

Banner

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)

## Basin Data and Graphs

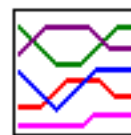
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Groundwater](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

January 1, 2005

**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



[BC Summary Graphs of Snow Water Equivalents](#)

The January 1 snow survey is now complete. Data from 93 snow courses and 58 snow pillows around the province, with 6 out of province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

### Snowpack

While conditions vary across the province, most B.C. snowpacks are near normal for January 1. Significant exceptions are Vancouver Island, the South Coast, Lower Fraser, and Similkameen, with well to far below normal snowpacks. The southern portions of the Middle Fraser also have less snow than usual. Only the Peace and Upper Fraser have above normal snowpacks.

### Weather

Precipitation over the last three months has been variable, however most regions have had only slightly below to slightly above normal cumulative precipitation since November 1. Exceptions were Cranbrook in the Kootenays and Princeton in the Similkameen, with well below normal November-December precipitation. After a cool September, November and December have been warmer than usual throughout the province. Most regions experienced a mean monthly temperature during December of 3 to 4

degrees Celsius warmer than normal.

## Outlook

By January 1, on average, just under half of the peak snowpack for the year has accumulated. Most regions have near enough normal snowpacks that with normal precipitation between now and May 1, peak snowpacks for the year would be near normal. However, the South Coast, Vancouver Island, Lower Fraser, Similkameen, and possibly South Okanagan, and southern Kootenays may have low flows next summer unless remaining snow accumulations and spring precipitation are at least normal.

• **Top**

---

### Upper Fraser & Nechako Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

#### January 1

The snow water equivalent index for the Upper Fraser is at 114% of normal for January 1. Precipitation at Prince George has been slightly above normal over November-December. Due to a warmer than usual December, low elevation snow January 1 was slightly less than usual.

While the Nechako Snow Index is only 82% of normal, middle to upper elevation snowpacks appear near normal, with less lower elevation snow than usual for January 1.

Regional streamflows, as indicated by the mean monthly flow in the Fraser River at Marguerite, were well above normal during December, due to the warmer than usual temperatures.

### Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

#### January 1

Despite above normal cumulative November/December precipitation, the warmer than usual temperatures in the Middle and Lower Fraser during that period delayed snow accumulation. The Middle Fraser overall had a January

1 Snow Index of 70% of normal. The Quesnel Lakes appear to be an exception in this basin, with near normal snow readings.

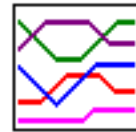
The Lower Fraser had well below normal snowpacks January 1, with a Snow Water Index of only 55% of normal.

Streamflows, as indicated by the mean monthly flows in the Fraser River at Hope, are unavailable at this time.

[• Top](#)

---

## Thompson Basin



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



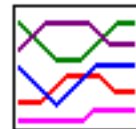
[Snow Survey Data](#)  
[Measurements](#)

### January 1

The North Thompson has very slightly below normal snowpacks, despite slightly above normal precipitation over the last two months. Precipitation was above normal since November 1 in the South Thompson, and snowpacks there appear near normal, despite the warmer mean monthly temperature over December (nearly 4 degrees Celsius above normal in both the North and South Thompson).

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spence's Bridge, were above normal during November and December, due to the warmer temperatures.

## Columbia Basin



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



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

### January 1

The mid to upper elevation Snow Water Index for the Upper and Lower Columbia is at 88% of normal, slightly less than usual for January 1. Precipitation at Revelstoke was slightly above normal since October 1, however temperatures have been warm (mean monthly temperature over December was around 3 degrees Celsius above normal).

An exception to the less than usual snow appears to be the Monashee Mtns,

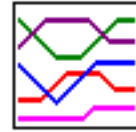
with more normal snowpacks.

Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, were slightly above normal during both November and December, probably due to good precipitation and the warmer mean temperatures.

[• Top](#)

---

## Kootenay Basin



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

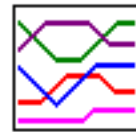


[Snow Survey Data](#)  
[Measurements](#)

### January 1

Cranbrook, the Kootenay indicator climate station, has had comparatively less precipitation than any other indicator station, at 57% of normal, since November 1. Despite that, and a warmer than usual December (mean monthly temperature 4.3 degrees Celsius above normal), snowpacks in the East and West Kootenays are only slightly below normal for January 1, with the Snow Water Index at 88% of normal.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, were above normal during both November and December.



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



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

## Okanagan, Kettle, and Similkameen Basins

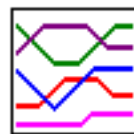
### January 1

While the overall snow water index of 97% of normal for the Okanagan Kettle indicates a normal snowpack, readings vary through the region. Precipitation at Kelowna has been above normal since September 1, and snow readings from the north and central Okanagan are in the normal to slightly above normal range. However readings from the South Okanagan indicate a less than normal snowpack. Precipitation at Princeton, in the Similkameen, has been below normal for the last two months, and the Snow Water Index for January 1 was only 55% of normal for that date.

Streamflows in the region, as indicated by inflows to Okanagan Lake, were far above normal during November and December, due to good precipitation and warmer than usual November-December temperatures.

• [Top](#)

## Vancouver Island & Coastal Regions



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



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

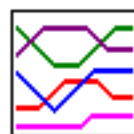
### January 1

Snow packs on the Vancouver Island and Coastal regions are well below normal as of January 1. The Vancouver Island average snow water index is only 36% of normal, while the Coastal index is 70% of normal. Precipitation on Vancouver Island and the Coast was slightly above normal for the September to December period (102%), although November was below normal (66%) and December normal (100%). Precipitation throughout the coastal region was well above normal for September to December (148% measured at Vancouver Airport), with all four months having above normal precipitation. The precipitation on Vancouver Island and the Coastal regions did not contribute to snow pack development because of high temperatures associated with the major precipitation events. The Jump Creek, Upper Squamish and Chilliwack River snow pillows are at or below record lows for January 1.

Stream flows, as indicated by mean monthly inflows to Upper Campbell Lake, were well above normal during November (161%) and above normal during December (115%).

Note: A heavy snow fall occurred across Vancouver Island and the Coastal regions during the first week of January, however, regional snow pillows still report snow water equivalencies to be well below normal, with five pillows continuing to report new record lows for January 8.

## North East Region



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



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

## January 1

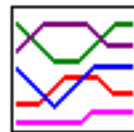
Precipitation in the Peace River basin was well above normal for the September to December. Precipitation during the 4-month period was 163% of normal at Fort St. John and 121% of normal at Dawson Creek. The snow water equivalencies in the Peace River basin range from 84 to 123% of normal, with a basin average of 120% of normal.

Precipitation in the Liard River basin was well below normal, with only 72% of normal precipitation measured at Fort Nelson during the September to December period. For the Liard basin, snow water equivalencies range between 56 and 123%, with a basin average of 97%.

Regional stream flows, as reflected by the mean monthly inflows to Williston Lake, were well above normal for both November (130%) and below normal (87%) for December.

[• Top](#)

## North West Region



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



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

## January 1

The Skeena/Nass basins have an average snow water index of 101% of normal for January 1, while the Stikine/Taku basins have an average index of 102% of normal. There is some variability with the distribution of snow across the Northwest, with coastal areas appearing to have below normal snow packs while inland areas have normal to well above normal snow packs.

Precipitation across the Northwest was well above normal for the September to December period. Precipitation at Smithers was 128% of normal for the 4-month period. In particular, November was very wet (172% of normal at Smithers), contributing to good snow pack development as well as producing a number of flood events along the coastal portions of the Northwest Region.

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, were well above normal for both November (127%) and December (151%).

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

*January 1, 2005*

## UPPER FRASER

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PRINCE GEORGE A	1A10	690	01	32	52	42	0T	156	0T	70	42
PACIFIC LAKE	1A11	770	03	103	292	281	56	476	56	310	21
BURNS LAKE	1A16	800	03	28	56	44	10	176	10	77	30
PHILIP LAKE	4A13	980	04	56	146	99	93	268	64	150	22
HEDRICK LAKE	1A14	1100	03	132	423	266	94	640	94	335	14
HEDRICK LAKE	1A14P	1100	01	-	503	248	139	461	139	290*	5
KAZA LAKE	1A12	1190	04	79	199	131	119	371	113	190	19
MOUNT SHEBA	4A18	1490	03	147	467	269	106	793	106	400	16
BARKERVILLE	1A03P	1520	01	-	113	75	68	312	68	168	24
KNUDSEN LAKE	1A15	1580	03	162	573	286	125	821	125	410	15
REVOLUTION CREEK	1A17P	1690	01	-	492	232	191	814	191	415	20
LONGWORTH (UPPER)	1A05	1740	03	155	476	266	114	694	114	350	14
YELLOWHEAD	1A01P	1860	01	-	248	218	236	428	184	340	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

## NECHAKO

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SKINS LAKE	1B05	880	29	18	31	42	14	111	0	65	19
TAHTSA LAKE	1B02P	1300	01	-	625	427	369	957	369	703	12
MOUNT PONDOSY	1B08P	1400	01	-	448	314	204	686	204	451	11
MOUNT WELLS	1B01P	1490	01	-	344	183	131	433	131	328	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

## MIDDLE FRASER

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	



PUNTZI MOUNTAIN	1C22	940	30	20	34	36	2	106	0	40	32
NAZKO	1C08	1070	05	26	49	35	0	84	0	55	19
BIG CREEK	1C21	1140	03	21	34	38	10	62	10	36	18
GRANITE MOUNTAIN	1C33	1150	29	41	102	66	26	158	26	100	12
LAC LE JEUNE (LOWER)	1C07	1370	29	15	27	55	41	123	8	59	32
BRIDGE GLACIER (LOWER)	1C39	1400	03	64	210	292	326	456	204	319*	10
BRALORNE	1C14	1450	03	27	54	66	78	158	48	90	10
LAC LE JEUNE (UPPER)	1C25	1460	29	16	33	77	57	146	10	75	32
BOSS MOUNTAIN MINE	1C20P	1460	01	-	285	184	191	461	184	320	11
BRENDA MINE	2F18P	1460	01	-	165	180	100	304	100	186	10
BARKERVILLE	1A03P	1520	01	-	113	75	68	312	68	168	24
YANKS PEAK EAST	1C41P	1670	01	-	446	304	199	491	199	422	8
GREEN MOUNTAIN	1C12P	1780	01	-	311	351	354	707	268	440	11
MCGILLIVRAY PASS	1C05	1800	03	74	222	211	266	458	191	260	12
MISSION RIDGE	1C18P	1850	01	-	165	210	168	659	148	272	18
DOWNTON LAKE (UPPER)	1C38	1890	03	104	270	388	416	690	294	425	10
TYAUGHTON CREEK (NORTH)	1C40	1950	03	73	204	184	264	364	152	175	9
BRALORNE (UPPER)	1C37	1980	03	71	210	240	264	504	195	368	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

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

January 1, 2005

## MIDDLE FRASER

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	20	34	36	2	106	0	40	32
NAZKO	1C08	1070	05	26	49	35	0	84	0	55	19
BIG CREEK	1C21	1140	03	21	34	38	10	62	10	36	18
GRANITE MOUNTAIN	1C33	1150	29	41	102	66	26	158	26	100	12
LAC LE JEUNE (LOWER)	1C07	1370	29	15	27	55	41	123	8	59	32
BRIDGE GLACIER (LOWER)	1C39	1400	03	64	210	292	326	456	204	319*	10
BRALORNE	1C14	1450	03	27	54	66	78	158	48	90	10
LAC LE JEUNE (UPPER)	1C25	1460	29	16	33	77	57	146	10	75	32
BOSS MOUNTAIN MINE	1C20P	1460	01	-	285	184	191	461	184	320	11
BRENDA MINE	2F18P	1460	01	-	165	180	100	304	100	186	10

BARKERVILLE	1A03P	1520	01	-	113	75	68	312	68	168	24
YANKS PEAK EAST	1C41P	1670	01	-	446	304	199	491	199	422	8
GREEN MOUNTAIN	1C12P	1780	01	-	311	351	354	707	268	440	11
MCGILLIVRAY PASS	1C05	1800	03	74	222	211	266	458	191	260	12
MISSION RIDGE	1C18P	1850	01	-	165	210	168	659	148	272	18
DOWNTON LAKE (UPPER)	1C38	1890	03	104	270	388	416	690	294	425	10
TYAUGHTON CREEK (NORTH)	1C40	1950	03	73	204	184	264	364	152	175	9
BRALORNE (UPPER)	1C37	1980	03	71	210	240	264	504	195	368	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
WOLVERINE CREEK	1D13	300	30	21	40	60	24	193	0	68*	28
DISAPPOINTMENT LAKE	1D18P	1040	05	-	355P	740P	490P	1304	487	799*	5
DICKSON LAKE	1D16	1070	28	93	274	786	446	1110	360	711*	12
DOG MOUNTAIN	3A10	1080	30	96	350	668	323	897	96	480	18
BEAVER PASS	WA12	1120	28	46	109	404	137	615	122	320*	8
KLESILKWA	3D03A	1130	28	No Snow		166	64	386	0	185	14

SPUZZUM CREEK	1D19P	1180	01	-	326	806	409	840	394	650*	6
STAVE LAKE	1D08	1210	28	112	258	714	516	976	112	630	14
WAHLEACH LAKE	1D09	1400	28	39	112	334	143	417	46	260	18
WAHLEACH LAKE	1D09P	1400	01	-	293	549	235	777	235	520	12
NAHATLATCH RIVER	1D10	1520	28	109	342	568	549	975	219	600	12
EASY PASS	WA13	1580	Not Available			-	-	1651	229	755*	20
CHILLIWACK RIVER	1D17P	1600	01	-	439	855	383	1165	383	670*	12
GREAT BEAR	1D15P	1660	01	-	439	-	424	954	424	808	11
TENQUILLE LAKE	1D06	1680	29	117	322	470	404	875	205	550	27
TENQUILLE LAKE	1D06P	1680	01	-	360	409	390	623	285	427*	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

## SKAGIT

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FREEZEOUT CREEK TRAIL	WA11	1070	Not Measured			185	41	259	41	138*	8
BEAVER PASS	WA12	1120	28	46	109	404	137	615	122	320*	8
KLESILKWA	3D03A	1130	28	No Snow		166	64	386	0	185	14
HARTS PASS	WA09	1980	Not Measured			526	287	744	287	511*	6
HARTS PASS	WA09P	1980	Not Available			495	300	737P	282	461*	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*January 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	28	58	147	171	50	263	50	160	18
COOK CREEK	1E14P	1280	01	-	338	229	101	255	101	206*	4
BOSS MOUNTAIN MINE	1C20P	1460	01	-	285	184	191	461	184	320	11
MOUNT COOK	1E02P	1550	01	-	660A	439	469	694	439	534*	3
AZURE RIVER	1E08P	1620	01	-	581	458	356	780	356	620	8
KOSTAL LAKE	1E10P	1770	01	-	474	337	271	590	271	453	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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
MONASHEE PASS	2E01	1370	05	79	221	137	-	239	84	165	23
CELISTA MOUNTAIN	1F06P	1500	01	-	450	-	-	-	-	-	0
KIRBYVILLE LAKE	2A25	1750	04	168	541	408	-	854	351	620	20
PARK MOUNTAIN	1F03P	1890	01	-	529	278	321	632	256	427	19
ENDERBY	1F04	1900	31	179	535	359	370	742	292	495	29
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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	20	34	36	2	106	0	40	32
NAZKO	1C08	1070	05	26	49	35	0	84	0	55	19
BIG CREEK	1C21	1140	03	21	34	38	10	62	10	36	18
GRANITE MOUNTAIN	1C33	1150	29	41	102	66	26	158	26	100	12



LAC LE JEUNE (LOWER)	1C07	1370	29	15	27	55	41	123	8	59	32
BRIDGE GLACIER (LOWER)	1C39	1400	03	64	210	292	326	456	204	319*	10
BRALORNE	1C14	1450	03	27	54	66	78	158	48	90	10
LAC LE JEUNE (UPPER)	1C25	1460	29	16	33	77	57	146	10	75	32
BOSS MOUNTAIN MINE	1C20P	1460	01	-	285	184	191	461	184	320	11
BRENDA MINE	2F18P	1460	01	-	165	180	100	304	100	186	10
BARKERVILLE	1A03P	1520	01	-	113	75	68	312	68	168	24
YANKS PEAK EAST	1C41P	1670	01	-	446	304	199	491	199	422	8
GREEN MOUNTAIN	1C12P	1780	01	-	311	351	354	707	268	440	11
MCGILLIVRAY PASS	1C05	1800	03	74	222	211	266	458	191	260	12
MISSION RIDGE	1C18P	1850	01	-	165	210	168	659	148	272	18
DOWNTON LAKE (UPPER)	1C38	1890	03	104	270	388	416	690	294	425	10
TYAUGHTON CREEK (NORTH)	1C40	1950	03	73	204	184	264	364	152	175	9
BRALORNE (UPPER)	1C37	1980	03	71	210	240	264	504	195	368	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

Banner

[Go to Columbia Snow Station Map](#)

# COLUMBIA

January 1, 2005

## UPPER COLUMBIA

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DOWNIE SLIDE (LOWER)	2A27	980	04	104	296	302	166	504	166	320	19
GLACIER	2A02	1250	01	100	295	303	190	519	147	328	34
VERMONT CREEK	2A19	1520	05	61	160A	198	140	328	91	230	20
AZURE RIVER	1E08P	1620	01	-	581	458	356	780	356	620	8
DOWNIE SLIDE (UPPER)	2A29	1630	04	165	570	518	606	1022	370	690	19
KICKING HORSE	2A07	1650	30	58	135	160B	66	257	66	175	25
KIRBYVILLE LAKE	2A25	1750	04	168	541	408	-	854	351	620	20
MOUNT REVELSTOKE	2A06P	1830	Not Measured			481	433	835	317	599	12
FIDELITY MOUNTAIN	2A17	1870	30	173	583	589	350	1228	334	617	30

KEYSTONE CREEK	2A18	1890	04	102	316	279	308	577	217	400	20
BEAVERFOOT	2A11	1890	05	47	96	96	56	215	55	120	20
BUSH RIVER	2A23	1920	04	117	352	384	-	722	216	442	20
GOLDSTREAM	2A16	1920	04	149	500	476	414	906	355	598	20
MOLSON CREEK	2A21P	1980	01	-	495	487	349	1072	318	558	24
MOUNT ABBOT	2A14	1980	03	165	514	538	386	1065	298	615	20
SUNBEAM LAKE	2A22	2010	04	132	429	412	-	767	243	475	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
					2005	2004	2003	Max.	Min.	Normal	
FERGUSON	2D02	880	29	103	260	279	93	409	93	275	25
FARRON	2B02A	1220	02	68	148	158	90	330	40	155	20
MONASHEE PASS	2E01	1370	05	79	221	137	-	239	84	165	23
WHATSHAN (UPPER)	2B05	1480	Not Measured			288	-	543	169	340	19
BARNES CREEK	2B06	1620	05	118	390	203	-	363	146	260	18
BARNES CREEK	2B06P	1620	01	-	368	180	236	409	158	278	12

ST. LEON CREEK	2B08	1800	05	172	587	469	-	1164	325	613	16
ST. LEON CREEK	2B08P	1800	01	-	518	-	330	637	221	569	8
KOCH CREEK	2B07	1860	Not Measured			302	-	452	170	365	15
RECORD MOUNTAIN	2B09	1890	03	115	284	352	-	538	134	320	19
EAST CREEK	2D08P	2030	01	-	466	331	214	858	206	470	23
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

[Go to Columbia Snow Station Map](#)

# KOOTENAY

*January 1, 2005*

## EAST KOOTENAY

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	01	41	66	148	41	330	28	142	29
SULLIVAN MINE	2C04	1550	28	41	70	119	94	226	29	138	19
VERMILION RIVER NO. 3	2C20	1570	30	59	140	-	-	183	107	147*	4
WEASEL DIVIDE	MT02	1660	03	122	297	366	185	691	162	367*	19
BANFIELD MOUNTAIN	MT05P	1710	01	-	127	208	180	340	112	198*	7
MOUNT JOFFRE	2C16	1750	05	74	187	139	-	364	86	180	17
MORRISSEY RIDGE	2C09Q	1800	01	-	248	323	176	706	123	331	21
MOYIE MOUNTAIN	2C10P	1930	01	-	176	221	128	354	76	180	25
HAWKINS LAKE	MT06P	1970	01	-	208	279	264	419	145	256*	7

THUNDER CREEK	2C17	2010	05	54	122	112	85	276	61	135	20
FLOE LAKE	2C14	2090	05	122	369	322	245	747	181	425	20
FLOE LAKE	2C14P	2090	01	-	334	311	221	502	173	363	9
HIGHWOOD SUMMIT (BUSH)	AL02	2210	30	78	201	206	-	399	97	226*	12
MOUNT ASSINIBOINE	2C15	2230	05	89	235	246	182	567	111	290	21
SUNSHINE VILLAGE	AL05	2230	31	106	269	249	183	389	137	234*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
FERGUSON	2D02	880	29	103	260	279	93	409	93	275	25
NELSON	2D04	930	28	63	138	249	85	366	66	175	45
CHAR CREEK	2D06	1310	01	86	195	288	232Z	480	110	250	21
BUNCHGRASS MEADOW	WA01P	1520	01	-	262	345	343	488	218	344*	7
KOCH CREEK	2B07	1860	Not Measured			302	-	452	170	365	15
MOUNT TEMPLEMAN	2D09	1860	05	137	452	-	-	902	277	530	16
EAST CREEK	2D08P	2030	01	-	466	331	214	858	206	470	23
REDFISH CREEK	2D14P	2104	01	-	536	476	401	686	401	521*	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
------------------------------

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

January 1, 2005

## KETTLE

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FARRON	2B02A	1220	02	68	148	158	90	330	40	155	20
MONASHEE PASS	2E01	1370	05	79	221	137	-	239	84	165	23
GRANO CREEK	2E07P	1860	01	-	121	143	199	315	143	215*	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											

## OKANAGAN

### Snow Survey Measurements

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



Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
SUMMERLAND RESERVOIR	2F02	1280	29	44	80A	97	42	198	42	114	41
BRENDA MINE	2F18P	1460	01	-	165	180	100	304	100	186	10
GREYBACK RESERVOIR	2F08	1550	06	57	116	83	116	181	56	115	22
ISINTOK LAKE	2F11	1680	29	20	45	102	16	196	16	86	39
MISSION CREEK	2F05P	1780	01	-	364	214	131	326	104	215	34
GRAYSTOKE LAKE	2F04	1810	06	84	268	-	-	158B	158B	-	1
MOUNT KOBAU	2F12	1810	27	45	102	112	153	261	28	144	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											

## SIMILKAMEEN

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FREEZEOUT CREEK TRAIL	WA11	1070	Not Measured			185	41	259	41	138*	8
MISSEZULA MOUNTAIN	2G05	1550	30	23	39	115	21	197	21	106*	12
ISINTOK LAKE	2F11	1680	29	20	45	102	16	196	16	86	39
BLACKWALL PEAK	2G03P	1940	01	-	255	409	199	923	108	397	35
HARTS PASS	WA09	1980	Not Measured			526	287	744	287	511*	6
HARTS PASS	WA09P	1980	Not Available			495	300	737P	282	461*	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*January 1, 2005*

## SOUTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
PALISADE LAKE	3A09P	880	Not Available			770	403	785	337	615*	5
DOG MOUNTAIN	3A10	1080	30	96	350	668	323	897	96	480	18
GROUSE MOUNTAIN	3A01	1100	29	112	384	792	300	878	24	480	24
ORCHID LAKE	3A19	1190	05	150	500	839	625	1214	202	750	22
ORCHID LAKE	3A19P	1190	01	-	394	-	763	1285	243	753*	18
UPPER SQUAMISH RIVER	3A25P	1340	01	-	529	761	559	1072	454	730	13
NOSTETUKO RIVER	3A22P	1500	01	-	101	206	94	524	32	258*	13
UPPER MOSELY CREEK	3A24P	1650	01	-	173	173	139	491	85	188*	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

## VANCOUVER ISLAND

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ELK RIVER	3B04	270	03	No Snow		104	0	264	0	70	20
WOLF RIVER (LOWER)	3B19	640	03	10	16	298	174	326	0	100	15
WOLF RIVER (MIDDLE)	3B18	1070	03	18	28	454	300	590	0	270	16
FORBIDDEN PLATEAU	3B01	1130	03	63	191	919	625	1287	0	630	22
JUMP CREEK	3B23P	1160	01	-	60	686	386	806	244	428	9
WOLF RIVER (UPPER)	3B17P	1490	01	-	229	692	625	1057	150	595	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											

## NORTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
TAHTSA LAKE	1B02P	1300	01	-	625	427	369	957	369	703	12
BURNT BRIDGE CREEK	3C08P	1330	01	-	540	338	131	600	131	418*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

*January 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	28	12	30	28	18	134	14	57	29
MACKENZIE A	4A19A	700	29	26	58	-	-	-	-	-	0
PACIFIC LAKE	1A11	770	03	103	292	281	56	476	56	310	21
BULLHEAD MOUNTAIN	4A28	790	27	No Snow		56	0T	111	0T	54	21
PHILIP LAKE	4A13	980	04	56	146	99	93	268	64	150	22
WARE (LOWER)	4A04	980	05	53	116	87	52	240	52	100	14
AIKEN LAKE	4A30P	1040	01	-	120	113	75A	262	75A	138	16
TUTIZZI LAKE	4A06	1070	04	55	121	90	98	200	85	135	14
TSAYDAYCHI LAKE	4A12	1160	04	85	231	149	165	393	128	215	21
KAZA LAKE	1A12	1190	04	79	199	131	119	371	113	190	19
FREDRICKSON LAKE	4A10	1310	04	61	151	97	54	250	54	130	15
PULPIT LAKE	4A09P	1310	01	-	207	192	158	344	158	242	13

PULPIT LAKE	4A09	1310	05	89	229	165	130	398	130	220	16
PINE PASS	4A02P	1400	01	-	567	381	241	1016	241	543	15
TRYGVE LAKE	4A11	1400	05	75	192	131	135	299	126	195	17
SIKANNI LAKE	4C01	1400	05	70	179	115	44	257	44	145	21
PINE PASS	4A02	1430	Not Measured			466	345	988	314	620	23
MORFEE MOUNTAIN	4A16	1450	03	141	466	313	226	710	226	450	9
LADY LAURIER LAKE	4A07	1460	Not Measured			211	140	472	140	270	21
MOUNT SHEBA	4A18	1490	03	147	467	269	106	793	106	400	16
GERMANSEN (UPPER)	4A05	1500	04	65	174	123	108	364	99	194	22
MOUNT STEARNS	4A21	1500	05	39	67	72	24	151	24	80	15
JOHANSON LAKE	4B02	1540	04	70	195	115	109	282	90	160	21
MONKMAN CREEK	4A20	1550	03	100	308	173	-	546	145	270	12
WARE (UPPER)	4A03	1570	05	58	136	120	64	248	64	145	15
KWADACHA RIVER	4A27P	1620	01	-	150	120	86	307	86	176*	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

## 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
					2005	2004	2003	Max.	Min.	Normal	

FORT NELSON A	4C05	380	01	26	33	26	47	112	20	59	37
DEASE LAKE	4C03	820	31	28	60	46	-	150	20	71	37
DEADWOOD RIVER	4C09P	1300	01	-	75	33	-	211	33	77*	9
SIKANNI LAKE	4C01	1400	05	70	179	115	44	257	44	145	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

[Go to Northwest Snow Station Map](#)

# NORTH WEST

January 1, 2005

## STIKINE/TAKU

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DEASE LAKE	4C03	820	31	28	60	46	-	150	20	71	37
KINASKAN LAKE	4D11P	1020	01	-	203	240	-	378	104	195*	13
TUMEKA CREEK	4D10P	1220	01	-	315	240	180	591	180	333*	12
WADE LAKE	4D14P	1370	01	-	184	145A	105	344	91	193*	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											

## YUKON

Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TERRACE A	4B13A	180	30	12	15A	70	20	162	0	74*	22
GRANDUC MINE	4B12P	790	01	-	941	791	656	1065	656	837*	3
CEDAR-KITEEN	4B18P	885	01	-	521	248	83	338	83	225*	4
KAZA LAKE	1A12	1190	04	79	199	131	119	371	113	190	19
LU LAKE	4B15P	1310	01	-	150	79	41	206	41	110*	7
TSAI CREEK	4B17P	1360	01	-	551	409	390	904	390	546*	6
TRYGVE LAKE	4A11	1400	05	75	192	131	135	299	126	195	17
HUDSON BAY MTN.	4B03A	1480	30	88	210	157	181	470	135	283	29
SHEDIN CREEK	4B16P	1480	01	-	503	-	266	551	266	421*	8
JOHANSON LAKE	4B02	1540	04	70	195	115	109	282	90	160	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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)

## Basin Data and Graphs

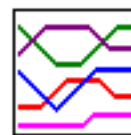
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)

## Snowpack and Water Supply Outlook for British Columbia

February 1, 2005

**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



[BC Summary Graphs of Snow Water Equivalents](#)

The February 1 snow survey is now complete. Data from 125 snow courses and 59 snow pillows around the province, with 16 out of province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

### Snowpack

While conditions vary across the province, most B.C. snowpacks are near normal for February 1. Significant exceptions are Vancouver Island, the South Coast, Lower Fraser, the Similkameen, and portions of the west and south Okanagan, with well to far below normal snowpacks. The southern portions of the Middle Fraser also have less snow than usual. Only the Peace, North Thompson and Upper Fraser have above normal snowpacks.

### Weather

Precipitation during January was normal to well above normal in most areas of the province, except the Skeena, Nechako and east Kootenay.

Precipitation over the last three months has been variable, however most regions have had slightly below to well above normal cumulative precipitation since November 1. Exceptions were Cranbrook in the Kootenays and Princeton in the Similkameen, with well below normal

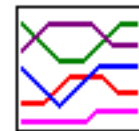
November-January precipitation. After a warm November and December, January was generally cooler, on average. Most regions experienced a near normal mean monthly temperature during January. However, an intense Pacific frontal event during the January 17-22 period produced well above normal temperatures throughout most of the south and central interior, and produced significant rain throughout the Similkameen, Okanagan, South Thompson, North Thompson, and the middle and upper Fraser, as well as throughout all the south coast and Vancouver Island areas. This event produced widespread low level flooding throughout the south coast and Vancouver Island, and ice jam flooding in the Similkameen, Nicola and North Thompson rivers, and elsewhere.

## Outlook

By February 1, on average, greater than half of the peak snowpack for the year has accumulated. Most regions have near enough normal snowpacks that with normal precipitation between now and May 1, peak snowpacks for the year would be near normal. However, the South Coast, Vancouver Island, Lower Fraser, Similkameen, and possibly the south and west Okanagan, and southern Kootenays may have low flows next summer unless remaining snow accumulations and spring precipitation are at least normal.

[• Top](#)

## Upper Fraser & Nechako Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

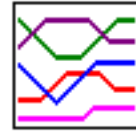
## February 1

The Snow Water Index for the Upper Fraser is at 106% of normal for February 1. Precipitation at Prince George was slightly above normal for January, and was 120% of normal for November-January. Due to a warmer than usual December and the warm period in mid-January, low elevation snow is below to well below normal.

The Nechako Snow Water Index is 95% of normal. Middle and upper elevation snowpacks appear near normal, while lower elevation snow is slightly below normal for February 1.

Regional streamflows, as indicated by the mean monthly flow in the Fraser River at Marguerite, were well above normal during January, due to the warmer than usual temperatures combined with some rainfall.

## Middle and Lower Fraser



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



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

### February 1

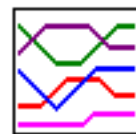
Snow water equivalencies throughout the middle and lower Fraser are highly variable as of February 1. The Middle Fraser overall had a February 1 Snow Water Index of 76% of normal, increased slightly from January 1. Some areas, such as in the Quesnel Lakes appear to be an exception in this basin, with near normal snow readings.

The Lower Fraser had well below normal snowpacks as of February 1, with a Snow Water Index of only 40% of normal. This is a substantial reduction from the January 1 index value. The extremely low snowpack levels throughout the lower Fraser result, in part, from the significant melt and runoff experienced during mid-January, when an intense Pacific frontal system moved onto the south coast, producing high rainfall and elevated freezing levels.

Streamflows are well above normal for this date. The Fraser River at Hope, used as a regional indicator, experienced 191% of normal runoff for January.

[• Top](#)

## Thompson Basin



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



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

### February 1

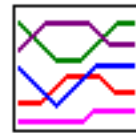
The North Thompson Snow Water Index is 110% of normal for Feb 1, with a significant increase since January 1. Precipitation in the basin was well above normal for January (211% of normal for Blue River). Snow pack development appears to be good across a range of elevations throughout the basin.

The South Thompson was 100% of normal at February 1, a slight decrease from the January 1 value. Snowpack development appears to be good across a range of elevations in the South Thompson basin, although some low

elevation snow melted off during the January 17-22 period, from the combination of rain and prolonged warm temperatures associated with a Pacific frontal system.

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spence's Bridge, have remained above normal during November, December and January, due to the warmer temperatures and rainfall.

## Columbia Basin



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



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

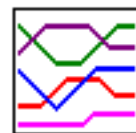
### February 1

The mid to upper elevation Snow Water Index for the Upper and Lower Columbia is at 98% of normal, increased significantly from the January 1 value. Individual snow survey station range from slightly below to slightly above normal. Precipitation at Revelstoke was 122% of normal for January, and 110% of normal for the cumulative November - January period.

Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, were slightly above normal during November and December, and increased to 120% of normal for January. The slightly elevated streamflows result from warm mean temperatures and rainfall in mid-January.

[Top](#)

## Kootenay Basin



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



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

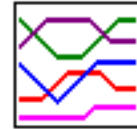
### February 1

The February 1 Snow Water Index for the Kootenay is 82% of normal, reduced from its January 1 value. Individual station readings are variable. For the East Kootenay, low elevation snow appears to be well below normal,

while high elevation snow is 80-95% of normal. Many stations in the West Kootenay are well below normal for Feb 1, in the 65-75% of normal range. Cranbrook, the Kootenay indicator climate station, has had comparatively less precipitation than any other indicator station in the province, at 62% of normal for the November - January period, and only 71% of normal for January.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, were above normal during both November, December and January.

### **Okanagan, Kettle, and Similkameen Basins**



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

#### **February 1**

The overall Snow Water Index for the Okanagan-Kettle is 90% of normal, reduced from the January 1 value. Individual station readings for the Kettle are generally slightly below normal. For the Okanagan, individual station readings vary from well below normal to well above normal. In general, snow water values at low elevation and along south and west sides of the Okanagan are low, in the 50-75% of normal range. Snow water values at higher elevation and along the north and east side of the Okanagan basin are higher. Silver Star Mountain is 100% of normal, while Mission Creek is 133% of normal.

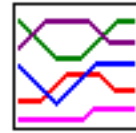
The Similkameen basin Snow Water Index is only 47% of normal for February 1. This appears to be the lowest Feb 1 index value recorded for the Similkameen, and is well below the 69% recorded during the 2003 drought year.

Precipitation at Kelowna was 100% of normal for January, and has been above normal since September 1. Precipitation at Princeton, in the Similkameen, was normal for January but well below normal for November to January cumulatively. The intense Pacific frontal system that affected south and central BC during the January 17-22 period, with elevated freezing levels and rainfall, resulted in significant snowmelt and runoff.

Streamflows in the region, as indicated by inflows to Okanagan Lake, were far above normal during November, December and January, due to good precipitation and warmer than usual temperatures.



## Vancouver Island & Coastal Regions



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



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

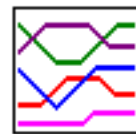
### February 1

Snow packs on the Vancouver Island and Coastal regions are well below normal as of February 1. The Vancouver Island average snow water index is only 11% of normal, while the Coastal index is 41% of normal. These are very substantial reductions from their January 1 values.

Precipitation on Vancouver Island and the Coast was well above normal for January, and normal to above normal for the November to January cumulative period. However, the precipitation on Vancouver Island and the Coastal regions did not contribute to snow pack development because of high temperatures associated with the major precipitation events. During the January 17-22 event, substantial portions of the previously accumulated snowpack melted off and became runoff. The Jump Creek, Wolf River, Upper Squamish, Chilliwack River, and Nostetuko snow pillows are all below record lows for February 1.

Stream flows, as indicated by mean monthly inflows to Upper Campbell Lake, were well above normal during November (1581%), above normal during December (126%), and well above normal during January (191%).

## North East Region



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



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

### February 1

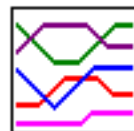
Precipitation in the Peace River basin was slightly below normal for January, and for the November - January period. The snow water equivalencies in the Peace River basin range generally from 85% to 120% of normal, with a basin average of 103% of normal, a slight reduction from January 1.

Precipitation in the Liard River basin was slightly above normal for January. The basin Snow Water Index decreased slightly from the January 1 value, to 93% of normal. Individual station values are quite variable, with snow water equivalencies range between 56% and 163%.

Regional stream flows, as reflected by the mean monthly inflows to Williston Lake, have been well above normal for November (130%), December (122%) and January (146%).

[• Top](#)

## North West Region



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



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

### February 1

The Skeena/Nass basins have an average snow water index of 95% of normal for February 1, reduced from their January 1 values. The Stikine/Taku basins have an average index of 100% of normal, increased slightly from January 1. There is some variability with the distribution of snow across the Northwest, with coastal areas appearing to have below normal snow packs while inland areas have normal to well above normal snow packs.

Precipitation across the Northwest has been variable. Precipitation at Smithers was 61% of normal for January, and 108% of normal for November - January. November was very wet (172%), while December and January have both experienced well below normal precipitation. For Dease Lake (Stikine index station), January was very wet at 221% of normal. This follows a dry November and a normal December.

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, remain well above normal. Monthly runoff was 135% of normal for November, 164% for December and 146% for January.

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

*February 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PRINCE GEORGE A	1A10	690	30	No Snow		67	56	224	46	114	43
PACIFIC LAKE	1A11	770	29	98	345	363	179	679	179	451	37
BURNS LAKE	1A16	800	31	31	80	84	56	232	44	120	34
CANOE RIVER	2A01A	910	30	6	17	55	32	140	32	90	30
PHILIP LAKE	4A13	980	27	60	177	153	184	353	118	202	38
HEDRICK LAKE	1A14	1100	Not Measured			357	248	823	248	500	37
HEDRICK LAKE	1A14P	1100	01	-	626	364	394	649	356	473*	5
BIRD CREEK	1A23	1180	01	44	112	76	68	176	66	103*	14
KAZA LAKE	1A12	1190	Not Measured			212	193	440	125	239	35
MOUNT SHEBA	4A18	1490	29	149	531	405	299	918	299	570	35
BARKERVILLE	1A03P	1520	01	-	199	124	116	351	116	253	26
KNUDSEN LAKE	1A15	1580	29	164	621	394	284	899	284	584	34
MC BRIDE (UPPER)	1A02	1580	01	119	336	167	178	503	140	296	51

REVOLUTION CREEK	1A17P	1690	01	-	701	295	333	930	295	574	19
LONGWORTH (UPPER)	1A05	1740	29	154	580	412	236	890A	236	556	31
MARMOT JASPER	AL12	1830	03	87	211	127	71	191	71	140*	7
YELLOWHEAD	1A01P	1860	01	-	394	255	338	596	233	455	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
SKINS LAKE	1B05	880	01	22	66	79	48	224	35	94	37
TAHTSA LAKE	1B02	1300	02	254	792	635	617	1209	508A	821	50
TAHTSA LAKE	1B02P	1300	01	-	817	658	613	1177	613	903	11
KIDPRICE LAKE	4B01	1370	01	167	587	479	420	953	420	638	47
MOUNT PONDOSY	1B08P	1400	01	-	573	451	326	750	326	578	12
MOUNT WELLS	1B01	1490	31	108	370	229	188	549B	188	385	21
NUTLI LAKE	1B07	1490	01	124	376	229	227	579	227	367*	13
MOUNT WELLS	1B01P	1490	01	-	439	271	213	555	213	426	11

MOUNT SWANNELL	1B06	1620	02	92	264	140	88	382B	88	204*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	31	23	72	56	16	126	0	58	35
NAZKO	1C08	1070	04	26	50A	62	25	137B	6A	75	28
BIG CREEK	1C21	1140	30	20	53	78	10	100B	0	52	32
GRANITE MOUNTAIN	1C33	1150	31	30	127	159	59	217	59	145	12
LAC LE JEUNE (LOWER)	1C07	1370	31	6	16	94	59	208	25	81	48
BRIDGE GLACIER (LOWER)	1C39	1400	Not Available			366	368	688	366	473*	9
BRALORNE	1C14	1450	Not Available			100	92	338	0	138	34
SHOVELNOSE MOUNTAIN	1C29	1450	27	12	48	173	122	307	84	202	25
BOSS MOUNTAIN MINE	1C20P	1460	01	-	386	379	285	574	285	440	11
LAC LE JEUNE (UPPER)	1C25	1460	31	11	32	129	89	177	13	105	32
BRENDA MINE	2F18P	1460	01	-	209	-	-	368	148	264	10

BARKERVILLE	1A03P	1520	01	-	199	124	116	351	116	253	26
MOUNT TIMOTHY	1C17	1660	31	65	232	205	92	384	92	232	38
YANKS PEAK EAST	1C41P	1670	01	-	641	434	304	761	304	595	8
GREEN MOUNTAIN	1C12P	1780	01	-	469	472A	585	948	393	605	11
MCGILLIVRAY PASS	1C05	1800	Not Available			286	345	645	150	403	53
MISSION RIDGE	1C18P	1850	01	-	247	283	256	794	232	424	18
DOWNTON LAKE (UPPER)	1C38	1890	Not Available			466	496	980	378	610	10
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Available			242	-	654	182	265	7
BRALORNE (UPPER)	1C37	1980	Not Available			314	318	724	314	465	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

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*February 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	31	23	72	56	16	126	0	58	35
NAZKO	1C08	1070	04	26	50A	62	25	137B	6A	75	28
BIG CREEK	1C21	1140	30	20	53	78	10	100B	0	52	32
GRANITE MOUNTAIN	1C33	1150	31	30	127	159	59	217	59	145	12
LAC LE JEUNE (LOWER)	1C07	1370	31	6	16	94	59	208	25	81	48
BRIDGE GLACIER (LOWER)	1C39	1400	Not Available			366	368	688	366	473*	9
BRALORNE	1C14	1450	Not Available			100	92	338	0	138	34
SHOVELNOSE MOUNTAIN	1C29	1450	27	12	48	173	122	307	84	202	25
BOSS MOUNTAIN MINE	1C20P	1460	01	-	386	379	285	574	285	440	11
LAC LE JEUNE (UPPER)	1C25	1460	31	11	32	129	89	177	13	105	32

BRENDA MINE	2F18P	1460	01	-	209	-	-	368	148	264	10
BARKERVILLE	1A03P	1520	01	-	199	124	116	351	116	253	26
MOUNT TIMOTHY	1C17	1660	31	65	232	205	92	384	92	232	38
YANKS PEAK EAST	1C41P	1670	01	-	641	434	304	761	304	595	8
GREEN MOUNTAIN	1C12P	1780	01	-	469	472A	585	948	393	605	11
MCGILLIVRAY PASS	1C05	1800	Not Available			286	345	645	150	403	53
MISSION RIDGE	1C18P	1850	01	-	247	283	256	794	232	424	18
DOWNTON LAKE (UPPER)	1C38	1890	Not Available			466	496	980	378	610	10
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Available			242	-	654	182	265	7
BRALORNE (UPPER)	1C37	1980	Not Available			314	318	724	314	465	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
WOLVERINE CREEK	1D13	300	30	12	40	112	68	270	10A	105*	29
SUMMALLO RIVER WEST	3D01C	790	27	3	11	204	-	368	0	242	12
CALLAGHAN CREEK	3A20	1040	29	54	198	608	328	879	50	577	21



DISAPPOINTMENT LAKE	1D18P	1040	26	-	295P	-	492P	1597	492P	997*	5
DICKSON LAKE	1D16	1070	28	58	206	1156	542	1220	398	918	12
DOG MOUNTAIN	3A10	1080	31	48	206	932	237	1187Z	237	731	21
BEAVER PASS	WA12	1120	26	33	132	518	353	922	36	499*	36
KLESILKWA	3D03A	1130	28	No Snow		210A	47	508	0	257	50
SPUZZUM CREEK	1D19P	1180	01	-	300	1073	638	1804E	593	1102*	6
STAVE LAKE	1D08	1210	28	55	213	998	608	1430	163	907	34
WAHLEACH LAKE	1D09	1400	28	16	56	478	199	815	33	396	36
WAHLEACH LAKE	1D09P	1400	01	-	314	796	381	1036	381	780	12
NAHATLATCH RIVER	1D10	1520	28	77	311	810	736	1359	262	893	31
EASY PASS	WA13	1580	Not Available			-	-	2184	279	1160*	30
CHILLIWACK RIVER	1D17P	1600	01	-	368	1144	638	1668	638	1036*	13
GREAT BEAR	1D15P	1660	01	-	544	-	791	1391	608	1143	12
TENQUILLE LAKE	1D06	1680	29	142	500A	697	673	1206	241	769	33
TENQUILLE LAKE	1D06P	1680	01	-	540	604	623	881	450	640*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
SUMALLO RIVER WEST	3D01C	790	27	3	11	204	-	368	0	242	12
FREEZEOUT CREEK TRAIL	WA11	1070	26	10	51	249	127	462	13	223*	35

BEAVER PASS	WA12	1120	26	33	132	518	353	922	36	499*	36
KLESILKWA	3D03A	1130	28	No Snow		210A	47	508	0	257	50
HARTS PASS	WA09	1980	25	99	356B	686	526	1328	246	775*	50
HARTS PASS	WA09P	1980	Not Available			660	533	1005P	371	669*	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*February 1, 2005*

## NORTH THOMPSON

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	31	65	239	297	144	340	98	250	21
KNOUFF LAKE	1E05	1200	31	35	104	117	60	229	38	114	45
COOK CREEK	1E14P	1280	01	-	383	409	248	413	248	347*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	-	386	379	285	574	285	440	11
MOUNT COOK	1E02P	1550	01	-	920A	713	724	938	600	744*	4
AZURE RIVER	1E08P	1620	01	-	848	634	578	998	506	835	8
ADAMS RIVER	1E07	1720	29	141	478	406	334	654	285	452	24
KOSTAL LAKE	1E10P	1770	01	-	717	506	426	764	415	620	20

NORTH CLEMINA CREEK	1E13	1860	31	188	576	353	396	796	315	532	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											

## SOUTH THOMPSON

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	03	65	246	231	130A	483	130A	274	45
ABERDEEN LAKE	1F01A	1310	31	34	109	127	63	193	48	119	50
MONASHEE PASS	2E01	1370	01	76	243	241	167	364	122	245	45
CELISTA MOUNTAIN	1F06P	1500	01	-	660	-	-	-	-	-	0
ADAMS RIVER	1E07	1720	29	141	478	406	334	654	285	452	24
KIRBYVILLE LAKE	2A25	1750	05	223	682	682	659	1160	381	810	29
SILVER STAR MOUNTAIN	2F10	1840	30	140	509	438	358	721	229	507	46
PARK MOUNTAIN	1F03P	1890	01	-	675	495	463	867	331	602	20
ENDERBY	1F04	1900	29	187	644	541	547	932	348	691	42
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
					2005	2004	2003	Max.	Min.	Normal	
PUNZI MOUNTAIN	1C22	940	31	23	72	56	16	126	0	58	35
NAZKO	1C08	1070	04	26	50A	62	25	137B	6A	75	28
BIG CREEK	1C21	1140	30	20	53	78	10	100B	0	52	32
GRANITE MOUNTAIN	1C33	1150	31	30	127	159	59	217	59	145	12
LAC LE JEUNE (LOWER)	1C07	1370	31	6	16	94	59	208	25	81	48
BRIDGE GLACIER (LOWER)	1C39	1400	Not Available			366	368	688	366	473*	9
BRALORNE	1C14	1450	Not Available			100	92	338	0	138	34
SHOVELNOSE MOUNTAIN	1C29	1450	27	12	48	173	122	307	84	202	25
BOSS MOUNTAIN MINE	1C20P	1460	01	-	386	379	285	574	285	440	11
LAC LE JEUNE (UPPER)	1C25	1460	31	11	32	129	89	177	13	105	32
BRENDA MINE	2F18P	1460	01	-	209	-	-	368	148	264	10
BARKERVILLE	1A03P	1520	01	-	199	124	116	351	116	253	26
MOUNT TIMOTHY	1C17	1660	31	65	232	205	92	384	92	232	38
YANKS PEAK EAST	1C41P	1670	01	-	641	434	304	761	304	595	8
GREEN MOUNTAIN	1C12P	1780	01	-	469	472A	585	948	393	605	11

MCGILLIVRAY PASS	1C05	1800	Not Available			286	345	645	150	403	53
MISSION RIDGE	1C18P	1850	01	-	247	283	256	794	232	424	18
DOWNTON LAKE (UPPER)	1C38	1890	Not Available			466	496	980	378	610	10
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Available			242	-	654	182	265	7
BRALORNE (UPPER)	1C37	1980	Not Available			314	318	724	314	465	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											

Banner

[Go to Columbia Snow Station Map](#)

# COLUMBIA

*February 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
CANOE RIVER	2A01A	910	30	6	17	55	32	140	32	90	30
DOWNIE SLIDE (LOWER)	2A27	980	05	123	412	556	326	740	256	509	23
GLACIER	2A02	1250	30	134	437	460	362	828	241	494	64
FIELD	2A03A	1280	26	37	117	133	54	233	46	133	65
SUNWAPTA FALLS	AL11	1400	03	55	160	107	109	254	48B	141*	32
VERMONT CREEK	2A19	1520	01	72	216	296	199	574	102	320	35
AZURE RIVER	1E08P	1620	01	-	848	634	578	998	506	835	8
DOWNIE SLIDE (UPPER)	2A29	1630	05	261	888	770	806	1422	466	933	23
KICKING HORSE	2A07	1650	27	69	190	260	146	384	102	248	58
KIRBYVILLE LAKE	2A25	1750	05	223	682	682	659	1160	381	810	29

MOUNT REVELSTOKE	2A06P	1830	01	-	829	758	637	1140	511	850	11
NORTH CLEMINA CREEK	1E13	1860	31	188	576	353	396	796	315	532	16
FIDELITY MOUNTAIN	2A17	1870	27	255	919	859	578	1376	430	867	42
KEYSTONE CREEK	2A18	1890	05	164	502	453	393	866	290	548	35
BEAVERFOOT	2A11	1890	01	55	140	-	84	249	78	154	36
BUSH RIVER	2A23	1920	05	208	508	-	425	902	292	598	36
NIGEL CREEK	AL10	1920	03	114	272	234	173	528	94B	292*	32
GOLDSTREAM	2A16	1920	05	250	708	733	613	1136	460	793	36
MOLSON CREEK	2A21P	1980	01	-	758	645	544	1155	417	760	23
MOUNT ABBOT	2A14	1980	28	235	848	739	570	1209	396	842	46
SUNBEAM LAKE	2A22	2010	Not Measured			583	484	886	348	642	37
MIRROR LAKE	AL06	2030	01	85	213	203	96	348	79	211*	37
BOW SUMMIT II	AL07A	2080	01	114	305	231	132	480	86B	262*	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

## 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
					2005	2004	2003	Max.	Min.	Normal	
FERGUSON	2D02	880	27	112	358	393	278	616	237	420	33



BAIRD	WA02	980	01	46	127	157	127	295	20	151*	45
FARRON	2B02A	1220	31	63	198	214	210	346	63	232	31
MONASHEE PASS	2E01	1370	01	76	243	241	167	364	122	245	45
WHATSHAN (UPPER)	2B05	1480	01	129	462	524	399	759	249	479	32
BARNES CREEK	2B06	1620	01	117	408	350	313	612	196	365	37
BARNES CREEK	2B06P	1620	01	-	428	319	338	566	195	378	12
ST. LEON CREEK	2B08	1800	01	206	765	786	671	1247	474	878	34
ST. LEON CREEK	2B08P	1800	01	-	735	649	563	1092	311	755	10
KOCH CREEK	2B07	1860	Not Measured			-	-	708	203	501	32
RECORD MOUNTAIN	2B09	1890	01	111	446	468	540	802	117	482	30
EAST CREEK	2D08P	2030	01	-	683	475A	383	1012	274	654	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

Banner

[Go to Columbia Snow Station Map](#)

# KOOTENAY

*February 1, 2005*

## EAST KOOTENAY

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	30	25	78	247	114	467	51	234	51
SULLIVAN MINE	2C04	1550	30	49	140	180	166	397	46	217	59
VERMILLION RIVER NO. 3	2C20	1570	28	64	180	-	-	363	130	229*	9
WEASEL DIVIDE	MT02	1660	31	119	399	521	343	858	185	533*	21
BANFIELD MOUNTAIN	MT05P	1710	01	-	160	315	254	475	180	333*	7
MOUNT JOFFRE	2C16	1750	01	75	236	219	133	439	96	265	31
MORRISSEY RIDGE	2C09Q	1800	01	-	334	495	330	886	172	495	21
MOYIE MOUNTAIN	2C10P	1930	01	-	225	349	225	499	104	267	24
HAWKINS LAKE	MT06P	1970	01	-	249	424	363	612	201	395*	7

ALLISON PASS	AL01	1980	02	65	196	278	181	521	133	318*	15
THUNDER CREEK	2C17	2010	01	53	149	179	111	335	69	193	31
FLOE LAKE	2C14	2090	01	151	516	454	348	811	239	548	33
FLOE LAKE	2C14P	2090	01	-	484	446	349	731	221	510	10
HIGHWOOD SUMMIT (BUSH)	AL02	2210	05	124	275	259	155	480	89	264*	25
MOUNT ASSINIBOINE	2C15	2230	01	110	302	334	237	592	140	375	33
SUNSHINE VILLAGE	AL05	2230	01	137	378	312	259	678	150	399*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
DUNCAN LAKE NO. 2	2D07A	650	27	27	102	158	90	283	60	135*	14
FERGUSON	2D02	880	27	112	358	393	278	616	237	420	33
NELSON	2D04	930	26	60	180	312	234	508	79	276	66
CHAR CREEK	2D06	1310	01	73	260	446	365	650	117	381	39
BUNCHGRASS MEADOW	WA01P	1520	01	-	345	510	505	719	259	513*	7
GRAY CREEK (LOWER)	2D05	1550	01	78	216	384	221	511	127	326	54
KOCH CREEK	2B07	1860	Not Measured			-	-	708	203	501	32

MOUNT TEMPLEMAN	2D09	1860	Not Measured			-	564	1115	409	748	34
GRAY CREEK (UPPER)	2D10	1910	01	124	382	532	386	792	268	527	34
EAST CREEK	2D08P	2030	01	-	683	475A	383	1012	274	654	24
REDFISH CREEK	2D14P	2104	01	-	776	746	653	1024	653	808*	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

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

*February 1, 2005*

## KETTLE

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FARRON	2B02A	1220	31	63	198	214	210	346	63	232	31
GOAT CREEK	WA04	1220	31	38	122	150	140	224	20	133*	43
MONASHEE PASS	2E01	1370	01	76	243	241	167	364	122	245	45
SUMMIT G.S.	WA05	1400	31	48	150	188	198	244	41	148*	43
BIG WHITE MOUNTAIN	2E03	1680	31	102	324	320	274	483	178	339	39
GRANO CREEK	2E07P	1860	01	-	320	308	300	465	180	329*	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											

## OKANAGAN

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
MC CULLOCH	2F03	1280	28	32	94	134	70	196	57	125	68
SUMMERLAND RESERVOIR	2F02	1280	27	49	126	175	65	307	65	174	40
ABERDEEN LAKE	1F01A	1310	31	34	109	127	63	193	48	119	50
OYAMA LAKE	2F19	1340	31	38	105	145	64	193	31	129	35
POSTILL LAKE	2F07	1370	28	42	124	170	77	243	73	147	54
VASEUX CREEK	2F20	1400	02	15	44	-	-	208	51	100	22
TROUT CREEK	2F01	1430	03	38	101	180	89	292	33A	141	67
BRENDA MINE	2F18P	1460	01	-	209	-	-	368	148	264	10
ISLAHT LAKE	2F24	1480	01	61	157	196	137B	364	124	235	21
GREYBACK RESERVOIR	2F08	1550	02	58	152	200	154	269	60	160	34
ISINTOK LAKE	2F11	1680	28	22	66	123	56	307	26	133	39
MUTTON CREEK NO. 1	WA07	1740	01	36	102	178	290	480	43	248*	39
MISSION CREEK	2F05P	1780	01	-	416	371	236	495	152	312	33
GRAYSTOKE LAKE	2F04	1810	04	71	248	-	128	324	128	242*	6
MOUNT KOBAL	2F12	1810	30	53	152	153	229	373	43	201	38
WHITEROCKS MOUNTAIN	2F09	1830	26	83	257	364	235	693	135	399	33
SILVER STAR MOUNTAIN	2F10	1840	30	140	509	438	358	721	229	507	46
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	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FREEZEOUT CREEK TRAIL	WA11	1070	26	10	51	249	127	462	13	223*	35
HAMILTON HILL	2G06	1490	06	34	91	258	110	411	104	258	41
MISSEZULA MOUNTAIN	2G05	1550	06	41	80	154	60	284	60	174	38
ISINTOK LAKE	2F11	1680	28	22	66	123	56	307	26	133	39
LOST HORSE MOUNTAIN	2G04	1920	30	36	98	150A	70	335	70	165	44
BLACKWALL PEAK	2G03P	1940	01	-	281	551	383	1076	159	595	37
HARTS PASS	WA09	1980	25	99	356B	686	526	1328	246	775*	50
HARTS PASS	WA09P	1980	Not Available			660	533	1005P	371	669*	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*February 1, 2005*

## SOUTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
PALISADE LAKE	3A09P	880	Not Available			-	-	790	700	745*	2
CALLAGHAN CREEK	3A20	1040	29	54	198	608	328	879	50	577	21
DOG MOUNTAIN	3A10	1080	31	48	206	932	237	1187Z	237	731	21
GROUSE MOUNTAIN	3A01	1100	31	77	320	1024	322	1530Z	50	762	55
ORCHID LAKE	3A19	1190	25	99	448B	1273	654	1624	408	1141	26
ORCHID LAKE	3A19P	1190	01	-	396	1423	921	1859	491	1221*	18
UPPER SQUAMISH RIVER	3A25P	1340	01	-	555	1050	911	1510	713	1025	13
NOSTETUKO RIVER	3A22P	1500	01	-	120	300	210	628	203	406*	15



UPPER MOSELY CREEK	3A24P	1650	01	-	255	229	101	509	101	233*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
ELK RIVER	3B04	270	31	No Snow		181	0	544	0	96	45
WOLF RIVER (LOWER)	3B19	640	31	No Snow		388	162	528	0	248	32
TENNENT LAKE	3B22	950	01	No Snow		790A	474	880	202B	660	14
WOLF RIVER (MIDDLE)	3B18	1070	31	No Snow		582	334	742	16	401	33
FORBIDDEN PLATEAU	3B01	1130	31	10	42	1181	792	1640	42	955	49
JUMP CREEK	3B23P	1160	01	-	8	773	379	1251	206	710	9
WOLF RIVER (UPPER)	3B17P	1490	01	-	162	988	966	1371	501	881	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											

## NORTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
TAHTSA LAKE	1B02	1300	02	254	792	635	617	1209	508A	821	50
TAHTSA LAKE	1B02P	1300	01	-	817	658	613	1177	613	903	11
BURNT BRIDGE CREEK	3C08P	1330	01	-	686	458	240	746	240	531*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

*February 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	29	29	70	56	68	154	29	84	31
MACKENZIE A	4A19A	700	31	26	84	-	-	-	-	-	0
PACIFIC LAKE	1A11	770	29	98	345	363	179	679	179	451	37
BULLHEAD MOUNTAIN	4A28	790	31	30	78	80	58	149	0T	70	21
PHILIP LAKE	4A13	980	27	60	177	153	184	353	118	202	38
WARE (LOWER)	4A04	980	28	65	159	124	112	286	63	135	36
AIKEN LAKE	4A30P	1040	01	-	180	184	154	330	142	197	18
TUTIZZI LAKE	4A06	1070	27	80	187	162	181	348	109	186	36
TSAYDAYCHI LAKE	4A12	1160	27	97	285	225	250	507	146	276	37
PINK MOUNTAIN	4A14	1170	31	36	80	60	29	138	10A	62	29
KAZA LAKE	1A12	1190	Not Measured			212	193	440	125	239	35

FREDRICKSON LAKE	4A10	1310	27	80	221	161	146	309	110	179	36
PULPIT LAKE	4A09	1310	28	130	311	277	242	530	190	298	33
PULPIT LAKE	4A09P	1310	01	-	332	320	290	405	232	310	14
PINE PASS	4A02P	1400	01	-	832	646	469	1241	469	745	13
TRYGVE LAKE	4A11	1400	27	97	266	214	238	434	183	258	35
SIKANNI LAKE	4C01	1400	28	101	208	170	146	325	81	185	35
PINE PASS	4A02	1430	26	212	788	795	543	1194	411	809	33
MORFEE MOUNTAIN	4A16	1450	26	163	602	528	423	952	323	599	36
LADY LAURIER LAKE	4A07	1460	28	136	356	312	257	635	226	357	33
MOUNT SHEBA	4A18	1490	29	149	531	405	299	918	299	570	35
GERMANSEN (UPPER)	4A05	1500	27	76	216	178	203	371	140	239	36
MOUNT STEARNS	4A21	1500	28	52	103	85	61	196	41	101	30
JOHANSON LAKE	4B02	1540	27	96	249	190	193	355	115	208	34
MONKMAN CREEK	4A20	1550	29	109	388	254	163	775	163	409	27
WARE (UPPER)	4A03	1570	28	65	180	168	120	289	108	182	34
KWADACHA RIVER	4A27P	1620	01	-	225	188	184	371	139	239*	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

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

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FORT NELSON A	4C05	380	01	36	56	55	83	128	35	80	39
DEASE LAKE	4C03	820	31	57	83	85	91	202	36	106	40
JADE CITY	4C15	940	26	102	196	182	138	182	138	161*	3
DEADWOOD RIVER	4C09P	1300	01	-	168	67	94	207	61	103*	10
SIKANNI LAKE	4C01	1400	28	101	208	170	146	325	81	185	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											

Banner

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*February 1, 2005*

## STIKINE/TAKU

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
NINGUNSAW PASS	4B10	690	Not Available			271	233	603	171	319	30
DEASE LAKE	4C03	820	31	57	83	85	91	202	36	106	40
ISKUT	4D02	1000	03	36	66	64	75	162	30	87	31
KINASKAN LAKE	4D11P	1020	01	-	285	308	311	516	155	278*	14
TUMEKA CREEK	4D10P	1220	01	-	428	319	326	744	274	439*	15
WADE LAKE	4D14P	1370	01	-	274	221	203	410	125	252*	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											

## YUKON

**Snow Survey Measurements**

					WATER EQUIVALENT (mm)						No. Years Record	
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	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**

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TERRACE A	4B13A	180	28	No Snow	121	64	274	0	133*		25
BEAR PASS	4B11A	460	29	120	391	419	340	821	192	505	20
NINGUNSAW PASS	4B10	690	Not Available			271	233	603	171	319	30
GRANDUC MINE	4B12P	790	01	-	1279	-	1275	1275	1275	1275*	1
CEDAR- KITEEN	4B18P	885	01	-	630	-	259	510	259	389*	3
TACHEK CREEK	4B06	1140	28	58	122	-	99	194	99	160	9
KAZA LAKE	1A12	1190	Not Measured			212	193	440	125	239	35
LU LAKE	4B15P	1310	01	-	188	124	94	281	94	163*	6
TSAI CREEK	4B17P	1360	01	-	668	634	619	1151	619	760*	7
KIDPRICE LAKE	4B01	1370	01	167	587	479	420	953	420	638	47

TRYGVE LAKE	4A11	1400	27	97	266	214	238	434	183	258	35
HUDSON BAY MTN.	4B03A	1480	31	108	304	258	259	665	221	379	33
SHEDIN CREEK	4B16P	1480	01	-	671	-	491	720	491	613*	8
JOHANSON LAKE	4B02	1540	27	96	249	190	193	355	115	208	34

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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)
- [New - Basin Snow Water Index Map](#)

## Basin Data and Graphs

- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)

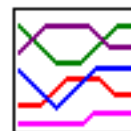
## Snow Survey Bulletin

## Snowpack and Water Supply Outlook for British Columbia

March 1, 2005

**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



[BC Summary Graphs of Snow Water Equivalents](#)

The March 1st snow survey is now complete. Data from 173 snow courses and 59 snow pillows around the province, with 23 out of province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

## Snowpack

Snow conditions are quite variable across the province for March 1st, with much of central and southern BC having below normal snowpacks and northern BC having near normal snowpacks. Vancouver Island, the South Coast, Lower Fraser, the Similkameen, portions of the west and south Okanagan, and southern portions of the East and West Kootenay continue with well to far below normal snowpacks. For Vancouver Island and the Similkameen, the current snow water conditions are a record low. Southern portions of the Middle Fraser also have less snow than usual. The North Thompson, Upper Fraser, Skeena, Peace and Liard river basins have near normal snowpacks.

A notable condition for March 1st is the virtual absence of low elevation

snow throughout much of south and central BC. Most low elevation snow throughout the Fraser, Thompson, Okanagan, Kettle and Similkameen basins, along with the Kootenays and the south coast, melted off in mid-January during a prolonged intense Pacific frontal storm system. Our Fraser basin "Low Elevation Index" is currently at a record low, with only 41% of normal snow water. This is supported by widespread anecdotal reports noting the absence of low elevation snow.

## Weather

Precipitation during February was well below normal in most areas of the province, except the Skeena and Stikine. For most of the rest of the province, February precipitation was generally less than half of normal. Overall, however, precipitation over the last four months (Nov-Feb) has been normal or only slightly below normal for most of BC. Exceptions were Cranbrook in the Kootenays and Princeton in the Similkameen, with Nov-Feb precipitation of only 51% and 67% of normal, respectively. The precipitation in some areas has been occurring as rain rather than snow, and has contributed to wet soil conditions. Temperature's during February were well above normal throughout much of BC, with records set for hours of sunshine in some locations. The high temperatures contributed to continuing low and mid elevation snow melt, and further ripening of the snowpack throughout central and southern BC.

Runoff from rivers throughout the province remained very high during February. The Fraser River near Marguerite, the Fraser River at Hope, the Similkameen River at Princeton, the Kootanay River at Fort Steele, the Columbia River at Donald all appear to have established new high monthly average runoff records, based on preliminary WSC data.

## Outlook

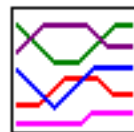
By March 1st, on average, greater than 80% of the peak snowpack for the year has accumulated, with the peak snowpack occurring generally around April 15th. Some regions have very low snowpack and little season remaining to accumulate additional snow. These include the South Coast, Vancouver Island, Lower Fraser, Similkameen, the south and west Okanagan, and the southern Kootenays.

For these regions we are anticipating an earlier than usual snow melt and an earlier than usual onset of low flow conditions. Runoff throughout these areas has been high for at least the last two months, but we are anticipating runoff and lake inflow levels to decline in March. **Unless significant snow accumulations occur over the remaining winter period and spring precipitation is at least normal, there is potential for unusually low summer-season flow in rivers throughout south and central BC, and throughout the south coast and Vancouver Island.** This is particularly so for rivers unsupported by storage.

Some regions have near enough normal snowpacks that with normal precipitation between now and May 1, peak snowpacks for the year would be near normal. These include the Peace, Nechako, Stikine, Liard, Skeena, Upper Fraser and North Thompson.

• [Top](#)

## Upper Fraser & Nechako Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

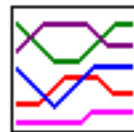
### March 1

The Snow Water Index for the upper Fraser is at 102% of normal for March 1, a slight decline from Feb 1. Precipitation at Prince George was well below normal for February (25% of normal), but was 96% of normal for November-February. Low elevation snow is below to well below normal.

The Nechako Snow Water Index is 91% of normal. Mid and upper elevation snowpacks appear near normal, while lower elevation snow is slightly below normal. Similar to the Upper Fraser, precipitation in the Nechako basin was well below normal (<20%) during February.

Regional streamflows were well above normal during February. Runoff from the Fraser River at Marguerite, a regional indicator, was 228% of average for the month. The February average discharge of 1061 cms appears to be a record high for the month, based on preliminary data.

## Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### March 1

Snow water equivalencies throughout the middle and lower Fraser are highly variable as of March 1. The Middle Fraser overall had an overall March 1 Snow Water Index of 72% of normal, a reduction from the February 1 value. Southern portions of the middle Fraser have snow water equivalencies in the 30-60% range. In addition, low elevation snow is very

low, and absent in many areas. The Fraser River "Low Elevation Index" was at 41% of normal for March 1, a record low.

The Lower Fraser had well below normal snowpacks as of March 1, with a Snow Water Index of only 39% of normal. A number of snow courses are reporting record low snow water for this date. The extremely low snowpack levels throughout the lower Fraser result, in part, from the significant melt and runoff experienced during mid-January, when an intense Pacific frontal system moved onto the south coast, producing high rainfall and elevated freezing levels. Some snowmelt and snowpack ripening has continued with the warm temperatures during much of February. Snowpacks are substantially denser and riper than normal for March 1. This may result in earlier onset of freshet flows, and an earlier onset of low flow conditions.

Streamflows remain well above normal for this date, reflecting the rainfall and warm temperatures over the past 2-3 months. The Fraser River at Hope, used as a regional indicator, experienced 251% of normal runoff for February. The monthly average discharge of 2180 cms appears to be a new record high for February, based on preliminary WSC data.

[• Top](#)

## Thompson Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

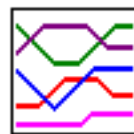
### March 1

The North Thompson Snow Water Index is 98% of normal for March 1, which is a significant decrease from February 1. Precipitation in the basin was well below normal for February (34% of normal for Blue River), but above normal for the cumulative winter period (116% of normal for November - February). Snow pack development appears to be good across a range of elevations throughout the basin.

The South Thompson Index was 88% of normal at March 1, a significant decrease from the February 1 value. Snowpack development appears to be reasonable at high elevation, but is poorer at low elevation. Some low elevation snow melted off during the January 17-22 period, from the combination of rain and prolonged warm temperatures associated with a Pacific frontal system. In addition, the prolonged above normal temperatures during February has resulted in snow melt, which is reflected in higher than normal snow densities at low and mid elevation.

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spence's Bridge, have remained above normal during since November, due to the warmer temperatures and rainfall. The February average discharge was well above normal.

## Columbia Basin



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



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

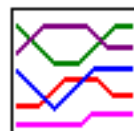
### March 1

The mid to upper elevation Snow Water Index for the Upper and Lower Columbia is at 89% of normal, decreased significantly from the February 1 value. Individual snow survey station range from well below to slightly above normal. Precipitation at Revelstoke was 34% of normal for February, and 91% of normal for the cumulative November - February period.

Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, were slightly above normal during November and December, increasing to 120% of normal for January and 143% of normal for February. The elevated streamflows result from warm mean temperatures and rainfall in mid-January, and the prolonged warm temperatures in February. The February average discharge equalled the previously recorded record high for the Columbia River at Donald.

[Top](#)

## Kootenay Basin



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



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

### March 1

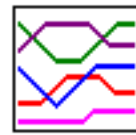
The March 1 Snow Water Index for the Kootenay is only 75% of normal, reduced significantly from its February 1 value. Individual station readings are variable. For the East Kootenay, low elevation snow appears to be well below normal, while high elevation snow is 70-90% of normal. Many

stations in the West Kootenay are well below normal for March 1, in the 50-70% of normal range.

Cranbrook, the Kootenay indicator climate station, has had comparatively less precipitation than any other indicator station in the province, at 51% of normal for the November - February period, and only 20% of normal for February.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, were above normal during both November, December, January and February. The February average discharge of 54 cms is 147% of normal, and appears to be a new record high for the month, based on preliminary WSC data.

### **Okanagan, Kettle, and Similkameen Basins**



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

#### **March 1**

The overall Snow Water Index for the Okanagan-Kettle is 81% of normal, a significant reduction from the February 1 value. Individual station readings for the Kettle are generally well below normal, in the 60-80% range. For the Okanagan, individual station readings vary from below to well below normal. Only one station is above normal at March 1 (Mission Creek snow pillow, at 114%). In general, snow water values at low elevation and along south and west sides of the Okanagan are low, in the 45-75% of normal range. Snow water values at higher elevation and along the north and east side of the Okanagan basin are higher. Silver Star Mountain is 93% of normal, while Mission Creek is 114% of normal.

The Similkameen basin Snow Water Index is only 44% of normal for March 1. This is the lowest March 1 index value recorded for the Similkameen.

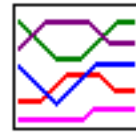
Precipitation at Kelowna was only 27% of normal for February. However, the cumulative winter precipitation has been close to normal (92% of normal for November to February). Precipitation at Princeton, in the Similkameen, was only 22% of normal for February and only 67% of normal for the 4-month period of November - February. An additional factor the the low snow in the Similkameen and south Okanagan is the intense Pacific frontal system that affected south and central BC during the January 17-22 period. The elevated freezing levels and rainfall associated with this event resulted in significant snowmelt and runoff.

Streamflows in the region, as indicated by inflows to Okanagan Lake, were far above normal during November, December, January and February, due to fall and winter rainfall, and warmer than usual temperatures producing snowmelt. Inflows during February were 31.3 kdam<sup>3</sup> (161% of normal), while inflows during the 4-month November - February period were 119.6 kdam<sup>3</sup> (217% of normal).

The Simikameen River at Princeton recorded a February average discharge of 19.8 cms. This is 350% of normal and appears to be a new record high for the location based on 70+ yrs of record, based on preliminary flow data from the WSC.

[• Top](#)

## Vancouver Island & Coastal Regions



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

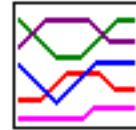
### March 1

Snow packs on the Vancouver Island and South Coastal regions are well below normal as of March 1. The Vancouver Island average snow water index is only 12% of normal. This is a record low for March 1. The South Coastal index is 34% of normal, close to a record low.

Precipitation on Vancouver Island and the Coast was well below normal for February (less than 40% of normal at Nanaimo and Vancouver), but has been near normal for the cumulative November to February period (90% at Nanaimo, 107% at Vancouver). However, much of the precipitation has occurred as rain, and substantial portions of the previously accumulated snowpack melted off and became runoff during the mid-January "Tropical Punch" event. The Jump Creek, Wolf River, Upper Squamish, Chilliwack River, Wahleach, Great Bear, Spuzzum and Nostetuko snow pillows are all below record lows for March 1.

Stream flows, as indicated by mean monthly inflows to Upper Campbell Lake, were well above normal during February, and have been high since November.

## North East Region



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### March 1

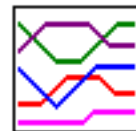
Precipitation in the Peace River basin was below normal for February (66%), and has been slightly below normal for the cumulative November - February period (88% at Ft. St. John). Overall, however, snow water conditions in the Peace River basin are good. The snow water equivalencies range generally from 80% to 115% of normal, with a basin average of 98% of normal, a small reduction from February 1.

Precipitation in the Liard River basin has been variable, with below normal precipitation for February, but close to normal precip for November - February. The basin Snow Water Index increased from February 1, to 105% of normal at March 1. Individual station values are quite variable, with snow water equivalencies range between 63% and 170%. Mid and high elevation snow in the Liard appears to be well above normal.

Regional stream flows, as reflected by the mean monthly inflows to Williston Lake, have been well above normal for February, continuing a pattern since November.

[Top](#)

## North West Region



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### March 1

The Skeena/Nass basins have an average snow water index of 99% of normal for March 1, almost unchanged from their February 1 values. The Stikine/Taku basins have an average index of 106% of normal, increased slightly from February 1. There is some variability with the distribution of snow across the Northwest, with coastal areas appearing to have below normal snow packs while inland areas have normal to well above normal snow packs.



Precipitation across the Northwest has been variable during the winter. Precipitation at Smithers was 132% of normal for February, and 114% of normal for the cumulative November - February period. November was very wet (172%), associated with two Pacific frontal storms. For Dease Lake (Stikine index station), February was wet at 136% of normal. The Stikine has received well above normal precipitation over the winter (131% for November - February).

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, remain well above normal. Monthly runoff was 135% of normal for November, 164% for December and 146% for January and 158% for February.

footer graphic

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

*March 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
HANSARD	1A06A	610	25	19	57	122	141	396	44	196	32
PRINCE GEORGE A	1A10	690	25	No Snow	121	96	296	33	136		43
PACIFIC LAKE	1A11	770	25	105	394	467	326	832	277	569	42
BURNS LAKE	1A16	800	28	32	94	100	80	240	60	143	33
CANOE RIVER	2A01A	910	24	9	19	84	38	251	32	113	64
PHILIP LAKE	4A13	980	26	66	171	201	208	382	138	252	41
HEDRICK LAKE	1A14	1100	25	150	592	476	391	954	327	618	37
HEDRICK LAKE	1A14P	1100	01	-	769	424	491	761	386	546*	5
BIRD CREEK	1A23	1180	25	43	132	80	74	232	74	127*	15
KAZA LAKE	1A12	1190	26	119	336	261	213	478	186	297	39
LU LAKE	4B15	1300	24	84	216	168	122	406	122	269	26
FORFAR CREEK (UPPER)	1A24	1410	24	111	350	304	276	648	276	462	11
EQUITY MINE	4B14	1420	24	101	304	218	190	514	190	351	27

MOUNT SHEBA	4A18	1490	25	177	692	511	432	1037	394	715	34
BARKERVILLE	1A03P	1520	01	-	229	249A	150A	479	150A	319	26
KNUDSEN LAKE	1A15	1580	25	193	756	490	409	1098	404	722	34
MC BRIDE (UPPER)	1A02	1580	24	126	398	230	234	594	169	361	51
NARROW LAKE	1A21	1650	25	173	731	583	455	1300	419	777	29
REVOLUTION CREEK	1A17P	1690	01	-	851	354	393	1119	336	696	19
LONGWORTH (UPPER)	1A05	1740	25	183	696	-	438	1104	307	674	46
DOME MOUNTAIN	1A19	1820	24	177	678	418	318	981	318	650	31
MARMOT JASPER	AL12	1830	01	84	214	114	117	314	91	192*	21
YELLOWHEAD	1A01	1860	24	139	432	225	253	660	185	432	34
YELLOWHEAD	1A01P	1860	01	-	491	270	371	720	266	499	8
HOLMES RIVER	1A18	1900	24	192	700	368	455	910	321	620	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
					2005	2004	2003	Max.	Min.	Normal	
SKINS LAKE	1B05	880	24	27	74	92	60	226	54	115	41
TAHTSA LAKE	1B02	1300	26	220	836	736	666	1476	571	1025	53

TAHTSA LAKE	1B02P	1300	01	-	1006	738	692	1512	661	1084	11
KIDPRICE LAKE	4B01	1370	24	206	774	574	461	1137	429	802	53
MOUNT PONDOSY	1B08P	1400	01	-	652	497	360	994	360	710	12
MOUNT WELLS	1B01	1490	25	135	466	263	244	886	244	464	52
MOUNT WELLS	1B01P	1490	01	-	561	299	244	607	244	495	12
NUTLI LAKE	1B07	1490	25	140	464	252	229	651	229	452*	14
MOUNT SWANNELL	1B06	1620	25	89	272	173	132	446	132	249*	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

## MIDDLE FRASER

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	28	26	84	44	20	128	0	63	34
BROOKMERE	1C01	980	01	31	80	152	113	351	53	194	60
NAZKO	1C08	1070	02	16	46	78	35	155	0	80	28
BIG CREEK	1C21	1140	28	17	47	85	10	112	0	55	33
GRANITE MOUNTAIN	1C33	1150	28	32	114	187	87	254	87	164	12
DUFFY LAKE	1C28	1200	02	69	222	422	323	762	194	459	26
PAVILION	1C06	1230	03	14	10	78	20	168	0	71	48

LAC LE JEUNE (LOWER)	1C07	1370	28	15	31	110	65	244	20	101	46
BRIDGE GLACIER (LOWER)	1C39	1400	23	76	262	378	392	954	304	536*	10
DEADMAN RIVER	1C32	1430	27	27	80	118	44	170	44	105	21
SHOVELNOSE MOUNTAIN	1C29	1450	25	27	100	190	126	398	104	253	24
BRALORNE	1C14	1450	23	18	48	119	110	363	0	169	41
BOSS MOUNTAIN MINE	1C20P	1460	01	-	405	458	308	735	308	511	11
BRENDA MINE	2F18	1460	01	55	152	251	155	495	130	287	36
LAC LE JEUNE (UPPER)	1C25	1460	28	20	46	152	90	213	13A	134	32
BRENDA MINE	2F18P	1460	01	-	233	307	212	431	184	342	12
HIGHLAND VALLEY	1C09A	1510	01	10	26	133	64	229	25A	89	39
BARKERVILLE	1A03P	1520	01	-	229	249A	150A	479	150A	319	26
HORSEFLY MOUNTAIN	1C13A	1550	01	102	410	374	252	624	238	418	32
GNAWED MOUNTAIN	1C19	1580	01	10	28	134	76	259	15	111	37
MOUNT TIMOTHY	1C17	1660	27	67	234	260	239	468	141	285	42
YANKS PEAK EAST	1C41P	1670	01	-	683	540	398	900	398	700	8
PENFOLD CREEK	1C23	1680	25	220	908	580	540	1132	453	828	30
GREEN MOUNTAIN	1C12P	1780	01	-	488	524	613	1259	445	754	11
MCGILLIVRAY PASS	1C05	1800	23	110	374	368	349	1016	222	522	53
MISSION RIDGE	1C18P	1850	01	-	326	308	277	866	269	515	18

DOWNTON LAKE (UPPER)	1C38	1890	23	152	572	554	510	1250	458	755	10
TYAUGHTON CREEK (NORTH)	1C40	1950	23	100	312	248	320	916	248	368	10
BRALORNE (UPPER)	1C37	1980	23	106	370	364	322	944	322	631	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											

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*March 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	28	26	84	44	20	128	0	63	34
BROOKMERE	1C01	980	01	31	80	152	113	351	53	194	60
NAZKO	1C08	1070	02	16	46	78	35	155	0	80	28
BIG CREEK	1C21	1140	28	17	47	85	10	112	0	55	33
GRANITE MOUNTAIN	1C33	1150	28	32	114	187	87	254	87	164	12
DUFFY LAKE	1C28	1200	02	69	222	422	323	762	194	459	26
PAVILION	1C06	1230	03	14	10	78	20	168	0	71	48
LAC LE JEUNE (LOWER)	1C07	1370	28	15	31	110	65	244	20	101	46
BRIDGE GLACIER (LOWER)	1C39	1400	23	76	262	378	392	954	304	536*	10
DEADMAN RIVER	1C32	1430	27	27	80	118	44	170	44	105	21
SHOVELNOSE MOUNTAIN	1C29	1450	25	27	100	190	126	398	104	253	24

BRALORNE	1C14	1450	23	18	48	119	110	363	0	169	41
BOSS MOUNTAIN MINE	1C20P	1460	01	-	405	458	308	735	308	511	11
BRENDA MINE	2F18	1460	01	55	152	251	155	495	130	287	36
LAC LE JEUNE (UPPER)	1C25	1460	28	20	46	152	90	213	13A	134	32
BRENDA MINE	2F18P	1460	01	-	233	307	212	431	184	342	12
HIGHLAND VALLEY	1C09A	1510	01	10	26	133	64	229	25A	89	39
BARKERVILLE	1A03P	1520	01	-	229	249A	150A	479	150A	319	26
HORSEFLY MOUNTAIN	1C13A	1550	01	102	410	374	252	624	238	418	32
GNAWED MOUNTAIN	1C19	1580	01	10	28	134	76	259	15	111	37
MOUNT TIMOTHY	1C17	1660	27	67	234	260	239	468	141	285	42
YANKS PEAK EAST	1C41P	1670	01	-	683	540	398	900	398	700	8
PENFOLD CREEK	1C23	1680	25	220	908	580	540	1132	453	828	30
GREEN MOUNTAIN	1C12P	1780	01	-	488	524	613	1259	445	754	11
MCGILLIVRAY PASS	1C05	1800	23	110	374	368	349	1016	222	522	53
MISSION RIDGE	1C18P	1850	01	-	326	308	277	866	269	515	18
DOWNTON LAKE (UPPER)	1C38	1890	23	152	572	554	510	1250	458	755	10
TYAUGHTON CREEK (NORTH)	1C40	1950	23	100	312	248	320	916	248	368	10
BRALORNE (UPPER)	1C37	1980	23	106	370	364	322	944	322	631	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

## LOWER FRASER



## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
WOLVERINE CREEK	1D13	300	27	No Snow		100	40	232	0	96*	29
SUMMALLO RIVER WEST	3D01C	790	27	18	44	217	59	442	59	271	13
BROOKMERE	1C01	980	01	31	80	152	113	351	53	194	60
CALLAGHAN CREEK	3A20	1040	02	45	244	744	372	1260	200	770	27
DISAPPOINTMENT LAKE	1D18P	1040	25	-	300P	1356P	620P	1746	620P	1231*	6
DICKSON LAKE	1D16	1070	25	84	322	1268	688	1490A	542	1263	12
DOG MOUNTAIN	3A10	1080	24	61	256	1113	366	2146Z	345	1016	21
BEAVER PASS	WA12	1120	25	33	102	561	384	1298	30	649*	56
KLESILKWA	3D03A	1130	25	11	16	195	63	759	0	296	54
SPUZZUM CREEK	1D19P	1180	01	-	341	1253	739	1620	739	1170*	5
DUFFEY LAKE	1C28	1200	02	69	222	422	323	762	194	459	26
STAVE LAKE	1D08	1210	25	85	304	1245	714	2500A	353	1285	37
WAHLEACH LAKE	1D09	1400	25	50	153	563	259	1072	86	528	38
WAHLEACH LAKE	1D09P	1400	01	-	451	911	494	1213	494	955	12
NAHATLATCH RIVER	1D10	1520	25	106	400	875	764	2380A	450	1194	36
EASY PASS	WA13	1580	Not Available			-	-	2913	478	1652*	36
CHILLIWACK RIVER	1D17P	1600	01	-	506	1260	795	1567	795	1131*	11
GREAT BEAR	1D15P	1660	01	-	668	1203	870	1752	708	1423	13
TENQUILLE LAKE	1D06	1680	01	169	630	792	763	1568	410	980	51
TENQUILLE LAKE	1D06P	1680	01	-	608	701	675	1058	518	738*	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

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

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
SUMALLO RIVER WEST	3D01C	790	27	18	44	217	59	442	59	271	13
FREEZEOUT CREEK TRAIL	WA11	1070	24	8	25	282	145	615	15	272*	56
BEAVER PASS	WA12	1120	25	33	102	561	384	1298	30	649*	56
KLESILKWA	3D03A	1130	25	11	16	195	63	759	0	296	54
LIGHTNING LAKE	3D02	1220	26	15	36	264	190	497	51	282	31
HARTS PASS	WA09	1980	24	114	356	759	688	1636	312	941*	54
HARTS PASS	WA09P	1980	Not Available			747	516	1320A	444	818*	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*March 1, 2005*

## NORTH THOMPSON

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	27	64	248	336	179	411	179	290	22
KNOUFF LAKE	1E05	1200	27	37	104	130	76	284	36	133	46
COOK CREEK	1E14P	1280	01	-	503	465	308	499	308	416*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	-	405	458	308	735	308	511	11
MOUNT COOK	1E02P	1550	01	-	971	840	821	1166	680	877*	4
AZURE RIVER	1E08P	1620	01	-	968	716	634	1335	548	980	8
ADAMS RIVER	1E07	1720	25	147	546	464	416	892	262	575	34
KOSTAL LAKE	1E10P	1770	01	-	764	597	477	1019	477	733	20
TROPHY MOUNTAIN	1E03A	1860	26	134	486	348	216	778	216	453	30

NORTH CLEMINA CREEK	1E13	1860	24	179	630	485	456	899	355	657	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	28	66	249	340	160	635	160	337	48
ABERDEEN LAKE	1F01A	1310	27	33	105	167	86	231	51	145	51
MONASHEE PASS	2E01	1370	23	80	256	281	202	442	149	306	45
BOULEAU LAKE	2F21	1400	25	23	84	280	188	432A	165	295	34
CELISTA MOUNTAIN	1F06P	1500	01	-	686	-	-	-	-	-	0
ADAMS RIVER	1E07	1720	25	147	546	464	416	892	262	575	34
KIRBYVILLE LAKE	2A25	1750	27	212	859	794	752	1476	526	986	31
SILVER STAR MOUNTAIN	2F10	1840	27	151	594	529	456	912	347	636	46
PARK MOUNTAIN	1F03P	1890	01	-	724	563	554	1021	383	739	20
ENDERBY	1F04	1900	28	193	622	692	708	1200	440	859	41
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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	28	26	84	44	20	128	0	63	34
BROOKMERE	1C01	980	01	31	80	152	113	351	53	194	60
NAZKO	1C08	1070	02	16	46	78	35	155	0	80	28
BIG CREEK	1C21	1140	28	17	47	85	10	112	0	55	33
GRANITE MOUNTAIN	1C33	1150	28	32	114	187	87	254	87	164	12
DUFFY LAKE	1C28	1200	02	69	222	422	323	762	194	459	26
PAVILION	1C06	1230	03	14	10	78	20	168	0	71	48
LAC LE JEUNE (LOWER)	1C07	1370	28	15	31	110	65	244	20	101	46
BRIDGE GLACIER (LOWER)	1C39	1400	23	76	262	378	392	954	304	536*	10
DEADMAN RIVER	1C32	1430	27	27	80	118	44	170	44	105	21
SHOVELNOSE MOUNTAIN	1C29	1450	25	27	100	190	126	398	104	253	24
BRALORNE	1C14	1450	23	18	48	119	110	363	0	169	41
BOSS MOUNTAIN MINE	1C20P	1460	01	-	405	458	308	735	308	511	11
BRENDA MINE	2F18	1460	01	55	152	251	155	495	130	287	36

LAC LE JEUNE (UPPER)	1C25	1460	28	20	46	152	90	213	13A	134	32
BRENDA MINE	2F18P	1460	01	-	233	307	212	431	184	342	12
HIGHLAND VALLEY	1C09A	1510	01	10	26	133	64	229	25A	89	39
BARKERVILLE	1A03P	1520	01	-	229	249A	150A	479	150A	319	26
HORSEFLY MOUNTAIN	1C13A	1550	01	102	410	374	252	624	238	418	32
GNAWED MOUNTAIN	1C19	1580	01	10	28	134	76	259	15	111	37
MOUNT TIMOTHY	1C17	1660	27	67	234	260	239	468	141	285	42
YANKS PEAK EAST	1C41P	1670	01	-	683	540	398	900	398	700	8
PENFOLD CREEK	1C23	1680	25	220	908	580	540	1132	453	828	30
GREEN MOUNTAIN	1C12P	1780	01	-	488	524	613	1259	445	754	11
MCGILLIVRAY PASS	1C05	1800	23	110	374	368	349	1016	222	522	53
MISSION RIDGE	1C18P	1850	01	-	326	308	277	866	269	515	18
DOWNTON LAKE (UPPER)	1C38	1890	23	152	572	554	510	1250	458	755	10
TYAUGHTON CREEK (NORTH)	1C40	1950	23	100	312	248	320	916	248	368	10
BRALORNE (UPPER)	1C37	1980	23	106	370	364	322	944	322	631	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											

Banner

[Go to Columbia Snow Station Map](#)

# COLUMBIA

*March 1, 2005*

## UPPER COLUMBIA

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
CANOE RIVER	2A01A	910	24	9	19	84	38	251	32	113	64
DOWNIE SLIDE (LOWER)	2A27	980	27	113	428	-	386	1018	378	631	24
GLACIER	2A02	1250	27	143	497	519	409	952	251	631	65
FIELD	2A03A	1280	26	37	107	156	70	248	53	162	65
SUNWAPTA FALLS	AL11	1400	01	71	198	107	99	277	79	166*	33
VERMONT CREEK	2A19	1520	28	79	215	313	232	643	152	400	38
AZURE RIVER	1E08P	1620	01	-	968	716	634	1335	548	980	8
DOWNIE SLIDE (UPPER)	2A29	1630	27	237	946	900	930	2120	614	1139	25
KICKING HORSE	2A07	1650	26	79	234	284	176	462	140	308	58
KIRBYVILLE LAKE	2A25	1750	27	212	859	794	752	1476	526	986	31
MOUNT REVELSTOKE	2A06P	1830	01	-	908	832	738	1487	537	1014	10

NORTH CLEMINA CREEK	1E13	1860	24	179	630	485	456	899	355	657	16
FIDELITY MOUNTAIN	2A17	1870	24	242	984	950	701	1703	534	1081	42
BEAVERFOOT	2A11	1890	28	56	132	150	108	333	80A	192	43
KEYSTONE CREEK	2A18	1890	27	151	529	481	448	1277	357	696	36
BUSH RIVER	2A23	1920	27	183	648	560	457	1078	281	727	37
NIGEL CREEK	AL10	1920	01	108	306	236	206	655	135	359*	33
GOLDSTREAM	2A16	1920	27	227	895	810	741	1351	553	968	41
MOLSON CREEK	2A21P	1980	01	-	919	731	641	1109	437	865	21
MOUNT ABBOT	2A14	1980	23	244	947	795	708	1448	508	1051	45
SUNBEAM LAKE	2A22	2010	27	196	738	639	577	1117	389	780	36
MIRROR LAKE	AL06	2030	02	89	249	213	140	483	122	255*	38
BOW SUMMIT II	AL07A	2080	28	122	338	295	157	533	124	315*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
FERGUSON	2D02	880	25	110	406	488	297	796	283	539	53
BAIRD	WA02	980	28	48	127	175B	140	368	0	184*	46
FARRON	2B02A	1220	25	70	206	286	219	450	79	295	32



MONASHEE PASS	2E01	1370	23	80	256	281	202	442	149	306	45
WHATSHAN (UPPER)	2B05	1480	23	131	475	569	449	918	285	611	43
BARNES CREEK	2B06	1620	23	122	437	357	384	634	251	447	43
BARNES CREEK	2B06P	1620	01	-	465	375	397	682	229	440	11
ST. LEON CREEK	2B08	1800	23	216	882	867	755	1621	500	1098	35
ST. LEON CREEK	2B08P	1800	01	-	791	716	656	1392	416	974	11
KOCH CREEK	2B07	1860	23	124	433	551	571	996	269	625	40
RECORD MOUNTAIN	2B09	1890	28	109	378	530A	618	1136	147	628	30
EAST CREEK	2D08P	2030	01	-	758	529	424	1167	312	790	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											

Banner

[Go to Columbia Snow Station Map](#)

# KOOTENAY

*March 1, 2005*

## EAST KOOTENAY

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
KISHENEHN	MT01	1190	Not Available			221	119	399	36	210*	59
FERNIE EAST	2C07	1250	27	38	103	264	168	584	61	313	54
SINCLAIR PASS	2C01	1370	26	34	80	122	56	262	48	126	58
BRUSH CREEK TIMBER	MT03	1520	Not Available			162	89	432	86	219*	52
SULLIVAN MINE	2C04	1550	27	53	178	202	198	465	53	268	59
VERMILLION RIVER NO. 3	2C20	1570	26	82	238	-	-	493	142	289	11
WEASEL DIVIDE	MT02	1660	25	142	505	665	442	1257	254	731*	46
KIMBERLEY (MIDDLE)V O R	2C12	1680	23	40	104	189	172	386	97	242	36

BANFIELD MOUNTAIN	MT05P	1710	01	-	160	335	282	663	239	378*	7
MOUNT JOFFRE	2C16	1750	28	89	254	240	184	551	122	329	33
MORRISSEY RIDGE	2C09Q	1800	01	-	397	548	428	1074	232	620	21
MOYIE MOUNTAIN	2C10P	1930	01	-	240	394	285	653	149	338	25
HAWKINS LAKE	MT06P	1970	01	-	249	467	427	881	254	491*	7
WILKINSON SUMMIT (BUSH)	AL03	1980	24	54	154	142	62	307	62	169*	15
ALLISON PASS	AL01	1980	24	85	251	307	234	625	189	396*	22
THUNDER CREEK	2C17	2010	28	68	168	162	-	378	91	239	34
FLOE LAKE	2C14	2090	28	156	553	513	448	993	279	665	35
FLOE LAKE	2C14P	2090	01	-	536	485A	413	889	254	614	10
KIMBERLEY (UPPER) V O R	2C11	2140	23	83	216	285	273	696	152	390	36
HIGHWOOD SUMMIT (BUSH)	AL02	2210	01	103	305	269	198	455	145	321*	26
SUNSHINE VILLAGE	AL05	2230	02	143	444	361	302	770	211	486*	34
MOUNT ASSINIBOINE	2C15	2230	28	120	343	349	302	680	185	454	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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DUNCAN LAKE NO. 2	2D07A	650	24	23	73	189	92	263	72	142*	14
FERGUSON	2D02	880	25	110	406	488	297	796	283	539	53
NELSON	2D04	930	26	54	188	393	250A	558	140	353	65
SANDON	2D03	1070	27	66	210	396	210Z	475	210Z	347	28
CHAR CREEK	2D06	1310	01	80	285	511	425	754	231	476	37
BUNCHGRASS MEADOW	WA01P	1520	01	-	345	579	625	1049	318	647*	7
GRAY CREEK (LOWER)	2D05	1550	25	94	258	436	274	663	201	406	55
KOCH CREEK	2B07	1860	23	124	433	551	571	996	269	625	40
MOUNT TEMPLEMAN	2D09	1860	28	200	768	680	-	1534	490	935	34
GRAY CREEK (UPPER)	2D10	1910	25	145	454	594	467	955	343	651	34
EAST CREEK	2D08P	2030	01	-	758	529	424	1167	312	790	24
REDFISH CREEK	2D14P	2104	01	-	855	833	761	1256	761	950*	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											

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

*March 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FARRON	2B02A	1220	25	70	206	286	219	450	79	295	32
GOAT CREEK	WA04	1220	24	25	91	173	142	300	0	162*	42
CARMI	2E02	1250	27	24	88	160	100	274	56	147	42
MONASHEE PASS	2E01	1370	23	80	256	281	202	442	149	306	45
SUMMIT G.S.	WA05	1400	24	53	140	239	213	305	63	192*	41
BIG WHITE MOUNTAIN	2E03	1680	28	101	340	352	328	676	213	426	39
GRANO CREEK	2E07P	1860	01	-	311	386	334	634	206	417*	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											

# OKANAGAN

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SUMMERLAND RESERVOIR	2F02	1280	24	53	136	208	108	381	97	214	44
MC CULLOCH	2F03	1280	28	35	116	169	90	249	71	157	65
ABERDEEN LAKE	1F01A	1310	27	33	105	167	86	231	51	145	51
OYAMA LAKE	2F19	1340	25	40	114	177	81	241	73	157	35
POSTILL LAKE	2F07	1370	28	50	143	220	122	274	98	186	55
VASEUX CREEK	2F20	1400	28	20	52	100	76	284	60	139	34
BOULEAU LAKE	2F21	1400	25	23	84	280	188	432A	165	295	34
TROUT CREEK	2F01	1430	25	33	142	204	105	335	55	169	65
BRENDA MINE	2F18	1460	01	55	152	251	155	495	130	287	36
BRENDA MINE	2F18P	1460	01	-	233	307	212	431	184	342	12
ISLAHT LAKE	2F24	1480	25	63	161	272	180	497	165	317	23
GREYBACK RESERVOIR	2F08	1550	01	62	174	196	191	312	91	198	38
ESPERON CR (UPPER)	2F13	1650	27	83	258	352	210	635	157	371	36
ISINTOK LAKE	2F11	1680	24	28	87	140	66	358	53	164	40
MACDONALD LAKE	2F23	1740	01	86	258	347	228	583	170	394	28
MUTTON CREEK NO. 1	WA07	1740	25	36	104	290	330	589	0	306*	61
MISSION CREEK	2F05P	1780	01	-	443	424	304	610	206	388	33
GRAYSTOKE LAKE	2F04	1810	01	84	230	294	200	605	128	330	26
MOUNT KOBAL	2F12	1810	27	56	154	231	259	488	61	259	39
WHITEROCKS MOUNTAIN	2F09	1830	23	99	327	387	295	809	180	499	49

SILVER STAR MOUNTAIN	2F10	1840	27	151	594	529	456	912	347	636	46
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	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BROOKMERE	1C01	980	01	31	80	152	113	351	53	194	60
FREEZEOUT CREEK TRAIL	WA11	1070	24	8	25	282	145	615	15	272*	56
LIGHTNING LAKE	3D02	1220	26	15	36	264	190	497	51	282	31
HAMILTON HILL	2G06	1490	26	34	102	281	140	676	127	326	43
MISSEZULA MOUNTAIN	2G05	1550	26	32	85	168	79	363	76	221	41
ISINTOK LAKE	2F11	1680	24	28	87	140	66	358	53	164	40
LOST HORSE MOUNTAIN	2G04	1920	27	42	113	206	100	508	92	204	42
BLACKWALL PEAK	2G03P	1940	01	-	341	589	431	1323	213	728	37
HARTS PASS	WA09	1980	24	114	356	759	688	1636	312	941*	54
HARTS PASS	WA09P	1980	Not Available			747	516	1320A	444	818*	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*March 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PALISADE LAKE	3A09	880	25	56	193	1262	509	3150A	95	1183	50
PALISADE LAKE	3A09P	880	Not Available			-	-	1287	1287	1287*	1
CALLAGHAN CREEK	3A20	1040	02	45	244	744	372	1260	200	770	27
DOG MOUNTAIN	3A10	1080	24	61	256	1113	366	2146Z	345	1016	21
GROUSE MOUNTAIN	3A01	1100	24	92	378	1262	390	2320A	143	997	54
ORCHID LAKE	3A19	1190	25	127	521	1575	849	2960A	444	1568	30
ORCHID LAKE	3A19P	1190	01	-	417	1667	1034	3093	805	1591*	18
UPPER SQUAMISH RIVER	3A25P	1340	01	-	574	1140	953	2301	806	1380	15

NOSTETUKO RIVER	3A22P	1500	01	-	165	360	240	769	203	504*	15
UPPER MOSELY CREEK	3A24P	1650	01	-	304	240	124	555	98	261*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
ELK RIVER	3B04	270	25	No Snow		0	0	546	0	114	44
WOLF RIVER (LOWER)	3B19	640	25	No Snow		430	126	1064	0	347	34
TENNENT LAKE	3B22	950	23	No Snow		1016	556	1200	290A	833	18
UPPER THELWOOD LAKE	3B10	980	25	38	126	1356	754	2440A	281	1204	44
WOLF RIVER (MIDDLE)	3B18	1070	25	7	20	702	354	1344	71	532	34
FORBIDDEN PLATEAU	3B01	1130	25	34	101	1411	864	2730A	260	1279	49
JUMP CREEK	3B23P	1160	01	-	64	1005	484	2016	304	977	9
MOUNT COKELY	3B02A	1190	26	18	34	830	478	1016	178	701	23
WOLF RIVER (UPPER)	3B17P	1490	01	-	195	1152	1033	1777	512	1178	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

**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
					2005	2004	2003	Max.	Min.	Normal	
WEDEENE RIVER SOUTH	3C07	300	03	33	119	329	268	817	207	401*	20
TAHTSA LAKE	1B02	1300	26	220	836	736	666	1476	571	1025	53
TAHTSA LAKE	1B02P	1300	01	-	1006	738	692	1512	661	1084	11
BURNT BRIDGE CREEK	3C08P	1330	01	-	893	476	274	900	274	603*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

*March 1, 2005*

## PEACE

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	27	29	86	62	90	191	38	107	31
MACKENZIE A	4A19A	700	01	28	86	-	-	-	-	-	0
PACIFIC LAKE	1A11	770	25	105	394	467	326	832	277	569	42
BULLHEAD MOUNTAIN	4A28	790	01	29	86	89	-	142	0T	89	20
PHILIP LAKE	4A13	980	26	66	171	201	208	382	138	252	41
WARE (LOWER)	4A04	980	27	66	152	140	155	246	97	164	41
AIKEN LAKE	4A30P	1040	01	-	233	188	180	363	162	242	18
TUTIZZI LAKE	4A06	1070	26	85	218	201	191	386	140	230	41
TSAYDAYCHI LAKE	4A12	1160	26	115	332	255	267	540	166	342	41
PINK MOUNTAIN	4A14	1170	28	37	98	57	58	160	10A	77	41
KAZA LAKE	1A12	1190	26	119	336	261	213	478	186	297	39
PULPIT LAKE	4A09	1310	27	130	376	322	299	531	233	357	40

PULPIT LAKE	4A09P	1310	01	-	393	341	360	448	290	361	14
FREDRICKSON LAKE	4A10	1310	26	85	230	179	164	315	129	214	40
PINE PASS	4A02P	1400	01	-	954	725	600	1485	600	921	13
SIKANNI LAKE	4C01	1400	27	103	295	198	169	335	107	229	39
TRYGVE LAKE	4A11	1400	26	108	308	256	246	453	211	315	40
PINE PASS	4A02	1430	25	281	1095	924	720	1502	480	1005	41
MORFEE MOUNTAIN	4A16	1450	25	188	736	608	518	1166	312	739	37
LADY LAURIER LAKE	4A07	1460	27	157	503	364	295	662	255	438	38
MOUNT SHEBA	4A18	1490	25	177	692	511	432	1037	394	715	34
GERMANSEN (UPPER)	4A05	1500	26	86	237	232	225	520	174	302	44
MOUNT STEARNS	4A21	1500	27	56	145	96	76	227	56	123	30
JOHANSON LAKE	4B02	1540	26	94	280	224	191	368	148	253	41
MONKMAN CREEK	4A20	1550	25	128	451	284	222	925	211	522	23
WARE (UPPER)	4A03	1570	27	73	183	182	165	360	114	220	44
KWADACHA RIVER	4A27P	1620	01	-	266	210	221	405	195	289*	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											

# LIARD

## Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FORT NELSON A	4C05	380	01	34	62	51	97	177A	40	98	39
WATSON LAKE A	YK01	700	24	91	216	115	121	216	61	126*	39
FRANCES RIVER	YK02	730	23	93	226	156	134	312	65	135*	29
DEASE LAKE	4C03	820	05	66	130	84	118	229	45	125	40
JADE CITY	4C15	940	23	108	300	204	158	208	158	190*	3
SUMMIT LAKE	4C02	1280	28	59	99	90	-	190	0T	106	35
DEADWOOD RIVER	4C09P	1300	01	-	198	67	113	220	58	117*	11
SIKANNI LAKE	4C01	1400	27	103	295	198	169	335	107	229	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

Banner

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*March 1, 2005*

## STIKINE/TAKU

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SPEEL RIVER	AK03	80	01	155	691	686	429	1024	389B	657*	34
TELEGRAPH CREEK	4D01	580	01	53	133	110	108	345	53	156	30
NINGUNSAW PASS	4B10	690	04	111	380	294	287Z	629	232	408	30
DEASE LAKE	4C03	820	05	66	130	84	118	229	45	125	40
ISKUT	4D02	1000	01	35	98	70	75Z	176	33	107	30
KINASKAN LAKE	4D11P	1020	01	-	360	334	341	527	204	332*	14
TUMEKA CREEK	4D10P	1220	01	-	521	345	364	789	338	511*	15
WADE LAKE	4D14P	1370	01	-	330	244	248	475	162	293*	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

**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
					2005	2004	2003	Max.	Min.	Normal	
ATLIN LAKE	4E02A	730	04	49	137	98	104	185A	50	109*	21
LOG CABIN	4E01	880	24	124	381	372	207	514	124	330	44
PINE LK AIRSTRIP	YK03	1010	01	116	314	201	150A	330	25	187*	29
MONTANA MTN.	YK05	1020	24	67	178	124	83	202	65	125*	29
TAGISH	YK04	1080	24	87	227	111	88	198	75	119*	29
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
					2005	2004	2003	Max.	Min.	Normal	
TERRACE A	4B13A	180	25	No Snow		84	62	407	0	143*	23
BEAR PASS	4B11A	460	Not Available			463	400A	824	400A	610	21
NINGUNSAW PASS	4B10	690	04	111	380	294	287Z	629	232	408	30



GRANDUC MINE	4B12P	790	01	-	1568	1361	1384	1725	1361	1490*	3
CEDAR- KITEEN	4B18P	885	01	-	833	428	319	649	319	466*	4
MCKENDRICK CREEK	4B07	1050	24	76	216	159	198	391	159	269	37
TACHEK CREEK	4B06	1140	24	69	152	130	120	330	117	206	37
KAZA LAKE	1A12	1190	26	119	336	261	213	478	186	297	39
LU LAKE	4B15	1300	24	84	216	168	122	406	122	269	26
LU LAKE	4B15P	1310	01	-	229	161	116	319	116	269	6
TSAI CREEK	4B17P	1360	01	-	859	701	694	1384	694	893*	7
KIDPRICE LAKE	4B01	1370	24	206	774	574	461	1137	429	802	53
TRYGVE LAKE	4A11	1400	26	108	308	256	246	453	211	315	40
EQUITY MINE	4B14	1420	24	101	304	218	190	514	190	351	27
CHAPMAN LAKE	4B04	1460	24	112	350	266	300	691	266	414	40
SHEDIN CREEK	4B16P	1480	01	-	825	568A	563	904	563	713*	9
HUDSON BAY MTN.	4B03A	1480	25	129	398	298	312	719	287	459	33
MOUNT CRONIN	4B08	1480	24	124	416	371	345	869	345	522	36
JOHANSON LAKE	4B02	1540	26	94	280	224	191	368	148	253	41

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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)
- **New** - [Basin Snow Water Index Map](#)

## Basin Data and Graphs

- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)
- [Seasonal Volume Runoff Forecasts](#)

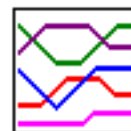
## Snow Survey Bulletin

## Snowpack and Water Supply Outlook for British Columbia

April 1, 2005

**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



[BC Summary Graphs of Snow Water Equivalents](#)

The April 1st snow survey is now complete. Data from 165 snow courses and 60 snow pillows around the province, with 27 out of province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

## Snowpack

Snow conditions are quite variable across the province for April 1st, with much of southern BC having below normal snowpacks, and central and northern BC having near normal or above normal snowpacks. Precipitation during the last half of March resulted in snow water conditions in most areas remaining close to their March 1st percentage of normal levels. For Vancouver Island, the lower Fraser valley and the South Coast, however, late-March precipitation has resulted in significant increases in snow water. Never-the-less, these areas, along with the Similkameen, portions of the west and south Okanagan, and southern portions of the East and West Kootenay continue with well to far below normal snowpacks. For Vancouver Island and the Similkameen, the current snow water conditions remain a record low. Southern portions of the Middle Fraser also have less

snow than usual. The North Thompson, South Thompson, Upper Fraser, Skeena, Peace and Liard river basins have snowpacks ranging from near normal to slightly above normal.

A notable condition for April 1st is the virtual absence of low elevation snow throughout much of south and central BC. Most low elevation snow throughout the Fraser, Thompson, Okanagan, Kettle and Similkameen basins, along with the Kootenays and the south coast, melted off in mid-January during a prolonged intense Pacific frontal storm system. Our Fraser basin "Low Elevation Index" is currently only 21% of normal snow water.

## Weather

Precipitation during March was normal to above normal in most areas of the province, except the upper Fraser, portions of the Columbia, and the Stikine. Overall, precipitation over the last five months (Nov-Mar) has been normal or above normal for most of BC. Exceptions are Cranbrook in the Kootenays and Princeton in the Similkameen, with Nov-Mar precipitation of only 68% and 75% of normal, respectively. Temperatures during March were above normal throughout much of BC, particularly for the first half of the month. Since mid-March temperatures have moderated closer to seasonal norms. The high temperatures in early March contributed to continuing low elevation snow melt in some areas, and further ripening of the snowpack throughout central and southern BC.

Runoff from rivers throughout the province remained high during March, for the fourth consecutive month. The Fraser River near Marguerite, the Fraser River at Hope, the Similkameen River at Princeton, and the Kootenay River at Fort Steele all continued with well above normal runoff, based on preliminary WSC data.

## Outlook

By April 1st, on average, greater than 95% of the peak snowpack for the year has accumulated, with the peak snowpack occurring generally around mid-April. Some regions have very low snowpack and little season remaining to accumulate additional snow. These include the South Coast, Vancouver Island, Lower Fraser, Similkameen, the south and west Okanagan, and the southern Kootenays.

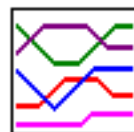
For these regions we are anticipating an earlier than usual onset of low flow conditions. **Unless significant snow accumulations occur over the remaining winter period and spring precipitation is at least normal, there is potential for unusually low summer season flow in rivers throughout southern BC, and throughout the south coast and Vancouver Island.** This is particularly so for rivers unsupported by storage.

Some regions currently have near enough normal snowpacks that peak

snowpacks for the year are anticipated to be near normal or even above normal. These include the Peace, Nechako, Stikine, Liard, Skeena, Upper Fraser, North Thompson and South Thompson. For these areas there is a significant potential for high flows during May and June, during the snowmelt freshet runoff.

[• Top](#)

## Upper Fraser & Nechako Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

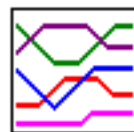
### April 1

The Snow Water Index for the upper Fraser is at 100% of normal for April 1, similar to its April 1st level. Precipitation at Prince George was below normal for March (66% of normal), but was 90% of normal for November-March. Low elevation snow is well below normal.

The Nechako Snow Water Index is 95% of normal. Mid and upper elevation snowpacks appear near normal, while lower elevation snow is below normal. Precipitation in the Nechako basin was above normal during March.

Regional streamflows were well above normal during March. Runoff from the Fraser River at Marguerite, a regional indicator, was 206% of average for the month.

## Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### April 1

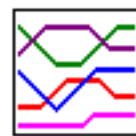
Snow water equivalencies throughout the middle and lower Fraser are highly variable as of April 1. The Middle Fraser overall had an overall April 1 Snow Water Index of 75% of normal, an increase from the March 1 value. Southern portions of the middle Fraser have snow water equivalencies in the 30-60% range. In addition, low elevation snow is very low, and absent in many areas. The Fraser River "Low Elevation Index" was at 21% of normal for April 1.

The Lower Fraser had well below normal snowpacks as of April 1, with a Snow Water Index of only 43% of normal. A number of snow courses are reporting record low snow water for this date. The extremely low snowpack levels throughout the lower Fraser result, in part, from the significant melt and runoff experienced during mid-January, when an intense Pacific frontal system moved onto the south coast, producing high rainfall and elevated freezing levels. Some snowmelt and snowpack ripening has continued with the warm temperatures during the first half of March.

Streamflows remain well above normal for this date, reflecting the rainfall and warm temperatures over the past 3 months. The Fraser River at Hope, used as a regional indicator, experienced 171% of normal runoff for March.

[• Top](#)

## Thompson Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

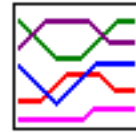
### April 1

The North Thompson Snow Water Index is 92% of normal for April 1, which is a decrease from March 1. Precipitation in the basin was close to normal for March (97% of normal for Blue River), but above normal for the cumulative winter period (112% of normal for November - March). Snow pack development appears to be good at mid and high elevations, but with below normal snow at low elevation. The Blue River and Knouff Lake snow courses both lost snow water between March 1 and April 1.

The South Thompson Index was 90% of normal at April 1, similar to its March 1 value. Snowpack development appears to be close to normal at high elevation, but is poorer at low elevation. Some low elevation snow melted off during the January 17-22 period, from the combination of rain and prolonged warm temperatures associated with a Pacific frontal system.

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spences Bridge, have remained above normal since November, due to the warmer temperatures and rainfall. The March average discharge was 177% of normal.

## Columbia Basin



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



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

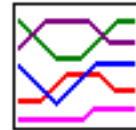
### April 1

The mid to upper elevation Snow Water Index for the Upper and Lower Columbia is at 86% of normal, decreased from the March 1 value of 89%. Individual snow survey stations range from well below to slightly above normal. Precipitation at Revelstoke was 59% of normal for March, and 85% of normal for the cumulative November - March period.

Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, were above normal March, at 120% of normal.

[• Top](#)

## Kootenay Basin



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



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

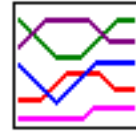
### April 1

The April 1 Snow Water Index for the Kootenay is only 76% of normal, unchanged from its March 1 value. Individual station readings are variable. For the East Kootenay, low elevation snow appears to be well below normal, while high elevation snow is 70-90% of normal. Many stations in the West Kootenay are well below normal for April 1, in the 50-70% of normal range.

Cranbrook, the Kootenay indicator climate station, has had comparatively less precipitation than any other indicator station in the province. It received well above average precipitation during March, but is still only at 68% of normal for the November to March period.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, have continued for the fifth consecutive month of being above normal. The March average runoff was 130% of normal.

## Okanagan, Kettle, and Similkameen Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### April 1

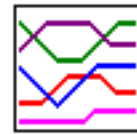
The overall Snow Water Index for the Okanagan-Kettle is 82% of normal, largely unchanged from March 1. Individual station readings for the Kettle are generally below 85% of normal. For the Okanagan, individual station readings vary from below to well below normal. Only one station is above normal at April 1 (Mission Creek snow pillow, at 119%). In general, snow water values at low elevation and along south and west sides of the Okanagan are low, in the 45-75% of normal range. Snow water values at higher elevation and along the north and east side of the Okanagan basin are higher. Silver Star Mountain is 89% of normal, Greyback Reservoir is 85%, and Graystoke Lake is 86%. Trout Creek on the west valley is only 58% of normal.

The Similkameen basin Snow Water Index is only 44% of normal for April 1. This is the lowest April 1 index value recorded for the Similkameen. Based on an April-July volume runoff forecast of 740 million cubic metres (602,000 acre-feet) (45% of 1971-200 Normal) for the Similkameen River at Nighthawk, the International Osoyoos Lake Board of Control will likely issue a formal drought declaration with respect to the operation of the Zosel Dam on Osoyoos Lake near Oroville, Washington.

Precipitation at Kelowna was slightly above normal for March, and for the Nov-Mar cumulative winter period (107% of normal). Precipitation at Princeton, in the Similkameen, was 110% of normal for March but only 75% of normal for the 5-month period of November - March. An additional factor the the low snow in the Similkameen and south Okanagan is the intense Pacific frontal system that affected south and central BC during the January 17-22 period. The elevated freezing levels and rainfall associated with this event resulted in significant snowmelt and runoff.

Streamflows in the region, as indicated by inflows to Okanagan Lake, were far above normal during November, December, January and March, due to fall and winter rainfall, and warmer than usual temperatures producing snowmelt. Inflows during March were 57.7 kdam<sup>3</sup> (237% of normal), while inflows during the 5-month November - March period were 181 kdam<sup>3</sup> (272% of normal).

## Vancouver Island & Coastal Regions



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



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

### April 1

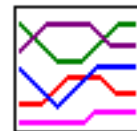
Snow packs on the Vancouver Island and South Coastal regions remain well below normal as of April 1. The Vancouver Island average snow water index is only 21% of normal. This is a record low for April 1. The South Coastal index is 43% of normal, close to a record low. Despite their low levels, significant increases in snow water on Vancouver Island and the South Coast have occurred since mid-March.

Precipitation on Vancouver Island and the Coast was near normal for March, and near normal for the cumulative November to March period (90% at Nanaimo, 110% at Vancouver). However, much of the precipitation has occurred as rain, and substantial portions of the early winter accumulated snowpack melted off and became runoff during the mid-January "Tropical Punch" event. The Jump Creek, Wolf River, Upper Squamish, Chilliwack River, Wahleach, Great Bear, Spuzzum and Nostetuko snow pillows are all below record lows for April 1.

Despite their low levels, significant increases in snow water on Vancouver Island and the South Coast have occurred since mid-March. The Jump Creek pillow went from 0 mm snow water equivalence on March 18 to 185 mm on April 1 (and to 305 mm on April 7).

Stream flows, as indicated by mean monthly inflows to Upper Campbell Lake, were below normal during February and March, after being well above normal during November, December and January.

## North East Region



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



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

### April 1

Precipitation in the Peace River basin was above normal for March (134%), and has been normal for the cumulative November - March period (97% at



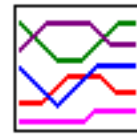
Ft. St. John). Overall, snow water conditions in the Peace River basin are good. The snow water equivalencies range generally from 90% to 120% of normal, with a basin average of 107% of normal, a significant increase from March 1.

Precipitation in the Liard River basin has been variable, with above normal precipitation for March, but close to normal precip for November - March. The basin Snow Water Index is 105% of normal at April 1, unchanged from March 1. Individual station values are quite variable, with snow water equivalencies range between 60% and 170%. Mid and high elevation snow in the Liard appears to be well above normal.

Regional stream flows, as reflected by the mean monthly inflows to Williston Lake, have been well above normal for March, continuing a pattern since November.

[• Top](#)

## North West Region



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### April 1

The Skeena/Nass basins have an average snow water index of 102% of normal for April 1, increased from their March 1 values. The Stikine/Taku basins have an average index of 99% of normal, reduced from March 1. There is some variability with the distribution of snow across the Northwest, with coastal areas appearing to have below normal snow packs while inland areas have normal to well above normal snow packs.

Precipitation across the Northwest has been variable during the winter. Precipitation at Smithers was 156% of normal for March, and 122% of normal for the cumulative November - March period. November was very wet (172%), associated with two Pacific frontal storms. For Dease Lake (Stikine index station), March was dry at only 46% of normal. The Stikine has received above normal precipitation over the winter (114% for November - March).

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, remain well above normal. Monthly runoff was 135% of normal for November, 164% for December and 146% for January, 158% for February and 224% for March.

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

*April 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PRINCE GEORGE A	1A10	690	30	No Snow		94	116	313	0	118	43
PACIFIC LAKE	1A11	770	02	96	407	564	469	879	290	628	42
BURNS LAKE	1A16	800	01	19	66	72	80	264	0	129	33
CANOE RIVER	2A01A	910	29	No Snow		57	0T	262	0T	98	64
PHILIP LAKE	4A13	980	03	72	214	251	263	423	176	287	42
HEDRICK LAKE	1A14	1100	02	150	598	621	503	1046	351	688	38
HEDRICK LAKE	1A14P	1100	01	-	829	615	623	964	581	725*	5
BIRD CREEK	1A23	1180	02	40	108	90	88	270	84	141*	15
KAZA LAKE	1A12	1190	03	135	408	307	271	453	226	338	40
LU LAKE	4B15	1300	29	85	214	222	162	484	162	318	28
FORFAR CREEK (UPPER)	1A24	1410	29	142	416	380	372	760	372	534	12
EQUITY MINE	4B14	1420	29	112	314	282	258	640	258	405	28
MOUNT SHEBA	4A18	1490	02	226	812	684	613	1146	495	825	36

BARKERVILLE	1A03P	1520	01	-	315	325A	221	524	221	387	28
KNUDSEN LAKE	1A15	1580	02	226	851	679	544	1255	485	826	36
MC BRIDE (UPPER)	1A02	1580	29	146	447	336	334	780	225	429	52
NARROW LAKE	1A21	1650	30	195	772	801	642	1350	541	900	30
REVOLUTION CREEK	1A17P	1690	01	-	1003	551	536	1222	453	798	19
LONGWORTH (UPPER)	1A05	1740	02	192	762	716	614	1234A	467	784	49
DOVE MOUNTAIN	1A19	1820	29	206	743	561	499	1057	416	761	34
MARMOT JASPER	AL12	1830	30	95	251	137	170	422	102	233*	35
YELLOWHEAD	1A01	1860	29	156	484	297	403	770	262	507	53
YELLOWHEAD	1A01P	1860	01	-	589	356	544	784	225	593	8
HOLMES RIVER	1A18	1900	29	234	815	530	592	1029	443	724	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
SKINS LAKE	1B05	880	02	No Snow		64	0T	203	0T	111	41
TAHTSA LAKE	1B02	1300	01	292	1046	922	917	1579	775	1179	52
TAHTSA LAKE	1B02P	1300	01	-	1213	908	966	1686	860	1212	12

KIDPRICE LAKE	4B01	1370	01	242	874	712Z	664	1247	622	919	51
MOUNT PONDOSY	1B08P	1400	01	-	753	597	564	1094	564	798	13
MOUNT WELLS	1B01	1490	01	150	536	306Z	273	960	273	524	50
NUTLI LAKE	1B07	1490	02	155	496	320	301	724	301	523*	14
MOUNT WELLS	1B01P	1490	01	-	655	372	344	725	344	573	13
MOUNT SWANNELL	1B06	1620	02	93	279	197	148	489	148	288*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	5	16	0	0	120C	0	31	35
BROOKMERE	1C01	980	01	15	51	131	146	399	86	201	60
NAZKO	1C08	1070	06	No Snow		0	6	165B	0	61	46
BIG CREEK	1C21	1140	30	No Snow		20	0	119	0	16	34
GRANITE MOUNTAIN	1C33	1150	31	29	87	172	93	261	73	181	12
DUFFY LAKE	1C28	1200	29	74	263	484	423	866	244	507	27
PAVILION	1C06	1230	31	No Snow		0	0	147	0	40	48
LAC LE JEUNE (LOWER)	1C07	1370	04	13	37	97	67	251	0	97	49

BRIDGE GLACIER (LOWER)	1C39	1400	02	130	356	446	558	1086	364	624*	10
DEADMAN RIVER	1C32	1430	31	23	62	90A	46	188	30	105	21
BRALORNE	1C14	1450	02	18	38	118	115	389	0	178	42
SHOVELNOSE MOUNTAIN	1C29	1450	28	23	70	165A	150A	442	108	260	26
BOSS MOUNTAIN MINE	1C20P	1460	01	-	476	566	420	844	420	615	11
BRENDA MINE	2F18	1460	01	65	159	275	190	531	178	318	36
LAC LE JEUNE (UPPER)	1C25	1460	04	27	74	144	118	228	43	135	32
BRENDA MINE	2F18P	1460	01	-	282	317	244	497	227	394	12
HIGHLAND VALLEY	1C09A	1510	01	14	30	96	74A	249	3A	96	39
BARKERVILLE	1A03P	1520	01	-	315	325A	221	524	221	387	28
HORSEFLY MOUNTAIN	1C13A	1550	30	109	478	454	300A	716	282	464	35
GNAWED MOUNTAIN	1C19	1580	01	14	21	120A	98A	307	37	126	37
MOUNT TIMOTHY	1C17	1660	31	84	267	310	191	533	186	327	42
YANKS PEAK EAST	1C41P	1670	01	-	799	709	521	994	521	829	8
PENFOLD CREEK	1C23	1680	30	292	1065	789	779	1285	641	1000	29
GREEN MOUNTAIN	1C12P	1780	01	-	622	661	917	1408	616	896	11
MCGILLIVRAY PASS	1C05	1800	02	144	451	413	539	1118	322	602	52
MISSION RIDGE	1C18P	1850	01	-	357	372	430	908	359	576	18
DOWNTON LAKE (UPPER)	1C38	1890	02	206	674	656	748	1416	566	900	10

TYAUGHTON CREEK (NORTH)	1C40	1950	02	128	346	288	466	844	288	432	10
BRALORNE (UPPER)	1C37	1980	02	141	440	494	590	1010	494	755	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											

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*April 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	5	16	0	0	120C	0	31	35
BROOKMERE	1C01	980	01	15	51	131	146	399	86	201	60
NAZKO	1C08	1070	06	No Snow		0	6	165B	0	61	46
BIG CREEK	1C21	1140	30	No Snow		20	0	119	0	16	34
GRANITE MOUNTAIN	1C33	1150	31	29	87	172	93	261	73	181	12
DUFFY LAKE	1C28	1200	29	74	263	484	423	866	244	507	27
PAVILION	1C06	1230	31	No Snow		0	0	147	0	40	48
LAC LE JEUNE (LOWER)	1C07	1370	04	13	37	97	67	251	0	97	49
BRIDGE GLACIER (LOWER)	1C39	1400	02	130	356	446	558	1086	364	624*	10
DEADMAN RIVER	1C32	1430	31	23	62	90A	46	188	30	105	21
BRALORNE	1C14	1450	02	18	38	118	115	389	0	178	42
SHOVELNOSE MOUNTAIN	1C29	1450	28	23	70	165A	150A	442	108	260	26

BOSS MOUNTAIN MINE	1C20P	1460	01	-	476	566	420	844	420	615	11
BRENDA MINE	2F18	1460	01	65	159	275	190	531	178	318	36
LAC LE JEUNE (UPPER)	1C25	1460	04	27	74	144	118	228	43	135	32
BRENDA MINE	2F18P	1460	01	-	282	317	244	497	227	394	12
HIGHLAND VALLEY	1C09A	1510	01	14	30	96	74A	249	3A	96	39
BARKERVILLE	1A03P	1520	01	-	315	325A	221	524	221	387	28
HORSEFLY MOUNTAIN	1C13A	1550	30	109	478	454	300A	716	282	464	35
GNAWED MOUNTAIN	1C19	1580	01	14	21	120A	98A	307	37	126	37
MOUNT TIMOTHY	1C17	1660	31	84	267	310	191	533	186	327	42
YANKS PEAK EAST	1C41P	1670	01	-	799	709	521	994	521	829	8
PENFOLD CREEK	1C23	1680	30	292	1065	789	779	1285	641	1000	29
GREEN MOUNTAIN	1C12P	1780	01	-	622	661	917	1408	616	896	11
MCGILLIVRAY PASS	1C05	1800	02	144	451	413	539	1118	322	602	52
MISSION RIDGE	1C18P	1850	01	-	357	372	430	908	359	576	18
DOWNTON LAKE (UPPER)	1C38	1890	02	206	674	656	748	1416	566	900	10
TYAUGHTON CREEK (NORTH)	1C40	1950	02	128	346	288	466	844	288	432	10
BRALORNE (UPPER)	1C37	1980	02	141	440	494	590	1010	494	755	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											

## LOWER FRASER

### Snow Survey Measurements



					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SUMMALLO RIVER WEST	3D01C	790	31	No Snow		165	117	512B	0	238	13
BROOKMERE	1C01	980	01	15	51	131	146	399	86	201	60
CALLAGHAN CREEK	3A20	1040	01	134	556	700	524	1604	192	902	28
DISAPPOINTMENT LAKE	1D18P	1040	30	-	430P	1410P	-	1966	1248P	1639*	4
DICKSON LAKE	1D16	1070	30	136	436	1648	1004	2990A	738	1547	13
DOG MOUNTAIN	3A10	1080	01	95	300	1326	421	2720A	51	1223	60
BEAVER PASS	WA12	1120	30	43	112	551	559	1849	94	782*	60
KLESILKWA	3D03A	1130	30	13	19	142	125	792	0	293	57
SPUZZUM CREEK	1D19P	1180	01	-	465	1508	1159	2096	1031	1518*	5
DUFFEY LAKE	1C28	1200	29	74	263	484	423	866	244	507	27
STAVE LAKE	1D08	1210	30	135	446	1452	984	2750A	579	1554	37
WAHLEACH LAKE	1D09	1400	30	72	178	651	465	1270	125	659	37
WAHLEACH LAKE	1D09P	1400	01	-	614	1173	850	1380P	634	1154	13
NAHATLATCH RIVER	1D10	1520	30	157	524	1050	1171	2410A	749	1417	37
EASY PASS	WA13	1580	Not Available			-	-	3094	996	2061*	31
CHILLIWACK RIVER	1D17P	1600	01	-	713	1530	1268	1894	1040	1377*	11
GREAT BEAR	1D15P	1660	01	-	769	1421	1331	2400	998	1784	13
TENQUILLE LAKE	1D06	1680	29	218	772	922	1071	1795	605	1159	52
TENQUILLE LAKE	1D06P	1680	01	-	765	844	1080	1193	713	958*	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											

## SKAGIT

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SUMALLO RIVER WEST	3D01C	790	31	No Snow		165	117	512B	0	238	13
FREEZEOUT CREEK TRAIL	WA11	1070	31	15	43	198	208	665	8	303*	60
BEAVER PASS	WA12	1120	30	43	112	551	559	1849	94	782*	60
KLESILKWA	3D03A	1130	30	13	19	142	125	792	0	293	57
LIGHTNING LAKE	3D02	1220	02	26	60	274	239	622	140	305	57
HARTS PASS	WA09	1980	31	162	510	924	932	1725	541	1086*	62
HARTS PASS	WA09P	1980	01	-	429	884	655	1770	546	1005*	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*April 1, 2005*

## NORTH THOMPSON

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	03	53	238	298	154	425	154	276	22
KNOUFF LAKE	1E05	1200	30	30	94	86	96	274	58	144	49
COOK CREEK	1E14P	1280	01	-	506	604	409	664	409	562*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	-	476	566	420	844	420	615	11
MOUNT COOK	1E02P	1550	01	-	1028	1040A	1133	1406	939	1130*	4
AZURE RIVER	1E08	1620	30	290	1043	874	893	1422A	686	1086	35
AZURE RIVER	1E08P	1620	01	-	1189	911	919	1511	716	1155	8
ADAMS RIVER	1E07	1720	02	180	632	564	520	1069	435	707	35

KOSTAL LAKE	1E10P	1770	01	-	884	728	641	1165	618	878	20
NORTH CLEMINA CREEK	1E13	1860	29	222	756	594	669	1018	560	808	16
TROPHY MOUNTAIN	1E03A	1860	02	156	550	430	332	888	332	545	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											

## SOUTH THOMPSON

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	03	45	170	288	155	561	142	353	47
ABERDEEN LAKE	1F01A	1310	04	15	59	137	95	259	6	143	66
MONASHEE PASS	2E01	1370	Not Measured			327	295	517	188	343	56
BOULEAU LAKE	2F21	1400	27	90	256	294	212	564	172B	354	34
CELISTA MOUNTAIN	1F06P	1500	01	-	765	-	-	-	-	-	0
ADAMS RIVER	1E07	1720	02	180	632	564	520	1069	435	707	35
KIRBYVILLE LAKE	2A25	1750	05	264	992	1010	945	1816	701	1189	32
SILVER STAR MOUNTAIN	2F10	1840	03	184	675	608	640	1115	414	760	46
PARK MOUNTAIN	1F03P	1890	01	-	840	735	762	1207	549	867	20

ENDERBY	1F04	1900	06	237	938	798	920	1430	610	1019	42
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
					2005	2004	2003	Max.	Min.	Normal	
PUNTZI MOUNTAIN	1C22	940	30	5	16	0	0	120C	0	31	35
BROOKMERE	1C01	980	01	15	51	131	146	399	86	201	60
NAZKO	1C08	1070	06	No Snow		0	6	165B	0	61	46
BIG CREEK	1C21	1140	30	No Snow		20	0	119	0	16	34
GRANITE MOUNTAIN	1C33	1150	31	29	87	172	93	261	73	181	12
DUFFY LAKE	1C28	1200	29	74	263	484	423	866	244	507	27
PAVILION	1C06	1230	31	No Snow		0	0	147	0	40	48
LAC LE JEUNE (LOWER)	1C07	1370	04	13	37	97	67	251	0	97	49
BRIDGE GLACIER (LOWER)	1C39	1400	02	130	356	446	558	1086	364	624*	10
DEADMAN RIVER	1C32	1430	31	23	62	90A	46	188	30	105	21
BRALORNE	1C14	1450	02	18	38	118	115	389	0	178	42
SHOVELNOSE MOUNTAIN	1C29	1450	28	23	70	165A	150A	442	108	260	26

BOSS MOUNTAIN MINE	1C20P	1460	01	-	476	566	420	844	420	615	11
BRENDA MINE	2F18	1460	01	65	159	275	190	531	178	318	36
LAC LE JEUNE (UPPER)	1C25	1460	04	27	74	144	118	228	43	135	32
BRENDA MINE	2F18P	1460	01	-	282	317	244	497	227	394	12
HIGHLAND VALLEY	1C09A	1510	01	14	30	96	74A	249	3A	96	39
BARKERVILLE	1A03P	1520	01	-	315	325A	221	524	221	387	28
HORSEFLY MOUNTAIN	1C13A	1550	30	109	478	454	300A	716	282	464	35
GNAWED MOUNTAIN	1C19	1580	01	14	21	120A	98A	307	37	126	37
MOUNT TIMOTHY	1C17	1660	31	84	267	310	191	533	186	327	42
YANKS PEAK EAST	1C41P	1670	01	-	799	709	521	994	521	829	8
PENFOLD CREEK	1C23	1680	30	292	1065	789	779	1285	641	1000	29
GREEN MOUNTAIN	1C12P	1780	01	-	622	661	917	1408	616	896	11
MCGILLIVRAY PASS	1C05	1800	02	144	451	413	539	1118	322	602	52
MISSION RIDGE	1C18P	1850	01	-	357	372	430	908	359	576	18
DOWNTON LAKE (UPPER)	1C38	1890	02	206	674	656	748	1416	566	900	10
TYAUGHTON CREEK (NORTH)	1C40	1950	02	128	346	288	466	844	288	432	10
BRALORNE (UPPER)	1C37	1980	02	141	440	494	590	1010	494	755	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

Banner

[Go to Columbia Snow Station Map](#)

# COLUMBIA

*April 1, 2005*

## UPPER COLUMBIA

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
CANOE RIVER	2A01A	910	29	No Snow		57	0T	262	0T	98	64
DOWNIE SLIDE (LOWER)	2A27	980	05	109	450	-	502	1062	448	680	27
GLACIER	2A02	1250	31	151	535	661	611	1161	371B	730	68
FIELD	2A03A	1280	30	31	108	131	86	251	8	153	65
SUNWAPTA FALLS	AL11	1400	30	76	203	127	175	333	89	193*	36
VERMONT CREEK	2A19	1520	06	84	232	364	295	843	190	446	39
AZURE RIVER	1E08	1620	30	290	1043	874	893	1422A	686	1086	35
AZURE RIVER	1E08P	1620	01	-	1189	911	919	1511	716	1155	8
DOWNIE SLIDE (UPPER)	2A29	1630	05	265	1060	1132	1120	2360A	858	1347	27
KICKING HORSE	2A07	1650	30	96	250	314	272	589	185	346	57



KIRBYVILLE LAKE	2A25	1750	05	264	992	1010	945	1816	701	1189	32
MOUNT REVELSTOKE	2A06P	1830	01	-	1035	1062	1077	1686	709	1230	12
NORTH CLEMINA CREEK	1E13	1860	29	222	756	594	669	1018	560	808	16
FIDELITY MOUNTAIN	2A17	1870	28	288	1143	1234	1012	1951	730	1248	42
BEAVERFOOT	2A11	1890	06	53	140	162	152	460	105	222	45
KEYSTONE CREEK	2A18	1890	05	191	662	657	614	1388	485	827	38
BUSH RIVER	2A23	1920	05	196	726	690	750A	1331	455	865	38
NIGEL CREEK	AL10	1920	30	135	369	322	272	700	198	420*	36
GOLDSTREAM	2A16	1920	05	270	1067	1029	951	1638A	785	1157	41
MOLSON CREEK	2A21P	1980	01	-	1061	949	945	1223	651	1014	22
MOUNT ABBOT	2A14	1980	28	295	1092	1148	1015	1849	698	1256	46
SUNBEAM LAKE	2A22	2010	05	232	887	828	762	1384	590	917	38
MIRROR LAKE	AL06	2030	29	111	279	259	234	561	160	301*	65
BOW SUMMIT II	AL07A	2080	04	131	388	330	290	584B	180	362*	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											

## LOWER COLUMBIA

### Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FERGUSON	2D02	880	29	102	426	589	421	881	142	587	67
BAIRD	WA02	980	29	36	117	180	137	363	0	157*	45
FARRON	2B02A	1220	30	78	265	285	243	480	162	330	32
MONASHEE PASS	2E01	1370	Not Measured			327	295	517	188	343	56
WHATSHAN (UPPER)	2B05	1480	Not Measured			642	580	964	350	668	47
BARNES CREEK	2B06	1620	Not Measured			486	520	768	299	518	48
BARNES CREEK	2B06P	1620	01	-	596	484	593	773	323	546	12
ST. LEON CREEK	2B08	1800	Not Measured			1144	1107	1831	818	1253	36
ST. LEON CREEK	2B08P	1800	01	-	919	968	1001	1553	581	1133	11
KOCH CREEK	2B07	1860	Not Measured			710	-	1156	397	755	45
RECORD MOUNTAIN	2B09	1890	25	131	432B	655	748	1307	315	752	30
EAST CREEK	2D08P	2030	01	-	848	717	690	1245	442	922	23

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

[Go to Columbia Snow Station Map](#)

# KOOTENAY

*April 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
KISHENEHN	MT01	1190	28	20	53	183	147	465	36	201*	58
FERNIE EAST	2C07	1250	29	43	123	201	217Z	605	151	335	53
SINCLAIR PASS	2C01	1370	30	34	96	100A	64	262A	36	135	68
BRUSH CREEK TIMBER	MT03	1520	28	15	51	114	119	434	76	240*	53
SULLIVAN MINE	2C04	1550	26	58	144	232	238	538	137	313	59
VERMILLION RIVER No. 3	2C20	1570	30	87	246	-	-	401	175	297	11
WEASEL DIVIDE	MT02	1660	30	185	587	742	678	1346	312	826*	64
KIMBERLEY (MIDDLE)V O R	2C12	1680	30	49	116	194	221	462	141	279	36

BANFIELD MOUNTAIN	MT05	1710	28	76	196	353B	391	919	236	534*	34
BANFIELD MOUNTAIN	MT05P	1710	01	-	229	348	416	739	279	450*	7
MOUNT JOFFRE	2C16	1750	06	120	307	279	299	711	179	388	36
MORRISSEY RIDGE	2C09Q	1800	01	-	525	626	675	1224	360	744	21
RED MOUNTAIN	MT04	1830	29	102	259	373	411	810	211	480*	66
MOYIE MOUNTAIN	2C10P	1930	01	-	315	401	424	679	216	401	25
HAWKINS LAKE	MT06	1970	29	160	439	564B	648	1313	399	757*	32
HAWKINS LAKE	MT06P	1970	01	-	394	533	597	1001	310	599*	7
ALLISON PASS	AL01	1980	31	119	306	354	375	823	247	478*	41
WILKINSON SUMMIT (BUSH)	AL03	1980	29	56	154	188	172	460	100	214*	41
THUNDER CREEK	2C17	2010	06	82	213	213	-	475	140A	287	34
FLOE LAKE	2C14	2090	06	187	550	660	691	1242	411	791	35
FLOE LAKE	2C14P	2090	01	-	638	656	653	1001	360	724	10
KIMBERLEY (UPPER) V O R	2C11	2140	30	110	260	343	383	798	197	467	36
HIGHWOOD SUMMIT (BUSH)	AL02	2210	29	138	363	330	323	681	180	391*	34
MOUNT ASSINIBOINE	2C15	2230	06	155	444	452	460	816	252	551	36
SUNSHINE VILLAGE	AL05	2230	Not Available			493	493	996	277	598*	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

**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
					2005	2004	2003	Max.	Min.	Normal	
DUNCAN LAKE NO. 2	2D07A	650	30	No Snow		142	0	223	0	88*	14
FERGUSON	2D02	880	29	102	426	589	421	881	142	587	67
NELSON	2D04	930	31	54	223	374	237	622	137	372	67
SANDON	2D03	1070	27	46	156	355	289Z	585	71	357	66
CHAR CREEK	2D06	1310	01	117	354	557	511	940	273	563	39
SMITH CREEK	ID01	1460	Not Available			1016	986	1940	508	1115*	63
BUNCHGRASS MEADOW	WA01P	1520	01	-	478	643	742	1214	414	779*	7
GRAY CREEK (LOWER)	2D05	1550	30	116	296	487	407	688	290	472	56
KOCH CREEK	2B07	1860	Not Measured			710	-	1156	397	755	45
MOUNT TEMPLEMAN	2D09	1860	Not Measured			892	1010A	1608	688	1076	35
GRAY CREEK (UPPER)	2D10	1910	31	187	550A	689	-	1123	492	783	34
EAST CREEK	2D08P	2030	01	-	848	717	690	1245	442	922	23
REDFISH CREEK	2D14P	2104	01	-	994	1046	1193	1519	1046	1253*	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

**Banner**

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

*April 1, 2005*

## KETTLE

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FARRON	2B02A	1220	30	78	265	285	243	480	162	330	32
GOAT CREEK	WA04	1220	28	8	25	30	68	274	0	109*	40
CARMI	2E02	1250	03	21	64	92	60	290	14	142	42
MONASHEE PASS	2E01	1370	Not Measured			327	295	517	188	343	56
SUMMIT G.S.	WA05	1400	28	61	175	216	226	338	23	208*	42
BIG WHITE MOUNTAIN	2E03	1680	03	138	436	460	428	762	332	507	39
GRANO CREEK	2E07P	1860	01	-	440	416	454	769	334	534*	7
BLUEJOINT MOUNTAIN	2E06	2040	Not Measured			678	-	1175	329	742	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
					2005	2004	2003	Max.	Min.	Normal	
MC CULLOCH	2F03	1280	01	30	80	82	52	249	38	155	67
SUMMERLAND RESERVOIR	2F02	1280	30	45	116	182	126	389	96	226	68
ABERDEEN LAKE	1F01A	1310	04	15	59	137	95	259	6	143	66
OYAMA LAKE	2F19	1340	01	19	108	161	88	255	61	170	34
POSTILL LAKE	2F07	1370	31	60	170	230	164	348	109	224	54
BOULEAU LAKE	2F21	1400	27	90	256	294	212	564	172B	354	34
VASEUX CREEK	2F20	1400	01	11	40	98	84	239	72	157	34
ESPERON CR (MIDDLE)	2F14	1430	27	86	242	348	212	607	196	372	37
TROUT CREEK	2F01	1430	02	36	106	158	130B	396	52	182	68
BRENDA MINE	2F18	1460	01	65	159	275	190	531	178	318	36
BRENDA MINE	2F18P	1460	01	-	282	317	244	497	227	394	12
ISLAHT LAKE	2F24	1480	30	73	178	297	189	501	165A	349	22
GREYBACK RESERVOIR	2F08	1550	01	75	199	216	247	351	114	233	51
ESPERON CR (UPPER)	2F13	1650	27	97	292	392	254	805	244	435	36
ISINTOK LAKE	2F11	1680	30	23	72	145	110	424	66	183	40
MACDONALD LAKE	2F23	1740	01	114	307	410	300	677	257	463	28
MUTTON CREEK NO. 1	WA07	1740	25	30	56B	274	381B	721	79	344*	64
MISSION CREEK	2F05P	1780	01	-	563	529	458	728	278	472	33



GRAYSTOKE LAKE	2F04	1810	01	113	350	284	284	828	196	405	35
MOUNT KOBAU	2F12	1810	30	74	202	240	297	602	105	318	39
WHITEROCKS MOUNTAIN	2F09	1830	31	122	379	495	343	1021	318	586	50
SILVER STAR MOUNTAIN	2F10	1840	03	184	675	608	640	1115	414	760	46
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
					2005	2004	2003	Max.	Min.	Normal	
BROOKMERE	1C01	980	01	15	51	131	146	399	86	201	60
FREEZEOUT CREEK TRAIL	WA11	1070	31	15	43	198	208	665	8	303*	60
LIGHTNING LAKE	3D02	1220	02	26	60	274	239	622	140	305	57
HAMILTON HILL	2G06	1490	31	28	83	267	244	851	164	356	45
MISSEZULA MOUNTAIN	2G05	1550	29	32	90	172	123	516B	104	242	44
ISINTOK LAKE	2F11	1680	30	23	72	145	110	424	66	183	40
LOST HORSE MOUNTAIN	2G04	1920	28	52	136	231	174	533	146E	243	42
BLACKWALL PEAK	2G03P	1940	01	-	428	690	623	1494	400	833	37
HARTS PASS	WA09	1980	31	162	510	924	932	1725	541	1086*	62

HARTS PASS	WA09P	1980	01	-	429	884	655	1770	546	1005*	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*April 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PALISADE LAKE	3A09	880	30	96	300	1381	-	3560A	285	1440	56
PALISADE LAKE	3A09P	880	Not Available			-	-	1680	678	1179*	2
POWELL RIVER (LOWER)	3A05	910	Not Measured			721	-	1554	85	743	45
CALLAGHAN CREEK	3A20	1040	01	134	556	700	524	1604	192	902	28
POWELL RIVER (UPPER)	3A02	1040	Not Measured			1160	-	1813	467	1046	42
DOG MOUNTAIN	3A10	1080	01	95	300	1326	421	2720A	51	1223	60
GROUSE MOUNTAIN	3A01	1100	01	141	510	1512B	600	2670A	44	1203	69
ORCHID LAKE	3A19	1190	30	200	750	1846	-	3770A	980	1905	31

ORCHID LAKE	3A19P	1190	01	-	717	1971	1430	3819	1220	1952*	18
UPPER SQUAMISH RIVER	3A25P	1340	01	-	803	1403	1406	1853	1039	1620	14
NOSTETUKO RIVER	3A22P	1500	01	-	233	446	417	988	359	594*	14
UPPER MOSELY CREEK	3A24P	1650	01	-	379	248	135	567	135	277*	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

## 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
					2005	2004	2003	Max.	Min.	Normal	
ELK RIVER	3B04	270	04	No Snow		0	0	607	0	89	43
WOLF RIVER (LOWER)	3B19	640	04	21	46	346	164	1198	0	381	33
TENNENT LAKE	3B22	950	Not Measured			1080A	712	2830A	432	1034	17
UPPER THELWOOD LAKE	3B10	980	04	134	354	1475A	1124	3200A	492	1554	45
WOLF RIVER (MIDDLE)	3B18	1070	04	65	150	688	532	1706	0	664	33

FORBIDDEN PLATEAU	3B01	1130	04	159	378	1550A	1252	3550A	413	1595	50
JUMP CREEK	3B23P	1160	01	-	184	1159	649	1643	401	1208	8
MOUNT COKELY	3B02A	1190	Not Measured			990	692	2100A	331	864	25
WOLF RIVER (UPPER)	3B17P	1490	01	-	305	1359	1454	1878	796	1420	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

## NORTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
WEDEENE RIVER SOUTH	3C07	300	05	28	88	352	308	733	36	361*	21
TAHTSA LAKE	1B02	1300	01	292	1046	922	917	1579	775	1179	52
TAHTSA LAKE	1B02P	1300	01	-	1213	908	966	1686	860	1212	12
BURNT BRIDGE CREEK	3C08P	1330	01	-	983	638	420	1028	201	639*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

*April 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FORT ST. JOHN A	4A25	690	26	17	34	86	133	210	0	102	31
MACKENZIE A	4A19A	700	31	0	0	-	-	-	-	-	0
PACIFIC LAKE	1A11	770	02	96	407	564	469	879	290	628	42
BULLHEAD MOUNTAIN	4A28	790	Not Available			109	106	168	0T	95	20
PHILIP LAKE	4A13	980	03	72	214	251	263	423	176	287	42
WARE (LOWER)	4A04	980	04	64	177	153	202	316	112B	188	42
AIKEN LAKE	4A30P	1040	01	-	270	244	225	371	206	258	18
TUTIZZI LAKE	4A06	1070	03	88	259	223	257	406	166	255	42
TSAYDAYCHI LAKE	4A12	1160	03	154	467	335	338	584	234	394	42
PINK MOUNTAIN	4A14	1170	31	35	112	55A	71	175	16	85	41
KAZA LAKE	1A12	1190	03	135	408	307	271	453	226	338	40

FREDRICKSON LAKE	4A10	1310	03	93	259	209	228	351	163B	245	42
PULPIT LAKE	4A09	1310	04	150	454	375	357	556	297	402	42
PULPIT LAKE	4A09P	1310	01	-	460	387	433	500	378	411	14
PINE PASS	4A02P	1400	01	-	1207	917	844	1530	844	1101	13
TRYGVE LAKE	4A11	1400	03	130	385	308	310	493	257	359	42
SIKANNI LAKE	4C01	1400	04	110	308	229	254	380	166	268	42
PINE PASS	4A02	1430	02	345	1333	1065	870	1562	668	1150	43
MORFEE MOUNTAIN	4A16	1450	02	229	864	724	689	1158	555	854	37
LADY LAURIER LAKE	4A07	1460	04	198	614	425	407	737	342	503	41
MOUNT SHEBA	4A18	1490	02	226	812	684	613	1146	495	825	36
GERMANSEN (UPPER)	4A05	1500	03	128	342	321	293	523	200	352	43
MOUNT STEARNS	4A21	1500	04	60	172	124	154	239	59	148	30
JOHANSON LAKE	4B02	1540	03	116	329	277	280	417	173	291	42
MONKMAN CREEK	4A20	1550	02	159	529	420	313	1067	313	593	26
WARE (UPPER)	4A03	1570	04	87	237	226	-	390	157	254	41
KWADACHA RIVER	4A27P	1620	01	-	315	236	304	446	236	334*	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

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

WATER EQUIVALENT (mm)



Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FORT NELSON A	4C05	380	01	21	57	46	155	198	23	95	39
WATSON LAKE A	YK01	700	30	77	213	125	141	229	71	126*	38
FRANCES RIVER	YK02	730	30	81	241	174	151	302	76	150*	28
DEASE LAKE	4C03	820	29	56	140	90A	181	259	50A	136	40
JADE CITY	4C15	940	26	100	322	228	174	228	174	207*	3
SUMMIT LAKE	4C02	1280	27	66	151	96	-	240	0	114	36
DEADWOOD RIVER	4C09P	1300	01	-	232	86	154	283	70	141*	11
SIKANNI LAKE	4C01	1400	04	110	308	229	254	380	166	268	42

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

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*April 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
SPEEL RIVER	AK03	80	29	132	564	838	518	1402	300	770*	36
TELEGRAPH CREEK	4D01	580	01	38	117	125	109	343	37	156	30
NINGUNSAW PASS	4B10	690	01	114	399	398	353	620	231	438	30
DEASE LAKE	4C03	820	29	56	140	90A	181	259	50A	136	40
ISKUT	4D02	1000	31	30	94	87	130	167	0	107	30
KINASKAN LAKE	4D11P	1020	01	-	401	473	435	570	256	386*	14
TUMEKA CREEK	4D10P	1220	01	-	566	491	484	869	387	589*	15
WADE LAKE	4D14P	1370	01	-	368	315	315	527	232	342*	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

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ATLIN LAKE	4E02A	730	28	41	132	194	98	197	50	121*	21
LOG CABIN	4E01	880	31	135	451	484	223	596	213	372	45
PINE LK AIRSTRIP	YK03	1010	29	108	324	239	156	351	122	220*	29
MONTANA MTN.	YK05	1020	31	69	167	127	134	217A	84	136*	28
TAGISH	YK04	1080	29	82	231	129	107	177	73	132*	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											

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TERRACE A	4B13A	180	30	No Snow		0	19	333	0	78*	25
BEAR PASS	4B11A	460	29	159	651	554	448	900	408	706	21
NINGUNSAW PASS	4B10	690	01	114	399	398	353	620	231	438	30

GRANDUC MINE	4B12P	790	01	-	1755	1661	1609	1815	1609	1695*	3
CEDAR- KITEEN	4B18P	885	01	-	975	593	454	773	454	602*	4
MCKENDRICK CREEK	4B07	1050	29	75	228	204	251	427	183	297	37
TACHEK CREEK	4B06	1140	30	72	186	140	178	362	112	232	37
KAZA LAKE	1A12	1190	03	135	408	307	271	453	226	338	40
LU LAKE	4B15	1300	29	85	214	222	162	484	162	318	28
LU LAKE	4B15P	1310	01	-	248	199	169	398	154	242*	6
TSAI CREEK	4B17P	1360	01	-	1084	938	919	1534	919	1080*	7
KIDPRICE LAKE	4B01	1370	01	242	874	712Z	664	1247	622	919	51
TRYGVE LAKE	4A11	1400	03	130	385	308	310	493	257	359	42
EQUITY MINE	4B14	1420	29	112	314	282	258	640	258	405	28
CHAPMAN LAKE	4B04	1460	29	134	403	341	392	762	315	474	40
HUDSON BAY MTN.	4B03A	1480	01	145	482	383	399	846	356	524	33
SHEDIN CREEK	4B16P	1480	01	-	1013	690A	731	1039	690A	859*	9
MOUNT CRONIN	4B08	1480	29	158	495	473	476	1097	433	612	36
JOHANSON LAKE	4B02	1540	03	116	329	277	280	417	173	291	42

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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)
- **New** - [Basin Snow Water Index Map](#)

## Basin Data and Graphs

- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)
- [Seasonal Volume Runoff Forecasts](#)

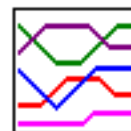
## Snow Survey Bulletin

## Snowpack and Water Supply Outlook for British Columbia

May 1, 2005

**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



[BC Summary Graphs of Snow Water Equivalents](#)

The May 1st snow survey is now complete. Data from 153 snow courses and 60 snow pillows around the province, with 18 out of province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

## Snowpack

In general, the May 1st snow survey reflects the peak snow accumulation for the winter. Snow conditions are quite variable across the province at May 1st, with much of southern and coastal BC having below normal snowpacks, and central and northern BC having near normal snowpacks. In all areas except the far north, low elevation snow is notably absent or well below normal. Precipitation during April was variable, ranging from almost no precipitation at Kamloops to well above normal precipitation across the South Coast. High temperatures affected most of BC during mid and late April, producing high rates of snowmelt, particularly from low and mid elevation areas. As a result, most basin Snow Water Indexes experienced a significant decline in snow water during April. Exceptions are Vancouver Island and the South Coast, which gained slightly (although they still

continue with very far below normal snow water conditions), and the North Thompson, which remained near its April 1 index level and continues to report near normal mid and upper elevation snow water conditions.

The North Thompson, South Thompson, Upper Fraser, Skeena, Peace and Liard river basins have May 1 snowpacks ranging from near normal to slightly below normal.

Vancouver Island, the lower Fraser valley and the South Coast, along with the Similkameen, portions of the west and south Okanagan, southern portions of the East and West Kootenay, and southern portions of the Middle and Lower Fraser (including the Nicola and Coldwater) continue with well to far below normal snowpacks as of May 1.

## Weather

Precipitation during April was variable, ranging from almost no precipitation in Kamloops to well above normal precipitation across the South Coast. Overall, precipitation over the winter (Nov-April) has been normal or above normal for much of BC. Exceptions are Cranbrook in the Kootenays and Princeton in the Similkameen, with Nov-Apr precipitation of only 60% and 70% of normal, respectively. Temperatures were near seasonal averages during early April, but rose to well above normal in mid and late April. The high temperatures contributed to significant snow melt and runoff from low and mid elevations, and snowpack ripening at high elevation.

Runoff from rivers throughout the province remained high during April, for the fifth consecutive month. Most rivers experienced a notable increase in water level and discharge in late April, resulting from the high temperatures and snowmelt. It is possible that some small rivers in south and central BC (e.g., Trout Creek, Vaseux Creek, Nicola River) may have experienced their freshet peak discharge in late April, and are already beginning their recession into low flow conditions.

## Outlook

The May 1st snow survey reflects the peak snow accumulation of the winter. Some regions have very low snowpack and will experience subdued spring snowmelt runoff. These include the South Coast, Vancouver Island, Lower Fraser, Similkameen, the south and west Okanagan, the southern Kootenays, and portions of the Middle and Lower Fraser including the Nicola and Coldwater basins.

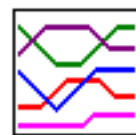
These regions will experience an earlier than usual onset of low flow conditions. **Unless spring and early summer precipitation is above normal, there is potential for unusually low summer season flow in rivers throughout these areas.** This is particularly so for rivers

unsupported by storage.

Some regions currently have near enough normal snowpacks that there is significant potential for high flows during May and June, during the snowmelt freshet runoff. These include the Peace, Nechako, Stikine, Liard, Skeena, Upper Fraser, North Thompson and South Thompson. Simulation model output indicates there is a reasonable probability for water levels on the Upper Fraser and Thompson to reach bankfull.

[• Top](#)

### Upper Fraser & Nechako Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

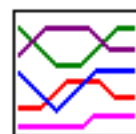
#### May 1

The Snow Water Index for the upper Fraser is at 84% of normal for May 1, reduced significantly from its April 1 level of 100%. Precipitation at Prince George was below normal for April (73% of normal), and was 87% of normal for November-April. Low elevation snow is well below normal, while upper elevation snow is generally in the 90-100% range. The Revolution Creek snow pillow is recording the highest snow water in the Upper Fraser, at 126% of normal.

The Nechako Snow Water Index is 84% of normal, reduced from 95% at April 1. Mid and upper elevation snowpacks are below normal, generally in the 85-95% of normal range. Lower elevation snow is below normal. Precipitation in the Nechako basin was below normal during April.

Regional streamflows were close to normal during April. Runoff from the Fraser River at Marguerite, a regional indicator, was 119% of average for the month. However, the late April snowmelt produced a peak flow of 3,180 cms on April 28, which is 70% of a 2-yr return period peak flow.

### Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

## May 1

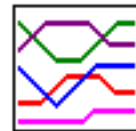
Snow water equivalencies throughout the Middle and Lower Fraser are highly variable as of May 1. The Middle Fraser overall had a May 1 Snow Water Index of 67% of normal, a decrease from the April 1 value. Only one snow course is reporting above normal snow (Penfold Creek in the upper Quesnel basin, at 111%). The Barkerville snow pillow is reporting 83% of normal. Most other upper elevation snow courses are in the 45-70% of normal range, including the west Fraser. Low elevation snow is very low or absent in most areas.

The Lower Fraser had well below normal snowpacks as of April 1, with a Snow Water Index of only 41% of normal. A number of snow courses continue to report record low snow water (Callaghan Creek, Dickson Lake, Stave Lake, Nahatlatch River, and others). The Nicola and Coldwater basins both have very poor snow conditions and are forecast to have far below normal freshet runoff.

Streamflows remain above normal during April, reflecting the warm temperatures over the the last half of the month. The Fraser River at Hope, used as a regional indicator, experienced 111% of normal runoff for April.

[• Top](#)

## Thompson Basin



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



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

## May 1

The North Thompson Snow Water Index is 93% of normal for May 1, a slight increase from April 1. Precipitation in the basin was variable during April, with 98% of normal precipitation measured at Blue River but only 1% of normal measured at Kamloops. Overall, winter precipitation was slightly above average over the cumulative winter period (110% of normal at Blue River and 106% at Kamloops). Snow pack development appears to be good at mid and high elevation (90-105%), but with below normal snow at low elevation. Low elevation snow courses (Blue River, Cook Creek) lost a lot of their accumulated snow water during April, while higher elevation courses continued to build snow pack (North Clemina Creek, Kostal Lake, Azure River)

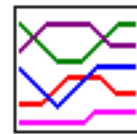
The South Thompson Index was 83% of normal at May 1, a decrease from April 1. Snowpacks appear to be slightly below normal at high elevation (80-



95%), but are very low or absent at low elevation. The Monashee Pass snow course (elev. 1370 m) had zero snow on May 1, which is a new low from 46 years of record. The Park Mountain snow pillow was at 98% of normal, and had accumulated significant snow water during April. Other high elevation snow courses (Enderby, Kirbyville Lake, Adams River) lost snow water during April when they would normally be accumulating.

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spences Bridge, have remained above normal since November, due to the warmer temperatures and rainfall. The March average discharge was 135% of normal, with a large portion of that runoff occurring during the melt period in late April.

## Columbia Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

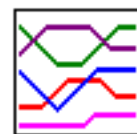
### May 1

The mid to upper elevation Snow Water Index for the Upper and Lower Columbia is at 80% of normal, decreased from the April 1 value of 86%. Individual snow survey sites range from well below to slightly below normal. Many mid and high elevation snow courses lost significant snow water during April when they would normally be accumulating (e.g., Sunbeam Lake, Bush River, Goldstream, St. Leon Creek pillow, others). Precipitation at Revelstoke was 79% of normal for April, and 84% of normal for the cumulative November - April period.

Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, were above normal in April, at 117% of normal.

[• Top](#)

## Kootenay Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### May 1

The May 1 Snow Water Index for the Kootenay is only 64% of normal, decreased from its April 1 value of 76%. Individual station readings are variable. For the East Kootenay, low elevation snow appears to be well below normal or absent, while high elevation snow is 50-80% of normal. Many stations in the West Kootenay are well below normal for May 1, in the 55-90% of normal range. Southern portions of the East and West Kootenay, along with low elevation areas, appear to have well below normal snow conditions.

Cranbrook, the Kootenay indicator climate station, has had comparatively less precipitation than any other indicator station in the province. It received 21% of average precipitation during April, and has received only 60% of normal precipitation for the November to April period.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, have continued for the fifth consecutive month of being above normal. The April average runoff was 107% of normal.

### **Okanagan, Kettle, and Similkameen Basins**



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

#### **May 1**

The overall Snow Water Index for the Okanagan-Kettle is only 68% of normal, significantly reduced from its April 1 level of 82%. Individual station readings for the Kettle are generally below 75% of normal. For the Okanagan, individual station readings vary from below to well below normal. Only one station is above normal at May 1 (Mission Creek snow pillow, at 104%). Most snow courses along the south and west side of the Okanagan have far below normal snow water conditions. Many snow courses have no snow (e.g., Trout Creek, Brenda Mine and Isintok Lake). In the case of the Brenda Mine snow pillow, it appears to be the earliest occurrence of zero snow in 12 years of record. Snow water values at higher elevation and along the north and east side of the Okanagan basin are variable, but are generally higher. Silver Star Mountain is 83% of normal, Greyback Reservoir is 34%, and Graystoke Lake is 68%.

The Similkameen basin Snow Water Index is only 30% of normal for May 1. Based on an April-July volume runoff forecast of 740 million cubic metres (602,000 acre-feet) (45% of 1971-200 Normal) for the Similkameen River at Nighthawk, the International Osoyoos Lake Board of Control has issued a formal drought declaration with respect to the operation of the

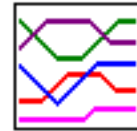
Zosel Dam on Osoyoos Lake near Oroville, Washington.

Precipitation at Kelowna was below normal for April (40%), but was near normal for the November - April cumulative winter period (96% of normal). Precipitation at Princeton, in the Similkameen, was 45% of normal for April and only 70% of normal for the November - April period.

Streamflows in the region, as indicated by inflows to Okanagan Lake, have remained well above normal since November. Inflows during April were 117 kdam<sup>3</sup> (201% of normal), while inflows during the 6-month November - April period were 298 kdam<sup>3</sup> (240% of normal). As a result of the snowmelt in mid and late April resulting from the warm weather, it appears that some small streams (e.g., Trout Creek, Vaseux Creek) may have experienced their largest peak flow of the snowmelt freshet period, at least 2-3 weeks earlier than usual.

[• Top](#)

## Vancouver Island & Coastal Regions



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### May 1

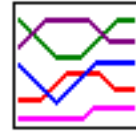
Snow packs on the Vancouver Island and South Coastal regions remain well below normal as of May 1. The Vancouver Island average snow water index is only 28% of normal. The South Coastal index is 47% of normal.

Precipitation on Vancouver Island and the Coast was above normal for April, and slightly above normal for the cumulative November to April period (105% at Nanaimo, 111% at Vancouver). However, much of the precipitation occurred as rain, and substantial portions of the early winter accumulated snowpack melted off and became runoff during the mid-January "Tropical Punch" event. The Jump Creek, Wolf River, Upper Squamish, Chilliwack River, Great Bear and Spuzzum snow pillows all remain below record lows for May 1, as they have for much of the winter.

Despite their low levels, significant increases in snow water on Vancouver Island and the South Coast have occurred since mid-March. The Jump Creek pillow went from 0 mm snow water equivalence on March 18 to 461 mm on April 17, and has fallen to 266 mm on May 1.

Stream flows, as indicated by mean monthly inflows to Upper Campbell Lake, were well above normal during April, after being below normal during February and March.

## North East Region



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



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

### May 1

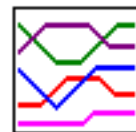
Precipitation in the Peace River basin was below normal for April (79%), and has been near normal for the cumulative November - April period (94% at Ft. St. John). Overall, snow water conditions in the Peace River basin are good. The snow water equivalencies range generally from 90% to 120% of normal, with a basin average of 99% of normal.

Precipitation in the Liard River basin was near normal for April, but slightly below normal for November - April (93%). The basin Snow Water Index is 104% of normal at May 1, almost unchanged from April 1. Individual station values are quite variable, but mid and high elevation snow in the Liard appears to be well above normal.

Regional stream flows, as reflected by the mean monthly inflows to Williston Lake, have been well above normal for April, continuing a pattern since November.

[• Top](#)

## North West Region



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



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

### May 1

The Skeena/Nass basins have an average snow water index of 86% of normal for May 1, a significant decrease from their April 1 value of 102%. The Stikine/Taku basins have an average index of 89% of normal, similarly reduced from April 1. Snow appears to be generally well distributed across a range of elevations, with individual snow courses varying between 80-102%

of normal.

Precipitation across the Northwest has been variable during the winter. Precipitation at Smithers was 188% of normal for April, and 133% of normal for the cumulative November - April period. For Dease Lake (Stikine index station), April was dry at only 63% of normal, but the cumulative winter period received near normal precipitation (105%).

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, remain well above normal. Monthly runoff was 135% of normal for November, 164% for December and 146% for January, 158% for February, 224% for March and 181% for April.

footer graphic

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

*May 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	26	45	209	446	324	950	93	530	40
PHILIP LAKE	4A13	980	28	24	75	102	226	406	0	201	41
HEDRICK LAKE	1A14	1100	26	114	556	575	431	1090A	263	648	38
HEDRICK LAKE	1A14P	1100	01	-	686	671	641	1054	585	757*	5
BIRD CREEK	1A23	1180	29	No Snow	0	0Z	184	184	0	32*	15
KAZA LAKE	1A12	1190	28	98	336	250	283	470	201	330	39
LU LAKE	4B15	1300	28	76	238	160	144	444	144	255*	25
FORFAR CREEK (UPPER)	1A24	1410	27	135	484	420	438	802	420	558	11
EQUITY MINE	4B14	1420	28	93	316	236	242	620	212	383	27
MOUNT SHEBA	4A18	1490	26	185	831	692	674	1251	503	876	36
BARKERVILLE	1A03P	1520	01	-	289	175A	165	604	165	350	28
KNUDSEN LAKE	1A15	1580	26	183	849	715	645	1346A	501	874	36
MC BRIDE (UPPER)	1A02	1580	25	127	460	276	302	790	241	433	37

NARROW LAKE	1A21	1650	26	173	786	746	699	1414	648	978	30
REVOLUTION CREEK	1A17P	1690	01	-	992	486	495	1211	486	789	19
LONGWORTH (UPPER)	1A05	1740	26	154	740	640	586	1476A	391	824	52
DOM MOUNTAIN	1A19	1820	25	179	780	603	561	1138	452	844	32
MARMOT JASPER	AL12	1830	27	60	178	155	163	401	0	227*	33
YELLOWHEAD	1A01	1860	25	128	493	305	431	805A	305	528	54
YELLOWHEAD	1A01P	1860	01	-	563	398	581	836	364	641	8
HOLMES RIVER	1A18	1900	25	196	864	584	669	1140	518	803	34
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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TAHTSA LAKE	1B02	1300	29	244	1039	836	1002	1770	701	1258	53
TAHTSA LAKE	1B02P	1300	01	-	1207	826	1018	1798	826	1320	12
KIDPRICE LAKE	4B01	1370	29	172	777	629	704	1367	551	935	53
MOUNT PONDOSY	1B08P	1400	01	-	680	399	631	1277	399	813	11
MOUNT WELLS	1B01	1490	29	109	465	201	315	958	201	515	50

MOUNT WELLS	1B01P	1490	01	-	597	308	381	792	308	598	13
NUTLI LAKE	1B07	1490	29	110	426	252	391	806	252	497*	14
MOUNT SWANNELL	1B06	1620	29	51	193	156	224	457	109	287*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
BROOKMERE	1C01	980	30	No Snow		32	0T	419	0T	102	58
GRANITE MOUNTAIN	1C33	1150	28	No Snow		0	0	136	0	27	12
LAC LE JEUNE (LOWER)	1C07	1370	29	No Snow		0	0	163	0	18	47
BRIDGE GLACIER (LOWER)	1C39	1400	29	102	436	448	588	1018	352	616*	9
DEADMAN RIVER	1C32	1430	29	No Snow		0	0	121	0	35	21
SHOVELNOSE MOUNTAIN	1C29	1450	29	No Snow		0	32	302	0	70	25
BRALORNE	1C14	1450	29	No Snow		0	0T	255	0	76	41
BRENDA MINE	2F18	1460	04	No Snow		149	132	526	0	236	36
BOSS MOUNTAIN MINE	1C20P	1460	01	-	435	495	386	829	386	595	11



LAC LE JEUNE (UPPER)	1C25	1460	29	No Snow		0	15	136	0	33	32
BRENDA MINE	2F18P	1460	01	No Snow		0	117	279	0	171	12
HIGHLAND VALLEY	1C09A	1510	03	No Snow		0	0	142	0	29	39
BARKERVILLE	1A03P	1520	01	-	289	175A	165	604	165	350	28
HORSEFLY MOUNTAIN	1C13A	1550	01	56	242	306	290A	676	136	422	34
GNAWED MOUNTAIN	1C19	1580	03	No Snow		0	0	241	0	78	37
MOUNT TIMOTHY	1C17	1660	30	33	130	233	201	536	118	290	42
YANKS PEAK EAST	1C41P	1670	01	-	717	634	536	1039	536	849	8
PENFOLD CREEK	1C23	1680	26	342	1205	766	876	1420	710	1081	32
GREEN MOUNTAIN	1C12P	1780	01	-	668	579	1042	1341	579	950	11
MCGILLIVRAY PASS	1C05	1800	29	91	345	270	648	1118	270	603	52
MISSION RIDGE	1C18P	1850	01	-	268	204	521	963	204	541	18
DOWNTON LAKE (UPPER)	1C38	1890	29	159	646	636	836	1340	604	911	9
TYAUGHTON CREEK (NORTH)	1C40	1950	29	79	322	278	638	806	278	390	9
BRALORNE (UPPER)	1C37	1980	29	110	390	482	710	1002	482	718	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											

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*May 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
BROOKMERE	1C01	980	30	No Snow		32	0T	419	0T	102	58
GRANITE MOUNTAIN	1C33	1150	28	No Snow		0	0	136	0	27	12
LAC LE JEUNE (LOWER)	1C07	1370	29	No Snow		0	0	163	0	18	47
BRIDGE GLACIER (LOWER)	1C39	1400	29	102	436	448	588	1018	352	616*	9
DEADMAN RIVER	1C32	1430	29	No Snow		0	0	121	0	35	21
SHOVELNOSE MOUNTAIN	1C29	1450	29	No Snow		0	32	302	0	70	25
BRALORNE	1C14	1450	29	No Snow		0	0T	255	0	76	41
BRENDA MINE	2F18	1460	04	No Snow		149	132	526	0	236	36
BOSS MOUNTAIN MINE	1C20P	1460	01	-	435	495	386	829	386	595	11
LAC LE JEUNE (UPPER)	1C25	1460	29	No Snow		0	15	136	0	33	32

BRENDA MINE	2F18P	1460	01	No Snow		0	117	279	0	171	12
HIGHLAND VALLEY	1C09A	1510	03	No Snow		0	0	142	0	29	39
BARKERVILLE	1A03P	1520	01	-	289	175A	165	604	165	350	28
HORSEFLY MOUNTAIN	1C13A	1550	01	56	242	306	290A	676	136	422	34
GNAWED MOUNTAIN	1C19	1580	03	No Snow		0	0	241	0	78	37
MOUNT TIMOTHY	1C17	1660	30	33	130	233	201	536	118	290	42
YANKS PEAK EAST	1C41P	1670	01	-	717	634	536	1039	536	849	8
PENFOLD CREEK	1C23	1680	26	342	1205	766	876	1420	710	1081	32
GREEN MOUNTAIN	1C12P	1780	01	-	668	579	1042	1341	579	950	11
MCGILLIVRAY PASS	1C05	1800	29	91	345	270	648	1118	270	603	52
MISSION RIDGE	1C18P	1850	01	-	268	204	521	963	204	541	18
DOWNTON LAKE (UPPER)	1C38	1890	29	159	646	636	836	1340	604	911	9
TYAUGHTON CREEK (NORTH)	1C40	1950	29	79	322	278	638	806	278	390	9
BRALORNE (UPPER)	1C37	1980	29	110	390	482	710	1002	482	718	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											

## LOWER FRASER

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	

SUMMALLO RIVER WEST	3D01C	790	26	No Snow		0	0	348	0	120	13
BROOKMERE	1C01	980	30	No Snow		32	0T	419	0T	102	58
CALLAGHAN CREEK	3A20	1040	30	36	156	544	312	1568	256	805	27
DISAPPOINTMENT LAKE	1D18P	1040	25	-	500P	1110P	987P	2000P	987P	1463*	5
DICKSON LAKE	1D16	1070	27	115	520	1380	1084	3180A	604	1550	14
DOG MOUNTAIN	3A10	1080	25	92	416	1008	547	2760A	122	1238	21
BEAVER PASS	WA12	1120	28	33	79	406	437	1600	135	751*	56
KLESILKWA	3D03A	1130	27	No Snow		0	0	752	0	166	32
SPUZZUM CREEK	1D19P	1180	01	-	409	1211	1151	2936P	1118	1720*	6
STAVE LAKE	1D08	1210	27	137	574	1295	1144	3120A	796	1653	38
WAHLEACH LAKE	1D09	1400	27	53	197	494	514	1417	177	699	38
WAHLEACH LAKE	1D09P	1400	01	-	689	1140	954	1585	509	1140	13
NAHATLATCH RIVER	1D10	1520	27	138	608	968	1385	2720A	897	1487	37
EASY PASS	WA13	1580	Not Measured			-	-	3414	1072	2210*	29
CHILLIWACK RIVER	1D17P	1600	01	-	720	1436	1331	2405P	925	1477*	12
GREAT BEAR	1D15P	1660	01	-	829	1436	1410	2487	1091	1898	13
TENQUILLE LAKE	1D06	1680	01	191	834	858	1281	1814	676	1222	48
TENQUILLE LAKE	1D06P	1680	01	-	750	653	1193	1256	653	971*	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											

## SKAGIT

### Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
SUMALLO RIVER WEST	3D01C	790	26	No Snow		0	0	348	0	120	13
FREEZEOUT CREEK TRAIL	WA11	1070	28	No Snow		10	48	658	0	175*	53
BEAVER PASS	WA12	1120	28	33	79	406	437	1600	135	751*	56
KLESILKWA	3D03A	1130	27	No Snow		0	0	752	0	166	32
LIGHTNING LAKE	3D02	1220	29	2	7	133	148	599	24	260	33
HARTS PASS	WA09	1980	28	124	533	897	1039	1847	531	1156*	61
HARTS PASS	WA09P	1980	01	-	350	729	922	1669	592	1067	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*May 1, 2005*

## NORTH THOMPSON

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BLUE RIVER	1E01B	670	29	3	10	43	0Z	265	0Z	36	22
COOK CREEK	1E14P	1280	01	-	120	420	203	465	203	372*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	-	435	495	386	829	386	595	11
MOUNT COOK	1E02P	1550	01	-	1136	998	1219	1665	924	1202*	4
AZURE RIVER	1E08P	1620	01	-	1283	870	990	1620	773	1280	8
ADAMS RIVER	1E07	1720	30	141	602	562	594	1173	396	762	34
KOSTAL LAKE	1E10P	1770	01	-	945	640	705	1256	640	921	20
TROPHY MOUNTAIN	1E03A	1860	30	135	562	448	424	960	417	619	29
NORTH CLEMINA CREEK	1E13	1860	25	201	859	633	763	1115	579	870	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

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ANGLEMONT	1F02	1190	02	No Snow		0	0	496	0	213	47
ABERDEEN LAKE	1F01A	1310	01	No Snow		0	0Z	144	0	27	51
MONASHEE PASS	2E01	1370	29	No Snow		-	286	505	67	291	46
BOULEAU LAKE	2F21	1400	30	35	122	204	138	488	95	309	33
CELISTA MTN	1F06P	1500	01	-	818	-	-	-	-	-	0
ADAMS RIVER	1E07	1720	30	141	602	562	594	1173	396	762	34
KIRBYVILLE LAKE	2A25	1750	27	219	955	1026	1090	1797	770	1269	33
SILVER STAR MOUNTAIN	2F10	1840	30	147	634	564	665	1135	371	765	46
PARK MOUNTAIN	1F03P	1890	01	-	953	716	850	1343	653	976	20
ENDERBY	1F04	1900	30	205	880	832	1009	1430	700	1106	42

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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BROOKMERE	1C01	980	30	No Snow		32	0T	419	0T	102	58
GRANITE MOUNTAIN	1C33	1150	28	No Snow		0	0	136	0	27	12
LAC LE JEUNE (LOWER)	1C07	1370	29	No Snow		0	0	163	0	18	47
BRIDGE GLACIER (LOWER)	1C39	1400	29	102	436	448	588	1018	352	616*	9
DEADMAN RIVER	1C32	1430	29	No Snow		0	0	121	0	35	21
SHOVELNOSE MOUNTAIN	1C29	1450	29	No Snow		0	32	302	0	70	25
BRALORNE	1C14	1450	29	No Snow		0	0T	255	0	76	41
BRENDA MINE	2F18	1460	04	No Snow		149	132	526	0	236	36
BOSS MOUNTAIN MINE	1C20P	1460	01	-	435	495	386	829	386	595	11
LAC LE JEUNE (UPPER)	1C25	1460	29	No Snow		0	15	136	0	33	32
BRENDA MINE	2F18P	1460	01	No Snow		0	117	279	0	171	12
HIGHLAND VALLEY	1C09A	1510	03	No Snow		0	0	142	0	29	39
BARKERVILLE	1A03P	1520	01	-	289	175A	165	604	165	350	28
HORSEFLY MOUNTAIN	1C13A	1550	01	56	242	306	290A	676	136	422	34
GNAWED MOUNTAIN	1C19	1580	03	No Snow		0	0	241	0	78	37
MOUNT TIMOTHY	1C17	1660	30	33	130	233	201	536	118	290	42



YANKS PEAK EAST	1C41P	1670	01	-	717	634	536	1039	536	849	8
PENFOLD CREEK	1C23	1680	26	342	1205	766	876	1420	710	1081	32
GREEN MOUNTAIN	1C12P	1780	01	-	668	579	1042	1341	579	950	11
MCGILLIVRAY PASS	1C05	1800	29	91	345	270	648	1118	270	603	52
MISSION RIDGE	1C18P	1850	01	-	268	204	521	963	204	541	18
DOWNTON LAKE (UPPER)	1C38	1890	29	159	646	636	836	1340	604	911	9
TYAUGHTON CREEK (NORTH)	1C40	1950	29	79	322	278	638	806	278	390	9
BRALORNE (UPPER)	1C37	1980	29	110	390	482	710	1002	482	718	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											

Banner

[Go to Columbia Snow Station Map](#)

# COLUMBIA

*May 1, 2005*

## UPPER COLUMBIA

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DOWNIE SLIDE (LOWER)	2A27	980	27	68	308	546	264	910	0	525	27
GLACIER	2A02	1250	03	105	472	567	563	1247	320	703	59
SUNWAPTA FALLS	AL11	1400	27	31	98	46	74	389	0	143*	34
VERMONT CREEK	2A19	1520	28	51	159	239	230	1026	140	388	39
AZURE RIVER	1E08P	1620	01	-	1283	870	990	1620	773	1280	8
DOWNIE SLIDE (UPPER)	2A29	1630	27	221	958	1140	1272	2242	802	1424	26
KICKING HORSE	2A07	1650	27	54	160	263	-	589	63	316	55
KIRBYVILLE LAKE	2A25	1750	27	219	955	1026	1090	1797	770	1269	33
MOUNT REVELSTOKE	2A06P	1830	01	-	1065	1074	1139	1625	874	1304	12

NORTH CLEMINA CREEK	1E13	1860	25	201	859	633	763	1115	579	870	16
FIDELITY MOUNTAIN	2A17	1870	26	242	1206	1231	1162	1986	817	1341	42
KEYSTONE CREEK	2A18	1890	27	148	601	645	707	1421	514	863	39
BEAVERFOOT	2A11	1890	28	27	72	102	98	495	58	207	44
BUSH RIVER	2A23	1920	27	154	614	670	900A	1392	492	892	37
GOLDSTREAM	2A16	1920	27	216	954	1021	1121	1781	850	1229	42
NIGEL CREEK	AL10	1920	27	89	313	310	351	752	207	423*	35
MOLSON CREEK	2A21P	1980	01	-	1084	1009	1001	1375E	746	1080	22
MOUNT ABBOT	2A14	1980	25	250	1165	-	1318	1811	853	1361	43
SUNBEAM LAKE	2A22	2010	27	188	797	850	916	1562	611	976	38
BOW SUMMIT II	AL07A	2080	27	93	325	345	325	597	201	379*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
FERGUSON	2D02	880	27	78	380	382	305	773	160	444	59
FARRON	2B02A	1220	27	40	154	107	86	406	23	226	32
MONASHEE PASS	2E01	1370	29	No Snow	-	286	505	67	291		46

WHATSHAN (UPPER)	2B05	1480	29	100	435	451	550	983	255	594	44
BARNES CREEK	2B06	1620	29	105	436	337	542	742	211	500	44
BARNES CREEK	2B06P	1620	01	-	450A	409	634	818	360	554	12
ST. LEON CREEK	2B08	1800	29	218	980	1068	1151	1974	816	1340	38
ST. LEON CREEK	2B08P	1800	01	-	859	784	1001	1501	701	1181	11
KOCH CREEK	2B07	1860	29	156	600	614	807	1201	391	815	44
RECORD MOUNTAIN	2B09	1890	26	129	480	354	742	1278	157	783	30
EAST CREEK	2D08P	2030	01	-	871	799	739	1346	480	967	23
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

[Go to Columbia Snow Station Map](#)

# KOOTENAY

*May 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	01	No Snow		0T	61Z	541	0T	191	53
SINCLAIR PASS	2C01	1370	27	No Snow		0	0	246	0	57	59
BRUSH CREEK TIMBER	MT03	1520	28	No Snow		0	0	417	0	138*	54
SULLIVAN MINE	2C04	1550	28	26	58	0	176	518	0	232	59
VERMILLION RIVER No. 3	2C20	1570	27	33	100	-	-	422	71	242	11
WEASEL DIVIDE	MT02	1660	Not Available			551	655	1422	348	831*	65
KIMBERLEY (MIDDLE) V O R	2C12	1680	25	No Snow		0	136	483	0	204	36
BANFIELD MOUNTAIN	MT05P	1710	01	-	137	127	333	884	127	465	8

MOUNT JOFFRE	2C16	1750	28	84	235	217	249	772	180	389	36
MORRISSEY RIDGE	2C09Q	1800	01	-	363A	390	750	1345	317	700	19
RED MOUNTAIN	MT04	1830	Not Available			262	376	841	0	438*	67
MOYIE MOUNTAIN	2C10P	1930	01	-	176	150	383	674	18	351	25
HAWKINS LAKE	MT06P	1970	01	-	353	470	607	1041	409	772	8
WILKINSON SUMMIT (BUSH)	AL03	1980	26	30	108	41	124	279	23	175*	16
ALLISON PASS	AL01	1980	26	84	281	300	441	838	287	464*	18
THUNDER CREEK	2C17	2010	28	60	167	-	-	556	163	302	34
FLOE LAKE	2C14	2090	28	162	644	674	720	1369	497	856	36
FLOE LAKE	2C14P	2090	01	-	619	671	780	1035	481	788	10
KIMBERLEY (UPPER) V O R	2C11	2140	25	87	260	314	431	935	188	498	36
HIGHWOOD SUMMIT (BUSH)	AL02	2210	26	114	378	371	378	726	221	459*	40
SUNSHINE VILLAGE	AL05	2230	28	142	483	488	531	1092	338	632*	38
MOUNT ASSINIBOINE	2C15	2230	28	127	438	458	494	930	339	607	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

## WEST KOOTENAY

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FERGUSON	2D02	880	27	78	380	382	305	773	160	444	59
NELSON	2D04	930	28	No Snow		90	0	508	0	177	49
SANDON	2D03	1070	30	No Snow		0	0Z	399	0	83	56
CHAR CREEK	2D06	1310	01	71	292	352	431	838	79	480	38
BUNCHGRASS MEADOW	WA01P	1520	01	-	391	416	764	1224	416	683	8
GRAY CREEK (LOWER)	2D05	1550	27	66	252	398	410	726	229	456	55
KOCH CREEK	2B07	1860	29	156	600	614	807	1201	391	815	44
MOUNT TEMPLEMAN	2D09	1860	28	195	840	892	1050A	1679	731	1144	37
GRAY CREEK (UPPER)	2D10	1910	27	128	505	675	786	1300	518	821	35
EAST CREEK	2D08P	2030	01	-	871	799	739	1346	480	967	23
REDFISH CREEK	2D14P	2104	01	-	1118	1035	1369	1706	1035	1370*	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											

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

*May 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FARRON	2B02A	1220	27	40	154	107	86	406	23	226	32
CARMICHAEL	2E02	1250	01	No Snow		0	0	173	0	29	41
MONASHEE PASS	2E01	1370	29	No Snow		-	286	505	67	291	46
BIG WHITE MOUNTAIN	2E03	1680	01	87	368	336	438	762	237	494	39
GRANVILLE CREEK	2E07P	1860	01	-	504	428	529	806	420	573*	7
BLUEJOINT MOUNTAIN	2E06	2040	29	124	491	506	764	1201	287	775	29
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	2005	2004	2003	Max.	Min.	Normal	No. Years Record
SUMMERLAND RESERVOIR	2F02	1280	28	No Snow		2A	0	368	0	129	40
MC CULLOCH	2F03	1280	Not Available			0	0	188	0	30	59
ABERDEEN LAKE	1F01A	1310	01	No Snow		0	0Z	144	0	27	51
OYAMA LAKE	2F19	1340	29	3	6	15	6	185	0	66	35
POSTILL LAKE	2F07	1370	30	21	81	67	113	282	0	135	53
VASEUX CREEK	2F20	1400	02	No Snow		0	0	192	0	59	34
BOULEAU LAKE	2F21	1400	30	35	122	204	138	488	95	309	33
TROUT CREEK	2F01	1430	27	No Snow		0	0	386	0	93	57
BRENDA MINE	2F18	1460	04	No Snow		149	132	526	0	236	36
BRENDA MINE	2F18P	1460	01	No Snow		0	117	279	0	171	12
ISLAHT LAKE	2F24	1480	27	23	64	154	125	433	66	282	23
GREYBACK RESERVOIR	2F08	1550	02	18	62	78	104	386	0	181	33
ESPERON CR (UPPER)	2F13	1650	01	70	262	350	274	805	119	391	35
ISINTOK LAKE	2F11	1680	28	No Snow		32	59	437	0	137	40
MACDONALD LAKE	2F23	1740	Not Measured			-	337	650	198	459	27
MISSION CREEK	2F05P	1780	01	-	510	514	510	784	140	490	33
GRAYSTOKE LAKE	2F04	1810	29	81	280	286	294	940	120	412	34
MOUNT KOBAL	2F12	1810	30	52	166	207	342	597	53	324	39
WHITEROCKS MOUNTAIN	2F09	1830	29	65	247	374	331	1013	175	534	34

SILVER STAR MOUNTAIN	2F10	1840	30	147	634	564	665	1135	371	765	46
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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BROOKMERE	1C01	980	30	No Snow		32	0T	419	0T	102	58
FREEZEOUT CREEK TRAIL	WA11	1070	28	No Snow		10	48	658	0	175*	53
LIGHTNING LAKE	3D02	1220	29	2	7	133	148	599	24	260	33
HAMILTON HILL	2G06	1490	29	No Snow		16	168	838	0	268	45
MISSEZULA MOUNTAIN	2G05	1550	01	No Snow		6	39	323	0	154	40
ISINTOK LAKE	2F11	1680	28	No Snow		32	59	437	0	137	40
LOST HORSE MOUNTAIN	2G04	1920	30	24	86	186	194	554	64	245	44
BLACKWALL PEAK	2G03P	1940	01	-	401	585	683	1566	375	832	37
HARTS PASS	WA09	1980	28	124	533	897	1039	1847	531	1156*	61
HARTS PASS	WA09P	1980	01	-	350	729	922	1669	592	1067	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*May 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PALISADE LAKE	3A09	880	25	96	467	1171	671	3600A	0	1479	51
PALISADE LAKE	3A09P	880	Not Available			-	-	1268	1080	1174*	2
CALLAGHAN CREEK	3A20	1040	30	36	156	544	312	1568	256	805	27
DOG MOUNTAIN	3A10	1080	25	92	416	1008	547	2760A	122	1238	21
GROUSE MOUNTAIN	3A01	1100	28	122	562	1240	636	2870A	120	1212	55
ORCHID LAKE	3A19	1190	25	231	1098	1680	1422	3845A	900	2030	32
ORCHID LAKE	3A19P	1190	01	-	791	1672	1536	3862	1058	2022*	18
UPPER SQUAMISH RIVER	3A25P	1340	01	-	990	1215	1530	2760P	1088	1635	15

NOSTETUKO RIVER	3A22P	1500	01	-	251	390	499	917	207	538*	13
UPPER MOSELY CREEK	3A24P	1650	01	-	255	150	176	494	143	242*	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
WOLF RIVER (LOWER)	3B19	640	27	No Snow		72	0	1118	0	192	35
TENNENT LAKE	3B22	950	Not Measured			832	-	1238Z	0	909	16
UPPER THELWOOD LAKE	3B10	980	27	111	524	1476	1286	3560A	644	1594	44
WOLF RIVER (MIDDLE)	3B18	1070	27	20	90	522	528	1652	0	584	34
FORBIDDEN PLATEAU	3B01	1130	27	152	600	1511	1463	3500A	448	1628	48
JUMP CREEK	3B23P	1160	01	-	266	890A	668	1564	360	1159	8
MOUNT COKELY	3B02A	1190	02	42	196	866	768	2062	274	850	24

WOLF RIVER (UPPER)	3B17P	1490	01	-	439	1189	1722	1888	701	1445	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
WEDEENE RIVER SOUTH	3C07	300	28	No Snow		0	0Z	599	0	100*	20
TAHTSA LAKE	1B02	1300	29	244	1039	836	1002	1770	701	1258	53
TAHTSA LAKE	1B02P	1300	01	-	1207	826	1018	1798	826	1320	12
BURNT BRIDGE CREEK	3C08P	1330	01	-	818	450	536	1095	450	691*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

*May 1, 2005*

## PEACE

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	26	45	209	446	324	950	93	530	40
BULLHEAD MOUNTAIN	4A28	790	30	No Snow		0	0	113	0	3	19
WARE (LOWER)	4A04	980	27	29	86	56	108	229	0	125	39
PHILIP LAKE	4A13	980	28	24	75	102	226	406	0	201	41
AIKEN LAKE	4A30P	1040	01	-	203	135	158	284	71	157	18
TUTIZZI LAKE	4A06	1070	28	32	104	68	166	325	0	155	41
TSAYDAYCHI LAKE	4A12	1160	28	114	394	294	348	625	168	380	42
PINK MOUNTAIN	4A14	1170	30	No Snow		0	28	151	0	36	41
KAZA LAKE	1A12	1190	28	98	336	250	283	470	201	330	39
FREDRICKSON LAKE	4A10	1310	28	62	171	182	197	358A	128	232	41
PULPIT LAKE	4A09P	1310	01	-	396	314	344	500	308	394	14
PULPIT LAKE	4A09	1310	27	110	433	324	362	560	287	399	40

SIKANNI LAKE	4C01	1400	27	90	314	193	235	360	115	252	41
TRYGVE LAKE	4A11	1400	27	101	356	286	330	495	272	371	41
PINE PASS	4A02P	1400	01	-	1207	966	936	1537	936	1165	13
PINE PASS	4A02	1430	26	290	1300	1115	996	1732	681	1224	44
MORFEE MOUNTAIN	4A16	1450	26	174	816	660	819	1181A	410	810	34
LADY LAURIER LAKE	4A07	1460	27	151	588	425	441	747	305	528	42
MOUNT SHEBA	4A18	1490	26	185	831	692	674	1251	503	876	36
GERMANSEN (UPPER)	4A05	1500	28	92	325	289	337	597	181	355	43
MOUNT STEARNS	4A21	1500	27	42	134	78	130	271	0	143	31
JOHANSON LAKE	4B02	1540	28	79	273	220	266	418	143	295	42
MONKMAN CREEK	4A20	1550	26	118	493	410	378	1016	329	614	27
WARE (UPPER)	4A03	1570	27	75	248	228	257	402	141	273	41
KWADACHA RIVER	4A27P	1620	01	-	319	259	289	476	259	363*	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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
WATSON LAKE A	YK01	700	26	34	92	34	60	145	0	36*	34



FRANCES RIVER	YK02	730	26	43	128	125	91	237	0	76*	28
DEASE LAKE	4C03	820	26	No Snow		0	0T	178	0	40	38
JADE CITY	4C15	940	25	77	286	144	144	144	116A	135*	3
SUMMIT LAKE	4C02	1280	28	No Snow		0	0	200A	0	38	38
DEADWOOD RIVER	4C09P	1300	01	-	191	37	105	207	27	106*	11
SIKANNI LAKE	4C01	1400	27	90	314	193	235	360	115	252	41

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

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*May 1, 2005*

## STIKINE/TAKU

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
SPEEL RIVER	AK03	80	Not Available			579	259	1240	51	646*	39
TELEGRAPH CREEK	4D01	580	02	No Snow	0	0	163	0	28		29
NINGUNSAW PASS	4B10	690	Not Available			204	167	547	0	246	29
DEASE LAKE	4C03	820	26	No Snow	0	0T	178	0	40		38
KINASKAN LAKE	4D11P	1020	01	-	356	383	356	487	216	328*	14
TUMEKA CREEK	4D10P	1220	01	-	566	476	458	838	411	570*	15
WADE LAKE	4D14P	1370	01	-	338	326	285	546	187	345*	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											

# 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
					2005	2004	2003	Max.	Min.	Normal	
ATLIN LAKE	4E02A	730	29	No Snow		0	0	97	0	13*	19
LOG CABIN	4E01	880	28	88	373	511	127	531	127	352	47
PINE LK AIRSTRIP	YK03	1010	29	61	216	206	120	327	89	185*	29
MONTANA MTN.	YK05	1020	29	53	154	120	40	191	0	108*	29
TAGISH	YK04	1080	27	61	183	106	62	205	0	104*	29
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
					2005	2004	2003	Max.	Min.	Normal	
BEAR PASS	4B11A	460	03	94	449	441	-	859	256	575	18
NINGUNSAW PASS	4B10	690	Not Available			204	167	547	0	246	29
GRANDUC MINE	4B12P	790	01	-	1744	1676	1661	1774	1661	1704*	3
CEDAR-KITEEN	4B18P	885	01	-	776	398	259	761	259	501*	4

MCKENDRICK CREEK	4B07	1050	27	53	177	122	199	422	80	236	37
TACHEK CREEK	4B06	1140	29	41	116	55	140	318	55	172	35
KAZA LAKE	1A12	1190	28	98	336	250	283	470	201	330	39
LU LAKE	4B15	1300	28	76	238	160	144	444	144	255*	25
LU LAKE	4B15P	1310	01	-	169	79	94	443	79	193*	6
TSAI CREEK	4B17P	1360	01	-	1238	975	1024	1853	975	1210*	7
KIDPRICE LAKE	4B01	1370	29	172	777	629	704	1367	551	935	53
TRYGVE LAKE	4A11	1400	27	101	356	286	330	495	272	371	41
EQUITY MINE	4B14	1420	28	93	316	236	242	620	212	383	27
CHAPMAN LAKE	4B04	1460	27	102	377	322	423	749	308	485	39
SHEDIN CREEK	4B16P	1480	01	-	1114	-	728	1140	728	961*	8
HUDSON BAY MTN.	4B03A	1480	28	106	407	348	434	787	348	532	33
MOUNT CRONIN	4B08	1480	27	136	522	478	568	1125	422	653	36
JOHANSON LAKE	4B02	1540	28	79	273	220	266	418	143	295	42

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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)
- [Basin Snow Water Index Map](#)  
(May 1, 2005)

## Basin Data and Graphs

- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)

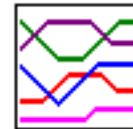
## Snow Survey Bulletin

# Snowpack and Water Supply Outlook for British Columbia

May 15, 2005

**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



[BC Summary Graphs of Snow Water Equivalents](#)

The May 15th snow survey is now complete. Data from 33 snow courses and 58 snow pillows around the province have been used to form the basis for the following reports.

## Snowpack

Snow conditions are quite variable across the province at May 15, with much of southern and coastal BC having well below normal snowpacks, and central and northern BC having slightly below normal or near normal snowpacks. In all areas except the far north, low and mid elevation snow is notably absent or well below normal.

Moderate to high temperatures affected most of BC during late April and early May, producing high rates of snowmelt. As a result, all basin Snow Water Indexes (except the Upper Fraser) experienced a significant decline in snow water since May 1.

The North Thompson, South Thompson, Upper Fraser, Skeena and Peace river basins have May 15 snowpacks ranging from 70-90% of normal. The

Liard basin has snow conditions are near normal or above normal.

Vancouver Island, the lower Fraser valley and the South Coast, along with the Similkameen, portions of the west and south Okanagan, southern portions of the East and West Kootenay, and southern portions of the Middle and Lower Fraser (including the Nicola and Coldwater) continue with far below normal snowpacks as of May 15.

## Weather

The first half of May experienced generally slightly above normal temperatures, and close to normal precipitation, for much of the province. The moderate temperatures and rainfall contributed to significant above normal snow melt and runoff.

Runoff from rivers throughout the province was high during early May. The Upper Fraser, North Thompson, South Thompson, Skeena, and others, experienced early high flows in mid-May. It is possible that the high flows in the Fraser and Thompson basins will be the freshet peak flows of the year. Significant rainfall will be required during late May or June to produce water levels that exceed those experienced in mid-May.

Many rivers in south and central BC (e.g., Trout Creek, Vaseux Creek, Mission Creek, Kettle River, Nicola River, Similkameen River, etc.,) may have experienced their freshet peak discharge in late April or early, and are already beginning their recession into low flow conditions. The Similkameen River is receding and is currently at a record low discharge.

## Outlook

Some regions have little snow and will experience very subdued spring snowmelt runoff. These include the South Coast, Vancouver Island, Lower Fraser, Similkameen, the south and west Okanagan, the southern Kootenays, and portions of the Middle and Lower Fraser including the Nicola and Coldwater basins.

These regions will experience an earlier than usual onset of low flow conditions. **Unless spring and early summer precipitation is well above normal, there is a high potential for very low summer season flow in rivers throughout these areas.** This is particularly so for rivers unsupported by storage.

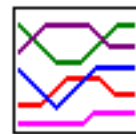
The flows experienced throughout the Fraser River system (including the Thompson River) in mid-May will possibly be the freshet peak flows of the year. Our simulation models suggest that a significant frontal rainfall event will be required to produce flows in the Fraser and Thompson that exceed those that occurred over the last 2 weeks.

Some regions currently have near enough normal snowpacks that there is significant potential for high flows during late May and June, These include the Peace, Liard and Skeena.

• **Top**

---

## Upper Fraser & Nechako Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### May 15

All snow courses in the Upper Fraser experienced significant melt during the first two weeks of May (50-200 mm of snow water equivalence). The Snow Water Index for the upper Fraser is at 86% of normal for May 15. Precipitation at Prince George was near normal for the first half of May (27 mm versus monthly normal of 51 mm). Low elevation snow is generally gone, while upper elevation snow is generally in the 75-100% range. The Revolution Creek snow pillow is recording the highest snow water in the Upper Fraser, at 119% of normal.

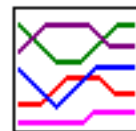
Based on only a few survey locations, the Nechako Snow Water Index is 75% of normal, reduced from 84% at May 1.

Regional streamflows, as reflected by the Fraser River at Shelley, were above normal for early May:



[Hydrograph of the Fraser River at Shelley](#)

## Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### May 15

Snow water equivalencies throughout the Middle and Lower Fraser are very low, as a result of significant melt during the first half of May. The Middle

Fraser overall had a May 15 Snow Water Index of 37% of normal, while the Lower Fraser had an index of 24% (a record low for May 15). Only one snow course is reporting above normal snow (Penfold Creek in the upper Quesnel basin, at 101%). The Barkerville snow pillow is reporting 37% of normal. Low elevation snow is generally absent in most areas.

Streamflows were above normal for early May.

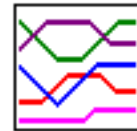


[Hydrograph of the Fraser River at Hope](#)

• **Top**

---

## Thompson Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

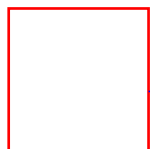
### May 15

The Thompson basin experienced well above normal loss of snow water during the first half of May. The North Thompson Snow Water Index is 87% of normal for May 15, with individual snow courses generally varying between 50% and 95% of normal. Low elevation snow is generally absent. The South Thompson Snow Water Index is at 71%.

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spences Bridge, were above normal for early May.



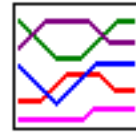
[Hydrograph of the North Thompson River at McLure](#)



[Hydrograph of the Thompson River near Spence's Bridge](#)



## Columbia Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### May 15

Relatively very few snow surveys are conducted in the Columbia basin at this sampling date. Based on the limited sample, snowpacks in Columbia are at 67% of normal, decreased from the May 1 value of 80%. Individual snow survey sites range from zero to 75% of normal in the Lower Columbia, and 60-90% in the Upper Columbia.

Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, have remained above normal in May:

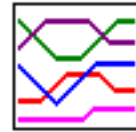


[Hydrograph of the Columbia River at Donald](#)

[• Top](#)

---

## Kootenay Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### May 15

Based on a limited sample, the Kootenay Snow Water Index has fallen to 53% of normal on May 15, from its May 1st level of 68%. Individual snow courses range from zero snow at low and mid elevation throughout southern portions of the Kootenays, to a high of 76% of normal at high elevation and in northern portions.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, have remained above normal for early May.



[Hydrograph of the Kootenay River at Fort Steele](#)

## **Okanagan, Kettle, and Similkameen Basins**



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### **May 15**

Following the significant melt that occurred in late April and early May, the overall Snow Water Index for the Okanagan-Kettle has fallen to only 43% of normal. Individual station readings for the Kettle range from zero snow to 55% of normal. For the Okanagan, individual station readings range from zero snow to 84% of normal (Mission Creek snow pillow). Most of the Okanagan basin appears to be snow free as of May 15, with the exception of the north-east portion. The Mission Creek snow pillow reports 84% of normal snow, and the Silver Star snow course has 81% of normal snow.

The Similkameen basin Snow Water Index is only 17% of normal for May 15. Based on an April-July volume runoff forecast of 740 million cubic metres (602,000 acre-feet) (45% of 1971-200 Normal) for the Similkameen River at Nighthawk, the International Osoyoos Lake Board of Control has issued a formal drought declaration with respect to the operation of the Zosel Dam on Osoyoos Lake near Oroville, Washington.

As a result of the snowmelt in late April and early May, and a rain event in early May, it appears that small streams (e.g., Trout Creek, Vaseux Creek, Mission Creek, Kettle River, etc.) may have experienced their largest peak flow of the snowmelt freshet period, at least 3 weeks earlier than usual. Unless the remainder of May and June experience well above normal rainfall, small and mid-sized rivers throughout the Okanagan, Kettle and Similkameen basins will decline rapidly to low flow conditions, 2-4 weeks earlier than usual.

The Similkameen River experienced its freshet peak flow on April 27, and is now declining rapidly into low flow conditions. It is currently below the previously-recorded record low flow for mid-May:

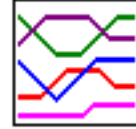


## [Hydrograph of the Similkameen River near Hedley](#)

• [Top](#)

---

### **Vancouver Island & Coastal Regions**



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



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

#### **May 15**

Snow packs on the Vancouver Island and South Coastal regions remain well below normal as of May 15. The Vancouver Island average snow water index is only 17% of normal. The South Coastal index is 29% of normal. These are record low snow index values for this date.

Unless the remainder of May and June experience well above normal rainfall, discharge in rivers without lake or reservoir storage will decline rapidly to very low flow conditions, 3-4 weeks earlier than usual.

### **North East Region**



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



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

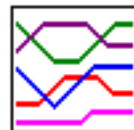
#### **May 15**

Based on a limited survey, it appears that mid and high elevation snow in the Peace River basin is near normal for May 15 (90%). Three snow pillow readings vary from 83% to 106% of normal.

• [Top](#)

---

## North West Region



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



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

### May 15

The Skeena/Nass basins have an average snow water index of 75% of normal for May 15, a significant decrease from their May 1 value of 86%. Snow appears to be generally well distributed across a range of elevations, with individual snow courses varying between 60-105% of normal.

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, remained well above normal during early May. The Skeena River experienced an early high flow on May 16th. There is sufficient snow remaining in the basin for the Skeena River to produce a second significant peak later in May or June.



[Hydrograph for the Skeena River at Usk](#)

footer graphic

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

*May 15, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	09	No Snow		242	214	728	0	341	30
HEDRICK LAKE	1A14P	1100	15	-	559	709	435	998	435	717*	5
BARKERVILLE	1A03P	1520	15	-	86	0	105	503	0	234	27
KNUDSEN LAKE	1A15	1580	09	173	804	642	660	1205	359	832	30
MC BRIDE (UPPER)	1A02	1580	09	97	379	221	303	752	24	367	37
NARROW LAKE	1A21	1650	10	151	723	695	690	1375	489	950	29
REVOLUTION CREEK	1A17P	1690	15	-	848	435	443	1161	228	713	19
LONGWORTH (UPPER)	1A05	1740	09	126	630	602	616	1219	292	772	51
DOME MOUNTAIN	1A19	1820	09	157	709	591	604	1168	385	813	32
YELLOWHEAD	1A01P	1860	15	-	450	401	611	825	139	579	8
HOLMES RIVER	1A18	1900	09	174	818	602	688	1125	359	777	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

## NECHAKO

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	1021	671	972	1765	671	1255	12
MOUNT PONDOSY	1B08P	1400	15	-	387	207	561	1198	207	645	12
MOUNT WELLS	1B01P	1490	15	-	408	171	344	759	171	510	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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	-	236	398	304	761	184	464	11
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	125	0	20*	12

BARKERVILLE	1A03P	1520	15	-	86	0	105	503	0	234	27
MOUNT TIMOTHY	1C17	1660	14	No Snow		76	140	466	0	201	36
YANKS PEAK EAST	1C41P	1670	15	-	503	563	511	1125	398	800	8
PENFOLD CREEK	1C23	1680	10	269	1031	689	884	1400	585	1019	35
GREEN MOUNTAIN	1C12P	1780	15	-	497	424	1009	1366	424	845	11
MISSION RIDGE	1C18P	1850	15	No Snow		0	463	878	0	382	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											

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*May 15, 2005*

## MIDDLE FRASER

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BOSS MOUNTAIN MINE	1C20P	1460	15	-	236	398	304	761	184	464	11
BRENDA MINE	2F18P	1460	15	No Snow		0	0	125	0	20*	12
BARKERVILLE	1A03P	1520	15	-	86	0	105	503	0	234	27
MOUNT TIMOTHY	1C17	1660	14	No Snow		76	140	466	0	201	36
YANKS PEAK EAST	1C41P	1670	15	-	503	563	511	1125	398	800	8
PENFOLD CREEK	1C23	1680	10	269	1031	689	884	1400	585	1019	35
GREEN MOUNTAIN	1C12P	1780	15	-	497	424	1009	1366	424	845	11
MISSION RIDGE	1C18P	1850	15	No Snow		0	463	878	0	382	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

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			955P	730P	1930P	730P	1317*	4
DOG MOUNTAIN	3A10	1080	17	12	57	820	431	2920Z	0	1100	19
SPUZZUM CREEK	1D19P	1180	15	-	49	975	1032	2085	975	1399*	5
WAHLEACH LAKE	1D09P	1400	15	-	460	988	911	1624	335	960	13
CHILLIWACK RIVER	1D17P	1600	15	-	405	1271	1335	2186	764	1260*	10
GREAT BEAR	1D15P	1660	15	-	660	1316	1425	2436	1114	1823	13
TENQUILLE LAKE	1D06	1680	17	135	597	691	1248	1875	625	1162	48
TENQUILLE LAKE	1D06P	1680	15	-	559	469	1144	1211	469	897*	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											

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
HARTS PASS	WA09P	1980	15	-	345	546	-	1748	467	952	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*May 15, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
COOK CREEK	1E14P	1280	15	No Snow		259	0	345	0	211*	5
BOSS MOUNTAIN MINE	1C20P	1460	15	-	236	398	304	761	184	464	11
MOUNT COOK	1E02P	1550	15	-	1061	855	1196	1793	855	1199*	4
AZURE RIVER	1E08P	1620	15	-	1185	743	923	1665	743	1230	8
ADAMS RIVER	1E07	1720	13	95	420	466	612	1158	280	712	33
KOSTAL LAKE	1E10P	1770	15	-	853	568	691	1357	568	887	20
NORTH CLEMINA CREEK	1E13	1860	09	172	797	618	813	1177	536	856	14
TROPHY MOUNTAIN	1E03A	1860	15	91	338	372	448	1114	301	608	23

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ADAMS RIVER	1E07	1720	13	95	420	466	612	1158	280	712	33
SILVER STAR MOUNTAIN	2F10	1840	14	109	537	473	685	1054	100	661	46
PARK MOUNTAIN	1F03P	1890	15	-	784	675	864	1321	474	927	20
ENDERBY	1F04	1900	15	150	757	738	1060Z	1499	662	1089	42

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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	

BOSS MOUNTAIN MINE	1C20P	1460	15	-	236	398	304	761	184	464	11
BRENDA MINE	2F18P	1460	15	No Snow		0	0	125	0	20*	12
BARKERVILLE	1A03P	1520	15	-	86	0	105	503	0	234	27
MOUNT TIMOTHY	1C17	1660	14	No Snow		76	140	466	0	201	36
YANKS PEAK EAST	1C41P	1670	15	-	503	563	511	1125	398	800	8
PENFOLD CREEK	1C23	1680	10	269	1031	689	884	1400	585	1019	35
GREEN MOUNTAIN	1C12P	1780	15	-	497	424	1009	1366	424	845	11
MISSION RIDGE	1C18P	1850	15	No Snow		0	463	878	0	382	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											

Banner

[Go to Columbia Snow Station Map](#)

# KOOTENAY

*May 15, 2005*

## EAST KOOTENAY

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FERNIE EAST	2C07	1250	15	No Snow	0	8	290	0	46	43	
SULLIVAN MINE	2C04	1550	12	No Snow	0	0	457	0	105	53	
BANFIELD MOUNTAIN	MT05P	1710	15	-	2	0	236	569	0	305	7
MORRISSEY RIDGE	2C09Q	1800	15	-	195	105	731	1091	0	460	21
MOYIE MOUNTAIN	2C10P	1930	15	No Snow	0	308	552	0	255	24	
HAWKINS LAKE	MT06P	1970	Not Measured			193	523	1067	178	706	8
FLOE LAKE	2C14P	2090	15	-	476	683	874	1088	304	765	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

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
CHAR CREEK	2D06	1310	15	11	38	142	318	715	0	279	35
BUNCHGRASS MEADOW	WA01P	1520	15	-	150	221	665	1163	221	582	8
EAST CREEK	2D08P	2030	15	-	694	754	806	1387	461	925	23
REDFISH CREEK	2D14P	2104	15	-	1050	1024	1387	1748	1024	1386*	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											

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

*May 15, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
FARRON	2B02A	1220	13	No Snow		0	14	222	0	110	25
BIG WHITE MOUNTAIN	2E03	1680	15	37	154	228	426	732	0	390	39
GRANO CREEK	2E07P	1860	15	-	298	375A	593	855	308	541*	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											

## OKANAGAN

### Snow Survey Measurements

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



Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
SUMMERLAND RESERVOIR	2F02	1280	15	No Snow		0	0Z	218	0	32	39
VASEUX CREEK	2F20	1400	15	No Snow		0	0Z	80	0	9	33
TROUT CREEK	2F01	1430	15	No Snow		0	0	307	0	30	52
BRENDA MINE	2F18P	1460	15	No Snow		0	0	125	0	20*	12
GREYBACK RESERVOIR	2F08	1550	16	No Snow		0	26	323	0	100	33
ISINTOK LAKE	2F11	1680	15	No Snow		0	4	386	0	78	39
MISSION CREEK	2F05P	1780	15	-	341	401	540	829	0	407	33
MOUNT KOBAU	2F12	1810	15	2	12	93	314	516	0	254	38
WHITEROCKS MOUNTAIN	2F09	1830	16	No Snow		226	289	968	0	401	34
SILVER STAR MOUNTAIN	2F10	1840	14	109	537	473	685	1054	100	661	46
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
					2005	2004	2003	Max.	Min.	Normal	
MISSEZULA MOUNTAIN	2G05	1550	15	No Snow		0	0	218	0	54	41
ISINTOK LAKE	2F11	1680	15	No Snow		0	4	386	0	78	39
LOST HORSE MOUNTAIN	2G04	1920	14	No Snow		-	220A	577	4	192	40

BLACKWALL PEAK	2G03P	1940	15	-	199	450	671	1481	208	706	37
HARTS PASS	WA09P	1980	15	-	345	546	-	1748	467	952	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*May 15, 2005*

## SOUTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
PALISADE LAKE	3A09P	880	Not Available			-	-	1045	1045	1045*	1
DOG MOUNTAIN	3A10	1080	17	12	57	820	431	2920Z	0	1100	19
ORCHID LAKE	3A19	1190	Not Available			1430	1230	3730A	774	1900	24
ORCHID LAKE	3A19P	1190	15	-	536	1393	1390	2804	828	1814*	17
UPPER SQUAMISH RIVER	3A25P	1340	15	-	709	1016	1384	1796	949	1515	14
NOSTETUKO RIVER	3A22P	1500	15	-	19	161	420	860	21	365*	13
UPPER MOSELY CREEK	3A24P	1650	15	No Snow		0	207	402	0	138*	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

## VANCOUVER ISLAND

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
JUMP CREEK	3B23P	1160	15	No Snow		476	521	1474	251	975	8
WOLF RIVER (UPPER)	3B17P	1490	15	-	213	994	1649	1726	507	1300	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											

## NORTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	1021	671	972	1765	671	1255	12

BURNT BRIDGE CREEK	3C08P	1330	15	-	559	206	484	994	206	554*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

*May 15, 2005*

## PEACE

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	09	No Snow		242	214	728	0	341	30
AIKEN LAKE	4A30P	1040	15	No Snow		0	60	188	0	47*	18
PULPIT LAKE	4A09P	1310	15	-	204	180	292	454	49	230	14
PINE PASS	4A02P	1400	15	-	1140	920	850	1471	813	1073	13
KWADACHA RIVER	4A27P	1620	15	-	278	267	311	468	109	336*	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											

## LIARD

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DEADWOOD RIVER	4C09P	1300	15	-	97	0	0	207	0	40*	11
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

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*May 15, 2005*

## STIKINE/TAKU

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
KINASKAN LAKE	4D11P	1020	15	-	113	225	259	411	0	186*	14
TUMEKA CREEK	4D10P	1220	15	-	325A	293	412	771	195	442*	15
WADE LAKE	4D14P	1370	15	-	161	248	244	427	0	267*	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											

## YUKON

Snow Survey Measurements

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



Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
LOG CABIN	4E01	880	16	7	28	150A	0	420	0	200	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											

## 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
					2005	2004	2003	Max.	Min.	Normal	
GRANDUC MINE	4B12P	790	15	-	1549	1421	1455	1545	1421	1474*	3
CEDAR-KITEEN	4B18P	885	15	-	368	116	120	653	116	351*	4
LU LAKE	4B15P	1310	15	No Snow	0	0	0	416	0	111*	6
TSAI CREEK	4B17P	1360	15	-	1031	810	975	1909	810	1183*	7
HUDSON BAY MTN.	4B03A	1480	13	63	268	184	354	752	160	441	32
SHEDIN CREEK	4B16P	1480	15	-	915	-	713	1159	660	945*	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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)

## Basin Data and Graphs

- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)

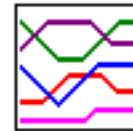
## Snow Survey Bulletin

# Snowpack and Water Supply Outlook for British Columbia

June 1, 2005

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



[BC Summary Graphs of Snow Water Equivalents](#)

The June 1st snow survey is now complete. The June 1st snow survey is quite small, as many low and mid elevation snow courses are usually free of snow by this date. Data from 29 snow courses and 58 snow pillows across the province, along with 3 snow courses in adjacent jurisdictions, have been used to form the basis for the following reports.

## Snowpack

Snowpacks at June 1st are well below normal for all of BC, showing a significant decline from May 15, as a result of well above average rates of snowmelt during May. Some areas, such as the South Coast, Vancouver Island, Similkameen, Nicola/Coldwater, and southern and western portions of the Okanagan, have very little or no snow remaining.

The North Thompson basin has a June 1 Snow Water Index of 72% of normal. The Upper Fraser index is only 53% of normal. Snow Water Indexes for all other areas of the province are less than 50% of normal.

## Weather

Precipitation was highly variable during May. Some locations, including Princeton, Kelowna, Fort St. John and Smithers, had well below normal precipitation. Princeton and Cranbrook have been two of the driest areas in the province over the winter, both receiving only 68% of normal precipitation for the cumulative Nov-May period. South coastal locations experienced above normal precipitation during May.

Temperatures were generally well above normal during May (varying from 1.0 - 3.5 degrees above normal). The high temperatures contributed to significant above normal snowmelt and runoff.

## Runoff

Runoff from rivers throughout the province was high during May. The Upper Fraser, North Thompson, South Thompson, Skeena, and others, experienced early high flows in mid-May, and second peaks over the June 2-5 period. It is probable that these high flows will be the freshet peak flows of the year. The Upper Fraser River (at Prince George) and the North Thompson River both peaked near 2-yr flood levels. The Fraser River at Hope peaked on May 20 near 7550 cms, well below a 2-yr flood stage of 8800 cms. Significant rainfall will be required during June to produce water levels that exceed the peaks that have already occurred.

The only river in the province to produce significant snowmelt freshet flooding was the Liard River, in northern BC. The Liard River reached a 10-yr flood level over the May 18-23 period, resulting in flooding in the community of Lower Post.

Many rivers in south and central BC (e.g., Trout Creek, Vaseux Creek, Mission Creek, Kettle River, Nicola River, Similkameen River, etc.) experienced their freshet peak discharge in late April or early May, and are already beginning their recession into low flow conditions. The Similkameen River, Coldwater River, Nicola River, and others are currently at or near record low discharge for early June.

## Outlook

The snowmelt season is very advanced, and may well be over in some areas. Those regions with below normal peak snowpacks have experienced very subdued spring snowmelt runoff. These include the South Coast, Vancouver Island, Lower Fraser, Similkameen, the south and west Okanagan, the southern Kootenays, and portions of the Middle and Lower Fraser including the Nicola and Coldwater basins. The melt in these areas is 2-3 weeks earlier than normal.

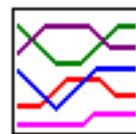
Unless spring and early summer precipitation is well above normal, there is a high potential for very low summer season flow in rivers throughout these areas. This is particularly so for rivers unsupported by storage.

The freshet peak flows in the Fraser River system (including the Thompson River)

appears to have occurred. Rivers in the Fraser Basin will now generally recede towards their typical July-Sept low flows.

[• Top](#)

## Upper Fraser & Nechako Basins



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



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

### June 1

All snow courses in the Upper Fraser experienced significant melt during May, producing high stream flow in the Fraser, McGregor and other rivers. The Snow Water Index for the upper Fraser is at 53% of normal for June 1, decreased from 86% at May 15. Precipitation at Prince George was below normal for May. Low and mid elevation snow is generally gone, while upper elevation snow is generally in the 50-90% range.

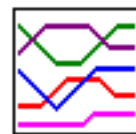
Based on only a few survey locations, the Nechako Snow Water Index is 35% of normal, reduced from 77% at May 15. This is a record low June 1st index value for the Nechako.

Regional streamflows, as reflected by the Fraser River at Shelley, were above normal for May:



[Hydrograph of the Fraser River at Shelley](#)

## Middle and Lower Fraser



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



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

### June 1

Snow water equivalencies throughout the Middle and Lower Fraser are very low, as a result of significant melt during the first half of May. The Middle Fraser overall had a June 1 Snow Water Index of 28% of normal, while the Lower Fraser had an index of 13% (a record low for June 1). The Yanks Peak and Green Mountain snow pillows,

both at high elevation, are only 22% and 27% of normal, respectively. The Barkerville snow pillow has zero snow. Low and middle elevation snow is absent in most areas.

Streamflows were above normal for May. The May 20th peak discharge of 7550 cms for the Fraser River at Hope will likely be the largest flow of the year, followed closely by a lower peak on June 5th.

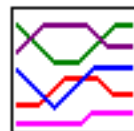


[Hydrograph of the Fraser River at Hope](#)

• Top

---

## Thompson Basin



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



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

### June 1

The Thompson basin experienced well above normal loss of snow water during May. The North Thompson Snow Water Index is 72% of normal for June 1, while the South Thompson index is 49% of normal. Low and mid elevation snow is generally absent. Individual snow courses (those with snow) range from 45% to 75% of normal.

Streamflows in the region, as indicated by the mean monthly flows in the Thompson River at Spences Bridge, were above normal for May. The May 17th peak discharge of 1840 cms for the North Thompson River at McLure will likely be the largest flow of the year, followed closely by a lower peak on June 1st. Similarly, the May 19th peak of 2250 cms for the Thompson River at Spences Bridge will likely be the largest flow of the year.

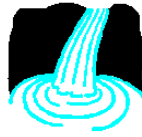
Because of the poor snow conditions in the Nicola and Coldwater valleys, the snowmelt runoff was low and early, and stream flow subsequently has become very low. In the case of the Coldwater River near Brookmere, the current discharge is the lowest on record for early June.



[Hydrograph of the North Thompson River at McLure](#)



[Hydrograph of the Thompson River near Spences Bridge](#)



[Hydrograph of the Coldwater River near Brookmere](#)

## Columbia Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### June 1

Relatively very few snow surveys are conducted in the Columbia basin at this sampling date. Based on the limited sample, snowpacks in the Columbia are at 44% of normal, decreased from the May 15 value of 67%. This reflects the significantly early melt. Individual snow survey sites range from zero to 63% of normal in the Lower Columbia, and 40-85% in the Upper Columbia.

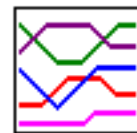
Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, were slightly above normal in May.



[Hydrograph of the Columbia River at Donald](#)

[• Top](#)

## Kootenay Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### June 1

Based on a limited sample, the Kootenay Snow Water Index has fallen to 35% of

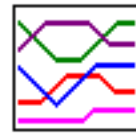
normal on June 1, from its May 15th level of 53%. Individual snow courses range from zero snow at low and middle elevations throughout southern portions of the Kootenays, to a high of 74% of normal at high elevation.

Streamflows, as indicated by the mean monthly flows in the Kootenay River at Fort Steele, were below normal for May.



[Hydrograph of the Kootenay River at Fort Steele](#)

Okanagan, Kettle,  
and Similkameen  
Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

## June 1

Following the significant melt that occurred in late April and May, the overall Snow Water Index for the Okanagan-Kettle has fallen to only 22% of normal. All snow courses and snow pillows in the Kettle are recording zero snow. Most of the Okanagan basin appears to be snow free as of June 1, with the exception of the north-east portion. The Mission Creek snow pillow reports 27% of normal snow (reduced from 84% at May 15), and the Silver Star snow course has 46% of normal snow.

The Similkameen basin Snow Water Index is at zero, dropping from only 17% of normal at May 15. Based on an April-July volume runoff forecast of 740 million cubic metres (602,000 acre-feet) (45% of 1971-2000 Normal) for the Similkameen River at Nighthawk, the International Osoyoos Lake Board of Control has issued a formal drought declaration with respect to the operation of the Zosel Dam on Osoyoos Lake near Oroville, Washington.

It appears that small streams (e.g., Trout Creek, Vaseux Creek, Mission Creek, Kettle River, etc.) experienced their largest peak flow of the snowmelt freshet period in late April or early May, at least 3 weeks earlier than usual. Unless the remainder of June experiences well above normal rainfall, these and other small and mid-sized rivers throughout the Okanagan, Kettle and Similkameen basins will decline rapidly to very low flow conditions.

The Similkameen River and Tulameen Rivers experienced their freshet peak flows in

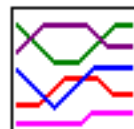
late April. They are currently below their previously recorded record low flow for June 1st.



[Hydrograph of the Similkameen River near Hedley](#)

• [Top](#)

## Vancouver Island & Coastal Regions



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



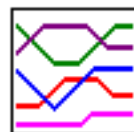
[Snow Survey Data](#)  
[Measurements](#)

### June 1

Snow in the Vancouver Island and South Coastal regions has largely entirely melted. The Vancouver Island average snow water index is only 8% of normal. The South Coastal index is 24% of normal. The snowmelt is significantly advanced, with the complete loss of snow water at some sites occurring about 3 weeks earlier than normal.

Although May produced near normal rainfall for Vancouver Island and the South Coast, stream flows have fallen to levels well below normal for the date. Unless the month of June experiences well above normal rainfall, discharge in rivers without lake or reservoir storage will decline rapidly to very low flow conditions, 3-4 weeks earlier than usual.

## North East Region



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



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

### June 1

Temperatures in the Peace and Liard were well above normal for May, producing high rates of snowmelt. Mid and high elevation snow in the Peace River basin fell to 42% of normal, from a May 15th level of 90%. Three snow pillow readings vary from 83% to 106% of normal.

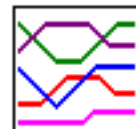


Stream flows have been above normal during May, with the inflow to Williston Lake being 140% of normal. A number of smaller rivers in the Peace (Moberly River, Finlay River) experienced high flows, near a 2-yr flood level, in late May and early June. These may be their highest flows of the freshet period.

The Liard River in far northern BC reached a 10-yr flood stage over the May 18-23 period, resulting in flooding in the community of Lower Post.

[• Top](#)

## North West Region



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



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

### June 1

The Skeena/Nass basins have an average snow water index of only 19% of normal for June 1, a significant decrease from their May 15 value of 75%.

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, remained well above normal during May. The Skeena River experienced an early high flow of 3900 cms on May 16th, and a second peak near the same level on May 29/30. These will be the largest flows of the spring freshet period, without significant rainfall.



[Hydrograph for the Skeena River at Usk](#)

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

June 1, 2005

## UPPER FRASER

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
PACIFIC LAKE	1A11	770	26	No Snow		0	0	411	0	71	31
HEDRICK LAKE	1A14P	1100	01	No Snow		30	23	1380	23	422*	5
BIRD CREEK	1A23	1180	31	No Snow		0	0	0	0	-	11
BARKERVILLE	1A03P	1520	01	No Snow		0	0	291	0	66	21
KNUDSEN LAKE	1A15	1580	26	98	493	487	521	1039	0	662	30
MC BRIDE (UPPER)	1A02	1580	26	No Snow		0	163	592	0	204	37
NARROW LAKE	1A21	1650	27	76	425	517	523	1339	116	794	31
REVOLUTION CREEK	1A17P	1690	01	-	429	195	260	935	0	495	20
LONGWORTH (UPPER)	1A05	1740	26	55	296	436	454	1194	0	591	48
DOME MOUNTAIN	1A19	1820	26	96	489	498	492	1062	0	664	33
YELLOWHEAD	1A01P	1860	01	-	94	229	454	857	0	464	8
HOLMES RIVER	1A18	1900	26	126	631	550	642	1029	84	687	34

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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SKINS LAKE	1B05	880	31	No Snow	-	0	0	0	0	-	15
TAHTSA LAKE	1B02	1300	31	113	525	406	698	1651	406	1007	30
TAHTSA LAKE	1B02P	1300	01	-	613	363	741	1576	277	1001	12
KIDPRICE LAKE	4B01	1370	31	25	117	86	415	1209	0	666	30
MOUNT PONDOSY	1B08P	1400	01	No Snow	0	250	951	0	0	280	12
MOUNT WELLS	1B01	1490	31	No Snow	0	0	529	0	0	250	28
NUTLI LAKE	1B07	1490	31	No Snow	0	0	615	0	0	226*	14
MOUNT WELLS	1B01P	1490	01	No Snow	0	91	607	0	0	250	13
MOUNT SWANNELL	1B06	1620	31	No Snow	0	95	350Z	0	0	120*	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

# MIDDLE FRASER

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	01	No Snow		0A	19	435	0A	175	11
BRENDA MINE	2F18P	1460	01	No Snow		0	0	0	0	-	11
BARKERVILLE	1A03P	1520	01	No Snow		0	0	291	0	66	21
YANKS PEAK EAST	1C41P	1670	01	-	128	364	236	1016	236	590	7
PENFOLD CREEK	1C23	1680	27	151	774	594	719	1354	353	847	34
GREEN MOUNTAIN	1C12P	1780	01	-	165	140	738	1183	140	610	11
MISSION RIDGE	1C18P	1850	01	No Snow		0	180	573	0	151	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

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*June 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	01	No Snow		0A	19	435	0A	175	11
BRENDA MINE	2F18P	1460	01	No Snow		0	0	0	0	-	11
BARKERVILLE	1A03P	1520	01	No Snow		0	0	291	0	66	21
YANKS PEAK EAST	1C41P	1670	01	-	128	364	236	1016	236	590	7
PENFOLD CREEK	1C23	1680	27	151	774	594	719	1354	353	847	34
GREEN MOUNTAIN	1C12P	1780	01	-	165	140	738	1183	140	610	11
MISSION RIDGE	1C18P	1850	01	No Snow		0	180	573	0	151	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 FRASER

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			564P	655P	1582P	564P	972*	4
CALLAGHAN CREEK	3A20	1040	30	No Snow		0	120	1228	0	220	21
DOG MOUNTAIN	3A10	1080	01	No Snow		389	280	2480Z	56	850	18
BEAVER PASS	WA12	1120	Not Available			5	140	1270	0	321*	11
SPUZZUM CREEK	1D19P	1180	01	No Snow		540	773	1823	540	1093*	5
WAHLEACH LAKE	1D09P	1400	01	-	60	698	713	1359	0	650	12
CHILLIWACK RIVER	1D17P	1600	01	No Snow		938	1009	1969	237	1018*	9
GREAT BEAR	1D15P	1660	01	-	296	1133	1433	2539	908	1568	13
TENQUILLE LAKE	1D06	1680	01	94	423	410	1132	1790	365	986	49
TENQUILLE LAKE	1D06P	1680	01	-	345	225	986	998	225	693*	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											

# SKAGIT

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
FREEZEOUT CREEK TRAIL	WA11	1070	Not Available			0	0	152	0	14*	12

BEAVER PASS	WA12	1120	Not Available	5	140	1270	0	321*	11
HARTS PASS	WA09	1980	Not Available	460	881	1737	338	925*	13
HARTS PASS	WA09P	1980	Not Measured	183	686	1557	76	615	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*June 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
COOK CREEK	1E14P	1280	01	No Snow		0A	0	8	0A	2*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	No Snow		0A	19	435	0A	175	11
MOUNT COOK	1E02P	1550	01	-	709	593	979	1579	593	977*	4
AZURE RIVER	1E08P	1620	01	-	735	473	788	1778	473	1030	8
ADAMS RIVER	1E07	1720	27	52	270	320	372	1155	0	595	35
KOSTAL LAKE	1E10P	1770	01	-	521	416	580	1377	155	700	20
NORTH CLEMINA CREEK	1E13	1860	26	132	655	523	757	1135	318	768	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

## SOUTH THOMPSON

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
ADAMS RIVER	1E07	1720	27	52	270	320	372	1155	0	595	35
SILVER STAR MOUNTAIN	2F10	1840	30	37	213	388	528	980	0	468	46
PARK MOUNTAIN	1F03P	1890	01	-	488	570	803	1269	296	742	19
ENDERBY	1F04	1900	04	86	460	643	891	1422	430	960	41
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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	01	No Snow	0A	19	435	0A	175		11
BRENDA MINE	2F18P	1460	01	No Snow	0	0	0	0	-		11

BARKERVILLE	1A03P	1520	01	No Snow		0	0	291	0	66	21
YANKS PEAK EAST	1C41P	1670	01	-	128	364	236	1016	236	590	7
PENFOLD CREEK	1C23	1680	27	151	774	594	719	1354	353	847	34
GREEN MOUNTAIN	1C12P	1780	01	-	165	140	738	1183	140	610	11
MISSION RIDGE	1C18P	1850	01	No Snow		0	180	573	0	151	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

[Go to Columbia Snow Station Map](#)

# KOOTENAY

June 1, 2005

## EAST KOOTENAY

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
SULLIVAN MINE	2C04	1550	01	No Snow	0	0	137	0	13	22	
BANFIELD MOUNTAIN	MT05P	1710	01	No Snow	5	0	254	0	74	8	
MORRISSEY RIDGE	2C09Q	1800	01	No Snow	23	244	810	0	140	20	
RED MOUNTAIN	MT04	1830	Not Available			25B	36	559	0	132*	39
MOYIE MOUNTAIN	2C10P	1930	01	No Snow	0	0	438	0	60	19	
HAWKINS LAKE	MT06P	1970	01	No Snow	10	170	947	8	495	8	
FLOE LAKE	2C14P	2090	01	-	225	563	675	979	98	610	10
HIGHWOOD SUMMIT (BUSH)	AL02	2210	31	35	140	371	381	671	89	373*	24

SUNSHINE VILLAGE	AL05	2230	03	47	213	381	498	902	107	500*	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											

## WEST KOOTENAY

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BUNCHGRASS MEADOW	WA01P	1520	01	No Snow	-	366	800	0	127	7	
GRAY CREEK (LOWER)	2D05	1550	28	No Snow	-	-	551	0	210	51	
GRAY CREEK (UPPER)	2D10	1910	28	41	199	328	-	1120	0	535	32
EAST CREEK	2D08P	2030	01	-	488	567	683	1256	111	770	22
REDFISH CREEK	2D14P	2104	01	-	878	760	1185	1624	760	1190*	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											

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

*June 1, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
BIG WHITE MOUNTAIN	2E03	1680	31	No Snow		60	124	658	0	202	39
GRANO CREEK	2E07P	1860	01	No Snow		334	390	754	11	378*	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											

## OKANAGAN

### Snow Survey Measurements

												WATER EQUIVALENT (mm)					

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BRENDA MINE	2F18P	1460	01	No Snow		0	0	0	0	-	11
MISSION CREEK	2F05P	1780	01	-	64	293	308	641	0	236	33
MOUNT KOKAU	2F12	1810	30	No Snow		0	128	488	0	132	39
WHITEROCKS MOUNTAIN	2F09	1830	01	No Snow		0	0	848	0	196	33
SILVER STAR MOUNTAIN	2F10	1840	30	37	213	388	528	980	0	468	46
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	2005	2004	2003	Max.	Min.	Normal	No. Years Record
FREEZEOUT CREEK TRAIL	WA11	1070	Not Available			0	0	152	0	14*	12
BLACKWALL PEAK	2G03P	1940	01	No Snow	270	443	1253	0	452		37
HARTS PASS	WA09	1980	Not Available			460	881	1737	338	925*	13
HARTS PASS	WA09P	1980	Not Measured			183	686	1557	76	615	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

June 1, 2005

## PEACE

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
PACIFIC LAKE	1A11	770	26	No Snow		0	0	411	0	71	31
AIKEN LAKE	4A30P	1040	01	No Snow		0	0	0	0	-	18
PULPIT LAKE	4A09P	1310	01	No Snow		0	0	189	0	41*	14
PINE PASS	4A02P	1400	01	-	680	576	634	1305	183	795	12
KWADACHA RIVER	4A27P	1620	01	No Snow		41	199	458	0	225*	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											

## LIARD

### Snow Survey Measurements



					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
DEADWOOD RIVER	4C09P	1300	01	No Snow		0	0	31	0	3*	11
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

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*June 1, 2005*

## STIKINE/TAKU

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
KINASKAN LAKE	4D11P	1020	01	No Snow	0	0	0	83	0	9*	14
TUMEKA CREEK	4D10P	1220	01	No Snow	0	180	488	0	162*		15
WADE LAKE	4D14P	1370	01	No Snow	0	30	243	0	80*		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											

## YUKON

Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
GRANDUC MINE	4B12P	790	01	-	1031	818	1084	1084	818	935*	3
CEDAR- KITEEN	4B18P	885	01	No Snow		0	0	356	0	161*	4
LU LAKE	4B15P	1310	01	No Snow		0	0	180	0	34*	6
TSAI CREEK	4B17P	1360	01	-	581	435	761	1826	371	990*	7
KIDPRICE LAKE	4B01	1370	31	25	117	86	415	1209	0	666	30
HUDSON BAY MTN.	4B03A	1480	31	No Snow		0	254	729	0	288	32
SHEDIN CREEK	4B16P	1480	01	-	454	-	446	1075	98	716*	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

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

- [Province-Wide Synopsis](#)

## Snow Survey Bulletin

# Snowpack and Water Supply Outlook for British Columbia

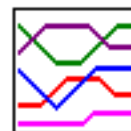
June 15, 2005

**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 Data and Graphs

- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Ground Water](#)
- [2005 Survey schedule](#)
- [2005 Snow Survey network](#)
- [Corrected or previously unpublished data](#)

### Province-wide Synopsis



[BC Summary Graphs of Snow Water Equivalents](#)

The June 15th snow survey is now complete. Data from 5 snow courses and 57 snow pillows around the province have been used to form the basis for the following reports. This is final *Snow Survey Bulletin* for the 2004/05 snow season.

### Snowpack

The 2005 spring snowmelt is largely complete. The snow water indices for many basins (Okanagan, Similkameen, Vancouver Island, Skeena, Liard) are at zero. Other basins (Upper Fraser, Nechako, Columbia, Kootenay, Peace, South Coast) are reporting only remnant snow. The largest amount of snow still being recorded is in the North Thompson basin, which is at 46% of normal snow for June 15. However, this represents less than one-quarter of the peak snow water in the basin measured on May 1st.

The 2004/05 snow season was unusual. At the time of peak accumulation, most of northern BC (Skeena, Peace, Liard, Upper Fraser, North Thompson) had near normal snowpacks. Portions of southern BC (South Coast, Vancouver Island, Similkameen, Nicola/Coldwater, West Fraser, west and

south portions of the Okanagan, and southern portions of the Kootenays and Kettle) had far below normal snowpacks. Most of the remaining areas (South Thompson, Middle Fraser, Columbia) had snowpacks that were 80-90% of normal.

## Weather

The first half of June experienced generally slightly above normal temperatures, and close to normal precipitation, for much of the province. The moderate temperatures and rainfall contributed to the melt of much of the remaining snow.

Most mainstem rivers in the province experienced their freshet peak flows in May. In many cases, the peaks were as much as 3 weeks earlier than usual. Since then, most rivers have been receding. Rainfall during early June has moderated the flow recession in some areas.

A number of rivers throughout the south interior (Similkameen, Tulameen, Nicola, Coldwater) and South Coast (Chilliwack, Coquihalla, Stave) are currently experiencing record low flow for mid-June. Other rivers in these areas are not at record lows, but are substantially lower than normal (Cayoosh, Oyster, Chemainus).

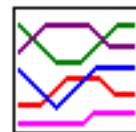
## Outlook

The South Coast, Vancouver Island, Similkameen, the south and west Okanagan, the southern Kootenays, and portions of the Middle and Lower Fraser including the Nicola and Coldwater basins continue to face potential water supply problems. **Unless these areas receive above normal rainfall over the next month, there is potential for very low summer season flow in rivers throughout these areas.** This is particularly so for rivers unsupported by storage.

There are no water supply challenges for other areas of the province evident at this time.

[• Top](#)

**Upper Fraser &  
Nechako Basins**



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



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

**June 15**

The Snow Water Index for the upper Fraser is at 11% of normal for June 15, decreased from 53% of normal for June 1. Precipitation at Prince George was normal for the first half of June (36 mm versus monthly normal of 73 mm). There is no snow remaining at any of the snow pillows with the exception of the Revolution Creek snow pillow which has recorded 17% of normal snow.

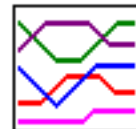
Based on only a few survey locations, the Nechako Snow Water Index is 12% of normal, reduced from 35% at June 1.

Regional streamflows, as reflected by the Fraser River at Shelley, reached their freshet peak on June 3rd and have subsequently receded to the current below normal levels.



[Hydrograph of the Fraser River at Shelley](#)

## Middle and Lower Fraser



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### June 15

Snow water equivalencies throughout the Middle and Lower Fraser are very low, as a result of significant melt during the first half of June. The Middle Fraser overall had a June 15 Snow Water Index of 37% of normal, while the Lower Fraser had an index of 9%.

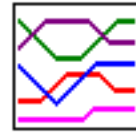
The Fraser River at Hope experienced a peak discharge of 7500 on May 20, followed by a second peak near 7400 cms on June 5. These will be the largest flows of the 2005 freshet. Flows are currently receding, and are below normal for mid-June.



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

[• Top](#)

## Thompson Basin



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



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

### June 15

The Thompson basin experienced above normal loss of snow water during the first half of June. The North Thompson Snow Water Index is 46% of normal for June 15. Low and mid elevation snow has melted off. The South Thompson Snow Water Index is at 26%.

The discharge of the Thompson River near Spences Bridge is well below normal for mid-June, reflecting the early melt.

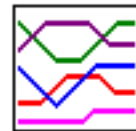


[Hydrograph of the North Thompson River at McLure](#)



[Hydrograph of the Thompson River near Spence's Bridge](#)

## Columbia Basin



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

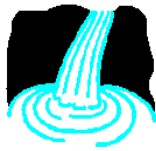


[Snow Survey Data](#)  
[Measurements](#)

### June 15

Relatively very few snow surveys are conducted in the Columbia basin at this sampling date. Based on the limited sample, snowpacks in Columbia are at 13% of normal, decreased from the June 1 value of 44%.

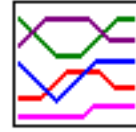
Streamflows in the region, as represented by the mean monthly flow in the Columbia River at Donald, are currently receding, after experiencing their freshet peaks in early June. This is an 2-3 week earlier than normal peak for the Columbia.



[Hydrograph of the Columbia River at Donald](#)

[• Top](#)

## Kootenay Basin



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### June 15

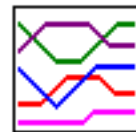
Based on a limited sample, the Kootenay Snow Water Index has fallen to 19% of normal on June 15. All low and mid elevation snow throughout the Kootenays is gone, with about 50% of normal June 15 snow remaining at high elevation.

Streamflows, as indicated by Kootenay River at Fort Steele, peaked in early June and have now receded to well below normal levels.



[Hydrograph of the Kootenay River at Fort Steele](#)

## Okanagan, Kettle, and Similkameen Basins



[Data  
Graphs](#)



[Snow Survey Data  
Measurements](#)

### June 15

All the Kettle, Okanagan and Similkameen snow courses measured for the June 15th survey are at zero snow. Virtually all the Okanagan basin appears to be snow free as of June 15, with the exception of remnant patches on high elevation snow in the north-east portion.



The Similkameen basin remains in a formal drought declaration, following the April-July volume runoff forecast of only 45% of normal for the Similkameen River at Nighthawk.

Small streams (e.g., Trout Creek, Vaseux Creek, Mission Creek, Kettle River, etc.) experienced their largest peak flow of the snowmelt freshet period in late April or early May, at least 3 weeks earlier than usual. These and other small and mid-sized rivers throughout the Okanagan, Kettle and Similkameen basins are currently receding to well below normal levels for mid-June, although rainfall in mid-June has eased the flow recession for some streams.

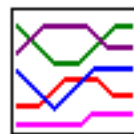
The Similkameen River and Tulameen Rivers experienced their freshet peak flows in late April. They are currently below their previously recorded record low flows for mid-June.



[Hydrograph of the Similkameen River near Hedley](#)

• [Top](#)

## Vancouver Island & Coastal Regions



[Data  
Graphs](#)



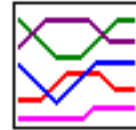
[Snow Survey Data  
Measurements](#)

### June 15

All of the remaining snow on Vancouver Island has melted and the snow water index is at zero. There is very little snow in the South Coastal region, with the snow water basin index at 10% of normal for June 15.

For the first half of June, Vancouver Island received above normal precipitation, and the South Coastal region received near normal precipitation. A continuation of near normal rainfall for the remainder of June and July will be necessary to maintain stream flows above levels of concern.

## North East Region



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



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

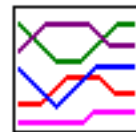
### June 15

Based on a limited survey, the Peace River basin Snow Index is well below normal (19%) for June 15, with only the Pine Pass snow pillow measuring any snow (however, Pine Pass is estimated to have zero snow at June 22).

[• Top](#)

---

## North West Region



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



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

### June 15

The Skeena/Nass basin Snow Water Index is at zero. Only the Granduc Mine snow pillow near Stewart and the Shedun snow pillow further to the east are recording snow (however, both have zero snow as of June 22).

Regional stream flows, as reflected by the mean monthly flows in the Skeena River at Usk, were below normal during early June. The Skeena River experienced a freshet peak of 4000 cms on May 30th, and has subsequently receded to 2100 cms.



[Hydrograph for the Skeena River at Usk](#)

footer graphic

Banner

[Go to Upper Fraser Snow Station Map](#)

# UPPER and MIDDLE FRASER

June 15, 2005

## UPPER FRASER

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
HEDRICK LAKE	1A14P	1100	15	No Snow		0	0	293	0	59*	5
BARKERVILLE	1A03P	1520	15	No Snow		0	0	37	0	4*	12
REVOLUTION CREEK	1A17P	1690	15	-	40	0	0	724	0	240	19
YELLOWHEAD	1A01P	1860	15	No Snow		60	90	641	0	229	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											

## NECHAKO

Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
TAHTSA LAKE	1B02P	1300	15	-	223	18	372	1274	0	649	12
MOUNT PONDOSY	1B08P	1400	15	No Snow		0	0	479	0	80*	12
MOUNT WELLS	1B01P	1490	15	No Snow		0	0	259	0	49*	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

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow		0	0	131	0	14*	11
BRENDA MINE	2F18P	1460	15	No Snow		0	0	0	0	-	12
BARKERVILLE	1A03P	1520	15	No Snow		0	0	37	0	4*	12
YANKS PEAK EAST	1C41P	1670	15	No Snow		19	0	754	0	315	8
GREEN MOUNTAIN	1C12P	1780	15	No Snow		0	329	933	0	340	11
MISSION RIDGE	1C18P	1850	15	No Snow		0	0	253	0	15*	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
------------------------------

Banner

[Go to Lower Fraser Snow Station Map](#)

# MIDDLE and LOWER FRASER

*June 15, 2005*

## MIDDLE FRASER

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow		0	0	131	0	14*	11
BRENDA MINE	2F18P	1460	15	No Snow		0	0	0	0	-	12
BARKERVILLE	1A03P	1520	15	No Snow		0	0	37	0	4*	12
YANKS PEAK EAST	1C41P	1670	15	No Snow		19	0	754	0	315	8
GREEN MOUNTAIN	1C12P	1780	15	No Snow		0	329	933	0	340	11
MISSION RIDGE	1C18P	1850	15	No Snow		0	0	253	0	15*	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											

## LOWER FRASER

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			-	0P	966P	0P	552*	4
DOG MOUNTAIN	3A10	1080	15	No Snow	95	0Z	2088Z	0Z	480		19
SPUZZUM CREEK	1D19P	1180	15	No Snow	101	233	1403	101	692*		5
WAHLEACH LAKE	1D09P	1400	15	No Snow	415	427	1185	0	400		12
CHILLIWACK RIVER	1D17P	1600	15	No Snow	499	383	1759	0	726*		10
GREAT BEAR	1D15P	1660	15	-	83	739	1178	2048	655	1250	12
TENQUILLE LAKE	1D06	1680	15	59	271	103	776	1675	10	700	21
TENQUILLE LAKE	1D06P	1680	15	-	86	0	589	638	0	397*	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											

## SKAGIT

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
HARTS PASS	WA09P	1980	Not Measured			-	190A	1267	0	254	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

[Go to Thompson Snow Station Map](#)

# THOMPSON

*June 15, 2005*

## 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
					2005	2004	2003	Max.	Min.	Normal	
COOK CREEK	1E14P	1280	15	No Snow	0	0	0	0	0	-	5
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	0	0	131	0	14*	11
MOUNT COOK	1E02P	1550	15	-	390	281	578	1155	281	641*	4
AZURE RIVER	1E08P	1620	15	-	308	98	364	1489	94	680	8
KOSTAL LAKE	1E10P	1770	15	-	158	140	168	1285	0	340	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**

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
PARK MOUNTAIN	1F03P	1890	15	-	266	315	378	1095	0	458	19
ENDERBY	1F04	1900	Not Available			438	-	1326	62	715	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											

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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	0	0	131	0	14*	11
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	0	-	12
BARKERVILLE	1A03P	1520	15	No Snow	0	0	0	37	0	4*	12
YANKS PEAK EAST	1C41P	1670	15	No Snow	19	0	0	754	0	315	8
GREEN MOUNTAIN	1C12P	1780	15	No Snow	0	329	0	933	0	340	11
MISSION RIDGE	1C18P	1850	15	No Snow	0	0	0	253	0	15*	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
------------------------------

Banner

[Go to Columbia Snow Station Map](#)

# KOOTENAY

June 15, 2005

## EAST KOOTENAY

Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BANFIELD MOUNTAIN	MT05P	1710	15	No Snow		8	0	8	0	5	7
MORRISSEY RIDGE	2C09Q	1800	15	No Snow		0	0	458	0	28*	20
MOYIE MOUNTAIN	2C10P	1930	15	No Snow		0	0	25	0	2*	15
HAWKINS LAKE	MT06P	1970	15	No Snow		8	5	683	0	185	8
FLOE LAKE	2C14P	2090	15	No Snow		293	394	862	0	432	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											

## WEST KOOTENAY

## Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BUNCHGRASS MEADOW	WA01P	1520	15	No Snow		0	0	394	0	64*	7
EAST CREEK	2D08P	2030	15	-	289	289	405	1163	0	525	21
REDFISH CREEK	2D14P	2104	15	-	645	653	911	1421	653	995*	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											

Banner

[Go to Okanagan Snow Station Map](#)

# KETTLE, OKANAGAN and SIMILKAMEEN

June 15, 2005

## KETTLE

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
GRANO CREEK	2E07P	1860	15	No Snow		68	0	503	0	158*	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											

## OKANAGAN

### Snow Survey Measurements

					WATER EQUIVALENT (mm)					

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	0	-	12
MISSION CREEK	2F05P	1780	15	No Snow	0	0	0	424	0	73*	33

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)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
BLACKWALL PEAK	2G03P	1940	15	No Snow	0	0	0	1031	0	240	37
HARTS PASS	WA09P	1980	Not Measured		-	190A	1267	0	254	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

[Go to Coastal B.C. Snow Station Map](#)

# COASTAL

*June 15, 2005*

## SOUTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
PALISADE LAKE	3A09P	880	Not Available			-	-	8	8	8*	1
DOG MOUNTAIN	3A10	1080	15	No Snow		95	0Z	2088Z	0Z	480	19
ORCHID LAKE	3A19	1190	10	15	83	421	404	1910	0	1150	24
ORCHID LAKE	3A19P	1190	Not Available			714	-	2074	0	1128*	16
UPPER SQUAMISH RIVER	3A25P	1340	15	-	131	233	641	1140	233	820	14
NOSTETUKO RIVER	3A22P	1500	15	No Snow		0	0	116	0	16*	14
UPPER MOSELY CREEK	3A24P	1650	15	No Snow		0	0	0	0	-	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

## VANCOUVER ISLAND

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
JUMP CREEK	3B23P	1160	15	No Snow	0	0	0	574	0	170	8
WOLF RIVER (UPPER)	3B17P	1490	15	No Snow	280	911	1024	0	0	580	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											

## NORTH COASTAL

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
TAHTSA LAKE	1B02P	1300	15	-	223	18	372	1274	0	649	12

BURNT BRIDGE CREEK	3C08P	1330	15	No Snow	0	0	334	0	83*	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

[Go to Northeast Snow Station Map](#)

# NORTH EAST

June 15, 2005

## PEACE

### Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
AIKEN LAKE	4A30P	1040	15	No Snow	0	0	0	0	0	-	18
PULPIT LAKE	4A09P	1310	15	No Snow	0	0	0	0	0	-	14
PINE PASS	4A02P	1400	15	-	174A	119	259	981	0	435	13
KWADACHA RIVER	4A27P	1620	15	No Snow	0	0	454	0	82*		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											

## LIARD

### Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	No. Years Record
DEADWOOD RIVER	4C09P	1300	15	No Snow		0	0	0	0	-	11
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

[Go to Northwest Snow Station Map](#)

# NORTH WEST

*June 15, 2005*

## STIKINE/TAKU

Snow Survey Measurements

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
KINASKAN LAKE	4D11P	1020	15	No Snow	0	0	0	0	0	-	14
TUMEKA CREEK	4D10P	1220	15	No Snow	0	0	67	0	4*		15
WADE LAKE	4D14P	1370	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											

## YUKON

Snow Survey Measurements

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

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	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

					WATER EQUIVALENT (mm)						No. Years Record
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2005	2004	2003	Max.	Min.	Normal	
GRANDUC MINE	4B12P	790	15	-	229	199	480	480	0	226*	3
CEDAR- KITEEN	4B18P	885	15	No Snow		0	0	70	0	18*	4
LU LAKE	4B15P	1310	15	No Snow		0	0	0	0	-	6
TSAI CREEK	4B17P	1360	15	-	15	19	304	1474	0	616*	7
HUDSON BAY MTN.	4B03A	1480	15	No Snow		0	0	673	0	108	26
SHEDIN CREEK	4B16P	1480	15	-	113	-	0	896	0	395*	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											