B07	1860	01	190	679	337	-	996	269	605	37
RECORD MOUNTAIN	2B09	1890	23	190	691	277	680A	1136	147	629	27
EAST CREEK	2D08P	2030	01	-	720	330	699	1167	312	786	21

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# KOOTENAY

*March 1, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
KISHENEHN	MT01	1190	26	81	203	117	175	399	36	211*	56
FERNIE EAST	2C07	1250	02	103	318	118	290	584	61	333	51
UPPER ELK RIVER	2C06	1340	26	34	70	70	76	330	3A	136	52
SINCLAIR PASS	2C01	1370	01	44	82	67	100	262	48	131	55
MARBLE CANYON	2C05	1520	28	113	303	153	290	579	152	323	55
BRUSH CREEK TIMBER	MT03	1520	28	64	157	142	-	432	86	224*	49
SULLIVAN MINE	2C04	1550	27	101	224	121	191	465	53	279	56
WEASEL DIVIDE	MT02	1660	01	229	803	287	665	1257	254	738*	43
KIMBERLEY (MIDDLE) V O R	2C12	1680	25	87	213	111	171	386	97	259	33
BANFIELD MOUNTAIN	MT05P	1710	01	-	434	239	389	663	239	398*	4

MOUNT JOFFRE	2C16	1750	25	144	370	122	263	551	122	316	30
MORRISSEY RIDGE	2C09Q	1800	01	-	685	232	480	1074	232	626	18
MOYIE MOUNTAIN	2C10P	1930	01	-	435	219	310E	653	149	330*	22
HAWKINS LAKE	MT06P	1970	01	-	610	254	419	881	254	484*	4
ALLISON PASS	AL01	1980	26	133	375	189	272	625	189	410*	19
THUNDER CREEK	2C17	2010	25	91	219	93	158	378	91	230	32
FLOE LAKE	2C14	2090	25	208	682	279	740	993	279	636	32
FLOE LAKE	2C14P	2090	01	-	634	300	671	889	254	560	7
KIMBERLEY (UPPER) V O R	2C11	2140	25	147	373	152	257	696	152	413	33
HIGHWOOD SUMMIT (BUSH)	AL02	2210	26	149	404	145	353	455	145	324*	23
SUNSHINE VILLAGE	AL05	2230	26	196	569	211	584	770	211	493*	31
MOUNT ASSINIBOINE	2C15	2230	25	166	489	185	524	680	185	434	32

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## WEST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

DUNCAN LAKE NO. 2	2D07A	650	24	40	112	108	132	263	72	145*	11
FERGUSON	2D02	880	01	138	408	283	443	796	283	521	50
NELSON	2D04	930	24	116	326	201	353	558	140	355	62
SANDON	2D03	1070	01	102	270	214	272	475	214	343	25
CHAR CREEK	2D06	1310	01	134	445	231	508	754	231	487	34
BUNCHGRASS MEADOW	WA01	1520	Not Available			-	-	843	427	581*	13
BUNCHGRASS MEADOW	WA01P	1520	01	-	711	318	635	1049	318	653*	4
GRAY CREEK (LOWER)	2D05	1550	Not Measured			245	376	663	201	390	53
KOCH CREEK	2B07	1860	01	190	679	337	-	996	269	605	37
MOUNT TEMPLEMAN	2D09	1860	25	267	892	490	-	1534	490	909	32
GRAY CREEK (UPPER)	2D10	1910	Not Measured			343	-	955	343	647	32
EAST CREEK	2D08P	2030	01	-	720	330	699	1167	312	786	21
REDFISH CREEK	2D14P	2104	01	-	1256	-	-	-	-	-	0

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**KETTLE, OKANAGAN and SIMILKAMEEN***March 1, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	25	82	268	160	282	450	79	301	29
GOAT CREEK	WA04	1220	25	43	135	112	137	300	0	163*	39
CARMI	2E02	1250	03	45	102	88	122	274	56	147	39
MONASHEE PASS	2E01	1370	01	98	271	169	300	442	149	301	42
SUMMIT G.S.	WA05	1400	25	64	173	160	201	305	63	191*	38
BIG WHITE MOUNTAIN	2E03	1680	02	142	454	234	404	676	213	403	36
GRANO CREEK	2E07P	1860	01	-	510	206	409	634	206	422*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**OKANAGAN**

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMMERLAND RESERVOIR	2F02	1280	27	78	215	116	161	381	97	213	41
MC CULLOCH	2F03	1280	28	68	121	107	145	249	71	156	62
ABERDEEN LAKE	1F01A	1310	26	51	123	101	128	231	51	144	48
OYAMA LAKE	2F19	1340	27	62	147	111	147	241	73	151	32
POSTILL LAKE	2F07	1370	26	67	183	147	180	274	98	179	52
VASEUX CREEK	2F20	1400	27	18	36	60	84	284	60	139	31
BOULEAU LAKE	2F21	1400	23	98	266	172	252	432A	165	296	31
TROUT CREEK	2F01	1430	28	77	190	138	160	335	55	165	62
BRENDA MINE	2F18	1460	26	95	276	150	210	495	130	292	33
BRENDA MINE	2F18P	1460	01	-	389	184	264	431	184	329	9
ISLAHT LAKE	2F24	1480	26	106	330	165	254	497	165	297	20
GREYBACK RESERVOIR	2F08	1550	27	72	174	123	129	312	91	195	35
ESPERON CR (UPPER)	2F13	1650	24	127	412	182	284	635	157	364	33
ISINTOK LAKE	2F11	1680	28	62	129	133	116	358	53	161	37
MACDONALD LAKE	2F23	1740	26	151	479	241	325	583	170	377	25
MUTTON CREEK NO. 1	WA07	1740	22	99	335B	140	254	589	0	306*	58
MISSION CREEK	2F05P	1780	01	-	514	206	416	610	206	380	30
MOUNT KOBAN	2F12	1810	27	94	269	195	203	488	61	265	36
WHITEROCKS MOUNTAIN	2F09	1830	01	171	610	263	427	809	180	489	46
SILVER STAR MOUNTAIN	2F10	1840	24	212	729	347	687	912	347	607	43
A - SAMPLING PROBLEMS WERE ENCOUNTERED											

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**SIMILKAMEEN****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BROOKMERE	1C01	980	28	62	150	135	129	351	53	200	57
FREEZEOUT CREEK TRAIL	WA11	1070	27	94	274	137	272	615	15	274*	53
LIGHTNING LAKE	3D02	1220	01	89	250	150	246	497	51	258	28
HAMILTON HILL	2G06	1490	02	104	305	210	246	676	127	336	40
MISSEZULA MOUNTAIN	2G05	1550	02	87	204	138	147	363	76	223	38
ISINTOK LAKE	2F11	1680	28	62	129	133	116	358	53	161	37
LOST HORSE MOUNTAIN	2G04	1920	26	80	160	174	171	508	92	193	39
BLACKWALL PEAK	2G03P	1940	01	-	848	311	611	1323	213	755	34
HARTS PASS	WA09	1980	28	350	1260	498	947	1636	312	943*	51
HARTS PASS	WA09P	1980	01	-	988	444	795	1320A	444	868*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COASTAL

*March 1, 2002*

## SOUTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09	880	25	311	1378	736	1534	3150A	95	1199	47
PALISADE LAKE	3A09P	880	Not Available			-	1287	1287	1287	1287*	1
CHAPMAN CREEK	3A26	1022	26	317	1274	790	-	1412	662	999*	6
CALLAGHAN CREEK	3A20	1040	27	211	722	472	772	1260	200	853	24
DOG MOUNTAIN	3A10	1080	26	275	1149	518	1158	2146Z	345	1011	18
GROUSE MOUNTAIN	3A01	1100	26	309	1286	658	1226	2320A	143	1023	51
ORCHID LAKE	3A19	1190	25	374	1412	951	1794	2960A	444	1577	27
ORCHID LAKE	3A19P	1190	01	-	1476	932	1557	3093	805	1630*	15

UPPER SQUAMISH RIVER	3A25P	1340	01	-	1346	806	1403	2301	806	1359	12
NOSTETUKO RIVER	3A22P	1500	01	-	518	-	533	769	203	537*	12
UPPER MOSELY CREEK	3A24P	1650	01	-	298	186	219	555	98	275	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## VANCOUVER ISLAND

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ELK RIVER	3B04	270	27	12	41	0	0	546	0	168	41
WOLF RIVER (LOWER)	3B19	640	27	105	374	236	388	1064	0	355	31
TENNENT LAKE	3B22	950	05	225	914	-	1180A	1200	290A	740	15
UPPER THELWOOD LAKE	3B10	980	27	298	1214	828	1468	2440A	281	1221	41
WOLF RIVER (MIDDLE)	3B18	1070	27	171	552	350	578	1344	71	539	31
FORBIDDEN PLATEAU	3B01	1130	27	295	1197	953	1448	2730A	260	1283	46
JUMP CREEK	3B23P	1160	01	-	1163	589	1144	2016	304	1071*	6
MOUNT COKELY	3B02A	1190	25	212	776	388	858	1016	178	716	20

WOLF RIVER (UPPER)	3B17P	1490	01	-	1033	698	1213	1777	512	1140	13
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## NORTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WEDEENE RIVER SOUTH	3C07	300	01	152	499	-	508	817	207	364	17
TAHTSA LAKE	1B02	1300	28	366	1476	828	998	1405	571	980	50
TAHTSA LAKE	1B02P	1300	01	-	1442	896	1052	1512	661	1078*	8
BURNT BRIDGE CREEK	3C08P	1330	01	-	900	420	578	889	420	643*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**NORTH EAST***March 1, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	24	36	78	38	63	191	38	111	28
MACKENZIE A	4A19	700	27	74	180	92	188	345	92	217	29
PACIFIC LAKE	1A11	770	25	173	540	294	480	832	277	544	39
BULLHEAD MOUNTAIN	4A28	790	25	42	86	0T	56	142	0T	76*	18
PHILIP LAKE	4A13	980	26	98	260	138	225	382	138	249	38
WARE (LOWER)	4A04	980	27	82	214	138	170	246	97	155	38
AIKEN LAKE	4A30P	1040	01	-	295	188	218	363	162	241*	15
TUTIZZI LAKE	4A06	1070	26	105	290	164	229	386	140	225	38
TSAYDAYCHI LAKE	4A12	1160	26	145	444	284	276	540	166	339	38
PINK MOUNTAIN	4A14	1170	28	16	33	10A	24	160	10A	74	38
KAZA LAKE	1A12	1190	26	117	328	270	279	478	186	282	36
PULPIT LAKE	4A09	1310	27	136	407	350	309	531	233	358	37
PULPIT LAKE	4A09P	1310	01	-	408	347	290	448	290	366	11

FREDRICKSON LAKE	4A10	1310	26	90	228	178	178	315	129	212	37
PINE PASS	4A02P	1400	01	-	1100	735	744	1485	735	963	10
SIKANNI LAKE	4C01	1400	27	101	273	184	158	335	107	223	36
TRYGVE LAKE	4A11	1400	26	120	337	243	295	453	211	314	37
PINE PASS	4A02	1430	25	334	1262	925	843	1502	480	969	38
MORFEE MOUNTAIN	4A16	1450	25	223	790	601	578	1166	312	717	34
LADY LAURIER LAKE	4A07	1460	27	169	571	328	427	662	255	425	35
MOUNT SHEBA	4A18	1490	25	245	848	410	599	1037	394	697	31
MOUNT STEARNS	4A21	1500	27	58	141	64	56	227	56	129	27
GERMANSEN (UPPER)	4A05	1500	26	121	366	240	241	520	174	300	41
JOHANSON LAKE	4B02	1540	26	100	271	216	205	368	148	250	38
MONKMAN CREEK	4A20	1550	25	160	503	211	335	925	211	540	20
WARE (UPPER)	4A03	1570	27	94	253	157	195	360	114	213	41
BULLMOOSE CREEK	4A31	1570	Not Available			276	296	663	273	442*	14
KWADACHA RIVER	4A27P	1620	01	-	315	206	267	405	195	284	17

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LIARD

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
FORT NELSON A	4C05	380	28	60	124	40	70	177A	40	102	36
WATSON LAKE A	YK01	700	28	87	174	113	88	216	61	125*	36
FRANCES RIVER	YK02	730	27	80	154	143	83	312	65	134*	26
DEASE LAKE	4C03	820	02	54	139	75	70	229	45	129	37
JADE CITY	4C15	940	23	85	208	-	-	-	-	-	0
SUMMIT LAKE	4C02	1280	01	50	92	-	0T	190	0T	105	33
DEADWOOD RIVER	4C09P	1300	01	-	109	113	85	220	58	124*	8
SIKANNI LAKE	4C01	1400	27	101	273	184	158	335	107	223	36

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# NORTH WEST

*March 1, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SPEEL RIVER	AK03	80	27	244	813	389B	554	1024	389B	659*	31
TELEGRAPH CREEK	4D01	580	01	53	120	96	59	345	53	156	27
NINGUNSAW PASS	4B10	690	26	145	416	292	364	629	232	400	27
DEASE LAKE	4C03	820	02	54	139	75	70	229	45	129	37
ISKUT	4D02	1000	26	42	101	63	33	176	33	113	27
KINASKAN LAKE	4D11P	1020	01	-	338	268	287	527	204	318	11
TUMEKA CREEK	4D10P	1220	01	-	487	421	445	789	338	576	12
WADE LAKE	4D14P	1370	01	-	278	249	300	475	162	354	10
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**YUKON****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ATLIN LAKE	4E02A	730	26	59	113	80	80	185A	50	109*	18
LOG CABIN	4E01	880	26	139	436	372	396	514	124	303	41
PINE LK AIRSTRIP	YK03	1010	01	87	192	177	186	330	25	187*	26
MONTANA MTN.	YK05	1020	26	64	132	65	131	202	65	127*	26
TAGISH	YK04	1080	27	66	151	82	104	198	75	119*	26
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**SKEENA/NASS****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TERRACE A	4B13A	180	01	57	173	116	174	407	0	179	20
BEAR PASS	4B11A	460	05	167	546	428	553	824	416	751	18
NINGUNSAW PASS	4B10	690	26	145	416	292	364	629	232	400	27
GRANDUC MINE	4B12P	790	01	-	1725	-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	01	-	649	469	-	469	469	469*	1

MCKENDRICK CREEK	4B07	1050	01	92	275	182	191	391	177	265	34
TACHEK CREEK	4B06	1140	28	91	203	149	160	330	117	191	34
KAZA LAKE	1A12	1190	26	117	328	270	279	478	186	282	36
LU LAKE	4B15	1300	26	106	300	174	140	406	140	274	23
LU LAKE	4B15P	1310	01	-	319	-	116	244	116	186*	3
TSAI CREEK	4B17P	1360	01	-	1384	758	743	1054	743	869*	4
KIDPRICE LAKE	4B01	1370	28	284	1137	655	627	1101	429	773	50
TRYGVE LAKE	4A11	1400	26	120	337	243	295	453	211	314	37
EQUITY MINE	4B14	1420	26	128	410	272	204	514	204	302	24
CHAPMAN LAKE	4B04	1460	26	149	543	346	323	691	268	396	37
SHEDIN CREEK	4B16P	1480	01	-	878	724	664	904	664	735*	6
MOUNT CRONIN	4B08	1480	26	169	646	470	388	869	348	521	33
HUDSON BAY MTN.	4B03A	1480	27	159	620	378	304	719	287	449	30
JOHANSON LAKE	4B02	1540	26	100	271	216	205	368	148	250	38

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**Banner**

[Province-Wide Synopsis](#)

# Snowpack and Water Supply Outlook for British Columbia

April 1, 2002

Basin Commentaries

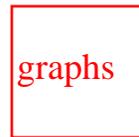
Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

[-Upper Fraser](#)

[-Mid and Lower Fraser](#)

[-Thompson](#)

## Province-wide Synopsis



[B.C Summary](#)  
[Graphs of Snow](#)  
[Water Equivalents](#)

[-Columbia](#)

Snow surveys have been conducted at 179 snow courses in B.C. and 28 locations in surrounding jurisdictions. These, together with data from 58 snow pillows, and meteorological and streamflow data from Environment Canada, have been used in making the following analyses.

[-Kootenay](#)

[-Okanagan, Kettle, and Similkameen](#)

[-Coastal](#)

### Snowpack

The mountain snowpacks in most of the province are still close to, or slightly above normal. Both Vancouver Island and low-elevation Fraser snowpacks are below normal, however a belt from the Nechako River Basin and adjacent Bulkley River across into the Peace River basin have above normal snowpacks. The cooler weather has delayed melt of some low elevation snowpacks, bringing them closer to 1961-1990 normals for April 1.

[-NorthEast](#)

[-NorthWest](#)

[Volume Forecasts](#)

### Weather

Reports from selected valley bottom weather stations around the province indicate that mean monthly temperatures throughout the province were well below normal

[Groundwater 2002](#)

[Snow Pillow  
Graphs 2002](#)

(2 to 7 deg C) during March. Precipitation was more variable, varying from below normal in the Stikine and middle/lower Fraser to far above normal in the South Thompson and Similkameen.

## Outlook

Links to forecasts of seasonal volume runoff are included in the following text, and will be published Monday April 8. These forecasts are calculated using statistical regression techniques and assume that the weather from the forecast date forward will be normal. Peak flows will depend on the weather patterns during May and June, but rivers and lakes are unlikely to reach damaging levels unless there are very abnormal conditions.

Snow Survey Bulletins for 1997, 1998, 1999, 2000, 2001 and earlier in 2002 are available through the [archives](#).

## Upper Fraser & Nechako Basins

[graphs](#)  
[Data](#)  
[Graphs](#)

[Snow Survey  
Data  
Measurements](#)

## April 1, 2002

Mean monthly temperatures were over 6 degrees C lower than normal at Prince George during March. Regional precipitation during March was near normal, however cumulative seasonal totals at Prince George and Ft St James are still below normal.

Snow water equivalent index in the Upper Fraser is 107% of normal for April 1. In the Nechako basin the overall snow water index is 134%, however the highest values measured were in the area draining into the Nechako reservoir.

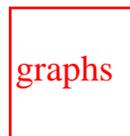
Regional run off as indicated by mean flow in the Fraser River near Marguerite during March was 78% of normal.



[Seasonal Runoff  
Forecasts for the Fraser  
and Thompson Basins](#)



Middle and Lower  
Fraser



[Data  
Graphs](#)



[Snow Survey  
Data  
Measurements](#)

April 1, 2002

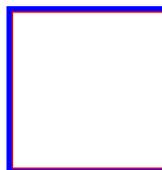
The mean monthly temperature in Quesnel was nearly 7 degrees below normal during March. March and seasonal precipitations there are below normal.

Middle Fraser snowpacks are only slightly above normal for April 1, however the Chilcotin basin snowpacks are well above normal.

Abbotsford mean temperature was 2 degrees C below normal during March. Seasonal precipitation since November is near normal. Snow water index for the Lower Fraser is at 114% of normal, however the lower mainland mountain snowpacks are over 20% above usual April 1 normal.

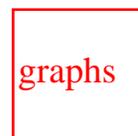
Lower elevation Fraser basin snowpacks are near normal for April 1.

The monthly flow of the Fraser River at Hope, reflecting lower overall basin temperatures, was only 54% of usual March flows.



[Seasonal Runoff  
Forecasts for the  
Fraser and  
Thompson Basins](#)

## Thompson Basin



[Data](#)  
[Graphs](#)



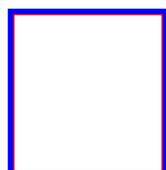
[Snow Survey](#)  
[Data](#)  
[Measurements](#)

April 1, 2002

Mean monthly temperature over March were around 4 degrees lower than normal in the Thompson basin. Seasonal precipitation since November is near normal.

Both North and South Thompson snowpacks are slightly above normal for April 1.

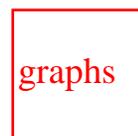
Regional runoff, as represented by the mean monthly flow in the Thompson River at Spences Bridge, was 91% of usual.



[Seasonal Runoff](#)  
[Forecasts for the Fraser](#)  
[and Thompson Basins](#)



## Columbia Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

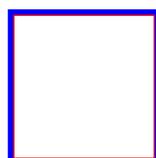
April 1, 2002

Mean monthly temperatures as measured at Revelstoke were around 3 degrees lower than normal during March. Precipitation during March and seasonal totals are

just below normal.

Snowpack accumulations as measured by the snow water index for the region overall were 106% of April normal, slightly higher in the area north of Revelstoke and slightly lower in the Lower Columbia.

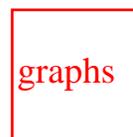
Regional monthly runoff as indicated by the Columbia River at Donald was only 67% of normal, due to colder temperatures.



[Seasonal Runoff  
Forecasts for the  
Columbia, Kootenay &  
Okanagan Basins](#)



Kootenay Basin



[Data  
Graphs](#)



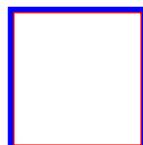
[Snow Survey  
Data  
Measurements](#)

April 1, 2002

Mean monthly temperatures as measured at Cranbrook were nearly 5 degrees C lower than normal during March. March and seasonal cumulative precipitation to April 1 were both near normal.

While the overall Kootenay Basin snow water index is near normal for April 1, snowpacks in the south-east area (Elk River) are above normal.

The regional runoff as indicated by the mean flow in the Kootenay River at Fort Steele during March were only 67% of normal.



[Seasonal Runoff  
Forecasts for the  
Columbia, Kootenay &  
Okanagan Basins](#)

## Okanagan, Kettle, and Similkameen Basins

graphs

[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

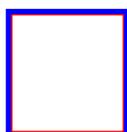
April 1, 2002

March mean monthly temperatures in the region were around 4 degrees C below normal. Precipitation was far above normal at Princeton during March, raising November through March cumulative precipitation there to above normal. Kelowna precipitation has been slightly below normal according to Environment Canada.

Okanagan-Kettle snow water index is 109% for April 1, the Similkameen basin index slightly higher at 111% of normal.

Okanagan Lake levels are near normal for April 1, despite low March inflows.

The April through July volume forecast for inflow to Okanagan Lake, with all other volume forecasts, will be published Monday April 8.



[Seasonal Runoff](#)  
[Forecasts for the](#)  
[Columbia, Kootenay &](#)  
[Okanagan Basins](#)



## Coastal Region & Vancouver Island

graphs

[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

April 1, 2002

Cumulative seasonal precipitation to April 1 in the south coastal and Vancouver Island region is slightly below normal. Temperatures during March were slightly below normal.

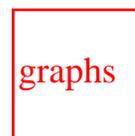
On Vancouver Island, snow accumulation for April 1 is slightly below normal. On the South Coast, the regional water equivalent index is normal, however extreme southern portions have a higher than normal snowpack.

Natural runoff as indicated by the inflow to Upper Campbell Lake during March were only around 40% of normal.



[Seasonal Runoff  
Forecasts for Coastal  
Basins](#)

## North East Region



[Data  
Graphs](#)



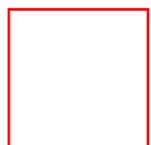
[Snow Survey  
Data  
Measurements](#)

## April 1, 2002

Mean monthly temperatures in the northeastern region of the province during March were around 4 degrees C below normal. March precipitation was near normal, however cumulative seasonal totals are above normal.

Snowpacks in the Liard basin are normal, however the Peace basin has above normal snow.

The regional runoff as indicated by the inflow to Williston Lake was only slightly below usual flows.



[Seasonal Runoff  
Forecasts for Northern  
Basins](#)

## NorthWest Region

[graphs](#)

[Data](#)  
[Graphs](#)

[Snow Survey Data](#)  
[Measurements](#)

April 1, 2002

Mean monthly temperatures throughout the region during March were over 5 degrees C below normal. March precipitation at Smithers was well above normal, however cumulative seasonal precipitation is normal.

In the Skeena and Nass basins the overall snow water index is 120% of normal. However, the Nass appears to have only normal snowpacks, with the index being pushed up by higher than normal snowpacks in the Skeena. The upper Bulkley River appears to have a snowpack in the range of 20 to 30% above normal. Stikine snowpack, from very few measurements, appears to be below normal.

Runoff as indicated by flows in the Skeena River at Usk was low at 77% of normal, due to colder temperatures.



[Seasonal Runoff](#)  
[Forecasts for Northern](#)  
[Basins](#)



Banner

# UPPER and MIDDLE FRASER

*April 1, 2002*

## UPPER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PRINCE GEORGE A	1A10	690	27	48	122	67	93	313	0	132	40
PACIFIC LAKE	1A11	770	26	178	697	378	560	879	290	623	39
BURNS LAKE	1A16	800	29	53	140	104	64	264	0	125	30
CANOE RIVER	2A01A	910	27	45	142	3	56	262	0	123	61
PHILIP LAKE	4A13	980	27	101	330	176	281	423	176	288	39
HEDRICK LAKE	1A14	1100	26	186	698	439	603	1046	351	689	35
HEDRICK LAKE	1A14P	1100	01	-	964	581	840	840	581	711*	2
BIRD CREEK	1A23	1180	27	56	180	86	136	270	84	146*	12
KAZA LAKE	1A12	1190	27	120	390	312	326	453	226	330	37
LU LAKE	4B15	1300	26	117	352	222	202	484	170	310	25
FORFAR CREEK (UPPER)	1A24	1410	26	178	626	506	432	760	426B	550*	9
EQUITY MINE	4B14	1420	26	139	458	332	288	640	258	357	25

MOUNT SHEBA	4A18	1490	26	255	988	522	728	1146	495	815	33
BARKERVILLE	1A03P	1520	01	-	375	263	338	524	263	393	25
KNUDSEN LAKE	1A15	1580	26	236	903	509	692	1255	485	864	33
MC BRIDE (UPPER)	1A02	1580	27	136	406	225	366	780	225	462	49
NARROW LAKE	1A21	1650	28	243	849	642	835	1350	541	895	27
REVOLUTION CREEK	1A17P	1690	01	-	955	453	777	1222	453	863	16
LONGWORTH (UPPER)	1A05	1740	Not Measured			572	680	1234A	467	781	47
DOME MOUNTAIN	1A19	1820	27	228	785	534	630	1057	416	802	31
MARMOT JASPER	AL12	1830	27	108	279	102	208	422	102	237*	32
YELLOWHEAD	1A01	1860	27	165	534	262	513	770	262	520	50
YELLOWHEAD	1A01P	1860	01	-	630	349	596	784	225	480*	5
HOLMES RIVER	1A18	1900	27	224	792	443	731	1029	443	748	32

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## NECHAKO

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SKINS LAKE	1B05	880	27	33	89	53	92	203	0	115	38

TAHTSA LAKE	1B02	1300	27	359	1579	985	1264	1554	775	1117	49
TAHTSA LAKE	1B02P	1300	01	-	1597	1103	1198	1686	860	1296*	9
KIDPRICE LAKE	4B01	1370	27	268	1169	817	768	1247	622	888	48
MOUNT PONDOSY	1B08P	1400	01	-	1094	689	686	1027	576	833*	10
NUTLI LAKE	1B07	1490	27	177	715	375	383	724	375	544*	11
MOUNT WELLS	1B01	1490	27	153	625	357	383	960	356	516	47
MOUNT WELLS	1B01P	1490	01	-	695	439	402	725	402	603	10
MOUNT SWANNELL	1B06	1620	27	98	350	215	232	489	203	301*	13
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## MIDDLE FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNZI MOUNTAIN	1C22	940	29	12	38	0	24	120C	0	28	32
BROOKMERE	1C01	980	30	68	180	146	86	399	86	211	57
NAZKO	1C08	1070	29	26	63	37	34	165B	0	71	43
BIG CREEK	1C21	1140	31	14	41	44	19	119	0	17*	31
GRANITE MOUNTAIN	1C33	1150	31	63	213	137	183	261	73	181*	9

DUFFY LAKE	1C28	1200	28	148	555	302	540	866	244	484	24
PAVILION	1C06	1230	01	24	70	38	33B	147	0	60	45
LAC LE JEUNE (LOWER)	1C07	1370	02	44	97	73	64	251	0	112	46
BRIDGE GLACIER (LOWER)	1C39	1400	01	165	628	364	546	1086	364	658*	7
DEADMAN RIVER	1C32	1430	31	60	144	118	100	188	30	122	18
SHOVELNOSE MOUNTAIN	1C29	1450	31	91	313	172	207	442	108	265	23
BRALORNE	1C14	1450	01	49	122	103	116	389	0	173	39
BOSS MOUNTAIN MINE	1C20P	1460	01	-	778	443	641	844	443	577	8
BRENDA MINE	2F18P	1460	01	-	418	237	302	497	227	356	9
BRENDA MINE	2F18	1460	27	99	318	178	258	531	178	325	33
LAC LE JEUNE (UPPER)	1C25	1460	02	55	147	100	98	228	43	147	29
HIGHLAND VALLEY	1C09A	1510	02	45	108	60	58	249	3A	102	36
BARKERVILLE	1A03P	1520	01	-	375	263	338	524	263	393	25
HORSEFLY MOUNTAIN	1C13A	1550	31	158	456	418	416	716	282	462	32
GNAWED MOUNTAIN	1C19	1580	02	55	120	76	64	307	37	140	34
MOUNT TIMOTHY	1C17	1660	01	119	317	203	283	533	186	331	39
YANKS PEAK EAST	1C41P	1670	01	-	836	626	795	994	626	824*	5
PENFOLD CREEK	1C23	1680	28	300	1070	641	995	1285	641	999	26
GREEN MOUNTAIN	1C12P	1780	01	-	1064	616	780	1408	616	942*	8
MCGILLIVRAY PASS	1C05	1800	01	165	630	417	553	1118	322	594	49

MISSION RIDGE	1C18P	1850	01	-	631	381	530	908	359	650	15
DOWNTON LAKE (UPPER)	1C38	1890	01	241	1000	566	774	1416	566	942*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	01	157	636	300	396	844	300	488*	7
BRALORNE (UPPER)	1C37	1980	01	193	740	526	678	1010	526	741*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**MIDDLE and LOWER FRASER***April 1, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNZI MOUNTAIN	1C22	940	29	12	38	0	24	120C	0	28	32
BROOKMERE	1C01	980	30	68	180	146	86	399	86	211	57
NAZKO	1C08	1070	29	26	63	37	34	165B	0	71	43
BIG CREEK	1C21	1140	31	14	41	44	19	119	0	17*	31
GRANITE MOUNTAIN	1C33	1150	31	63	213	137	183	261	73	181*	9
DUFFY LAKE	1C28	1200	28	148	555	302	540	866	244	484	24
PAVILION	1C06	1230	01	24	70	38	33B	147	0	60	45
LAC LE JEUNE (LOWER)	1C07	1370	02	44	97	73	64	251	0	112	46
BRIDGE GLACIER (LOWER)	1C39	1400	01	165	628	364	546	1086	364	658*	7
DEADMAN RIVER	1C32	1430	31	60	144	118	100	188	30	122	18
SHOVELNOSE MOUNTAIN	1C29	1450	31	91	313	172	207	442	108	265	23
BRALORNE	1C14	1450	01	49	122	103	116	389	0	173	39
BOSS MOUNTAIN MINE	1C20P	1460	01	-	778	443	641	844	443	577	8
BRENDA MINE	2F18P	1460	01	-	418	237	302	497	227	356	9

BRENDA MINE	2F18	1460	27	99	318	178	258	531	178	325	33
LAC LE JEUNE (UPPER)	1C25	1460	02	55	147	100	98	228	43	147	29
HIGHLAND VALLEY	1C09A	1510	02	45	108	60	58	249	3A	102	36
BARKERVILLE	1A03P	1520	01	-	375	263	338	524	263	393	25
HORSEFLY MOUNTAIN	1C13A	1550	31	158	456	418	416	716	282	462	32
GNAWED MOUNTAIN	1C19	1580	02	55	120	76	64	307	37	140	34
MOUNT TIMOTHY	1C17	1660	01	119	317	203	283	533	186	331	39
YANKS PEAK EAST	1C41P	1670	01	-	836	626	795	994	626	824*	5
PENFOLD CREEK	1C23	1680	28	300	1070	641	995	1285	641	999	26
GREEN MOUNTAIN	1C12P	1780	01	-	1064	616	780	1408	616	942*	8
MCGILLIVRAY PASS	1C05	1800	01	165	630	417	553	1118	322	594	49
MISSION RIDGE	1C18P	1850	01	-	631	381	530	908	359	650	15
DOWNTON LAKE (UPPER)	1C38	1890	01	241	1000	566	774	1416	566	942*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	01	157	636	300	396	844	300	488*	7
BRALORNE (UPPER)	1C37	1980	01	193	740	526	678	1010	526	741*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

WOLVERINE CREEK	1D13	300	31	35	115	0T	0Z	160	0T	16*	26
SUMMALLO RIVER WEST	3D01C	790	02	92	317	150	252	512B	0	115*	10
BROOKMERE	1C01	980	30	68	180	146	86	399	86	211	57
CALLAGHAN CREEK	3A20	1040	29	222	882	546	982	1604	192	973	25
DISAPPOINTMENT LAKE	1D18P	1040	02	-	1930P	1248P	-	1966	1248P	1607*	2
DICKSON LAKE	1D16	1070	02	439	1940	1108	2020A	2990A	738	1504*	10
DOG MOUNTAIN	3A10	1080	28	371	1622	746	1683	2720A	51	1261	57
BEAVER PASS	WA12	1120	29	221	866	322	770	1849	94	788*	57
KLESILKWA	3D03A	1130	02	128	497	92	298	792	0	303	54
SPUZZUM CREEK	1D19P	1180	01	-	2096	1031	1796	1796	1031	1414*	2
DUFFEY LAKE	1C28	1200	28	148	555	302	540	866	244	484	24
STAVE LAKE	1D08	1210	02	394	1666	954	1805	2750A	579	1585	34
WAHLEACH LAKE	1D09	1400	02	206	800	491	802	1270	125	666	34
WAHLEACH LAKE	1D09P	1400	01	-	1344	878	1338	1380P	634	984*	10
NAHATLATCH RIVER	1D10	1520	02	356	1497	772	1491	2410A	749	1426	34
EASY PASS	WA13	1580	Not Available			-	-	3094	996	2061*	31
CHILLIWACK RIVER	1D17P	1600	01	-	1894	1069	1616	1850	1040	1635	8
GREAT BEAR	1D15P	1660	01	-	1973	998	1635	2400	998	1607	10
TENQUILLE LAKE	1D06	1680	28	313	1244	780	1155	1795	605	1167	49
TENQUILLE LAKE	1D06P	1680	01	-	1193	713	-	713	713	713*	1

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

# SKAGIT

## Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
SUMALLO RIVER WEST	3D01C	790	02	92	317	150	252	512B	0	115*	10
FREEZEOUT CREEK TRAIL	WA11	1070	27	107	353	117	295	665	8	305*	57
BEAVER PASS	WA12	1120	29	221	866	322	770	1849	94	788*	57
KLESILKWA	3D03A	1130	02	128	497	92	298	792	0	303	54
LIGHTNING LAKE	3D02	1220	02	100	330	175	290	622	140	315	54
HARTS PASS	WA09	1980	28	358	1430	587	1077	1725	541	1086*	59
HARTS PASS	WA09P	1980	01	-	1217	546	917	1770	546	1070*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# THOMPSON

*April 1, 2002*

## NORTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	28	91	280	238	294	425	186	286	19
KNOUFF LAKE	1E05	1200	30	60	153	122	154	274	58	147	46
COOK CREEK	1E14P	1280	01	-	638	495	664	664	495	580*	2
COOK FORKS	1E06	1390	31	277	940A	656	903	1394	530A	924	39
BOSS MOUNTAIN MINE	1C20P	1460	01	-	778	443	641	844	443	577	8
MOUNT COOK	1E02P	1550	01	-	1406	939	-	939	939	939*	1
MOUNT COOK	1E02A	1580	30	345	1227	845	1334	1709	790A	1243	28
AZURE RIVER	1E08	1620	27	307	1137	686	1125	1422A	686	1034	32
AZURE RIVER	1E08P	1620	01	-	1215	716	1204	1511	716	1159*	5

ADAMS RIVER	1E07	1720	31	215	810	540	780	1069	435	710	32
KOSTAL LAKE	1E10P	1770	01	-	897	635	868	1165	618	871	17
NORTH CLEMINA CREEK	1E13	1860	27	236	916	562	974	1018	560	833*	13
TROPHY MOUNTAIN	1E03A	1860	31	179	634	412	644	888	366	545	28

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SOUTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	01	91	333	268	410	561	142	361	44
ABERDEEN LAKE	1F01A	1310	26	49	121	89	140	259	6	145	63
MONASHEE PASS	2E01	1370	03	94	312	188	346	517	188	346	53
BOULEAU LAKE	2F21	1400	31	102	296	172B	292	564	172B	351	31
ADAMS RIVER	1E07	1720	31	215	810	540	780	1069	435	710	32
KIRBYVILLE LAKE	2A25	1750	27	340	1339	870	1323	1816	701	1126	29
SILVER STAR MOUNTAIN	2F10	1840	30	212	827	464	892	1115	414	726	43
PARK MOUNTAIN	1F03P	1890	01	-	908	549	1043	1207	549	834	17

ENDERBY	1F04	1900	27	276	1169	618	1247	1430	610	988	39
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## MIDDLE FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	29	12	38	0	24	120C	0	28	32
BROOKMERE	1C01	980	30	68	180	146	86	399	86	211	57
NAZKO	1C08	1070	29	26	63	37	34	165B	0	71	43
BIG CREEK	1C21	1140	31	14	41	44	19	119	0	17*	31
GRANITE MOUNTAIN	1C33	1150	31	63	213	137	183	261	73	181*	9
DUFFY LAKE	1C28	1200	28	148	555	302	540	866	244	484	24
PAVILION	1C06	1230	01	24	70	38	33B	147	0	60	45
LAC LE JEUNE (LOWER)	1C07	1370	02	44	97	73	64	251	0	112	46
BRIDGE GLACIER (LOWER)	1C39	1400	01	165	628	364	546	1086	364	658*	7
DEADMAN RIVER	1C32	1430	31	60	144	118	100	188	30	122	18
SHOVELNOSE MOUNTAIN	1C29	1450	31	91	313	172	207	442	108	265	23
BRALORNE	1C14	1450	01	49	122	103	116	389	0	173	39

BOSS MOUNTAIN MINE	1C20P	1460	01	-	778	443	641	844	443	577	8
BRENDA MINE	2F18P	1460	01	-	418	237	302	497	227	356	9
BRENDA MINE	2F18	1460	27	99	318	178	258	531	178	325	33
LAC LE JEUNE (UPPER)	1C25	1460	02	55	147	100	98	228	43	147	29
HIGHLAND VALLEY	1C09A	1510	02	45	108	60	58	249	3A	102	36
BARKERVILLE	1A03P	1520	01	-	375	263	338	524	263	393	25
HORSEFLY MOUNTAIN	1C13A	1550	31	158	456	418	416	716	282	462	32
GNAWED MOUNTAIN	1C19	1580	02	55	120	76	64	307	37	140	34
MOUNT TIMOTHY	1C17	1660	01	119	317	203	283	533	186	331	39
YANKS PEAK EAST	1C41P	1670	01	-	836	626	795	994	626	824*	5
PENFOLD CREEK	1C23	1680	28	300	1070	641	995	1285	641	999	26
GREEN MOUNTAIN	1C12P	1780	01	-	1064	616	780	1408	616	942*	8
MCGILLIVRAY PASS	1C05	1800	01	165	630	417	553	1118	322	594	49
MISSION RIDGE	1C18P	1850	01	-	631	381	530	908	359	650	15
DOWNTON LAKE (UPPER)	1C38	1890	01	241	1000	566	774	1416	566	942*	7
TYAUGHTON CREEK (NORTH)	1C40	1950	01	157	636	300	396	844	300	488*	7
BRALORNE (UPPER)	1C37	1980	01	193	740	526	678	1010	526	741*	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COLUMBIA

*April 1, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CANOE RIVER	2A01A	910	27	45	142	3	56	262	0	123	61
DOWNIE SLIDE (LOWER)	2A27	980	27	191	704	448	784	1062	448	710	25
GLACIER	2A02	1250	27	192	667	485	743	1161	371B	735	65
FIELD	2A03A	1280	26	44	96	96	95	251	8	151	62
SUNWAPTA FALLS	AL11	1400	28	74	198	119	198	333	89	195*	33
VERMONT CREEK	2A19	1520	29	139	430	190	403	843	190	459	36
AZURE RIVER	1E08	1620	27	307	1137	686	1125	1422A	686	1034	32
AZURE RIVER	1E08P	1620	01	-	1215	716	1204	1511	716	1159*	5
DOWNIE SLIDE (UPPER)	2A29	1630	27	356	1490	890	1614	2360A	858	1231	24
KICKING HORSE	2A07	1650	26	100	271	185	346	589	185	357	54
KIRBYVILLE LAKE	2A25	1750	27	340	1339	870	1323	1816	701	1126	29

MOUNT REVELSTOKE	2A06P	1830	01	-	1307	848	1415	1686	709	1198	9
NORTH CLEMINA CREEK	1E13	1860	27	236	916	562	974	1018	560	833*	13
FIDELITY MOUNTAIN	2A17	1870	29	337	1360	795	1523	1951	730	1245	39
BEAVERFOOT	2A11	1890	29	78	196	106	206	460	105	227	42
KEYSTONE CREEK	2A18	1890	27	215	829	485	939	1388	485	817	35
NIGEL CREEK	AL10	1920	28	148	437	208	475	700	198	428*	33
GOLDSTREAM	2A16	1920	27	318	1264	849	1338	1638A	785	1125	38
BUSH RIVER	2A23	1920	27	224	864	502	945	1331	455	850	35
MOLSON CREEK	2A21P	1980	01	-	1223	690	1005	1166	651	1003	19
MOUNT ABBOT	2A14	1980	01	375	1414	715	1424	1849	698	1258	43
SUNBEAM LAKE	2A22	2010	27	237	936	590	962	1384	590	916	35
MIRROR LAKE	AL06	2030	26	124	368	161	305	561	160	301*	62
BOW SUMMIT II	AL07A	2080	28	145	439	180	434	584B	180	363*	23

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERGUSON	2D02	880	27	133	499	319	552	881	142	576	64

BAIRD	WA02	980	27	68	226	142	279	363	0	155*	42
FARRON	2B02A	1220	28	92	310	162	375	480	162	338	29
MONASHEE PASS	2E01	1370	03	94	312	188	346	517	188	346	53
WHATSHAN (UPPER)	2B05	1480	03	163	601	350	741	964	350	647	44
BARNES CREEK	2B06	1620	03	141	482	299	577	768	299	509	45
BARNES CREEK	2B06P	1620	01	-	544	323	585	773	323	563*	9
ST. LEON CREEK	2B08	1800	03	352	1451	-	1308	1831	818	1201	33
ST. LEON CREEK	2B08P	1800	01	-	1256	581	1185	1553	581	1102	8
KOCH CREEK	2B07	1860	03	191	733	397	808	1156	397	742	43
RECORD MOUNTAIN	2B09	1890	01	208	810	356	858	1307	315	775	27
EAST CREEK	2D08P	2030	Not Measured			442	849	1245	442	897	21

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# KOOTENAY

*April 1, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
KISHENEHN	MT01	1190	30	86	284	104	150	465	36	201*	55
FERNIE EAST	2C07	1250	01	112	407	156	306	605	151	370	50
UPPER ELK RIVER	2C06	1340	27	17	30A	52	74	345	0	116	54
SINCLAIR PASS	2C01	1370	29	40	96	70	131	262A	36	134	65
BRUSH CREEK TIMBER	MT03	1520	28	84	226	127	173	434	76	245*	50
MARBLE CANYON	2C05	1520	28	121	353	193	366	587A	168	352	55
SULLIVAN MINE	2C04	1550	02	99	297	160	245	538	137	324	56
WEASEL DIVIDE	MT02	1660	01	256	1016	312	833	1346	312	827*	61
KIMBERLEY (MIDDLE) V O R	2C12	1680	25	91	254B	141	218	462	141	298	33

BANFIELD MOUNTAIN	MT05	1710	Not Available			236	419	919	236	539*	32
BANFIELD MOUNTAIN	MT05P	1710	01	-	561	279	452	739	279	457*	4
MOUNT JOFFRE	2C16	1750	29	148	474	179	311	711	179	376	33
MORRISSEY RIDGE	2C09Q	1800	01	-	866	360	578	1224	360	751	18
RED MOUNTAIN	MT04	1830	29	160	544	224	401	810	211	482*	63
MOYIE MOUNTAIN	2C10P	1930	01	-	540	258	380E	679	216	396*	22
HAWKINS LAKE	MT06	1970	26	218	869	-	655	1313	399	757*	29
HAWKINS LAKE	MT06P	1970	01	-	782	310	518	1001	310	570*	4
ALLISON PASS	AL01	1980	26	148	432	247	340	823	247	486*	38
WILKINSON SUMMIT (BUSH)	AL03	1980	27	84	224	100	135	460	100	215*	38
THUNDER CREEK	2C17	2010	29	107	277	140A	206	475	140A	279	32
FLOE LAKE	2C14	2090	27	225	806	430	861	1242	411	762	32
FLOE LAKE	2C14P	2090	01	-	769	394	818	1001	360	674	7
KIMBERLEY (UPPER) V O R	2C11	2140	25	145	457B	197	333	798	197	488	33
HIGHWOOD SUMMIT (BUSH)	AL02	2210	28	170	503	180	419	681	180	391*	31
SUNSHINE VILLAGE	AL05	2230	28	204	658	277	620	996	277	602*	35
MOUNT ASSINIBOINE	2C15	2230	29	184	600	252	587	816	252	530	33

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**WEST KOOTENAY****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DUNCAN LAKE NO. 2	2D07A	650	26	34	115	46	36	223	0	88*	11
FERGUSON	2D02	880	27	133	499	319	552	881	142	576	64
NELSON	2D04	930	03	104	374	202	395	622	137	380	64
SANDON	2D03	1070	01	94	294	262	344	585	71	352	63
CHAR CREEK	2D06	1310	01	139	534	273	615	940	273	584	36
SMITH CREEK	ID01	1460	01	282	1087	508	1143	1940	508	1119*	60
BUNCHGRASS MEADOW	WA01	1520	Not Available			-	686	1173	340	747*	59
BUNCHGRASS MEADOW	WA01P	1520	01	-	830	414	838	1214	414	809*	4
GRAY CREEK (LOWER)	2D05	1550	Not Measured			331	470	688	290	467	54
KOCH CREEK	2B07	1860	03	191	733	397	808	1156	397	742	43
MOUNT TEMPLEMAN	2D09	1860	29	269	1065	-	1064	1608	688	1057	32
GRAY CREEK (UPPER)	2D10	1910	Not Measured			492	741	1123	492	793	33
EAST CREEK	2D08P	2030	Not Measured			442	849	1245	442	897	21
REDFISH CREEK	2D14P	2104	01	-	1519	-	-	-	-	-	0

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**KETTLE, OKANAGAN and SIMILKAMEEN***April 1, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	28	92	310	162	375	480	162	338	29
GOAT CREEK	WA04	1220	01	28	89	-	124	274	0	113*	37
CARMI	2E02	1250	02	42	118	82	106	290	14	150	39
MONASHEE PASS	2E01	1370	03	94	312	188	346	517	188	346	53
SUMMIT G.S.	WA05	1400	01	61	170	157	282	338	23	208*	39
BIG WHITE MOUNTAIN	2E03	1680	01	154	534	332	508	762	332	479	36
GRANO CREEK	2E07P	1860	01	-	626	334	559	769	334	560*	4
BLUEJOINT MOUNTAIN	2E06	2040	03	199	761	329	803	1175	329	727	24

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**OKANAGAN****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMMERLAND RESERVOIR	2F02	1280	27	81	240	116	192	389	96	230	65
MC CULLOCH	2F03	1280	02	60	154	108	156	249	38	159	64
ABERDEEN LAKE	1F01A	1310	26	49	121	89	140	259	6	145	63
OYAMA LAKE	2F19	1340	27	70	183	122	188	255	61	162	31
POSTILL LAKE	2F07	1370	28	80	226	160	208	348	109	220	51
VASEUX CREEK	2F20	1400	02	40	108	72	144	239	72	160	31
BOULEAU LAKE	2F21	1400	31	102	296	172B	292	564	172B	351	31
TROUT CREEK	2F01	1430	28	77	189	117	189	396	52	175	65
ESPERON CR (MIDDLE)	2F14	1430	31	109	366	196	320	607	196	362	34
BRENDA MINE	2F18	1460	27	99	318	178	258	531	178	325	33
BRENDA MINE	2F18P	1460	01	-	418	237	302	497	227	356	9
ISLAHT LAKE	2F24	1480	26	112	373	165A	291	501	165A	341	19
GREYBACK RESERVOIR	2F08	1550	02	76	194	151	204	351	114	228	48
ESPERON CR (UPPER)	2F13	1650	31	134	482	244	372	805	244	432	33
ISINTOK LAKE	2F11	1680	28	69	167	129	147	424	66	181	37
MUTTON CREEK NO. 1	WA07	1740	03	104	358	173	348	721	79	345*	61
MACDONALD LAKE	2F23	1740	27	157	540	272	411	677	257	441	25
MISSION CREEK	2F05P	1780	01	-	600	326	555	728	278	468	30
GRAYSTOKE LAKE	2F04	1810	04	107	405	196	380A	828	196	412	32

MOUNT KOBALU	2F12	1810	29	104	320	220	264	602	105	322	36
WHITEROCKS MOUNTAIN	2F09	1830	01	182	676	318	505	1021	318	584	47
SILVER STAR MOUNTAIN	2F10	1840	30	212	827	464	892	1115	414	726	43

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SIMILKAMEEN

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BROOKMERE	1C01	980	30	68	180	146	86	399	86	211	57
FREEZEOUT CREEK TRAIL	WA11	1070	27	107	353	117	295	665	8	305*	57
LIGHTNING LAKE	3D02	1220	02	100	330	175	290	622	140	315	54
HAMILTON HILL	2G06	1490	28	138	399	226	287	851	164	373	42
MISSEZULA MOUNTAIN	2G05	1550	29	89	254	152	172	516B	104	235	41
ISINTOK LAKE	2F11	1680	28	69	167	129	147	424	66	181	37
LOST HORSE MOUNTAIN	2G04	1920	Not Available			178	199	533	146E	235	39
BLACKWALL PEAK	2G03P	1940	01	-	1043	405	735	1494	400	841	34
HARTS PASS	WA09	1980	28	358	1430	587	1077	1725	541	1086*	59
HARTS PASS	WA09P	1980	01	-	1217	546	917	1770	546	1070*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COASTAL

*April 1, 2002*

## SOUTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09	880	02	399	1863	937	1826	3560A	285	1502	54
PALISADE LAKE	3A09P	880	Not Available			-	1680	1680	678	1179*	2
POWELL RIVER (LOWER)	3A05	910	02	207	842	508	972	1554	85	771	43
CHAPMAN CREEK	3A26	1022	28	387	1622	958	1728Z	1728Z	704	1310*	8
POWELL RIVER (UPPER)	3A02	1040	02	270	1090	791	1158	1813	467	1023	40
CALLAGHAN CREEK	3A20	1040	29	222	882	546	982	1604	192	973	25
DOG MOUNTAIN	3A10	1080	28	371	1622	746	1683	2720A	51	1261	57
GROUSE MOUNTAIN	3A01	1100	28	409	1752	930	1836	2670A	44	1263	66

ORCHID LAKE	3A19	1190	02	437	1895	1254	1999	3770A	980	1992	29
ORCHID LAKE	3A19P	1190	01	-	1836	1220	1990	3819	1220	1994*	15
UPPER SQUAMISH RIVER	3A25P	1340	01	-	1553	1039	1661	1853	1039	1620	11
NOSTETUKO RIVER	3A22P	1500	01	-	626	-	616	988	359	621*	11
UPPER MOSELY CREEK	3A24P	1650	01	-	263	201	216	567	155	299	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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\* - PERIOD OF RECORD AVERAGE

## VANCOUVER ISLAND

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WOLF RIVER (LOWER)	3B19	640	01	117	458	226	392	1198	0	403	30
TENNENT LAKE	3B22	950	Not Available			-	-	2830A	432	954	14
UPPER THELWOOD LAKE	3B10	980	01	357	1576	1126	1820	3200A	492	1591	42
MARGARET LAKE	3B21	1040	25	409	1734B	1434	2150	2570A	540	1874	24

WOLF RIVER (MIDDLE)	3B18	1070	01	189	666	392	666	1706	0	676	30
FORBIDDEN PLATEAU	3B01	1130	01	347	1484	1161	1652	3550A	413	1639	47
JUMP CREEK	3B23P	1160	01	-	1556	788	1451	1643	401	1091*	5
MOUNT COKELY	3B02A	1190	28	276	994	584	1040	2100A	331	873	22
SPROAT LAKE	3B20	1220	Not Available			1152	1738	2265	462	1653	24
WOLF RIVER (UPPER)	3B17P	1490	01	-	1250	948	1436	1878	796	1474	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## NORTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WEDEENE RIVER SOUTH	3C07	300	03	161	556	300A	424	733	36	323	18
TAHTSA LAKE	1B02	1300	27	359	1579	985	1264	1554	775	1117	49
TAHTSA LAKE	1B02P	1300	01	-	1597	1103	1198	1686	860	1296*	9
BURNT BRIDGE CREEK	3C08P	1330	01	-	1028	566	649	971	201	597*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**NORTH EAST***April 1, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	31	62	126	6	26	210	0	111	28
MACKENZIE A	4A19	700	31	74	200	142	184	361	0	223	30
PACIFIC LAKE	1A11	770	26	178	697	378	560	879	290	623	39
BULLHEAD MOUNTAIN	4A28	790	26	54	131	0T	0T	168	0T	118	17
PHILIP LAKE	4A13	980	27	101	330	176	281	423	176	288	39
WARE (LOWER)	4A04	980	28	87	239	154	187	316	112B	183	39
AIKEN LAKE	4A30P	1040	01	-	321	229	270	371	206	269*	15
TUTIZZI LAKE	4A06	1070	27	99	319	182	263	406	166	249	39
TSAYDAYCHI LAKE	4A12	1160	27	151	530	315	357	584	234	392	39
PINK MOUNTAIN	4A14	1170	03	54	114	19B	16	175	16	87	38
KAZA LAKE	1A12	1190	27	120	390	312	326	453	226	330	37
PULPIT LAKE	4A09	1310	28	146	480	399	379	556	297	400	39

FREDRICKSON LAKE	4A10	1310	27	102	271	206	181	351	163B	249	39
PULPIT LAKE	4A09P	1310	01	-	439	448	378	500	378	395	11
PINE PASS	4A02P	1400	01	-	1256	869	988	1530	869	1120	10
SIKANNI LAKE	4C01	1400	28	116	318	202	194	380	166	264	39
TRYGVE LAKE	4A11	1400	27	137	426	299	329	493	257	357	39
PINE PASS	4A02	1430	28	361	1440	996	1091	1562	668	1129	40
MORFEE MOUNTAIN	4A16	1450	26	246	987	627	724	1158	555	857	34
LADY LAURIER LAKE	4A07	1460	28	188	701	402	527	737	342	493	38
MOUNT SHEBA	4A18	1490	26	255	988	522	728	1146	495	815	33
GERMANSEN (UPPER)	4A05	1500	27	129	421	300	296	523	200	346	40
MOUNT STEARNS	4A21	1500	28	72	158	86	59	239	59	161	27
JOHANSON LAKE	4B02	1540	27	112	337	266	258	417	173	286	39
MONKMAN CREEK	4A20	1550	26	173	616	-	409	1067	347	626	23
WARE (UPPER)	4A03	1570	28	108	302	185	214	390	157	253	39
BULLMOOSE CREEK	4A31	1570	Not Available			354	414	698	312	513*	14
KWADACHA RIVER	4A27P	1620	01	-	345	259	323	446	240	332	17

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

# LIARD

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FORT NELSON A	4C05	380	01	70	150	44	46	198	23	105	36
WATSON LAKE A	YK01	700	29	82	188	114	97	229	71	124*	35
FRANCES RIVER	YK02	730	28	81	176	151	101	302	76	148*	25
DEASE LAKE	4C03	820	01	58	121	50A	60	259	50A	144	37
JADE CITY	4C15	940	26	86	218	-	-	-	-	-	0
SUMMIT LAKE	4C02	1280	27	61	108	-	0	240	0	122	34
DEADWOOD RIVER	4C09P	1300	01	-	113	128	88	283	70	150*	8
SIKANNI LAKE	4C01	1400	28	116	318	202	194	380	166	264	39

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

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\* - PERIOD OF RECORD AVERAGE

Banner

**NORTH WEST***April 1, 2002***STIKINE/TAKU****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SPEEL RIVER	AK03	80	28	213	800	386	673	1402	300	774*	33
TELEGRAPH CREEK	4D01	580	02	46	110	118	54	343	37	155	27
NINGUNSAW PASS	4B10	690	27	130	434	353	371	620	231	422	27
DEASE LAKE	4C03	820	01	58	121	50A	60	259	50A	144	37
ISKUT	4D02	1000	27	29	86	52	8	167	0	120	27
KINASKAN LAKE	4D11P	1020	01	-	349	311	344	570	256	368	11
TUMEKA CREEK	4D10P	1220	01	-	506	515	533	869	387	638	12
WADE LAKE	4D14P	1370	01	-	296	325	352	527	232	406	10

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**YUKON****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ATLIN LAKE	4E02A	730	29	56	139	101	80	197	50	117*	18
LOG CABIN	4E01	880	25	139	467B	440	412	596	213	331	42
PINE LK AIRSTRIP	YK03	1010	25	86	194B	199	196	351	122	222*	26
MONTANA MTN.	YK05	1020	25	66	144B	87	149	217A	84	137*	25
TAGISH	YK04	1080	27	64	142	102	120	177	73	132*	25
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**SKEENA/NASS****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TERRACE A	4B13A	180	03	59	194	96	18	333	0	79*	22
BEAR PASS	4B11A	460	03	173	604	519	610	900	408	773	18
NINGUNSAW PASS	4B10	690	27	130	434	353	371	620	231	422	27
GRANDUC MINE	4B12P	790	01	-	1815	-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	01	-	773	589	-	589	589	589*	1

MCKENDRICK CREEK	4B07	1050	26	101	311	210	221	427	183	297	34
TACHEK CREEK	4B06	1140	28	100	264	187	190	362	112	218	34
KAZA LAKE	1A12	1190	27	120	390	312	326	453	226	330	37
LU LAKE	4B15	1300	26	117	352	222	202	484	170	310	25
LU LAKE	4B15P	1310	01	-	398	-	154	308	154	229*	3
TSAI CREEK	4B17P	1360	01	-	1534	971	938	1208	938	1043*	4
KIDPRICE LAKE	4B01	1370	27	268	1169	817	768	1247	622	888	48
TRYGVE LAKE	4A11	1400	27	137	426	299	329	493	257	357	39
EQUITY MINE	4B14	1420	26	139	458	332	288	640	258	357	25
CHAPMAN LAKE	4B04	1460	26	165	577	384	406	762	315	461	37
SHEDIN CREEK	4B16P	1480	01	-	1005	919	900	1039	758	884*	6
HUDSON BAY MTN.	4B03A	1480	28	164	607	388	381	846	356	515	30
MOUNT CRONIN	4B08	1480	26	192	680	510	479	1097	433	624	33
JOHANSON LAKE	4B02	1540	27	112	337	266	258	417	173	286	39

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## Snowpack and Water Supply Outlook for British Columbia

May 1, 2002

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

[Basin  
Commentaries](#)

[-Upper Fraser](#)

[-Mid and Lower  
Fraser](#)

[-Thompson](#)

[-Columbia](#)

[-Kootenay](#)

[-Okanagan, Kettle,  
and Similkameen](#)

[-Coastal](#)

[-NorthEast](#)

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[Volume  
Forecasts](#)

Province-wide  
Synopsis

graphs

[B.C Summary](#)  
[Graphs of Snow](#)  
[Water Equivalents](#)

Snow surveys have been conducted at 155 snow courses in B.C. and 17 locations in surrounding jurisdictions. These, together with data from 58 snow pillows, and meteorological and streamflow data from Environment Canada, have been used in making the following analyses.

### Snowpack

The mountain snowpacks in most of the province are near normal. however, a belt from the Nechako River Basin and adjacent Skeena River across into the Peace River and Upper Fraser basins have above normal snowpacks, as well as the far southeast Kootenays. The cooler weather has delayed melt of some low elevation snowpacks, bringing them closer to 1961-1990 normals for May 1.

### Weather

Reports from selected valley bottom weather stations around the province indicate that mean monthly temperatures throughout the province were near normal in the south to below normal (2 to 4 degrees C) during April. Precipitation was more

[2002 groundwater graphs](#)

[2002 ASP graphs](#)

[Corrected or previously unpublished data](#)

variable, varying from below normal in the Northeast to far above normal in the Nechako and Upper Fraser.

## Outlook

Links to forecasts of seasonal volume runoff are included in the following text. These forecasts are calculated using statistical regression techniques and assume that the weather from the forecast date forward will be normal. Given normal weather during melt, flows in major rivers should not be extreme, however the Skeena, Upper Fraser, and Peace will likely experience fairly high flows. It is too early to predict peak flows on BC rivers, as actual peaks reached will depend on the weather patterns during May and June, but rivers and lakes are unlikely to reach damaging levels unless there are very abnormal conditions. Short term flood level forecasts will be posted as necessary at the [Current Runoff Conditions](#) page.

Snow Survey Bulletins for 1997, 1998, 1999, 2000, 2001 and earlier in 2002 are available through the [archives](#).



Upper Fraser & Nechako Basins

[graphs](#)  
[Data](#)  
[Graphs](#)

[Snow Survey Data Measurements](#)

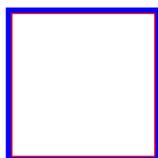
## May 1, 2002

Mean monthly temperatures were over 2 degrees C lower than normal at Prince George during April. Regional precipitation during April was far above normal, raising cumulative seasonal totals at Prince George to near normal and at Ft St James to above normal.

Due to the higher precipitation and cooler weather, the snow water equivalent index in the Upper Fraser has risen to 124% of normal for May 1. In the Nechako basin the overall snow water index is 136%, with the highest values measured in the area draining into the Nechako reservoir, with over half the stations reporting period of record (approximately 10 years) readings.

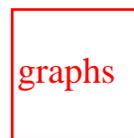
Regional run off as indicated by mean flow in the Fraser River near Marguerite

during April was 91% of normal.



[Seasonal Runoff  
Forecasts for the Fraser  
and Thompson Basins](#)

Middle and Lower  
Fraser



[Data  
Graphs](#)



[Snow Survey  
Data  
Measurements](#)

May 1, 2002

The mean monthly temperature in Quesnel was slightly below normal during April. Monthly precipitation was well above normal, raising cumulative seasonal precipitations there to near normal.

Middle Fraser snowpacks are slightly (9%) above normal for May 1.

Abbotsford mean temperature was near normal during April. Seasonal precipitation since November is normal. Snow water index for the Lower Fraser is at 113% of normal, however the lower mainland mountain snowpacks are over 20% above the usual for May 1.

Lower elevation Fraser basin snowpacks are slightly above normal for May 1.

The monthly flow of the Fraser River at Hope, reflecting lower overall basin temperatures for much of the month, was only 67% of usual April flows.



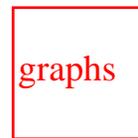
[2002  
Hydrograph of  
the Fraser  
River at Hope](#)



[Seasonal Runoff  
Forecasts for the  
Fraser and  
Thompson Basins](#)



## Thompson Basin



[Data](#)  
[Graphs](#)



[Snow Survey](#)  
[Data](#)  
[Measurements](#)

May 1, 2002

Mean monthly temperature for April was slightly lower than normal in the North Thompson basin, (Blue River) despite a warmer third week. Precipitation was above normal, bringing cumulative seasonal precipitation since November to normal. The South Thompson, as indicated by Kamloops weather data, had near normal temperatures and less precipitation than usual.

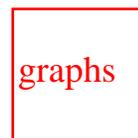
The South Thompson snowpacks are slightly above normal for May 1, (19%), with the North Thompson snowpacks slightly smaller.

Regional runoff, as represented by the mean monthly flow in the Thompson River at Spences Bridge, was 97% of usual.



[Seasonal Runoff](#)  
[Forecasts for the Fraser](#)  
[and Thompson Basins](#)

## Columbia Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

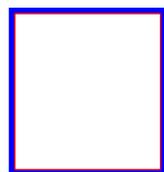
May 1, 2002

Mean monthly temperatures as measured at Revelstoke were slightly lower than

normal during April. Above normal precipitation during April raised cumulative seasonal precipitation totals to normal.

Snowpack accumulations as measured by the snow water index for the region overall were 114% of May 1 normal, however snowpacks vary within the region, from higher than normal in the area north of Revelstoke, to very slightly below normal in the Lower Columbia.

Regional monthly runoff as indicated by the Columbia River at Donald was 127% of normal over April.



[Seasonal Runoff  
Forecasts for the  
Columbia, Kootenay &  
Okanagan Basins](#)



Kootenay Basin

[graphs  
Data  
Graphs](#)

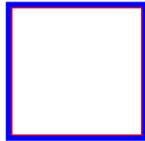
  
[Snow Survey  
Data  
Measurements](#)

May 1, 2002

Mean monthly temperatures as measured at Cranbrook were slightly below normal during April. April and seasonal cumulative precipitation to May 1 are both normal.

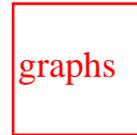
While the overall Kootenay Basin snow water index is slightly above normal for May 1, snowpacks vary from near to just slightly below normal in the West Kootenays, to 20 to 30% above normal in the south-east area (Elk River).

The regional runoff as indicated by the mean flow in the Kootenay River at Fort Steele during March were only 67% of normal.



[Seasonal Runoff  
Forecasts for the  
Columbia, Kootenay &  
Okanagan Basins](#)

Okanagan, Kettle,  
and Similkameen  
Basins



[Data  
Graphs](#)



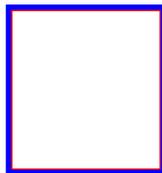
[Snow Survey  
Data  
Measurements](#)

May 1, 2002

April monthly mean temperatures and precipitation in the region were near normal. November through April cumulative precipitation is above normal.

The Okanagan-Kettle snow water index is 112% of normal for May 1, the Similkameen basin index slightly higher at 121% of normal.

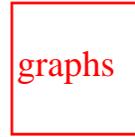
Okanagan Lake levels are very slightly below normal for May 1, despite increased April inflows.



[Seasonal Runoff  
Forecasts for the  
Columbia, Kootenay &  
Okanagan Basins](#)



## Coastal Region & Vancouver Island



[Data](#)  
[Graphs](#)



[Snow Survey](#)  
[Data](#)  
[Measurements](#)

May 1, 2002

April precipitation was slightly above normal on the South Coast, bringing cumulative seasonal precipitation to May 1 to near normal. The monthly mean temperature during April was normal.

On Vancouver Island, snow accumulation for May 1 is variable, slightly above normal on the south Island, slightly below normal on the northern half of the Island. On the South Coast, the regional water equivalent index is normal, however extreme southern portions have a higher than normal snowpack.

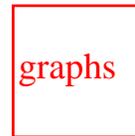
Natural runoff as indicated by the inflow to Upper Campbell Lake during April was 97% of normal.



[Seasonal Runoff](#)  
[Forecasts for Coastal](#)  
[Basins](#)



## North East Region



[Data](#)  
[Graphs](#)



[Snow Survey](#)  
[Data](#)  
[Measurements](#)

May 1, 2002

Mean monthly temperatures in the northeastern region of the province during April were around 4 degrees C below normal. April precipitation was low, bringing cumulative seasonal totals down to near normal.

Snowpacks in the Liard basin are slightly above normal, however the Peace basin has well above normal snow.

The regional runoff as indicated by the inflow to Williston Lake was 85% of usual flows.



[Seasonal Runoff  
Forecasts for Northern  
Basins](#)

NorthWest Region



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

May 1, 2002

Mean monthly temperatures throughout the region during April were again well below normal. April precipitation at Smithers was far above normal, bringing cumulative seasonal precipitation since November 1 to above normal.

In the Skeena and Nass basins the overall snow water index is 129% of normal, a record since the index has been kept. However, the Nass appears to have only slightly above normal snowpacks, with the index being pushed up by much higher than normal snowpacks in the Skeena basin. Individual long term stations in the Skeena are reporting from 30% to 60% above normal for May 1.

Stikine snowpack, from very few measurements, appears to be slightly below normal.

Runoff as indicated by monthly mean flow in the Skeena River at Usk, was low at 76% of normal, due to generally colder temperatures.



[Seasonal Runoff  
Forecasts for Northern  
Basins](#)

Banner

# UPPER and MIDDLE FRASER

*May 1, 2002*

## UPPER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	25	169	745	361	434	950	93	558	37
BURNS LAKE	1A16	800	30	24	60	-	-	148	0	12*	29
PHILIP LAKE	4A13	980	26	98	320	127	174	406	0	228	38
HEDRICK LAKE	1A14	1100	25	193	875	460	576	1090A	263	682	35
HEDRICK LAKE	1A14P	1100	01	-	1054	585	836	836	585	711*	2
BIRD CREEK	1A23	1180	29	45	184	68	0	82	0	24*	12
KAZA LAKE	1A12	1190	26	118	403	308	342	470	201	337	36
LU LAKE	4B15	1300	30	120	426	198	155A	444	155A	279	22
FORFAR CREEK (UPPER)	1A24	1410	29	202	802	466	490	790	462	585*	8
EQUITY MINE	4B14	1420	30	148	560	284	264	620	212	345	24
MOUNT SHEBA	4A18	1490	25	277	1191	609	832	1251	503	865	33
BARKERVILLE	1A03P	1520	01	-	405	236	300	604	169	376	25
KNUDSEN LAKE	1A15	1580	25	264	1107	656	837	1346A	501	918	33
MC BRIDE (UPPER)	1A02	1580	27	140	469	271	395	790	241	476	34

NARROW LAKE	1A21	1650	27	271	1063	779	921	1414	648	1015	27
REVOLUTION CREEK	1A17P	1690	01	-	1105	495	834	1211	495	877	16
LONGWORTH (UPPER)	1A05	1740	25	287	1236	688	834	1476A	391	861	49
DOME MOUNTAIN	1A19	1820	27	263	1033	624	741	1138	452	889	29
MARMOT JASPER	AL12	1830	30	96	292	142	239	401	0	229*	30
YELLOWHEAD	1A01	1860	27	168	578	321	516	805A	318	547	51
YELLOWHEAD	1A01P	1860	01	-	735	398	623	836	364	524*	5
HOLMES RIVER	1A18	1900	27	230	917	526	826	1140	518	838	31

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## NECHAKO

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02	1300	29	356	1628	1110	1184	1770	701	1202	50
TAHTSA LAKE	1B02P	1300	01	-	1798	1231	1262	1753	866	1344*	9
KIDPRICE LAKE	4B01	1370	29	279	1265	873	690	1367	551	919	50
MOUNT PONDOSY	1B08P	1400	01	-	1277	741	-	1021	546	801*	8
MOUNT WELLS	1B01	1490	29	172	721	419	363	958	309	530	47

NUTLI LAKE	1B07	1490	29	189	806	422	384	693	331	500*	11
MOUNT WELLS	1B01P	1490	01	-	789	488	405	792	405	590	10
MOUNT SWANNELL	1B06	1620	29	123	457	282	215	450	109	289*	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## MIDDLE FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BROOKMERE	1C01	980	29	36	108	66	26	419	0	117	55
GRANITE MOUNTAIN	1C33	1150	30	34	136	14	19	75	0	22*	9
LAC LE JEUNE (LOWER)	1C07	1370	30	9	27	10	0	163	0	23*	44
BRIDGE GLACIER (LOWER)	1C39	1400	30	143	592	352	530	1018	352	652*	6
DEADMAN RIVER	1C32	1430	29	34	106	52	21	121	0	58	18
BRALORNE	1C14	1450	30	29	95	0	66	255	0	76	38
SHOVELNOSE MOUNTAIN	1C29	1450	01	43	170A	30	20	302	0	137	22
BOSS MOUNTAIN MINE	1C20P	1460	01	-	686	435	645	829	435	617	8
BRENDA MINE	2F18	1460	25	68	263	181	165A	526	0	234	33

BRENDA MINE	2F18P	1460	01	-	159	98	45	279	0	179	9
LAC LE JEUNE (UPPER)	1C25	1460	30	29	92	28	0	136	0	30*	29
HIGHLAND VALLEY	1C09A	1510	30	16	50	0	0	142	0	32	36
BARKERVILLE	1A03P	1520	01	-	405	236	300	604	169	376	25
HORSEFLY MOUNTAIN	1C13A	1550	02	125	552	372	432	676	136	430	31
GNAWED MOUNTAIN	1C19	1580	30	32	120	50	0T	241	0T	102	34
MOUNT TIMOTHY	1C17	1660	27	100	319	237	265	536	118	311	39
YANKS PEAK EAST	1C41P	1670	01	-	994	645	896	1039	645	866*	5
PENFOLD CREEK	1C23	1680	27	279	1223	710	1084	1420	710	1074	29
GREEN MOUNTAIN	1C12P	1780	01	-	1134	661	841	1341	661	957*	8
MCGILLIVRAY PASS	1C05	1800	30	150	675	458	502	1118	302	614	49
MISSION RIDGE	1C18P	1850	01	-	664	375	500	963	313	592	15
DOWNTON LAKE (UPPER)	1C38	1890	30	227	918	604	778	1340	604	919*	6
TYAUGHTON CREEK (NORTH)	1C40	1950	30	138	500	290A	310	806	290A	456*	6
BRALORNE (UPPER)	1C37	1980	30	184	742	518	662	1002	518	737*	6

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**MIDDLE and LOWER FRASER***May 1, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BROOKMERE	1C01	980	29	36	108	66	26	419	0	117	55
GRANITE MOUNTAIN	1C33	1150	30	34	136	14	19	75	0	22*	9
LAC LE JEUNE (LOWER)	1C07	1370	30	9	27	10	0	163	0	23*	44
BRIDGE GLACIER (LOWER)	1C39	1400	30	143	592	352	530	1018	352	652*	6
DEADMAN RIVER	1C32	1430	29	34	106	52	21	121	0	58	18
BRALORNE	1C14	1450	30	29	95	0	66	255	0	76	38
SHOVELNOSE MOUNTAIN	1C29	1450	01	43	170A	30	20	302	0	137	22
BOSS MOUNTAIN MINE	1C20P	1460	01	-	686	435	645	829	435	617	8
BRENDA MINE	2F18	1460	25	68	263	181	165A	526	0	234	33
BRENDA MINE	2F18P	1460	01	-	159	98	45	279	0	179	9
LAC LE JEUNE (UPPER)	1C25	1460	30	29	92	28	0	136	0	30*	29
HIGHLAND VALLEY	1C09A	1510	30	16	50	0	0	142	0	32	36
BARKERVILLE	1A03P	1520	01	-	405	236	300	604	169	376	25

HORSEFLY MOUNTAIN	1C13A	1550	02	125	552	372	432	676	136	430	31
GNAWED MOUNTAIN	1C19	1580	30	32	120	50	0T	241	0T	102	34
MOUNT TIMOTHY	1C17	1660	27	100	319	237	265	536	118	311	39
YANKS PEAK EAST	1C41P	1670	01	-	994	645	896	1039	645	866*	5
PENFOLD CREEK	1C23	1680	27	279	1223	710	1084	1420	710	1074	29
GREEN MOUNTAIN	1C12P	1780	01	-	1134	661	841	1341	661	957*	8
MCGILLIVRAY PASS	1C05	1800	30	150	675	458	502	1118	302	614	49
MISSION RIDGE	1C18P	1850	01	-	664	375	500	963	313	592	15
DOWNTON LAKE (UPPER)	1C38	1890	30	227	918	604	778	1340	604	919*	6
TYAUGHTON CREEK (NORTH)	1C40	1950	30	138	500	290A	310	806	290A	456*	6
BRALORNE (UPPER)	1C37	1980	30	184	742	518	662	1002	518	737*	6

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMMALLO RIVER WEST	3D01C	790	02	25	122	0	0	348	0	51*	10
BROOKMERE	1C01	980	29	36	108	66	26	419	0	117	55
CALLAGHAN CREEK	3A20	1040	27	154	744	496	904	1568	256	933	24

DISAPPOINTMENT LAKE	1D18P	1040	25	-	2000P	1298P	-	1920	1298P	1609*	2
DICKSON LAKE	1D16	1070	29	422	2122	1242	2020A	3180A	604	1529*	11
DOG MOUNTAIN	3A10	1080	29	312	1576	909	1587	2760A	122	1384	18
BEAVER PASS	WA12	1120	01	231	1146	226	592	1600	135	762*	53
KLESILKWA	3D03A	1130	29	79	355	0T	0T	752	0T	176	29
SPUZZUM CREEK	1D19P	1180	01	-	2070	1118	1834	2936P	1118	1963*	3
STAVE LAKE	1D08	1210	29	350	1719	999	1883	3120A	796	1747	35
WAHLEACH LAKE	1D09	1400	29	194	846	566	835	1417	177	735	35
WAHLEACH LAKE	1D09P	1400	01	-	1426	975	1466	1585	509	1043*	10
NAHATLATCH RIVER	1D10	1520	29	329	1655	897	1527	2720A	897	1539	34
EASY PASS	WA13	1580	Not Available			-	2616	3414	1072	2210*	29
CHILLIWACK RIVER	1D17P	1600	01	-	2111	1178	1695	2405P	925	1660	9
GREAT BEAR	1D15P	1660	01	-	2261	1091	1830	2487	1091	1674	10
TENQUILLE LAKE	1D06	1680	30	286	1352	885	1200	1814	676	1227	45
TENQUILLE LAKE	1D06P	1680	01	-	1256	780	-	780	780	780*	1
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKAGIT

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMALLO RIVER WEST	3D01C	790	02	25	122	0	0	348	0	51*	10
FREEZEOUT CREEK TRAIL	WA11	1070	30	53	246	23	71	658	0	180*	50
BEAVER PASS	WA12	1120	01	231	1146	226	592	1600	135	762*	53
KLESILKWA	3D03A	1130	29	79	355	0T	0T	752	0T	176	29

LIGHTNING LAKE	3D02	1220	02	62	251	123	172	599	24	255	30
HARTS PASS	WA09	1980	30	328	1582	632	1059	1847	531	1155*	58
HARTS PASS	WA09P	1980	01	-	1366	592	848	1669	592	1067	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**THOMPSON***May 1, 2002***NORTH THOMPSON****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	30	13	40	0	0T	265	0	22*	19
COOK CREEK	1E14P	1280	01	-	461	311	465	465	311	388*	2
COOK FORKS	1E06	1390	29	222	1044	596	835	1438	579	904	38
BOSS MOUNTAIN MINE	1C20P	1460	01	-	686	435	645	829	435	617	8
MOUNT COOK	1E02P	1550	01	-	1665	924	-	924	924	924*	1
MOUNT COOK	1E02A	1580	29	327	1460	905	1325	1758	905	1339	28
AZURE RIVER	1E08P	1620	01	-	1478	773	1339	1620	773	1280*	5
ADAMS RIVER	1E07	1720	30	220	926	578	834	1173	396	793	31
KOSTAL LAKE	1E10P	1770	01	-	1034	683	947	1256	683	921	17
NORTH CLEMINA CREEK	1E13	1860	27	249	1045	646	999	1115	579	886*	13

TROPHY MOUNTAIN	1E03A	1860	30	202	777	486	724	960	417	604	26
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SOUTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	29	49	223	144	208	496	0	233	44
ABERDEEN LAKE	1F01A	1310	01	1	3A	31	0	144	0	37	48
MONASHEE PASS	2E01	1370	01	66	252	185	293	505	67	305	44
BOULEAU LAKE	2F21	1400	27	79	268	162	180	488	95	320	30
ADAMS RIVER	1E07	1720	30	220	926	578	834	1173	396	793	31
KIRBYVILLE LAKE	2A25	1750	28	325	1526	865	1491	1797	770	1233	30
SILVER STAR MOUNTAIN	2F10	1840	28	208	917	525	868	1135	371	733	43
PARK MOUNTAIN	1F03P	1890	01	-	1047	665	1138	1343	653	956	17
ENDERBY	1F04	1900	02	280	1310	730	1325	1430	700	1085	39

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BROOKMERE	1C01	980	29	36	108	66	26	419	0	117	55
GRANITE MOUNTAIN	1C33	1150	30	34	136	14	19	75	0	22*	9
LAC LE JEUNE (LOWER)	1C07	1370	30	9	27	10	0	163	0	23*	44
BRIDGE GLACIER (LOWER)	1C39	1400	30	143	592	352	530	1018	352	652*	6
DEADMAN RIVER	1C32	1430	29	34	106	52	21	121	0	58	18
BRALORNE	1C14	1450	30	29	95	0	66	255	0	76	38
SHOVELNOSE MOUNTAIN	1C29	1450	01	43	170A	30	20	302	0	137	22
BOSS MOUNTAIN MINE	1C20P	1460	01	-	686	435	645	829	435	617	8
BRENDA MINE	2F18	1460	25	68	263	181	165A	526	0	234	33
BRENDA MINE	2F18P	1460	01	-	159	98	45	279	0	179	9
LAC LE JEUNE (UPPER)	1C25	1460	30	29	92	28	0	136	0	30*	29
HIGHLAND VALLEY	1C09A	1510	30	16	50	0	0	142	0	32	36
BARKERVILLE	1A03P	1520	01	-	405	236	300	604	169	376	25
HORSEFLY MOUNTAIN	1C13A	1550	02	125	552	372	432	676	136	430	31
GNAWED MOUNTAIN	1C19	1580	30	32	120	50	0T	241	0T	102	34

MOUNT TIMOTHY	1C17	1660	27	100	319	237	265	536	118	311	39
YANKS PEAK EAST	1C41P	1670	01	-	994	645	896	1039	645	866*	5
PENFOLD CREEK	1C23	1680	27	279	1223	710	1084	1420	710	1074	29
GREEN MOUNTAIN	1C12P	1780	01	-	1134	661	841	1341	661	957*	8
MCGILLIVRAY PASS	1C05	1800	30	150	675	458	502	1118	302	614	49
MISSION RIDGE	1C18P	1850	01	-	664	375	500	963	313	592	15
DOWNTON LAKE (UPPER)	1C38	1890	30	227	918	604	778	1340	604	919*	6
TYAUGHTON CREEK (NORTH)	1C40	1950	30	138	500	290A	310	806	290A	456*	6
BRALORNE (UPPER)	1C37	1980	30	184	742	518	662	1002	518	737*	6

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COLUMBIA

*May 1, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DOWNIE SLIDE (LOWER)	2A27	980	28	128	620	292	-	910	0	638	24
GLACIER	2A02	1250	25	160	718	538	722	1247	320	719	56
SUNWAPTA FALLS	AL11	1400	30	46	183	71	163	389	0	147*	31
VERMONT CREEK	2A19	1520	29	97	407	150	292	1026	140	447	36
AZURE RIVER	1E08P	1620	01	-	1478	773	1339	1620	773	1280*	5
DOWNIE SLIDE (UPPER)	2A29	1630	28	354	1758	802	1662	2242	802	1314	23
KIRBYVILLE LAKE	2A25	1750	28	325	1526	865	1491	1797	770	1233	30
MOUNT REVELSTOKE	2A06P	1830	01	-	1520	924	1497	1625	874	1324	9
NORTH CLEMINA CREEK	1E13	1860	27	249	1045	646	999	1115	579	886*	13

FIDELITY MOUNTAIN	2A17	1870	26	345	1554	869	1585	1986	817	1347	39
BEAVERFOOT	2A11	1890	29	67	208	58	177	495	58	225	41
KEYSTONE CREEK	2A18	1890	28	216	937	514	1011	1421	514	879	36
BUSH RIVER	2A23	1920	28	241	1011	492	981	1392	492	892	34
NIGEL CREEK	AL10	1920	30	148	521	231	483	752	207	426*	32
GOLDSTREAM	2A16	1920	28	338	1457	861	1487	1781	850	1204	39
MOLSON CREEK	2A21P	1980	01	-	1358	746	1050	1375E	746	1093	19
MOUNT ABBOT	2A14	1980	30	358	1618	-	1607	1811	853	1383	41
SUNBEAM LAKE	2A22	2010	28	261	1108	611	1098	1562	611	990	35
BOW SUMMIT II	AL07A	2080	30	143	470	213	419	597	201	379*	22
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERGUSON	2D02	880	26	89	405	270	426	773	160	430	56
FARRON	2B02A	1220	29	34	145	136	245	406	23	235	29
MONASHEE PASS	2E01	1370	01	66	252	185	293	505	67	305	44
WHATSHAN (UPPER)	2B05	1480	01	116	492	375	625	983	255	587	41

BARNES CREEK	2B06	1620	01	114	455	357	521	742	211	499	41
BARNES CREEK	2B06P	1620	01	-	536	360	626	818	360	573*	9
ST. LEON CREEK	2B08	1800	01	337	1537	816	1344	1974	816	1307	35
ST. LEON CREEK	2B08P	1800	01	-	1463	701	1219	1501	701	1193	8
KOCH CREEK	2B07	1860	01	175	785	519	845	1201	391	808	41
RECORD MOUNTAIN	2B09	1890	30	185	857	435	871	1278	157	823	27
EAST CREEK	2D08P	2030	01	-	975	480	980	1346	480	907	20

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# KOOTENAY

*May 1, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	28	66	289	112	122	541	0	230	50
SINCLAIR PASS	2C01	1370	27	22	52	0	54	246	0	59	56
BRUSH CREEK TIMBER	MT03	1520	25	28	96	81	25	417	0	144*	51
MARBLE CANYON	2C05	1520	25	102	359	125	285	612	102	296	55
SULLIVAN MINE	2C04	1550	27	73	258	144	155	518	0	262	56
WEASEL DIVIDE	MT02	1660	02	201	970	416	787	1422	348	836*	62
KIMBERLEY (MIDDLE) V O R	2C12	1680	26	70	237	132	122	483	0	238	33
BANFIELD MOUNTAIN	MT05P	1710	01	-	478	277	350	884	213	465	5

MOUNT JOFFRE	2C16	1750	29	147	540	184	359	772	180	370	33
MORRISSEY RIDGE	2C09Q	1800	01	-	1054	454	518	1345	317	784	16
RED MOUNTAIN	MT04	1830	30	117	516	279	333	841	0	441*	64
MOYIE MOUNTAIN	2C10P	1930	01	-	480	286	258	674	18	347*	22
HAWKINS LAKE	MT06P	1970	01	-	798	409	508	1041	409	772	5
ALLISON PASS	AL01	1980	Not Available			339	373	838	287	469*	15
WILKINSON SUMMIT (BUSH)	AL03	1980	01	82	262	174	157	279	23	183*	13
THUNDER CREEK	2C17	2010	29	112	349	185	242	556	163	297	33
FLOE LAKE	2C14	2090	29	229	934	497	920	1369	497	820	33
FLOE LAKE	2C14P	2090	01	-	886	491	893	1035	481	726	7
KIMBERLEY (UPPER) V O R	2C11	2140	26	150	518	260	358	935	188	538	33
HIGHWOOD SUMMIT (BUSH)	AL02	2210	Not Available			330	493	726	221	458*	37
MOUNT ASSINIBOINE	2C15	2230	29	185	675	339	683	930	339	586	33
SUNSHINE VILLAGE	AL05	2230	30	203	767	345	650	1092	338	635*	35

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## WEST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERGUSON	2D02	880	26	89	405	270	426	773	160	430	56
NELSON	2D04	930	01	38	154	152	235	508	0	171	46
SANDON	2D03	1070	30	18	112	0T	0	399	0T	103	53
CHAR CREEK	2D06	1310	01	99	431	259	514	838	79	484	35
BUNCHGRASS MEADOW	WA01	1520	Not Available			-	-	1219	165	665*	55
BUNCHGRASS MEADOW	WA01P	1520	01	-	770	483	808	1224	483	683	5
GRAY CREEK (LOWER)	2D05	1550	Not Measured			387	424	726	229	471	53
KOCH CREEK	2B07	1860	01	175	785	519	845	1201	391	808	41
MOUNT TEMPLEMAN	2D09	1860	29	266	1170	731	1216	1679	731	1167	34
GRAY CREEK (UPPER)	2D10	1910	Not Measured			596	714	1300	518	856	33
EAST CREEK	2D08P	2030	01	-	975	480	980	1346	480	907	20
REDFISH CREEK	2D14P	2104	01	-	1706	-	-	-	-	-	0
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**KETTLE, OKANAGAN and SIMILKAMEEN***May 1, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	29	34	145	136	245	406	23	235	29
CARMI	2E02	1250	28	1	4	0	0	173	0	36	38
MONASHEE PASS	2E01	1370	01	66	252	185	293	505	67	305	44
BIG WHITE MOUNTAIN	2E03	1680	28	132	542	346	496	762	237	474	36
GRANO CREEK	2E07P	1860	01	-	683	420	570	806	420	594*	4
BLUEJOINT MOUNTAIN	2E06	2040	01	171	768	379	752	1201	287	784	26

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**OKANAGAN**

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SUMMERLAND RESERVOIR	2F02	1280	29	21	87	12	37	368	0	141	37
ABERDEEN LAKE	1F01A	1310	01	1	3A	31	0	144	0	37	48
OYAMA LAKE	2F19	1340	30	20	68	94	29	185	0	66	32
POSTILL LAKE	2F07	1370	30	43	156	167	118	282	0	144	50
BOULEAU LAKE	2F21	1400	27	79	268	162	180	488	95	320	30
TROUT CREEK	2F01	1430	25	36	134	0	3E	386	0	110	54
BRENDA MINE	2F18	1460	25	68	263	181	165A	526	0	234	33
BRENDA MINE	2F18P	1460	01	-	159	98	45	279	0	179	9
ISLAHT LAKE	2F24	1480	29	82	302	168	193	433	66	271	20
GREYBACK RESERVOIR	2F08	1550	30	46	146	187	92	386	0	190	30
ESPERON CR (UPPER)	2F13	1650	28	121	496	234	336	805	119	385	32
ISINTOK LAKE	2F11	1680	30	40	122	94	63	437	0	142	37
MACDONALD LAKE	2F23	1740	25	138	555	332	344	650	198	441	25
MISSION CREEK	2F05P	1780	01	-	630	424	604	784	140	468	30
GRAYSTOKE LAKE	2F04	1810	Not Available			240	386	940	120	431	31
MOUNT KOBAN	2F12	1810	28	91	311	236	203	597	53	333	36
WHITEROCKS MOUNTAIN	2F09	1830	25	166	666	320	435	1013	175	529	31
SILVER STAR MOUNTAIN	2F10	1840	28	208	917	525	868	1135	371	733	43
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**SIMILKAMEEN****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BROOKMERE	1C01	980	29	36	108	66	26	419	0	117	55
FREEZEOUT CREEK TRAIL	WA11	1070	30	53	246	23	71	658	0	180*	50
LIGHTNING LAKE	3D02	1220	02	62	251	123	172	599	24	255	30
HAMILTON HILL	2G06	1490	01	84	351	135	138	838	0	302	42
MISSEZULA MOUNTAIN	2G05	1550	30	54	202	50	7	323	0	165	37
ISINTOK LAKE	2F11	1680	30	40	122	94	63	437	0	142	37
LOST HORSE MOUNTAIN	2G04	1920	30	89	300	197	162	554	64	248	41
BLACKWALL PEAK	2G03P	1940	01	-	1136	439	668	1566	375	886	34
HARTS PASS	WA09	1980	30	328	1582	632	1059	1847	531	1155*	58
HARTS PASS	WA09P	1980	01	-	1366	592	848	1669	592	1067	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COASTAL

*May 1, 2002*

## SOUTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09	880	25	344	1657	941	-	3600A	0	1595	48
PALISADE LAKE	3A09P	880	Not Available			1080	1268	1268	1080	1174*	2
CHAPMAN CREEK	3A26	1022	29	318	1658	1018	-	1710	756	1220*	7
CALLAGHAN CREEK	3A20	1040	27	154	744	496	904	1568	256	933	24
DOG MOUNTAIN	3A10	1080	29	312	1576	909	1587	2760A	122	1384	18
GROUSE MOUNTAIN	3A01	1100	29	354	1746	1048	1848	2870A	120	1303	52
ORCHID LAKE	3A19	1190	25	387	1867	1348	1879	3845A	900	2210	29
ORCHID LAKE	3A19P	1190	Not Available			1356	1966	3862	1058	2074*	16

UPPER SQUAMISH RIVER	3A25P	1340	01	-	1583	1088	1781	2760P	1088	1647	12
NOSTETUKO RIVER	3A22P	1500	01	-	656	-	573	917	207	545*	10
UPPER MOSELY CREEK	3A24P	1650	01	-	259	198	155	494	143	240	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## VANCOUVER ISLAND

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WOLF RIVER (LOWER)	3B19	640	29	46	184	0T	104	1118	0T	224	32
TENNENT LAKE	3B22	950	Not Available			690	-	1238Z	0	998	15
UPPER THELWOOD LAKE	3B10	980	29	293	1484	1248	1640	3560A	644	1672	41
MARGARET LAKE	3B21	1040	Not Available			-	2292	3840Z	632	2013	25
WOLF RIVER (MIDDLE)	3B18	1070	29	141	584	406	484	1652	0	611	31
FORBIDDEN PLATEAU	3B01	1130	29	292	1490	1237	1355	3500A	448	1688	45
JUMP CREEK	3B23P	1160	01	-	1564	833	1421	1545	360	1040*	5

MOUNT COKELY	3B02A	1190	30	213	1048	708	-	2062	274	912	21
SPROAT LAKE	3B20	1220	Not Available			1186	1809	3810Z	613	1746	26
WOLF RIVER (UPPER)	3B17P	1490	01	-	1234	1042	1500	1888	701	1388	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## NORTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
WEDEENE RIVER SOUTH	3C07	300	01	86	315	74	45A	599	0	99*	17
TAHTSA LAKE	1B02	1300	29	356	1628	1110	1184	1770	701	1202	50
TAHTSA LAKE	1B02P	1300	01	-	1798	1231	1262	1753	866	1344*	9
BURNT BRIDGE CREEK	3C08P	1330	01	-	1095	600	585	983	585	689*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**NORTH EAST***May 1, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	25	169	745	361	434	950	93	558	37
BULLHEAD MOUNTAIN	4A28	790	30	34	113	0	0	0	0	-	16
PHILIP LAKE	4A13	980	26	98	320	127	174	406	0	228	38
WARE (LOWER)	4A04	980	27	73	206	111	106	229	0	139	36
AIKEN LAKE	4A30P	1040	01	-	284	150	202	276	71	170*	15
TUTIZZI LAKE	4A06	1070	26	77	237	96	156	325	0	173	38
TSAYDAYCHI LAKE	4A12	1160	26	146	523	325	350	625	168	381	39
PINK MOUNTAIN	4A14	1170	29	36	91	3	3	151	0	48	38
KAZA LAKE	1A12	1190	26	118	403	308	342	470	201	337	36
FREDRICKSON LAKE	4A10	1310	26	96	269	241	190	358A	128	237	38
PULPIT LAKE	4A09P	1310	01	-	427	469	424	500	308	407	11
PULPIT LAKE	4A09	1310	27	135	460	452	404	560	287	417	37

PINE PASS	4A02P	1400	01	-	1378	975	1116	1537	975	1221	10
SIKANNI LAKE	4C01	1400	27	110	319	201	182	360	115	261	38
TRYGVE LAKE	4A11	1400	26	132	432	328	369	495	272	381	38
PINE PASS	4A02	1430	25	365	1640	1157	1185	1732	681	1222	41
MORFEE MOUNTAIN	4A16	1450	25	252	1059	689	776	1181A	410	830	31
LADY LAURIER LAKE	4A07	1460	27	190	701	429	601	747	305	529	39
MOUNT SHEBA	4A18	1490	25	277	1191	609	832	1251	503	865	33
GERMANSEN (UPPER)	4A05	1500	26	137	467	315	314	597	181	350	40
MOUNT STEARNS	4A21	1500	27	80	200	77	58	271	0	161	28
JOHANSON LAKE	4B02	1540	26	109	348	275	288	418	143	299	39
MONKMAN CREEK	4A20	1550	25	212	790	456	467	1016	329	649	24
BULLMOOSE CREEK	4A31	1570	Not Available			440	428	695	294	493*	14
WARE (UPPER)	4A03	1570	27	116	336	210	223	402	141	260	38
KWADACHA RIVER	4A27P	1620	01	-	371	289	-	476	259	370	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

# LIARD

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

WATSON LAKE A	YK01	700	30	40	116	51	74	145	0	33*	31
FRANCES RIVER	YK02	730	29	54	147	111	93	237	0	71*	25
DEASE LAKE	4C03	820	Not Available			0T	0T	178	0T	55	35
JADE CITY	4C15	940	Not Available			-	-	-	-	-	0
SUMMIT LAKE	4C02	1280	26	60	128	-	0	200A	0	44*	35
DEADWOOD RIVER	4C09P	1300	01	-	113	122	125	207	27	114*	8
SIKANNI LAKE	4C01	1400	27	110	319	201	182	360	115	261	38

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# NORTH WEST

*May 1, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SPEEL RIVER	AK03	80	Not Available		320	447	1240	51	655*	36	
NINGUNSAW PASS	4B10	690	02	75	317	262	197	547	0	254	26
DEASE LAKE	4C03	820	Not Available		0T	0T	178	0T	55	35	
KINASKAN LAKE	4D11P	1020	01	-	338	311	357	487	216	376	11
TUMEKA CREEK	4D10P	1220	01	-	495	543	573	838	411	578	12
WADE LAKE	4D14P	1370	01	-	304	374	392	546	187	405	10
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## YUKON

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
LOG CABIN	4E01	880	03	115	402	386	467	531	173	318	44
PINE LK AIRSTRIP	YK03	1010	30	69	203	150	212	327	89	186*	26
MONTANA MTN.	YK05	1020	29	53	160A	89	158	191	0	108*	26
TAGISH	YK04	1080	29	48	150A	87	117	205	0	104*	26
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKEENA/NASS

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BEAR PASS	4B11A	460	Not Available		370	519	859	256	637	17	
NINGUNSAW PASS	4B10	690	02	75	317	262	197	547	0	254	26
GRANDUC MINE	4B12P	790	01	-	1774	-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	01	-	761	585	-	585	585	585*	1
MCKENDRICK CREEK	4B07	1050	29	103	440	168	169	422	80	254	34
TACHEK CREEK	4B06	1140	29	102	313	136	156	318	69	174	32

KAZA LAKE	1A12	1190	26	118	403	308	342	470	201	337	36
LU LAKE	4B15	1300	30	120	426	198	155A	444	155A	279	22
LU LAKE	4B15P	1310	01	-	443	-	124	240	124	180*	3
TSAI CREEK	4B17P	1360	01	-	1853	1076	1046	1343	1046	1155*	4
KIDPRICE LAKE	4B01	1370	29	279	1265	873	690	1367	551	919	50
TRYGVE LAKE	4A11	1400	26	132	432	328	369	495	272	381	38
EQUITY MINE	4B14	1420	30	148	560	284	264	620	212	345	24
CHAPMAN LAKE	4B04	1460	29	182	708	367	416	749	308	485	36
HUDSON BAY MTN.	4B03A	1480	30	176	735	401	362	787	362	532	30
SHEDIN CREEK	4B16P	1480	01	-	1095	1005	1013	1140	791	978*	6
MOUNT CRONIN	4B08	1480	29	214	867	510	503	1125	422	670	33
JOHANSON LAKE	4B02	1540	26	109	348	275	288	418	143	299	39

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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## Snowpack and Water Supply Outlook for British Columbia

May 15, 2002

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

### Province-wide Synopsis

graphs

[B.C Summary](#)  
[Graphs of Snow](#)  
[Water Equivalents](#)

Snow surveys have been conducted at 34 snow courses in B.C. These, together with data from 59 snow pillows have been used in making the following analyses. The May 15 Snow Survey is a small sampling. No additional meteorological reports are available, so the precipitation graphs are not updated. Commentaries are necessarily brief.

### Snowpack

The mountain snowpacks in most of the province expressed as percent of normal are now above to well above normal for May 15 in most of BC. It should be noted that the increase of snow water equivalent expressed as a percentage of normal is largely due to a lack of melting rather than an increase in the snow volume. The exception to this is the Thompson basin, where actual snow water equivalent has increased slightly.

Deepest mountain snowpacks are still found in the Nechako River Basin and adjacent Skeena/Bulkley River, extending east into the Peace River and Upper Fraser basins, as well as in the extreme southeast Kootenays and northern

[Province-Wide Synopsis](#)

Basin Commentaries

[-Upper Fraser](#)

[-Mid and Lower Fraser](#)

[-Thompson](#)

[-Columbia](#)

[-Kootenay](#)

[-Okanagan, Kettle, and Similkameen](#)

[-Coastal](#)

[-NorthEast](#)

[-NorthWest](#)

[May 1 Volume Forecasts](#)

[2002 ASP graphs](#)

[ASP commentary](#)  
[2002 groundwater](#)

Columbia.

### Weather

The first half of May has seen generally cool, unsettled weather throughout the province. There have been no sustained periods of warm weather to cause substantial melting of the mid to high level snowpack.

### Outlook

Given normal weather during melt, flows in major rivers should not be extreme, however the Skeena, Upper Fraser, and Peace will likely experience fairly high flows. It is too early to predict peak flows on BC rivers, as actual peaks reached will depend on the weather patterns during the remainder of May and June. However, major rivers are unlikely to reach damaging levels unless there are abnormal weather conditions. Short term flood level forecasts will be posted as necessary at the [Current Runoff Conditions](#) page.

No volume forecasts are performed on May 15, however the links to May 1 volume forecasts are left in the following commentaries for reference.

Snow Survey Bulletins for 1997, 1998, 1999, 2000, 2001 and earlier in 2002 are available through the [archives](#).

Upper Fraser &  
Nechako Basins



[Snow Survey  
Data  
Measurements](#)

### May 15, 2002

The Upper Fraser snow water index is estimated to have increased from 124% to 135% of normal for this date. Based on a few readings, the Nechako snow index is also estimated to have increased, to 159% of normal for May 15. Although there have been some accumulations, much of these increases is due to lack of melt.

Regional runoff, as indicated by flow in the Fraser River near Marguerite, was slightly below during the first half of May.



Middle and Lower  
Fraser

-



[Snow Survey  
Data  
Measurements](#)

May 15, 2002

The absence of any prolonged warm spell during early May has delayed snowmelt, while slight accumulation has occurred at some stations. The Middle Fraser snow index is estimated to have risen to 120% from 109% of normal two weeks ago, while the Lower Fraser snow water index is estimated at 122% of normal, up from 113% on May 1. Most of this increase is due to delayed melt.

The flow of the Fraser River at Hope, reflecting lower overall basin temperatures for the past two weeks, has been slightly below normal.



[2002  
Hydrograph of  
the Fraser  
River at Hope](#)

Thompson Basin

-



[Snow Survey  
Data  
Measurements](#)

May 15, 2002

As in much of BC, a relatively cool first half of May has increased the snow water index in both the North and South Thompson, to 122% and 126% respectively. While delay of melt has caused some of the rise in the index, in the Thompson there has continued to be some actual accumulation of high elevation snow.

Regional runoff, as represented by the flow in the Thompson River at Spences Bridge, was slightly below normal during the last two weeks.

## Columbia Basin



[Snow Survey Data Measurements](#)

May 15, 2002

From the relatively few measurements taken at his sampling date, the snow water index for the region overall is up slightly to 117% of May 15 normal. Cooler temperatures have delayed snow melt in the region. Mountain snowpacks vary within the region, from higher than normal in the area north of Revelstoke, to near normal in the Lower Columbia.

Regional runoff as indicated by the Columbia River at Donald was well below normal during the first two weeks of May.

## Kootenay Basin



[Snow Survey Data Measurements](#)

May 15, 2002

The Kootenays have had a cool May, and snow melt is significantly delayed. The overall Kootenay Basin snow water index is above normal for May 15, at 129% of normal. This is mainly due to slow melt, not accumulation of more snow. Snowpacks vary from near normal in the West Kootenays, to well above normal in the south-east area (Elk River).

The regional runoff as indicated by the flow in the Kootenay River at Fort Steele during May were well below normal.

## Okanagan, Kettle, and Similkameen Basins



[Snow Survey  
Data  
Measurements](#)

**May 15, 2002**

The Okanagan-Kettle snow water index is up from 112% for May 1 to 132% of normal for May 15, the Similkameen basin index is also up from 121% May 1 to 138% of normal for May 15. This increase is mainly due to cool weather and delayed melt.

Okanagan Lake levels are near normal for May 15.

## Coastal Region & Vancouver Island



[Snow Survey  
Data  
Measurements](#)

**May 15, 2002**

On Vancouver Island, the snow water index for May 15 is slightly below normal. On the South Coast, the regional snow water equivalent index is normal, however extreme southern portions have a higher than normal snowpack. Some accumulations to the upper elevation snowpacks have occurred over the last two weeks, however the very slight rise in the index for the South Coast has been mainly due to the delayed melt common to all of BC over the last two weeks.

## North East Region



[Snow Survey  
Data  
Measurements](#)

May 15, 2002

No index value is available for the Liard basin at this sampling period. However the Peace basin appears to have had delayed melt due to cooler weather, and even some continued accumulations at upper elevations, over the last two weeks. The snow water index there is estimated at 142% of normal, up from 122% May 1.

## NorthWest Region



[Snow Survey Data  
Measurements](#)

May 15, 2002

From the few May 15 measurements, In the Skeena basin the snow pack continues well above normal, with the snow water index estimated at 156% of normal for this date. Based on very sparse data, the Nass and Stikine appear to have slightly above normal snow.

Runoff as indicated by flow in the Skeena River at Usk, was slightly below normal due to cooler temperatures over the last few weeks.



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# UPPER and MIDDLE FRASER

*May 15, 2002*

## UPPER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	10	155	694	249	371	728	0	358	27
HEDRICK LAKE	1A14P	1100	15	-	998	623	818	818	623	721*	2
BARKERVILLE	1A03P	1520	15	-	420	154	233	503	0	282	24
KNUDSEN LAKE	1A15	1580	10	233	1075	705	873	1205	359	873	27
MC BRIDE (UPPER)	1A02	1580	10	123	448	255	391	752	24	413	34
NARROW LAKE	1A21	1650	Not Measured			797	939	1375	489	993	27
REVOLUTION CREEK	1A17P	1690	15	-	1074	495	813	1161	228	757	16
LONGWORTH (UPPER)	1A05	1740	10	270	1172	768	868	1219	292	802	48
DOME MOUNTAIN	1A19	1820	10	238	999	682	761	1168	385	859	29
YELLOWHEAD	1A01P	1860	15	-	731	383	626	825	139	460*	5
HOLMES RIVER	1A18	1900	10	219	928	571	872	1125	359	813	32
A - SAMPLING PROBLEMS WERE ENCOUNTERED											

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NECHAKO****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	1765	1286	1241	1765	732	1236*	9
MOUNT PONDOSY	1B08P	1400	15	-	1198	680	543	960	314	627*	9
MOUNT WELLS	1B01P	1490	15	-	759	497	408	698	277	485	10

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	-	664	364	544	761	184	502	8
BRENDA MINE	2F18P	1460	15	-	17	0	0	125	0	11	9

LAC LE JEUNE (UPPER)	1C25	1460	15	6	20	-	-	67	0	17*	4
BARKERVILLE	1A03P	1520	15	-	420	154	233	503	0	282	24
MOUNT TIMOTHY	1C17	1660	12	90	330	218	245	466	0	225	33
YANKS PEAK EAST	1C41P	1670	15	-	1046	683	904	1125	398	798*	5
PENFOLD CREEK	1C23	1680	10	264	1223	805	1131	1400	585	1008	32
GREEN MOUNTAIN	1C12P	1780	15	-	1106	625	823	1366	573	856*	8
MISSION RIDGE	1C18P	1850	15	-	512	262	439	878	0	468	15
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**MIDDLE and LOWER FRASER***May 15, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	-	664	364	544	761	184	502	8
BRENDA MINE	2F18P	1460	15	-	17	0	0	125	0	11	9
LAC LE JEUNE (UPPER)	1C25	1460	15	6	20	-	-	67	0	17*	4
BARKERVILLE	1A03P	1520	15	-	420	154	233	503	0	282	24
MOUNT TIMOTHY	1C17	1660	12	90	330	218	245	466	0	225	33
YANKS PEAK EAST	1C41P	1670	15	-	1046	683	904	1125	398	798*	5
PENFOLD CREEK	1C23	1680	10	264	1223	805	1131	1400	585	1008	32
GREEN MOUNTAIN	1C12P	1780	15	-	1106	625	823	1366	573	856*	8
MISSION RIDGE	1C18P	1850	15	-	512	262	439	878	0	468	15

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**LOWER FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DISAPPOINTMENT LAKE	1D18P	1040	15	-	1930P	-	-	1652	1652	1652*	1
DOG MOUNTAIN	3A10	1080	15	307	1565	-	1583	2920Z	0	1311	16
SPUZZUM CREEK	1D19P	1180	15	-	2085	1069	1834	1834	1069	1452*	2
WAHLEACH LAKE	1D09P	1400	15	-	1436	942	1469	1624	335	915*	10
CHILLIWACK RIVER	1D17P	1600	15	-	2186	1166	1781	1781	764	1443	7
GREAT BEAR	1D15P	1660	15	-	2411	1114	1901	2436	1114	1524	10
TENQUILLE LAKE	1D06	1680	15	268	1328	875	1195	1875	625	1182	45
TENQUILLE LAKE	1D06P	1680	15	-	1211	765	-	765	765	765*	1

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**SKAGIT****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

HARTS PASS	WA09P	1980	15	-	1285	467	835	1748	467	952	5
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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# THOMPSON

*May 15, 2002*

## NORTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
COOK CREEK	1E14P	1280	15	-	308	143	345	345	143	244*	2
COOK FORKS	1E06	1390	15	191	924	498	-	1359	274	749	38
BOSS MOUNTAIN MINE	1C20P	1460	15	-	664	364	544	761	184	502	8
MOUNT COOK	1E02P	1550	15	-	1793	953	-	953	953	953*	1
MOUNT COOK	1E02A	1580	15	307	1544	992	-	1856	873	1292	26
AZURE RIVER	1E08P	1620	15	-	1406	806	1346	1665	806	1264*	5
ADAMS RIVER	1E07	1720	12	228	972	638	904	1158	280	745	30
KOSTAL LAKE	1E10P	1770	15	-	1058	709	981	1357	588	914	17
NORTH CLEMINA CREEK	1E13	1860	10	245	1060	683	1075	1177	536	859*	11

TROPHY MOUNTAIN	1E03A	1860	12	210	796	722	784	1114	301	642*	20
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SOUTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ADAMS RIVER	1E07	1720	12	228	972	638	904	1158	280	745	30
SILVER STAR MOUNTAIN	2F10	1840	13	194	895	515	892	1054	100	642	43
PARK MOUNTAIN	1F03P	1890	15	-	1090	699	1213	1321	474	916	17
ENDERBY	1F04	1900	14	291	1360	768	1326	1499	662	1099	39
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## MIDDLE FRASER

### Snow Survey Measurements

WATER EQUIVALENT (mm)
-----------------------

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
BOSS MOUNTAIN MINE	1C20P	1460	15	-	664	364	544	761	184	502	8
BRENDA MINE	2F18P	1460	15	-	17	0	0	125	0	11	9
LAC LE JEUNE (UPPER)	1C25	1460	15	6	20	-	-	67	0	17*	4
BARKERVILLE	1A03P	1520	15	-	420	154	233	503	0	282	24
MOUNT TIMOTHY	1C17	1660	12	90	330	218	245	466	0	225	33
YANKS PEAK EAST	1C41P	1670	15	-	1046	683	904	1125	398	798*	5
PENFOLD CREEK	1C23	1680	10	264	1223	805	1131	1400	585	1008	32
GREEN MOUNTAIN	1C12P	1780	15	-	1106	625	823	1366	573	856*	8
MISSION RIDGE	1C18P	1850	15	-	512	262	439	878	0	468	15

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# COLUMBIA

*May 15, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	15	-	1406	806	1346	1665	806	1264*	5
MOUNT REVELSTOKE	2A06P	1830	15	-	1567	969	1617	1777	700	1221	9
NORTH CLEMINA CREEK	1E13	1860	10	245	1060	683	1075	1177	536	859*	11
MOLSON CREEK	2A21P	1980	15	-	1335	795	1095	1375E	602	1036	19

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	15	7	32	27	133	222	0	111	22
BARNES CREEK	2B06P	1620	15	-	555	289	626	761	94	435*	9
ST. LEON CREEK	2B08P	1800	15	-	1481	653	1241	1568	639	987	8
RECORD MOUNTAIN	2B09	1890	14	157	818	397	884	1367	83	732	27
EAST CREEK	2D08P	2030	15	-	956	480	1036	1387	461	877	20
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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# KOOTENAY

*May 15, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	15	36	156	0	0	290	0	61	40
SULLIVAN MINE	2C04	1550	14	52	213	0	39	457	0	123	50
BANFIELD MOUNTAIN	MT05P	1710	15	-	373	112	267	569	0	305	4
MORRISSEY RIDGE	2C09Q	1800	15	-	1091	217	428	971	0	580	18
MOYIE MOUNTAIN	2C10P	1930	15	-	431	100	191	552	0	243*	21
HAWKINS LAKE	MT06P	1970	15	-	737	302	493	1067	178	706	5
FLOE LAKE	2C14P	2090	15	-	897	495	979	1088	304	597	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**WEST KOOTENAY****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CHAR CREEK	2D06	1310	15	80	358	120A	463	715	0	248	32
BUNCHGRASS MEADOW	WA01P	1520	15	-	678	310	732	1163	307	582	5
EAST CREEK	2D08P	2030	15	-	956	480	1036	1387	461	877	20
REDFISH CREEK	2D14P	2104	15	-	1748	-	-	-	-	-	0
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**KETTLE, OKANAGAN and SIMILKAMEEN***May 15, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FARRON	2B02A	1220	15	7	32	27	133	222	0	111	22
BIG WHITE MOUNTAIN	2E03	1680	15	118	512	282	514	732	0	400	36
GRANO CREEK	2E07P	1860	15	-	675	353	626	855	308	536*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**OKANAGAN****Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
TROUT CREEK	2F01	1430	Not Available			0	0	307	0	39	49
BRENDA MINE	2F18P	1460	15	-	17	0	0	125	0	11	9
GREYBACK RESERVOIR	2F08	1550	15	24	78	56	56	323	0	122	30
ISINTOK LAKE	2F11	1680	15	19	66	0	20	386	0	83	36
MISSION CREEK	2F05P	1780	15	-	638	368	645	829	0	399	30
MOUNT KOBAU	2F12	1810	12	86	306	193	210	516	0	260	35
WHITEROCKS MOUNTAIN	2F09	1830	14	141	618	243	461	968	0	402	31
SILVER STAR MOUNTAIN	2F10	1840	13	194	895	515	892	1054	100	642	43

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SIMILKAMEEN

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
MISSEZULA MOUNTAIN	2G05	1550	15	32	117	0	0	218	0	66	38
ISINTOK LAKE	2F11	1680	15	19	66	0	20	386	0	83	36
LOST HORSE MOUNTAIN	2G04	1920	Not Available			76	154	577	4	211	38

BLACKWALL PEAK	2G03P	1940	15	-	1110	341	638	1481	208	804	34
HARTS PASS	WA09P	1980	15	-	1285	467	835	1748	467	952	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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**COASTAL***May 15, 2002***SOUTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09P	880	Not Measured		-	1045	1045	1045	1045*	1	
DOG MOUNTAIN	3A10	1080	15	307	1565	-	1583	2920Z	0	1311	16
ORCHID LAKE	3A19	1190	15	370	1927	-	2043	3730A	774	1891	21
ORCHID LAKE	3A19P	1190	15	-	1899	1284	1968	2804	828	1868*	14
UPPER SQUAMISH RIVER	3A25P	1340	15	-	1526	1061	1796	1796	949	1515	11
NOSTETUKO RIVER	3A22P	1500	15	-	563	-	485	860	21	360*	10
UPPER MOSELY CREEK	3A24P	1650	15	-	236	94	146	402	0	114	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**VANCOUVER ISLAND****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
JUMP CREEK	3B23P	1160	15	-	1474	724	1391	1391	251	869*	5
WOLF RIVER (UPPER)	3B17P	1490	15	-	1103	1024	1548	1726	507	1318	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NORTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	1765	1286	1241	1765	732	1236*	9

BURNT BRIDGE CREEK	3C08P	1330	15	-	994	574	476	934	210	549*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

Banner

# NORTH EAST

*May 15, 2002*

## PEACE

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	10	155	694	249	371	728	0	358	27
AIKEN LAKE	4A30P	1040	15	-	168	0	52	188	0	41*	15
PULPIT LAKE	4A09P	1310	15	-	369	448	308	454	49	238*	11
PINE PASS	4A02P	1400	15	-	1393	1039	1067	1471	813	1134	10
KWADACHA RIVER	4A27P	1620	15	-	383	304	-	468	109	329	15

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LIARD

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
DEADWOOD RIVER	4C09P	1300	15	-	19	37	15	207	0	52*	8

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# NORTH WEST

*May 15, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
KINASKAN LAKE	4D11P	1020	15	-	259	238	250	411	0	169*	11
TUMEKA CREEK	4D10P	1220	15	-	458	506	442	771	195	409	12
WADE LAKE	4D14P	1370	15	-	296	380	337	427	0	290	10
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## YUKON

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
LOG CABIN	4E01	880	16	79	355	326	304	420	4	250*	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SKEENA/NASS

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
GRANDUC MINE	4B12P	790	15	-	1545	-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	15	-	653	514	-	514	514	514*	1
LU LAKE	4B15P	1310	15	-	416	-	15	225	11	84*	3
TSAI CREEK	4B17P	1360	15	-	1909	1159	1073	1403	953	1147*	4
HUDSON BAY MTN.	4B03A	1480	14	158	701	426	304	752	160	463	29
SHEDIN CREEK	4B16P	1480	15	-	1155	1114	1009	1159	660	948*	6

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**Banner**

## Snowpack and Water Supply Outlook for British Columbia

June 1, 2002

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

### Province-wide Synopsis

graphs

[B.C Summary](#)  
[Graphs of Snow](#)  
[Water Equivalents](#)

The June 1 snow survey is quite small as many lower level snow courses are normally snow free by this date and snow accumulation at upper elevations is generally over. Snow surveys have been conducted at 35 snow courses in B.C. and at 6 in adjacent jurisdictions. These measurements, together with data from 58 snow pillows, and climate data from Environment Canada, have been used in making the following analyses. Because of the limited sampling, commentaries are brief.

A very brief report will be issued about June 18 reporting on mid-June snow levels. For an update on freshet flows, go to our Current Runoff Conditions page.

### Snowpack

The June 1 mountain snowpacks in the province, expressed as a percent of normal

[Province-Wide  
Synopsis](#)

Basin  
Commentaries

[-Upper Fraser](#)

[-Mid and Lower  
Fraser](#)

[-Thompson](#)

[-Columbia](#)

[-Kootenay](#)

[-Okanagan, Kettle,  
and Similkameen](#)

[-Coastal](#)

[-NorthEast](#)

[-NorthWest](#)

[Corrected or  
previously  
unpublished data](#)

[ASP & Groundwater graphs](#)

snow water equivalent, are mostly above to well above normal depths for this date. The exceptions are the slightly below normal snowpacks on Vancouver Island, slightly above normal South Coast snowpacks, and the far above normal June 1 snowpacks of the Skeena, Peace, Nechako, and Upper Fraser. It should be noted that the increase of snow water equivalent index expressed as a percentage of normal is due to a lack of melting rather than an increase in snow since the May 15 Snow Bulletin.

### Weather

The month of May has seen generally cool, unsettled weather throughout the province. There have been no sustained periods of warm weather to cause substantial melting of the high level snowpack. A large rainstorm in mid-month, through much of the south and central interior, not only brought rivers up but left some new snow at higher elevations at the tail end of the storm.

### Outlook

Given normal weather during the remainder melt, flows in major rivers should be high, but not extreme. However, the Skeena, Upper Fraser, and Peace could still experience fairly high flows, and it is still possible to reach alert levels on the Fraser at Mission. Actual peaks reached will depend on the weather patterns during the next month or so. Major rivers are unlikely to reach damaging levels unless there is extensive heavy rainfall over that period, or sustained hot weather in the next few weeks. Short term flood level forecasts will be posted as necessary at the [Current Runoff Conditions](#) page.

No volume forecasts are performed on June 1, however the links to May 1 volume forecasts are left in the following commentaries for reference.

Snow Survey Bulletins for 1997, 1998, 1999, 2000, 2001 and earlier in 2002 are available through the [archives](#).

Upper Fraser & Nechako Basins

[graphs](#)  
[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

June 1, 2002

The Upper Fraser snow water index is estimated to have increased to 163% of normal for this date. Based on a few readings, the Nechako snow index is also estimated to have increased, to 165% of normal for June 1. These increases are due to a delay in melt, not accumulation. Many of the individual readings are records for this date. Monthly mean temperature was over a degree C below normal, while monthly precipitation was below normal in the Upper Fraser and above normal in the Nechako basin.

Regional runoff, as indicated by mean monthly flow in the Fraser River near Marguerite, was variable but overall normal during May.

Middle and Lower  
Fraser



[graphs](#)  
[Data](#)  
[Graphs](#)



[Snow Survey](#)  
[Data](#)  
[Measurements](#)

June 1, 2002

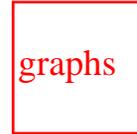
The absence of any prolonged warm spell during May has delayed snowmelt. The Middle Fraser snow index is estimated to have again risen, to 127% of normal, while the Lower Fraser snow water index is estimated at 133% of normal, up from 113% on May 1. This increase is due to delayed melt, not accumulation. Some record high readings for June 1 were measured in the Lower Fraser.

The mean monthly flow of the Fraser River at Hope has been slightly below normal, reflecting slightly cooler overall temperatures during May.



[2002](#)  
[Hydrograph of](#)  
[the Fraser](#)  
[River at Hope](#)

## Thompson Basin



[Data](#)  
[Graphs](#)



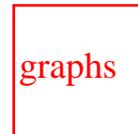
[Snow Survey](#)  
[Data](#)  
[Measurements](#)

June 1, 2002

As in much of BC, a cool May, (around 1.5 degrees C below normal mean monthly temperature), delaying melt, has again increased the snow water index in both the North and South Thompson, to 129% and 134% respectively. May precipitation was near normal in the North Thompson, but double normal in the South Thompson.

Regional runoff, as represented by the mean monthly flow in the Thompson River at Spences Bridge, was normal during May.

## Columbia Basin



[Data](#)  
[Graphs](#)



[Snow Survey Data](#)  
[Measurements](#)

June 1, 2002

From the relatively few measurements taken at his sampling date, the snow water index for the region overall is up slightly to 128% of June 1 normal. Cooler temperatures have delayed snow melt in the region. May precipitation as measured at Revelstoke was nearly double normal.

Regional runoff as indicated by the mean flow in the Columbia River at Donald was well below normal (62%) during May, reflecting the 1.5 degree C lower than normal mean monthly temperature.

## Kootenay Basin

graphs

[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

**June 1, 2002**

The Kootenays have had a very cool May, with monthly mean temperature of 2 degrees C below normal as measured at Cranbrook. The overall Kootenay Basin snow water index is well above normal for June 1, at 134% of normal. This is mainly due to a delayed melt, although some of the two and a half times normal May precipitation did stay as snow at higher elevations.

The regional runoff was variable, but as indicated by the mean monthly flow in the Kootenay River at Fort Steele during May normal overall.

## Okanagan, Kettle, and Similkameen Basins

graphs

[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

**June 1, 2002,**

The Okanagan-Kettle snow water index is up from 112% for May 1 to 190% of normal for June 1, the Similkameen basin index is also up, from 121% May 1 to 161% of normal for June 1. These high numbers are not due to a huge snowpack (which peaked at near normal depths in mid-April) but to cool weather and delayed melt, which is usually substantially complete by this time.

Okanagan Lake levels are near normal for June 1, with slightly higher than normal outflows being required due to slightly higher than normal May precipitation.



## Coastal Region & Vancouver Island

graphs

[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

June 1, 2002

On Vancouver Island, the snow water index for June 1 is slightly below normal. On the South Coast, the regional snow water equivalent index is near normal. Both precipitation and mean monthly temperatures were below normal for May.

Regional runoff, as represented by the monthly inflow to Upper Campbell Lake, was normal in May.

## North East Region

graphs

[Data](#)  
[Graphs](#)

[Snow Survey](#)  
[Data](#)  
[Measurements](#)

June 1, 2002

No index value is available for the Liard basin at this sampling period. The Peace basin appears to have had delayed melt due to much cooler May weather. The snow water index there, due to this delay, is estimated at 179% of normal, up from 122% May 1.

Regional runoff, as represented by the monthly inflow to Williston Lake, was normal during May.



## NorthWest Region

[graphs](#)

[Data](#)  
[Graphs](#)

[Snow Survey Data](#)  
[Measurements](#)

**June 1, 2002**

From the few June 1 measurements, in the Skeena basin the snow pack is far above normal, with the snow water index estimated at double the normal for this date. While snow melt was delayed by cooler than normal May weather, precipitation during May was nearly twice normal.

Runoff as indicated by mean monthly flow in the Skeena River at Usk, was slightly above normal during May, reflecting the high precipitation but slow melt.



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**UPPER and MIDDLE FRASER***June 1, 2002***UPPER FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	27	87	411	0	0	348	0	75*	28
HEDRICK LAKE	1A14P	1100	01	-	1380	296	383	383	296	340*	2
BIRD CREEK	1A23	1180	03	No Snow	0	0	0	0	0	-	8
BARKERVILLE	1A03P	1520	01	-	240	0	8	291	0	120	18
KNUDSEN LAKE	1A15	1580	27	198	1017	610	783	1039	0	762	27
MC BRIDE (UPPER)	1A02	1580	27	88	370	0T	281	592	0T	266	34
NARROW LAKE	1A21	1650	27	224	1093	728	827	1339	116	855	28
REVOLUTION CREEK	1A17P	1690	01	-	935	334	752	820	0	514	17
LONGWORTH (UPPER)	1A05	1740	27	229	1116	698	802	1194	0	630	45
DOME MOUNTAIN	1A19	1820	27	198	966	616	709	1062	0	760	30
YELLOWHEAD	1A01P	1860	01	-	645	263	581	857	0	387*	5
HOLMES RIVER	1A18	1900	27	182	874	562	825	1029	84	748	31

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NECHAKO****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SKINS LAKE	1B05	880	03	No Snow	0	0	0	0	0	-	13
TAHTSA LAKE	1B02	1300	03	262	1385	1099	995	1651	535	971	27
TAHTSA LAKE	1B02P	1300	01	-	1548	1219	1042	1576	277	938*	9
KIDPRICE LAKE	4B01	1370	03	203	1177	822	532	1209	0	680	27
MOUNT PONDOSY	1B08P	1400	01	-	951	509	305	689	0	284*	9
MOUNT WELLS	1B01	1490	03	107	556	317	208	488	0	238	25
NUTLI LAKE	1B07	1490	03	119	615	321	341	594	0	233*	11
MOUNT WELLS	1B01P	1490	01	-	607	366	219	463	0	298	10
MOUNT SWANNELL	1B06	1620	03	85	346	202	191	350Z	0	113*	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER**

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	01	-	353	83	270	435	0	248	8
BRENDA MINE	2F18P	1460	01	No Snow	0	0	0	0	0	-	8
BARKERVILLE	1A03P	1520	01	-	240	0	8	291	0	120	18
MOUNT TIMOTHY	1C17	1660	27	54	210	0	67B	332	0	63*	34
YANKS PEAK EAST	1C41P	1670	01	-	911	476	690	1016	476	684*	4
PENFOLD CREEK	1C23	1680	27	221	1157	680	1007	1354	353	849	31
GREEN MOUNTAIN	1C12P	1780	01	-	905	363	600	1183	229	601*	8
MISSION RIDGE	1C18P	1850	01	-	229	0	152	573	0	151	14
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

Banner

**MIDDLE and LOWER FRASER***June 1, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	01	-	353	83	270	435	0	248	8
BRENDA MINE	2F18P	1460	01	No Snow	0	0	0	0	0	-	8
BARKERVILLE	1A03P	1520	01	-	240	0	8	291	0	120	18
MOUNT TIMOTHY	1C17	1660	27	54	210	0	67B	332	0	63*	34
YANKS PEAK EAST	1C41P	1670	01	-	911	476	690	1016	476	684*	4
PENFOLD CREEK	1C23	1680	27	221	1157	680	1007	1354	353	849	31
GREEN MOUNTAIN	1C12P	1780	01	-	905	363	600	1183	229	601*	8
MISSION RIDGE	1C18P	1850	01	-	229	0	152	573	0	151	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**LOWER FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CALLAGHAN CREEK	3A20	1040	30	45	254	26	298	1228	0	424	18
DISAPPOINTMENT LAKE	1D18P	1040	01	-	1582P	-	-	1087	1087	1087*	1
DOG MOUNTAIN	3A10	1080	03	216	1187	455	1268	2480Z	56	999	15
BEAVER PASS	WA12	1120	29	107	579	0	236	1270	0	351*	8
SPUZZUM CREEK	1D19P	1180	01	-	1823	825	1504	1504	825	1165*	2
WAHLEACH LAKE	1D09P	1400	01	-	1225	716	1207	1359	0	631*	9
CHILLIWACK RIVER	1D17P	1600	01	-	1969	930	1583	1583	237	905	6
GREAT BEAR	1D15P	1660	01	-	2539	934	1766	2378	908	1179	10
TENQUILLE LAKE	1D06	1680	31	216	1128	745	1092	1790	365	1030	46
TENQUILLE LAKE	1D06P	1680	01	-	998	563	-	563	563	563*	1
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**SKAGIT****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

FREEZEOUT CREEK TRAIL	WA11	1070	30	No Snow		0	0	152	0	19*	9
BEAVER PASS	WA12	1120	29	107	579	0	236	1270	0	351*	8
HARTS PASS	WA09	1980	29	256	1445	338	815	1737	338	924*	10
HARTS PASS	WA09P	1980	01	-	993	76	572	1557	76	615	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

**THOMPSON***June 1, 2002***NORTH THOMPSON****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
COOK CREEK	1E14P	1280	01	No Snow	0	8	8	0	4*	2	
COOK FORKS	1E06	1390	30	123	628	164	594	1026	0	458	39
BOSS MOUNTAIN MINE	1C20P	1460	01	-	353	83	270	435	0	248	8
MOUNT COOK	1E02P	1550	01	-	1579	755	-	755	755	755*	1
MOUNT COOK	1E02A	1580	30	249	1301	770	1251	1744	377	1125	28
AZURE RIVER	1E08P	1620	01	-	1369	683	1196	1778	530	1094*	5
ADAMS RIVER	1E07	1720	01	168	834	470	752	1155	0	645	32
KOSTAL LAKE	1E10P	1770	01	-	984	638	972	1377	155	753	17
NORTH CLEMINA CREEK	1E13	1860	27	206	1040	535	1021	1135	318	768*	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**SOUTH THOMPSON****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
ADAMS RIVER	1E07	1720	01	168	834	470	752	1155	0	645	32
SILVER STAR MOUNTAIN	2F10	1840	29	166	845	350	715	980	0	409	43
PARK MOUNTAIN	1F03P	1890	01	-	1036	512	995	1269	296	811	16
ENDERBY	1F04	1900	30	255	1210	701	1282	1422	430	985	38

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

BOSS MOUNTAIN MINE	1C20P	1460	01	-	353	83	270	435	0	248	8
BRENDA MINE	2F18P	1460	01	No Snow		0	0	0	0	-	8
BARKERVILLE	1A03P	1520	01	-	240	0	8	291	0	120	18
MOUNT TIMOTHY	1C17	1660	27	54	210	0	67B	332	0	63*	34
YANKS PEAK EAST	1C41P	1670	01	-	911	476	690	1016	476	684*	4
PENFOLD CREEK	1C23	1680	27	221	1157	680	1007	1354	353	849	31
GREEN MOUNTAIN	1C12P	1780	01	-	905	363	600	1183	229	601*	8
MISSION RIDGE	1C18P	1850	01	-	229	0	152	573	0	151	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COLUMBIA

*June 1, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	01	-	1369	683	1196	1778	530	1094*	5
MOUNT REVELSTOKE	2A06P	1830	01	-	1699	857	1594	2063	240	995	9
NORTH CLEMINA CREEK	1E13	1860	27	206	1040	535	1021	1135	318	768*	13
MOLSON CREEK	2A21P	1980	01	-	1234	705	1031	1512	98	796	18
BOW SUMMIT II	AL07A	2080	29	91	350	0	239	414	0	162*	20
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## LOWER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BARNES CREEK	2B06P	1620	01	-	341	0	360	529	0	170*	9
ST. LEON CREEK	2B08P	1800	01	-	1466	428	998	1580	225	647	8
RECORD MOUNTAIN	2B09	1890	27	126	675	38	617	1073	0	526	27
EAST CREEK	2D08P	2030	01	-	938	315	943	1256	111	673	19
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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# KOOTENAY

*June 1, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SULLIVAN MINE	2C04	1550	29	No Snow	0	0	0	137	0	20*	19
BANFIELD MOUNTAIN	MT05P	1710	01	-	124	0	0	254	0	74	5
MORRISSEY RIDGE	2C09Q	1800	01	-	810	168	0	767	0	325	17
RED MOUNTAIN	MT04	1830	Not Available			-	0	559	0	135*	37
MOYIE MOUNTAIN	2C10P	1930	01	-	120	0	15	438	0	75*	16
HAWKINS LAKE	MT06P	1970	01	-	551	10	224	947	8	495	5
FLOE LAKE	2C14P	2090	01	-	792	289	881	979	98	342	7
HIGHWOOD SUMMIT (BUSH)	AL02	2210	28	168	671	137	442	660	89	359*	21
SUNSHINE VILLAGE	AL05	2230	29	158	686	157	709	902	107	496*	17

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**WEST KOOTENAY****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
CHAR CREEK	2D06	1310	31	30	154	-	195	327	0	63*	30
BUNCHGRASS MEADOW	WA01P	1520	01	-	368	0	328	800	0	127	5
EAST CREEK	2D08P	2030	01	-	938	315	943	1256	111	673	19
REDFISH CREEK	2D14P	2104	01	-	1624	-	-	-	-	-	0

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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**KETTLE, OKANAGAN and SIMILKAMEEN***June 1, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BIG WHITE MOUNTAIN	2E03	1680	02	58	270	44	330	658	0	194	36
GRANO CREEK	2E07P	1860	01	-	604	124	431	754	11	330*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**OKANAGAN****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

OYAMA LAKE	2F19	1340	31	80	391	-	-	0	0	-	1
BRENDA MINE	2F18P	1460	01	No Snow		0	0	0	0	-	8
ISINTOK LAKE	2F11	1680	01	No Snow		-	0	211	0	29*	17
MISSION CREEK	2F05P	1780	01	-	488	146	465	641	0	209	30
MOUNT KOBAN	2F12	1810	29	57	229	0	41	488	0	128	36
WHITEROCKS MOUNTAIN	2F09	1830	31	80	391	0	236	848	0	167	30
SILVER STAR MOUNTAIN	2F10	1840	29	166	845	350	715	980	0	409	43

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SIMILKAMEEN

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
FREEZEOUT CREEK TRAIL	WA11	1070	30	No Snow		0	0	152	0	19*	9
ISINTOK LAKE	2F11	1680	01	No Snow		-	0	211	0	29*	17
BLACKWALL PEAK	2G03P	1940	01	-	889	34	401	1253	0	607	34
HARTS PASS	WA09	1980	29	256	1445	338	815	1737	338	924*	10
HARTS PASS	WA09P	1980	01	-	993	76	572	1557	76	615	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# COASTAL

*June 1, 2002*

## SOUTH COASTAL

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09P	880	Not Available		-	354	354	354	354*	1	
CALLAGHAN CREEK	3A20	1040	30	45	254	26	298	1228	0	424	18
DOG MOUNTAIN	3A10	1080	03	216	1187	455	1268	2480Z	56	999	15
ORCHID LAKE	3A19	1190	03	287	1572	1100	1700	3648Z	174	1593	23
ORCHID LAKE	3A19P	1190	Not Available		976	1642	2463	124	1501*	13	
UPPER SQUAMISH RIVER	3A25P	1340	01	-	1253	773	1455	1485	634	1246	11
NOSTETUKO RIVER	3A22P	1500	01	-	206	-	61	530	0	73*	10
UPPER MOSELY CREEK	3A24P	1650	01	No Snow	0	0	204	0	27*	13	

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**VANCOUVER ISLAND****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TENNENT LAKE	3B22	950	Not Available		-	-	712	0	232*	10	
JUMP CREEK	3B23P	1160	01	-	968	300	983	983	0	423*	5
WOLF RIVER (UPPER)	3B17P	1490	01	-	869	744	1271	2465	305	1119	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NORTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02	1300	03	262	1385	1099	995	1651	535	971	27

TAHTSA LAKE	1B02P	1300	01	-	1548	1219	1042	1576	277	938*	9
BURNT BRIDGE CREEK	3C08P	1330	01	-	649	364	165	686	0	304*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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**NORTH EAST***June 1, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	27	87	411	0	0	348	0	75*	28
AIKEN LAKE	4A30P	1040	01	No Snow	0	0	0	0	0	-	15
PULPIT LAKE	4A09P	1310	01	-	55	189	61	189	0	47*	11
PINE PASS	4A02P	1400	01	-	1305	908	966	1152	183	871	9
KWADACHA RIVER	4A27P	1620	01	-	311	195	-	458	0	211	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**LIARD****Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
DEADWOOD RIVER	4C09P	1300	01	No Snow	0	0	0	31	0	4*	8

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# NORTH WEST

*June 1, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
SPEEL RIVER	AK03	80	Not Available		-	0	884	0	200*	17	
KINASKAN LAKE	4D11P	1020	01	No Snow	0	43	83	0	11*	11	
TUMEKA CREEK	4D10P	1220	01	-	218	265	259	488	0	89	12
WADE LAKE	4D14P	1370	01	-	83	233	243	243	0	90	10
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## YUKON

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKEENA/NASS

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
GRANDUC MINE	4B12P	790	01	-	904	-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	01	-	289	356	-	356	356	356*	1
LU LAKE	4B15P	1310	01	-	180	-	0	26	0	9*	3
TSAI CREEK	4B17P	1360	01	-	1826	1181	968	1388	371	977*	4
KIDPRICE LAKE	4B01	1370	03	203	1177	822	532	1209	0	680	27
HUDSON BAY MTN.	4B03A	1480	29	123	596	397	248	729	0	323	29
SHEDIN CREEK	4B16P	1480	01	-	990	1075	919	1075	98	716*	6
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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[Province-Wide Synopsis](#)

## Snowpack and Water Supply Outlook for British Columbia

June 15, 2002

Basin Data and Graphs

[-Upper Fraser](#)

[-Mid and Lower Fraser](#)

[-Thompson](#)

[-Columbia](#)

[-Kootenay](#)

[-Okanagan, Kettle, and Similkameen](#)

[-Coastal](#)

[-NorthEast](#)

[-NorthWest](#)

[Groundwater graphs](#)

[ASP graphs](#)

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

This is the final snow survey of the year. All data will be reviewed over the summer and the approved data will be posted early in the fall. In the mean time, please note that the [Corrections and previously unpublished data](#) page contains all known errors and omissions to date.

Because the number of snowcourses read at this date is very small, and there are no mid-month meteorologic or hydrometric statistics to report, no commentaries are given for individual basins.

Province-wide Synopsis

graphs

[B.C Summary Graphs of Snow Water Equivalent](#)

The June 15th snow survey is very small as many lower level snow courses are normally snow free by this date and those that have snow are depleting rather than accumulating. However, snow surveys have been conducted at 4 snow courses in B.C. These, together with data from 58 snow pillows, have been used in making the following analyses.

## Weather

Weather in the first week of June was cool and unsettled, further delaying melt of the snowpacks. The second week saw very hot sustained temperatures which increased runoff dramatically.

## Snowpack

While we had a very fast snowmelt with the hot temperatures of the second week of June, the previous long delay of melt still leaves snowmelt significantly delayed through most of the province. While Vancouver Island and the South Coast have less than the normal June 15 snowpack, the lower Fraser, Thompson, Kootenay and Columbia basins have above normal snowpacks remaining for this date. The melt delay combined with very large May 1 snowpacks in the Skeena, Nechako, Upper Fraser, and Peace basins has those basins at far above normal snow remaining for June 15.

## Outlook

River levels have already reached very high levels in nearly every region in the province, and while they appear to be near to peaking as of June 19, sustained very hot weather could still cause those rivers with well above normal snow in their basins to rise, and they continue to be vulnerable to rapid rise to dangerous levels with heavy rainfall. The River Forecast Centre will continue to monitor and any advisory notices will be issued through our [Runoff Conditions](#) page.

Upper Fraser & Nechako  
Basins

[Data](#)  
[Graphs](#)

[Snow Survey Data](#)  
[Measurements](#)

Middle and Lower Fraser

[Data](#)  
[Graphs](#)

[Snow Survey Data](#)  
[Measurements](#)

[2002 Fraser at Hope hydrograph](#)

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# UPPER and MIDDLE FRASER

*June 15, 2002*

## UPPER FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
HEDRICK LAKE	1A14P	1100	15	-	293	0	0	0	0	-	2
BARKERVILLE	1A03P	1520	15	No Snow	0	0	37	0	23	9	
REVOLUTION CREEK	1A17P	1690	15	-	724	72	487	534	0	221	16
YELLOWHEAD	1A01P	1860	15	-	413	45	266	641	0	190*	5
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## NECHAKO

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	1219	936	668	1274	0	597*	9
MOUNT PONDOSY	1B08P	1400	15	-	479	158	0	320	0	53*	9
MOUNT WELLS	1B01P	1490	15	-	259	88	0	198	0	38*	10

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## MIDDLE FRASER

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	0	131	0	20*	8	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	9	
BARKERVILLE	1A03P	1520	15	No Snow	0	0	37	0	23	9	
YANKS PEAK EAST	1C41P	1670	15	-	540	248	371	754	0	304*	5
GREEN MOUNTAIN	1C12P	1780	15	-	546	152	360	933	0	329*	8
MISSION RIDGE	1C18P	1850	15	No Snow	0	0	253	0	17*	15	

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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**MIDDLE and LOWER FRASER***June 15, 2002***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	0	0	131	0	20*	8
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	0	-	9
BARKERVILLE	1A03P	1520	15	No Snow	0	0	0	37	0	23	9
YANKS PEAK EAST	1C41P	1670	15	-	540	248	371	754	0	304*	5
GREEN MOUNTAIN	1C12P	1780	15	-	546	152	360	933	0	329*	8
MISSION RIDGE	1C18P	1850	15	No Snow	0	0	0	253	0	17*	15
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**LOWER FRASER**

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
DISAPPOINTMENT LAKE	1D18P	1040	Not Available		648	-	648	595	622*	2	
DOG MOUNTAIN	3A10	1080	Not Available		252	907	2088Z	0	657	16	
SPUZZUM CREEK	1D19P	1180	15	-	1403	521	1200	1200	521	861*	2
WAHLEACH LAKE	1D09P	1400	15	-	835	582	948	1185	0	394*	9
CHILLIWACK RIVER	1D17P	1600	15	-	1560	750	1223	1759	0	301	7
GREAT BEAR	1D15P	1660	15	-	2048	776	1523	1623	655	786	9
TENQUILLE LAKE	1D06	1680	15	150	804	552	800	1675	10	705	18
TENQUILLE LAKE	1D06P	1680	15	-	638	360	-	360	360	360*	1
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKAGIT

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
HARTS PASS	WA09P	1980	15	-	638	0	318	1267	0	254	5
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											

\* - PERIOD OF RECORD AVERAGE

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# THOMPSON

*June 15, 2002*

## NORTH THOMPSON

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
COOK CREEK	1E14P	1280	15	No Snow	0	0	0	0	0	-	2
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	0	131	0	20*	8	
MOUNT COOK	1E02P	1550	15	-	1155	550	-	550	550	550*	1
AZURE RIVER	1E08P	1620	15	-	915	345	878	1489	94	711*	5
KOSTAL LAKE	1E10P	1770	15	-	691	463	794	1285	0	430	17
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SOUTH THOMPSON

**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PARK MOUNTAIN	1F03P	1890	15	-	716	347	819	1095	0	552	16
ENDERBY	1F04	1900	15	178	968	570	1092	1326	62	754	24
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	0	131	0	20*	8	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	9	
BARKERVILLE	1A03P	1520	15	No Snow	0	0	37	0	23	9	
YANKS PEAK EAST	1C41P	1670	15	-	540	248	371	754	0	304*	5
GREEN MOUNTAIN	1C12P	1780	15	-	546	152	360	933	0	329*	8
MISSION RIDGE	1C18P	1850	15	No Snow	0	0	253	0	17*	15	
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

Banner

# COLUMBIA

*June 15, 2002*

## UPPER COLUMBIA

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	15	-	915	345	878	1489	94	711*	5
MOUNT REVELSTOKE	2A06P	1830	15	-	1337	539	1301	1801	0	690	9
MOLSON CREEK	2A21P	1980	15	-	990	371	926	1163	0	536	17

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER COLUMBIA

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
BARNES CREEK	2B06P	1620	15	No Snow	0	26	169	0	33*	9	
ST. LEON CREEK	2B08P	1800	15	-	1136	251	795	1351	0	247	8
RECORD MOUNTAIN	2B09	1890	15	8	43	0	280	949	0	153*	17
EAST CREEK	2D08P	2030	15	-	821	214	819	1163	0	395	18

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# KOOTENAY

*June 15, 2002*

## EAST KOOTENAY

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BANFIELD MOUNTAIN	MT05P	1710	15	No Snow	0T	0	8	0T	5	4	
MORRISSEY RIDGE	2C09Q	1800	15	-	458	0	0	74	0	36	17
MOYIE MOUNTAIN	2C10P	1930	15	No Snow	0	0	25	0	2*	12	
HAWKINS LAKE	MT06P	1970	15	-	178	0	0	683	0	185	5
FLOE LAKE	2C14P	2090	15	-	578	165	720	862	0	8	7
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## WEST KOOTENAY

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BUNCHGRASS MEADOW	WA01P	1520	15	-	36	-	5	394	2	103*	4
EAST CREEK	2D08P	2030	15	-	821	214	819	1163	0	395	18
REDFISH CREEK	2D14P	2104	15	-	1421	-	-	-	-	-	0
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**KETTLE, OKANAGAN and SIMILKAMEEN***June 15, 2002***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
GRANO CREEK	2E07P	1860	15	-	263	34	240	503	0	194*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**OKANAGAN****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	

BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	9	
MISSION CREEK	2F05P	1780	15	-	173	0	278	424	0	74	30

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SIMILKAMEEN

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
BLACKWALL PEAK	2G03P	1940	15	-	649	0	184	1031	0	329	34
HARTS PASS	WA09P	1980	15	-	638	0	318	1267	0	254	5

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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**COASTAL***June 15, 2002***SOUTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
PALISADE LAKE	3A09P	880	Not Available		-	8	8	8	8*	1	
DOG MOUNTAIN	3A10	1080	Not Available		252	907	2088Z	0	657	16	
ORCHID LAKE	3A19	1190	Not Available		683	1361	1910	0	1247	21	
ORCHID LAKE	3A19P	1190	15	-	1243	736	1301	2074	0	1149*	14
UPPER SQUAMISH RIVER	3A25P	1340	15	-	788	446	1129	1140	236	834	11
NOSTETUKO RIVER	3A22P	1500	15	-	109	-	0	116	0	11*	11
UPPER MOSELY CREEK	3A24P	1650	15	No Snow	0	0	0	0	0	-	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**VANCOUVER ISLAND****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
JUMP CREEK	3B23P	1160	15	-	420	11	574	574	0	122*	5
WOLF RIVER (UPPER)	3B17P	1490	15	-	424	543	1024	1024	0	785	13

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

**NORTH COASTAL****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	1219	936	668	1274	0	597*	9

BURNT BRIDGE CREEK	3C08P	1330	15	-	199	45	0	334	0	95*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

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**NORTH EAST***June 15, 2002***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
AIKEN LAKE	4A30P	1040	15	No Snow	0	0	0	0	0	-	15
PULPIT LAKE	4A09P	1310	15	No Snow	0	0	0	0	0	-	11
PINE PASS	4A02P	1400	15	-	981	597	655	835	0	487	10
KWADACHA RIVER	4A27P	1620	15	-	68	0	263	454	0	38	13
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

**LIARD****Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
DEADWOOD RIVER	4C09P	1300	15	No Snow	0	0	0	0	0	-	8

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

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# NORTH WEST

*June 15, 2002*

## STIKINE/TAKU

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
KINASKAN LAKE	4D11P	1020	15	No Snow	0	0	0	0	0	-	11
TUMEKA CREEK	4D10P	1220	15	No Snow	0	0	67	0	6*	12	
WADE LAKE	4D14P	1370	15	No Snow	0	0	0	0	14	10	
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## YUKON

### Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2002	2001	2000	Max.	Min.	Normal	No. Years Record
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## SKEENA/NASS

### Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2002	2001	2000	Max.	Min.	Normal	
GRANDUC MINE	4B12P	790	15	No Snow	-	-	-	-	-	-	0
CEDAR-KITEEN	4B18P	885	15	No Snow	70	-	70	70	70*	70*	1
LU LAKE	4B15P	1310	15	No Snow	-	0	0	0	0	-	3
TSAI CREEK	4B17P	1360	15	-	1474	893	593	1028	0	629*	4
HUDSON BAY MTN.	4B03A	1480	16	48	309	283	27Z	673	0	128	23
SHEDIN CREEK	4B16P	1480	15	-	533	896	574	896	0	438*	6
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											