

**Note: 2009 did not include a June 15 bulletin.**

• Ministry Home

• Government of British Columbia

**Water Stewardship Division**

**Ministry of  
Environment**

Site Map

RFC Home

Data

Interpretation

Glossary

Related Links

Contacts

## Contents

### • [Province-Wide Synopsis](#)

#### Basin Data and Graphs

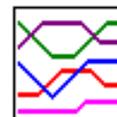
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Groundwater](#)
- [2009 Survey schedule](#)
- [2009 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

January 1, 2009

**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 80 snow courses and 53 snow pillows around the province, with 5 out-of-province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

### Snowpack

Basin snow water indices across B.C. at January 1 vary from a low of about 55% of normal on Vancouver Island to a high of 143% of normal in the Stikine. The South Coast, Vancouver Island and South Interior are all well below normal. Most of northern BC (Upper Fraser, Nechako, Skeena, Peace, Liard) are near normal.

Low and mid elevation snow throughout the coast and interior is very well developed, following the generally wet and cold late December.

### Weather

Weather during the early part of the winter has been variable. November was 2-3 degrees warmer than normal throughout the province, while December was 3-5 degrees colder than normal. The sustained cold for the last two weeks of December allowed substantial snow accumulations to develop to sea level on Vancouver Island and the South Coast, and to valley bottom in the interior. Precipitation was well below normal in the Okanagan and Similkameen, slightly below normal in most of the rest of the south interior, and above normal in the northern half of the province.

## Outlook

By January 1, on average, just under one-half of the peak snowpack for the year has accumulated. The near normal or above normal snow accumulation in many areas provides a favourable outlook for spring and summer streamflow and water-supply. However, the below normal snow conditions in the Okanagan and Similkameen basins, and other portions of the South Interior, as well as Vancouver Island and the South Coast suggest the possibility for below normal streamflow and water-supply in those areas this summer should the low snowpacks continue.

[• Top](#)

---

## Upper Fraser & Nechako Basins

[Snow Survey Data Measurements](#)

### January 1

The snow water index for the Upper Fraser is 101% of normal for January 1st. Burns Lake (1A16) is 125% of normal, reflecting early winter heavy snowfall in that area.

The Nechako snow water index is 109% of normal, with a lot of variability among measurement sites. The Mount Pondsosy (1B08P), Tahtsa Lake (1B02P) and Mount Wells (1B01P) snow pillows are 75%, 93%, and 129% of normal, respectively. The Skins Lake snow course (1B05) is 80%.

[• Top](#)

---

## Middle and Lower Fraser

[Snow Survey Data Measurements](#)

### January 1

The Middle Fraser has a January 1st snow water index of 70% of normal. The Chilcotin and Fraser Plateau areas appear to have near normal snow (e.g., Nazko (1C08) = 105%, Big Creek (1C21) = 128%). Southern portions of the Middle Fraser are well below normal (e.g., Green Mountain (1C12P) = 44%, Bridge Glacier Lower (1C39) = 28%, Bralorne (1C37) = 32%).

Following a cold and dry December, the Lower Fraser snow water index for January 1st is only 62% of normal. Wolverine Creek (1D13) is 37%, while the Chilliwack River (1D17P), Wahleach (1D09P) and Tenquille Lake (1D06P) snow pillows are 64%, 48%, and 59%, respectively.

[• Top](#)

---

## Thompson Basin

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

#### January 1

The Thompson River basin has below normal snow water conditions at January 1st. The North Thompson snow water index is 87% of normal, while the South Thompson index is 78%.

In the North Thompson basin, the Blue River (1E01B) snow course is 101% of normal, and the Azure River (1E08P) and Kostal Lake (1E01P) snow pillows are 74% and 93%, respectively.

In the South Thompson basin, Enderby (1F04) is 73% of normal. The Park Mountain (1F03P) snow pillow is 81%. The Celist Mountain (1F06P) snow pillow located north of Shuswap Lake is estimated to be near 67% of normal.

In the Nicola basin, Lac Le Jeune Upper (1C25) is 60% of normal.

[• Top](#)

---

## Columbia Basin

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

#### January 1

The Columbia basin snow index is 80% of normal. For the Upper Columbia, most snow courses are in the 74-90% of normal range, with a high of 114% for Kicking Horse (2A07) and a low of 35% for Beaverfoot (2A11). For the Lower Columbia, measurements range from a low of 62% for the St. Leon Creek snow pillow (2B08P) and a high of 98% for the Farron (2B02A).

[• Top](#)

---

## Kootenay Basin

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

#### January 1

The overall Kootenay snow water index is 76% of normal. For the East Kootenay, values for individual snow survey sites range from a low of 48% at Mount Joffre (2C16) to a high of 96% at the Moyie Mountain snow pillow (2C10P). For the West Kootenay values are similarly low, ranging from 69% at Ferguson (2D02) to 87% at Nelson (2D04).

---

[• Top](#)

## Okanagan, Kettle, and Similkameen Basins

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

#### January 1

The overall January 1 snow water index of 78% for the Okanagan-Kettle is well below normal. Mount Kobau (2F12) in the far south Okanagan is only 65% of normal for the date. The Summerland Reservoir (2F02) and Trout Creek (2F01) snow courses are 61% and 68% of normal, respectively. The Mission Creek (2F05P) snow pillow east of Kelowna is 80% of normal (the gauge was not operating at the beginning of January). In the Kettle River drainage, the Grano Creek (2E07P) snow pillow is 74% and Monashee Pass (2E01) is 96%.

Snow is well below normal in the Similkameen at January 1, ranging from 39% of normal at Missezula Mountain (2G05) to 56% at Blackwall Peak (2G03P).

---

[• Top](#)

## Vancouver Island & Coastal Regions

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

#### January 1

High elevation snow packs on the Vancouver Island and Coastal regions are well below normal as of January 1st. The Vancouver Island snow water index is 55% of normal, while the South Coast index is 64% of normal. On Vancouver Island, the Jump Creek (3B23P) and Wolf River (3B17P) snow pillows are 71% and 45% of normal, respectively, at January 1st. On the South Coast, the Grouse Mountain (3A01) and Dog Mountain (3A10) snow courses are 77% and 75%, respectively. The Upper Squamish (3A25P) snow pillow is 57% of normal. Low and mid elevation snow on Vancouver Island and the South Coast are well above normal for the date, reflecting the wet and cold late December. The Elk River (3B04) snow course at 270 metres elevation is 156% of normal, and Wolf River Lower (3B19) at 640 metres elevation is 154%

---

[• Top](#)

## North East Region

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

#### January 1

Precipitation in the Peace has been above normal for November and December,

and, so, snow accumulations have been generally greater than normal at many snow courses. The snow water index for the Peace River basin is 100% of normal at January 1st. Individual snow survey sites ranging from a low of 83% at Monkman Creek (4A20) to a high of 147% at Pulpit Lake (4A09).

Precipitation in the Liard River basin was above normal during November and December. For the Liard basin, snow water equivalencies range between 80% at Dease Lake (4C03) and 132% at Sikanni Lake (4C01), with a basin average of 108%.

[Top](#)

---

## North West Region

## [Snow Survey Data Measurements](#)

### January 1

The Skeena/Nass basins have a snow water index of 108% of normal for January 1st. For the two snow courses with the longest periods of record, Hudson Bay Mountain (4B03A), located near Smithers, is 102%, and Johanson Lake (4B02), located in the north-east corner of the basin, is 108%. The Lu Lake (4B15P) and Tsai Creek (4B17P) snow pillows are 119% and 111% of normal, respectively.

Based on a very limited survey, the Stikine basin appears to be well above normal. The Kinaskan Lake (4D11P) and Wade Lake (4D14P) snow pillows are 174% and 148% of normal, respectively.

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
PRINCE GEORGE A	1A10	690	29-Dec	37	57	81%	72	101	156	0T	70	46
PACIFIC LAKE	1A11	770	29-Dec	135	287	93%	306	473	476	56	310	25
BURNS LAKE	1A16	800	01-Jan	50	96	125%	114	192	192	10	77	34
PHILIP LAKE	4A13	980	02-Jan	77	132	88%	175	288	288	48	150	26
HEDRICK LAKE	1A14	1100	29-Dec	125	365	109%	389	-	640	94	335	17
HEDRICK LAKE	1A14P	1100	01-Jan	-	378	120%*	-	394	503	139	315*	8
KAZA LAKE	1A12	1190	02-Jan	83	192	101%	174	220	371	108	190	23
LU LAKE	4B15P	1310	01-Jan	-	160	119%*	161	289	289	41	134*	11
MOUNT SHEBA	4A18	1490	29-Dec	137	377	94%	494	766	793	106	400	20
BARKERVILLE	1A03P	1520	01-Jan	-	N	-	128A	158	312	38	168	28
KNUDSEN LAKE	1A15	1580	29-Dec	130	422	103%	-	-	821	125	410	17
MCBRIDE (UPPER)	1A02P	1620	01-Jan	-	220A	97%*	184	270	270	184	227*	2
REVOLUTION CREEK	1A17P	1690	01-Jan	-	N	-	365A	394	814	191	415	24
LONGWORTH (UPPER)	1A05	1740	29-Dec	131	390	111%	526	506	694	114	350	18
DOME MOUNTAIN	1A19P	1820	01-Jan	-	345	92%*	341	413	413	341	377*	2
YELLOWHEAD	1A01P	1860	01-Jan	-	259	76%	278	349	428	184	340	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  
T - PERIOD OF RECORD AVERAGE

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
SKINS LAKE	1B05	880	29-Dec	23	52	80%	94	127	127	0	65	23
TAHTSA LAKE	1B02P	1300	01-Jan	-	652	93%	628	1155	1155	369	703	16
MOUNT PONDOSY	1B08P	1400	01-Jan	-	338	75%	399	683	686	204	451	15
MOUNT WELLS	1B01P	1490	01-Jan	-	424	129%	293	518	518	131	328	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  
T - PERIOD OF RECORD AVERAGE

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
NAZKO	1C08	1070	26-Dec	38	58	105%	45	58	84	0	55	23
GRANITE MOUNTAIN	1C33A	1150	29-Dec	60	112	112%	83	108	158	26	100	16
BRIDGE GLACIER (LOWER)	1C39	1400	02-Jan	51	86	28%*	328	-	456	200	302*	13
BRALORNE	1C14	1450	02-Jan	25	38	42%	97	-	158	33	90	13
BOSS MOUNTAIN MINE	1C20P	1460	01-Jan	-	266	83%	394	315	461	184	320	15
LAC LE JEUNE (UPPER)	1C25	1460	29-Dec	28	45	60%	46	124	146	10	75	36
BRENDA MINE	2F18P	1460	01-Jan	-	N	-	174	208	304	100	186	14
BARKERVILLE	1A03P	1520	01-Jan	-	N	-	128A	158	312	38	168	28
YANKS PEAK EAST	1C41P	1670	01-Jan	-	425	101%	484	413	491	199	422	12
GREEN MOUNTAIN	1C12P	1780	01-Jan	-	192	44%	491	750	750	268	440	15
MCGILLIVRAY PASS	1C05	1800	02-Jan	77	140	54%	-	-	458	191	260	14
MISSION RIDGE	1C18P	1850	01-Jan	-	151	56%	246	432	659	148	272	22
DOWNTON LAKE (UPPER)	1C38	1890	02-Jan	-	N	-	610	-	690	272	425	13
TYAUGHTON CREEK (NORTH)	1C40	1950	02-Jan	60	92	53%	280	-	364	132	175	12
BRALORNE(UPPER)	1C37	1980	02-Jan	63	116	32%	338	-	504	195	368	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  
T - PERIOD OF RECORD AVERAGE

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DICKSON LAKE	1D16	1070	01-Jan	-	N	-	-	1196	1196	274	715*	14
DOG MOUNTAIN	3A10	1080	30-Dec	164	360A	75%	687	734	897	96	480	22
BEAVER PASS	W412	1120	01-Jan	-	N	-	338	600A	615	109	312*	12
KLESILKWA	3D03A	1130	01-Jan	-	N	-	144	308	386	0	185	18
SPUZZUM CREEK	1D19P	1180	01-Jan	-	334	51%*	664	1231	1231	326	656*	10

STAVE LAKE	1D08	1210	01-Jan	-	N	-	-	-	976	112	630	16
WAHLEACH LAKE	1D09	1400	01-Jan	-	N	-	-	345	417	46	260	21
WAHLEACH LAKE	1D09P	1400	01-Jan	-	250	48%	448	634	777	235	520	16
NAHATLATCH RIVER	1D10	1520	01-Jan	-	N	-	-	852	975	219	600	14
CHILLIWACK RIVER	1D17P	1600	01-Jan	-	420	64%*	675	949	1165	383	659*	16
GREAT BEAR	1D15P	1660	01-Jan	-	N	-	791	1058	1058	424	808	15
TENOUILLE LAKE	1D06P	1680	01-Jan	-	278	59%*	544	780	780	285	469*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670	04-Jan	78	162	101%	157	190	263	50	160	22
COOK CREEK	1E14P	1280	01-Jan	-	188	79%*	240	319	338	101	239*	8
BOSS MOUNTAIN MINE	1C20P	1460	01-Jan	-	266	83%	394	315	461	184	320	15
MOUNT COOK	1E02P	1550	01-Jan	-	551	91%*	881	638	881	439	606*	7
AZURE RIVER	1E08P	1620	01-Jan	-	461	74%	713	676	780	356	620	12
KOSTAL LAKE	1E10P	1770	01-Jan	-	420	93%	551	401	590	271	453	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

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
MONASHEE PASS	2E01	1370	03-Jan	71	158	96%	137	-	239	84	165	25
CELISTA	1F06P	1500	01-Jan	-	326	67%*	446	555	555	446	484*	3
KIRBYVILLE LAKE	2A25	1750	02-Jan	193	496	80%	706	737	854	351	620	24
PARK MOUNTAIN	1F03P	1890	01-Jan	-	345	81%	-	390	632	256	427	22
ENDERBY	1F04	1900	31-Dec	168	362	73%	627	581	742	292	495	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

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
GLACIER	2A02	1250	27-Dec	103	255	78%	347	409	519	147	328	38
VERMONT CREEK	2A19	1520	26-Dec	44	93	40%	242	286	328	91	230	24
AZURE RIVER	1E08P	1620	01-Jan	-	461	74%	713	676	780	356	620	12
DOWNIE SLIDE (UPPER)	2A29	1630	02-Jan	193	480	70%	-	1022	370	690	690	20
KICKING HORSE	2A07	1650	30-Dec	58	200	114%	145	191	257	66	175	29
KIRBYVILLE LAKE	2A25	1750	02-Jan	193	496	80%	706	737	854	351	620	24
MOUNT REVELSTOKE	2A06P	1830	01-Jan	-	N	-	-	735	835	317	599	14
FIDELITY MOUNTAIN	2A17	1870	26-Dec	166	570	92%	772	737	1228	334	617	34
BEAVERFOOT	2A11	1890	26-Dec	38	42	35%	120	142	215	52	120	24
KEYSTONE CREEK	2A18	1890	02-Jan	122	306	77%	466	492	577	217	400	24
GOLDSTREAM	2A16	1920	02-Jan	195	524	88%	784	671	906	355	598	24
BUSH RIVER	2A23	1920	02-Jan	118	298	67%	476	610	722	216	442	24
MOUNT ABBOT	2A14	1980	30-Dec	184	533	87%	756	751	1065	298	615	24
MOLSON CREEK	2A21P	1980	01-Jan	-	458	82%	690	754	1072	318	558	28
SUNBEAM LAKE	2A22	2010	02-Jan	154	434	91%	514	617	767	243	475	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 Drainage Basin

	Elev.	Date of	Jan 2009			Historic, Water Equivalent (mm)					Yrs of
			Snow Depth	Water Equiv.	% of	2008	2007	Max.	Min.	Normal	

Snow Course Name and Number	metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record	
FERGUSON	2D02	880	31-Dec	91	191	69%	301	330	409	93	275	29
FARRON	2B02A	1220	02-Jan	78	152	98%	126	193	330	40	155	24
MONASHEE PASS	2E01	1370	03-Jan	71	158	96%	137	-	239	84	165	25
WHATSHAN (UPPER)	2B05	1480	03-Jan	-	N	-	276	-	543	169	340	20
BARNES CREEK	2B06	1620	03-Jan	102	221	85%	237	-	376	146	260	20
BARNES CREEK	2B06P	1620	01-Jan	-	233	84%	-	229	409	158	278	15
ST. LEON CREEK	2B08	1800	03-Jan	-	N	-	-	-	1164	325	613	17
ST. LEON CREEK	2B08P	1800	01-Jan	-	352	62%	532	555	637	221	569	12
KOCH CREEK	2B07	1860	04-Jan	-	N	-	-	-	452	170	365	15
RECORD MOUNTAIN	2B09	1890	31-Dec	106	214	67%	240	419	538	134	320	23
EAST CREEK	2D08P	2030	01-Jan	-	326	69%	562	555	858	206	470	27

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

F - PERIOD OF RECORD AVERAGE

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FERNIE EAST	2C07	1250	30-Dec	50	76	54%	114	179	330	28	142	33
SULLIVAN MINE	2C04	1550	01-Jan	48	88	64%	108	178	226	29	138	23
VERMILION RIVER NO 3	2C20	1570	31-Dec	64	126	90%*	136	184	184	76	140*	8
BANFIELD MOUNTAIN	MT05P	1710	01-Jan	-	165	87%*	203	226	340	112	190*	11
MOUNT JOFFRE	2C16	1750	26-Dec	46	86	48%	152	161	364	73	180	21
MORRISSEY RIDGE	2C09Q	1800	01-Jan	-	206	62%	262	259	706	123	331	25
MOYIE MOUNTAIN	2C10P	1930	01-Jan	-	173	96%	147	229	354	76	180	29
HAWKINS LAKE	MT06P	1970	01-Jan	-	201	79%*	272	320	419	145	253*	11
THUNDER CREEK	2C17	2010	26-Dec	42	79	59%	88	-	276	61	135	23
FLOE LAKE	2C14	2090	26-Dec	102	277	65%	418	454	747	181	425	24
FLOE LAKE	2C14P	2090	01-Jan	-	326	90%	386	420	502	173	363	13
HIGHWOOD SUMMIT (BUSH)	AL02	2210	30-Dec	60	124	58%*	144	227	399	97	214*	16
MOUNT ASSINIBOINE	2C15	2230	26-Dec	82	205	71%	249	303	567	111	290	25
SUNSHINE VILLAGE	AL05	2230	29-Dec	102	232	91%*	295	375	389	137	254*	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

F - PERIOD OF RECORD AVERAGE

## WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	31-Dec	91	191	69%	301	330	409	93	275	29
NELSON	2D04	930	05-Jan	82	152	87%	143	234	366	61	175	49
CHAR CREEK	2D06	1310	02-Jan	112	215	86%	216	274Z	480	110	250	25
BUNCHGRASS MEADOW	WA01P	1520	01-Jan	-	256	81%*	315	259	488	218	318*	11
KOCH CREEK	2B07	1860	04-Jan	-	N	-	-	-	452	170	365	15
MOUNT TEMPLEMAN	2D09	1860	26-Dec	-	N	-	-	570	902	277	530	18
EAST CREEK	2D08P	2030	01-Jan	-	326	69%	562	555	858	206	470	27
REDFISH CREEK	2D14P	2104	01-Jan	-	357	64%*	713	721	721	401	562*	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

F - PERIOD OF RECORD AVERAGE

## KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FARRON	2B02A	1220	02-Jan	78	152	98%	126	193	330	40	155	24
MONASHEE PASS	2E01	1370	03-Jan	71	158	96%	137	-	239	84	165	25
GRANO CREEK	2E07P	1860	01-Jan	-	169	74%*	191	289	315	143	227*	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

F - PERIOD OF RECORD AVERAGE

## OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
SUMMERLAND RESERVOIR	2F02	1280	29-Dec	45	69	61%	99	153	198	42	114	45
TROUT CREEK	2F01	1430	30-Dec	34	62	68%*	91	-	91	91	91*	1
BRENDA MINE	2F18P	1460	01-Jan	-	N	-	174	208	304	100	186	14
GREYBACK RESERVOIR	2F08	1550	05-Jan	44	101	88%	752	104	181	56	115	26
SINTOK LAKE	2F11	1680	30-Dec	29	53	62%	52	81	196	16	86	43
MISSION CREEK	2F05P	1780	01-Jan	-	173	80%	191A	203	364	104	215	38
GRAYSTOKE LAKE	2F04	1810	-	-	-	-	-	122	278	96	165*	4
MOUNT KOBAY	2F12	1810	03-Jan	44	94	65%	72	255	261	28	144	32

A - SAMPLING PROBLEMS WERE ENCOUNTERED  
B - EARLY OR LATE SAMPLING  
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED  
E - ESTIMATED BASED ON AREAL AVERAGE  
\* - PERIOD OF RECORD AVERAGE

## SIMILKAMEEN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
MISSEZULA MOUNTAIN	2G05	1550	28-Dec	27	39	39%*	96	157	197	21	99*	16
SINTOK LAKE	2F11	1680	30-Dec	29	53	62%	52	81	196	16	86	43
BLACKWALL PEAK	2G03P	1940	01-Jan	-	221	56%	398	634	923	108	397	39
HARTS PASS	WA09P	1980	01-Jan	-	322	70%*	500	719	737P	234	457*	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

## SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DOG MOUNTAIN	BA10	1080	30-Dec	164	360A	75%	687	734	897	96	480	22
GROUSE MOUNTAIN	BA01	1100	31-Dec	168	370A	77%	740	750	878	24	480	28
ORCHID LAKE	BA19	1190	-	-	-	901	1360	1360	202	750	25	
UPPER SQUAMISH RIVER	BA25P	1340	01-Jan	-	416	57%	671	960	1072	454	730	17
NOSTETUKO RIVER	BA22P	1500	01-Jan	-	N	-	264A	522	524	32	256*	17
UPPER MOSELY CREEK	BA24P	1650	01-Jan	-	203	107%*	188A	274	491	85	189*	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

## VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
ELK RIVER	3B04	270	02-Jan	50	109	156%	112	113	264	0	70	24
WOLF RIVER (LOWER)	3B19	640	02-Jan	85	154	154%	282	372	372	0	100	19
WOLF RIVER (MIDDLE)	3B18	1070	02-Jan	92	168	62%	336	578	590	0	270	20
FORBIDDEN PLATEAU	3B01	1130	02-Jan	129	299	47%	1162	1176	1287	0	630	26
JUMP CREEK	3B23P	1160	01-Jan	-	304	71%	499	1024	1024	60	428	13
WOLF RIVER (UPPER)	3B17P	1490	01-Jan	-	265	45%	594	978	1057	150	595	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

## NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
TAHTSA LAKE	1B02P	1300	01-Jan	-	652	93%	628	1155	1155	369	703	16
BURNT BRIDGE CREEK	3C08P	1330	01-Jan	-	525A	119%*	484A	611	611	131	442*	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

### SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
FREEZEOUT CREEK TRAIL WA11	1070	01-Jan	-	N	-	163	213	259	0T	135*	11
BEAVER PASS WA12	1120	01-Jan	-	N	-	338	600A	615	109	312*	12
KLESILKWA 3D03A	1130	01-Jan	-	N	-	144	308	386	0	185	18
HARTS PASS WA09	1980	01-Jan	-	N	-	592	762	762	287	553*	8
HARTS PASS WA09P	1980	01-Jan	-	322	70%*	500	719	737P	234	457*	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

### PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
FORT ST. JOHN A 4A25	690	26-Dec	35	56	98%	-	106	134	0	57	32
PACIFIC LAKE 1A11	770	29-Dec	135	287	93%	306	473	476	56	310	25
WARE (LOWER) 4A04	980	04-Jan	60	116	116%	106	118	240	52	100	18
PHILIP LAKE 4A13	980	02-Jan	77	132	88%	175	288	288	48	150	26
AIKEN LAKE 4A30P	1040	01-Jan	-	150	109%	116A	-	262	71	138	19
TUTIZZI LAKE 4A06	1070	02-Jan	67	138	102%	113	200	200	72	135	18
TSAYDAYCHI LAKE 4A12	1160	02-Jan	85	182	85%	248	366	393	128	215	25
KAZA LAKE 1A12	1190	02-Jan	83	192	101%	174	220	371	108	190	23
PULPIT LAKE 4A09	1310	04-Jan	117	324	147%	263	289	398	130	220	20
PULPIT LAKE 4A09P	1310	01-Jan	-	351	145%	262	271	344	155	242	17
FREDRICKSON LAKE 4A10	1310	02-Jan	63	132	102%	125	150	250	54	130	19
PINE PASS 4A02P	1400	01-Jan	-	N	-	585	628	1016	241	543	19
TRYGVE LAKE 4A11	1400	02-Jan	93	238	122%	-	276	299	126	195	20
SIKANNI LAKE 4C01	1400	04-Jan	81	191	132%	137	188	257	44	145	25
PINE PASS 4A02	1400	01-Jan	-	N	-	585	628	1016	241	543	19
MORFEE MOUNTAIN 4A16	1450	05-Jan	164	416	92%	462	555	710	199	450	13
LADY LAURIER LAKE 4A07	1460	04-Jan	115	292	108%	343	443	472	140	270	24
MOUNT SHEBA 4A18	1490	29-Dec	137	377	94%	494	766	793	106	400	20
GERMANSEN (UPPER) 4A05	1500	02-Jan	77	194	100%	-	273	364	93	194	25
MOUNT STEARNS 4A21	1500	04-Jan	49	97	121%	72	136	151	14	80	19
JOHANSON LAKE 4B02	1540	02-Jan	74	172	108%	132	213	282	84	160	25
MONKMAN CREEK 4A20	1550	29-Dec	84	225	83%	-	-	546	107	270	14
WARE (UPPER) 4A03	1570	04-Jan	71	163	112%	153	190	248	64	145	19
KWADACHA RIVER 4A27P	1620	01-Jan	-	176	102%*	176	176	307	86	173*	22

A - SAMPLING PROBLEMS WERE ENCOUNTERED  
 B - EARLY OR LATE SAMPLING  
 C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED  
 E - ESTIMATED BASED ON AREAL AVERAGE  
 \* - PERIOD OF RECORD AVERAGE

### LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
DEASE LAKE 4C03	820	01-Jan	52	57	80%	41	66	150	20	71	41
DEADWOOD RIVER 4C09P	1300	01-Jan	-	91	125%*	-	101	211	15	73*	12
SIKANNI LAKE 4C01	1400	04-Jan	81	191	132%	137	188	257	44	145	25

A - SAMPLING PROBLEMS WERE ENCOUNTERED  
 B - EARLY OR LATE SAMPLING  
 C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED  
 E - ESTIMATED BASED ON AREAL AVERAGE  
 \* - PERIOD OF RECORD AVERAGE

### SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
GRANDUC MINE 4B12P	790	01-Jan	-	1152	141%*	631A	-	1065	631A	817*	5

CEDAR-KITEEN	#B18P	885	01-Jan	-	473	160%*	319	462	521	83	295*	8
KAZA LAKE	#A12	1190	02-Jan	83	192	101%	174	220	371	108	190	23
LU LAKE	#B15P	1310	01-Jan	-	160	119%*	161	289	289	41	134*	11
LU LAKE	#B15P	1310	01-Jan	-	160	119%*	161	289	289	41	134*	11
TSAI CREEK	#B17P	1360	01-Jan	-	654	111%*	694	908	908	390	589*	10
TRYGVE LAKE	#A11	1400	02-Jan	93	238	122%	-	276	299	126	195	20
HUDSON BAY MTN.	#B03A	1480	29-Dec	107	290	102%	291	360	470	135	283	33
SHEDIN CREEK	#B16P	1480	01-Jan	-	530	126%*	443	398	551	266	419*	12
JOHANSON LAKE	#B02	1540	02-Jan	74	172	108%	132	213	282	84	160	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

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DEASE LAKE	#C03	820	01-Jan	52	57	80%	41	66	150	20	71	41
KINASKAN LAKE	#D11P	1020	01-Jan	-	332	174%*	127A	266	378	104	191*	17
TUMEKA CREEK	#D10P	1220	01-Jan	-	406	122%*	-	353	591	180	333*	14
WADE LAKE	#D14P	1370	01-Jan	-	279	148%*	201A	172	344	91	189*	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

## Contents

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

## Basin Data and Graphs

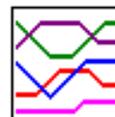
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Groundwater](#)
- [2009 Survey schedule](#)
- [2009 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

February 1, 2009

**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 123 snow courses and 57 snow pillows around the province, with 15 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 across British Columbia at February 1st vary from well below normal across the South Coast and South Interior (including the Okanagan, Similkameen, Kettle, Nicola, Kootenay), to near normal in the central interior (Upper Fraser, Nechako, North Thompson), and to well above normal in the north (Peace, Skeena, Liard, Stikine). Basin snow water indices across B.C. at February 1 vary from a low of only 54% of normal on Vancouver Island to a high of 145% of normal in the Stikine. Snow conditions in the Okanagan, Kettle, Similkameen, Nicola and Kootenay basins are notably well below normal, at only 60-75% of normal.

### Weather

Weather during the winter has been variable. December and early January were very cold (with temperatures across B.C. being 3-5 degrees colder than normal), allowing substantial snow accumulations to develop to sea level on Vancouver Island and the South Coast, and to valley bottom throughout the interior. A major frontal storm over the January 6-9 period brought heavy rain and warm air to the South Coast and portions of the South Interior, melting low elevation snow but

adding some high elevation snow. Following that, the rest of January was cool with periodic light snowfall in the south interior, and normal or above normal snowfall in the north.

## Outlook

By February 1, on average, about two-thirds of the winter's snowpack has accumulated. The well below normal snow conditions in the Okanagan, Kettle, Similkameen, Nicola and Kootenay basins, as well as Vancouver Island and the South Coast, suggest the possibility for below normal streamflow and water-supply in those areas during the summer should the low snowpacks persist for the remainder of the winter.

The well above normal snowpacks in some portions of northern B.C., such as the Skeena/Nass, Stikine and Liard, may result in higher than normal stream flows during the freshet snowmelt period in late May and June.

[• Top](#)

---

## Upper Fraser & Nechako Basins

[Snow Survey Data Measurements](#)

### February 1

The snow water index for the Upper Fraser is 108% of normal for February 1st. Most snow courses across a range of elevations are near or slightly above normal. Burns Lake (1A16) is 110% of normal, and Prince George A (1A10) is 107%, indicative of low elevation snow conditions throughout the Upper Fraser.

The Nechako snow water index is 114% of normal, with a lot of variability across the basin. The Mount Podosy (1B08P), Tahtsa Lake (1B02P) and Mount Wells (1B01P) snow pillows are 80%, 98%, and 127% of normal, respectively. The lower elevation Skins Lake snow course (1B05) is 71%.

[• Top](#)

---

## Middle and Lower Fraser

[Snow Survey Data Measurements](#)

### February 1

The Middle Fraser has a February 1st snow water index of 80% of normal. The Chilcotin and Fraser Plateau areas appear to have near normal snow (e.g., Nazko (1C08) = 103%, Big Creek (1C21) = 135%). However, southern portions of the Middle Fraser are well below normal (e.g., Green Mountain (1C12P) = 39%, Bridge Glacier Lower (1C39) = 24%, Mission Ridge (1C18P) = 51%). These are record low values for these three sites, based on measurements from the last 15-20 years.

The Lower Fraser snow water index for February 1st is well below normal, at only 63%. Dickson Lake (1D16) and Stave Lake (1D08) on the north side of the Lower Fraser valley are 76% and 56% of normal, respectively. Wolverine Creek (1D13) in the Lillooet basin is 63%. The Chilliwack River (1D17P), Wahleach (1D09P) and Tenquille Lake (1D06P) snow pillows are 84%, 57%, and 54%, respectively. The Tenquille Lake value is the lowest in the past 10 years.

[• Top](#)

---

## **Thompson Basin**

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

#### **February 1**

The Thompson River basin has below normal snow water conditions at February 1st, although conditions have improved somewhat over the last month. The North Thompson snow water index is 93% of normal, while the South Thompson index is 85%.

In the North Thompson basin, the Knouff Lake (1E05) snow course is 96% of normal, and the Azure River (1E08P) and Kostal Lake (1E01P) snow pillows are 76% and 102%, respectively.

In the South Thompson basin, Enderby (1F04) is 81% of normal. The Park Mountain (1F03P) snow pillow is 94% (increased from 81% at Jan 1st). The Celista Mountain (1F06P) snow pillow located north of Shuswap Lake is estimated to be near 72% of normal.

The Nicola basin has well below normal snow conditions. Lac Le Jeune Upper (1C25) is 70% of normal, and Brenda Mine (2F18P) adjacent to the east edge of the Nicola basin, is only 61%.

[• Top](#)

---

## **Columbia Basin**

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

#### **February 1**

The Columbia basin snow index is 81% of normal, almost unchanged from Jan 1st. For the Upper Columbia, most snow courses are in the 70-90% of normal range, with a high of 98% for Fidelity Mountain (2A17) and a low of 55% for Vermont Creek (2A19). For the Lower Columbia, measurements range from a low of 60% for Record Mountain (2B09) and a high of 115% for Barnes Creek (2B06).

---

[• Top](#)

## **Kootenay Basin**

[Snow Survey Data Measurements](#)

### **February 1**

The overall Kootenay snow water index is only 73% of normal, a slight drop from 76% at Jan 1st. For the East Kootenay, values for individual snow survey sites range from a low of 54% at Fernie East (2C07) to a high of 103% at the Moyie Mountain snow pillow (2C10P). For the West Kootenay values are similarly low, ranging from 65% at East Creek (2D08P) to 88% at Farron (2B02A).

---

[• Top](#)

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

[Snow Survey Data Measurements](#)

### **February 1**

The overall February 1 snow water index of 76% for the Okanagan-Kettle is well below normal. For the Okanagan basin, snow conditions along the west and south sides of the valley are notably well below normal. Mount Kobau (2F12) in the far south Okanagan is only 60% of normal for the date. The Summerland Reservoir (2F02) and Trout Creek (2F01) snow courses are 75% and 74% of normal, respectively. The Mission Creek (2F05P) snow pillow east of Kelowna is 85% of normal, while Silver Star (2F10) north of Vernon is 88%. In the Kettle River drainage, the Grano Creek (2E07P) snow pillow is 74% and Big White Mountain (2E03) is 68%.

Snow conditions in the Similkameen Basin are poor at Feb 1st, with a basin index of only 62% of normal. This is a significant decline from 83% at Jan 1st. Missezula Mountain (2G05) and Hamilton Hill (2G06) are 37% and 42% of normal, respectively. Isintock Lake (2F11), adjacent to the eastern Similkameen, is 68%. The Blackwall Peak snow pillow (2G03P) is 76%.

---

[• Top](#)

## **Vancouver Island & Coastal Regions**

[Snow Survey Data Measurements](#)

### **February 1**

Mid and high elevation snow packs on the Vancouver Island and Coastal regions

are well below normal as of February 1st. The Vancouver Island snow water index is only 54% of normal, while the South Coast index is 68% of normal. On Vancouver Island, the Jump Creek (3B23P) and Wolf River (3B17P) snow pillows are 65% and 47% of normal, respectively, at February 1st. On the South Coast, the Grouse Mountain (3A01) and Orchid Lake (3A19) snow courses are 95% and 59%, respectively. The Upper Squamish (3A25P) snow pillow is 65% of normal.

[• Top](#)

---

## North East Region

## [Snow Survey Data Measurements](#)

### February 1

Precipitation in the Peace has been above normal for November, December and January, and snow accumulations have been generally greater than normal at most snow courses. The snow water index for the Peace River basin is 109% of normal at February 1st, increased from 100% at January 1st. Most snow courses are in the 105 - 130%, with a low of 92% at Monkman Creek (4A20) to a high of 144% at Pulpit Lake (4A09).

Precipitation in the Liard River basin was above normal during November and December. For the Liard basin, snow water equivalencies range between 129% at Dease Lake (4C03) and 146% at Jade City (4C15), with a basin average of 127%.

[• Top](#)

---

## North West Region

## [Snow Survey Data Measurements](#)

### February 1

The Skeena/Nass basins have a snow water index of 124% of normal for February 1st, a significant increase from 108% at January 1st. For the two snow courses with the longest periods of record, Hudson Bay Mountain (4B03A), located near Smithers, is 102%, and Johanson Lake (4B02), located in the north-east corner of the basin, is 113%. The Lu Lake (4B15P) and Tsai Creek (4B17P) snow pillows are 123% and 113% of normal, respectively.

Snow conditions in the Stikine basin are well above normal, at 145%. The Kinaskan Lake (4D11P) and Wade Lake (4D14P) snow pillows are 165% and 159% of normal, respectively.

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
PRINCE GEORGE A 1A10	690	28-Jan	54	122	107%	107	140	224	0T	114	47
PACIFIC LAKE 1A11	770	26-Jan	155	489	108%	403	666	679	179	451	41
BURNS LAKE 1A16	800	30-Jan	55	132	110%	136	220	232	44	120	38
CANOE RIVER 2A01A	910	30-Jan	38	78	87%	73	146B	146B	17	90	34
PHILIP LAKE 4A13	980	27-Jan	85	219	108%	227	355	355	118	202	42
HEDRICK LAKE 1A14	1100	26-Jan	162	561	112%	499	641	823	248	500	40
HEDRICK LAKE 1A14P	1100	01-Feb		Not Sampled		566	716	716	356	516*	9
BIRD CREEK 1A23	1180	29-Jan	54	116	107%*	136	196	196	56	108*	18
KAZA LAKE 1A12	1190	27-Jan	112	298	125%	232	289	440	125	239	38
LU LAKE 4B15P	1310	01-Feb		231	123%*	199	353	353	94	188*	10
MOUNT SHEBA 4A18	1490	26-Jan	167	590	104%	631	932	932	299	570	39
BARKERVILLE 1A03P	1520	01-Feb		251	99%	180	300	351	116	253	30
MC BRIDE (UPPER) 1A02	1580	26-Jan	98	284	96%	264	461	503	140	296	55
KNUDSEN LAKE 1A15	1580	26-Jan	180	636	109%	555	791	899	284	584	38
MCBRIDE (UPPER) 1A02P	1620	01-Feb		311	104%*	259	446	446	195	300*	3
REVOLUTION CREEK 1A17P	1690	01-Feb		671	117%	563	731	930	295	574	23
LONGWORTH (UPPER) 1A05	1740	26-Jan	173	624	112%	694	674	890A	236	556	35
DOME MOUNTAIN 1A19P	1820	01-Feb		544	108%*	458	701	701	356	505*	3
MARMOT JASPER AL12	1830	29-Jan	64	138	90%*	165	227	227	71	154*	11
YELLOWHEAD 1A01P	1860	01-Feb		330	73%	364	488	596	233	455	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											

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
SKINS LAKE 1B05	880	29-Jan	28	67	71%	102	170	224	35	94	41
TAHTSA LAKE 1B02	1300	28-Jan	244	789	96%	828	1345	1345	508A	821	54
TAHTSA LAKE 1B02P	1300	01-Feb		884	98%	829	1530	1530	613	903	15
KIDPRICE LAKE 4B01	1370	31-Jan	251	840	132%	576	1106	1106	420	638	51
MOUNT PONDOSY 1B08P	1400	01-Feb		460	80%	481	872	872	326	578	16
MOUNT WELLS 1B01	1490	31-Jan	155	466	121%	336	606	606	188	385	25
MOUNT WELLS 1B01P	1490	01-Feb		543	127%	369	655	655	213	426	15
NUTLI LAKE 1B07	1490	28-Jan	123	382	100%*	364	653	653	227	383*	17
MOUNT SWANNELL 1B06	1620	31-Jan	84	219	104%*	220	334	382B	88	211*	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

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
PUNTZI MOUNTAIN	1C22	940	27-Jan	23	52	90%	44	64	126	0	58	39
NAZKO	1C08	1070	28-Jan	38	77	103%	66	74	137B	6A	75	32
BIG CREEK	1C21	1140	30-Jan	29	70	135%	30	38	100B	0	52	36
GRANITE MOUNTAIN	1C33A	1150	28-Jan	63	165	114%	141	175	217	59	145	16
BRIDGE GLACIER (LOWER)	1C39	1400	26-Jan	46	112	24%*		654	688	262	466*	12
BRALORNE	1C14	1450	26-Jan	22	48	35%	131	242	338	0	138	38
SHOVELNOSE MOUNTAIN	1C29	1450	30-Jan	36	81	40%	169	246	307	48	202	29
BOSS MOUNTAIN MINE	1C20P	1460	01-Feb		390	89%	514	442	574	285	440	15
LAC LE JEUNE (UPPER)	1C25	1460	28-Jan	32	74	70%	92	147	177	13	105	36
BRENDA MINE	2F18P	1460	01-Feb		162	61%	247	338	368	148	264	14
BARKERVILLE	1A03P	1520	01-Feb		251	99%	180	300	351	116	253	30
MOUNT TIMOTHY	1C17	1660	27-Jan	88	246	106%	234	310	384	92	232	42
YANKS PEAK EAST	1C41P	1670	01-Feb		682	115%	623	634	761	304	595	12
GREEN MOUNTAIN	1C12P	1780	01-Feb		238	39%	677	985	985	393	605	15
MCGILLIVRAY PASS	1C05	1800	26-Jan	70	174	43%	413	583	645	150	403	56
MISSION RIDGE	1C18P	1850	01-Feb		218	51%	420	648	794	232	424	22
DOWNTON LAKE (UPPER)	1C38	1890	26-Jan	88	250	41%		922	980	378	610	13
TYAUGHTON CREEK (NORTH)	1C40	1950	26-Jan	57	128	48%	346	554	654	182	265	11
BRALORNE(UPPER)	1C37	1980	26-Jan	66	178	38%	496	584	724	314	465	14
A - SAMPLING PROBLEMS WERE ENCOUNTERED												
B - EARLY OR LATE SAMPLING												
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED												
E - ESTIMATED BASED ON AREAL AVERAGE												
* - PERIOD OF RECORD AVERAGE												

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
WOLVERINE CREEK	1D13	300	29-Jan	29	64	63%*	120	124	270	0T	101*	33
SUMALLO RIVER WEST	3D01C	790	26-Jan	56	133	55%		262	368	0	242	15
DISAPPOINTMENT LAKE	1D18P	1040						1650P	1650P	295P	1040*	8
CALLAGHAN CREEK	3A20	1040	01-Feb	101	302	52%	724	1040	1040	50	577	25
DICKSON LAKE	1D16	1070	26-Jan	174	696	76%		1538	1538	206	918	15
DOG MOUNTAIN	3A10	1080	26-Jan	184	717	98%	1243	1204	1243	206	731	25
BEAVER PASS	WA12	1120	02-Feb	117	432	85%*	696	810	922	36	510*	40
KLESILKWA	3D03A	1130	26-Jan	76	250	97%		375	508	0	257	52
SPUZZUM CREEK	1D19P	1180	01-Feb		536	48%*	1155	1703	1804E	300	1107*	10
STAVE LAKE	1D08	1210	26-Jan	151	504	56%		1448	1448	163	907	37
WAHLEACH LAKE	1D09	1400	26-Jan	79	274	69%		505	815	33	396	39
WAHLEACH LAKE	1D09P	1400	01-Feb		445	57%		878	1036	314	780	15
NAHATLATCH RIVER	1D10	1520	26-Jan	125	405	45%		1070	1359	262	893	34
EASY PASS	WA13	1580						1524	2184	279	1172*	32
CHILLIWACK RIVER	1D17P	1600	01-Feb		863	84%*	1009	1425	1668	368	1026*	17

GREAT BEAR	1D15P	1660	01-Feb		Not Sampled		1136	1523	1523	544	1143	16
TENQUILLE LAKE	1D06P	1680	01-Feb		383	54%*	746	1092	1092	450	711*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670				274	380	380	98	250	25	
KNOUFF LAKE	1E05	1200	31-Jan	41	110	96%	126	130	229	38	114	49
COOK CREEK	1E14P	1280	01-Feb		401	106%*	326	589	589	248	379*	9
BOSS MOUNTAIN MINE	1C20P	1460	01-Feb		390	89%	514	442	574	285	440	15
MOUNT COOK	1E02P	1550	01-Feb		836	98%*	1088	1002	1088	600	855*	7
AZURE RIVER	1E08P	1620	01-Feb		638	76%	930	953	998	506	835	12
ADAMS RIVER	10000000	1720	30-Jan	130	384	85%	540	558	654	285	452	28
KOSTAL LAKE	1E10P	1770	01-Feb		634	102%	700A	638	764	415	620	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

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
ANGLEMONT	1F02	1190	27-Jan	78	238	87%	254	338	483	130A	274	49
ABERDEEN LAKE	1F01A	1310				69	124	193	48	119	54	
MONASHEE PASS	2E01	1370	03-Feb	107	282	115%	194	226	364	122	245	49
CELISTA	1F06P	1500	01-Feb		488	72%*	596	788	788	596	681*	3
ADAMS RIVER	1E07	1720	30-Jan	130	384	85%	540	558	654	285	452	28
KIRBYVILLE LAKE	2A25	1750	26-Jan	186	635	78%	942	1025	1160	381	810	33
SILVER STAR MOUNTAIN	2F10	1840	31-Jan	139	448	88%	547	534	721	229	507	50
PARK MOUNTAIN	1F03P	1890	01-Feb		566	94%	544	593	867	331	602	24
ENDERBY	1F04	1900	28-Jan	180	557	81%	687	783	932	348	691	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

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
CANOE RIVER	2A01A	910	30-Jan	38	78	87%	73	146B	146B	17	90	34
DOWNIE SLIDE (LOWER)	2A27	980	26-Jan	132	402	79%	558	672	740	256	509	27
GLACIER	2A02	1250	31-Jan	160	468	95%	482	643	828	241	494	68
FIELD	2A03A	1280	27-Jan	59	118	89%	128	169	233	46	133	69
SUNWAPTA FALLS	AL11	1400	28-Jan	46	94	66%*	150	181	254	48B	142*	36
VERMONT CREEK	2A19	1520	03-Feb	64	175	55%	322	386	574	102	320	39
AZURE RIVER	1E08P	1620	01-Feb		638	76%	930	953	998	506	835	12
DOWNIE SLIDE (UPPER)	2A29	1630	26-Jan	194	652	70%	1150	1250	1422	466	933	27
KICKING HORSE	2A07	1650	27-Jan	74	152	61%	207	284	384	102	248	62
KIRBYVILLE LAKE	2A25	1750	26-Jan	186	635	78%	942	1025	1160	381	810	33
MOUNT REVELSTOKE	2A06P	1830	01-Feb		671	79%	915	1035	1140	511	850	15
FIDELITY MOUNTAIN	2A17	1870	28-Jan	248	846	98%	990	1054	1376	430	867	46
BEAVERFOOT	2A11	1890	03-Feb	51	110	71%	142	202	249	78	154	40
KEYSTONE CREEK	2A18	1890	26-Jan	130	409	75%	618	720	866	290	548	39
GOLDSTREAM	2A16	1920	26-Jan	197	691	87%	974	940	1136	460	793	40
BUSH RIVER	2A23	1920	26-Jan	132	424	71%	580	740	902	292	598	40
NIGEL CREEK	AL10	1920	28-Jan	82	221	75%*	266	447	528	94B	293*	36
MOUNT ABBOT	2A14	1980	27-Jan	207	713	85%	940	1130	1209	396	842	50
MOLSON CREEK	2A21P	1980	01-Feb		642	84%	855	1054	1155	417	760	27
SUNBEAM LAKE	2A22	2010	26-Jan	165	563	88%	675	756	886	348	642	40
MIRROR LAKE	AL06	2030	29-Jan	61	173	82%*	177	312	348	79	212*	41
BOW SUMMIT II	AL07A	2080	02-Feb	78	182	69%*		346	480	86B	265*	27
A - SAMPLING PROBLEMS WERE ENCOUNTERED												
B - EARLY OR LATE SAMPLING												
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED												
E - ESTIMATED BASED ON AREAL AVERAGE												
* - PERIOD OF RECORD AVERAGE												

## LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	27-Jan	110	303	72%	411	569	616	237	420	37
BAIRD	WA02	980	27-Jan	61	168	111%*	201	145	295	20	152*	49
FARRON	2B02A	1220	26-Jan	73	204	88%	183	261	346	63	232	35
MONASHEE PASS	20	1370	03-Feb	107	282	115%	194	226	364	122	245	49
WHATSHAN (UPPER)	2B05	1480	03-Feb		Not Sampled		425		759	249	479	34
BARNES CREEK	2B06	1620	02-Feb	154	421	115%	330	316	612	196	365	41
BARNES CREEK	2B06P	1620	01-Feb		371	98%	319	356	566	195	378	16
ST. LEON CREEK	2B08	1800	03-Feb	246	715	81%		970	1247	474	878	36
ST. LEON CREEK	2B08P	1800	01-Feb		607	80%	667	836	1092	311	755	14
KOCH CREEK	2B07	1860	03-Feb	127	362	72%		546	708	203	501	33
RECORD MOUNTAIN	2B09	1890	30-Jan	109	288	60%	456A	580	802	117	482	34
EAST CREEK	2D08P	2030	01-Feb		424	65%	705	746	1012	274	654	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

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FERNIE EAST	2C07	1250	31-Jan	47	126	54%		225	467	51	234	54
SULLIVAN MINE	2C04	1550	27-Jan	57	128	59%	182	236	397	46	217	63
VERMILION RIVER NO.3	2C20	1570	27-Jan	81	192	89%*	187	238	363	130	216*	13
WEASEL DIVIDE	MT02	1660	29-Jan	137	414	78%*	587	546	858	185	533*	25
BANFIELD MOUNTAIN	MT05P	1710	01-Feb		279	88%*	348	315	475	160	318*	11
MOUNT JOFFRE	2C16	1750	03-Feb	72	188	71%	249	236	439	96	265	35
MORRISSEY RIDGE	2C09Q	1800	01-Feb		334	67%	461	397	886	172	495	25
MOYIE MOUNTAIN	2C10P	1930	01-Feb		274	103%	304	368	499	104	267	28
HAWKINS LAKE	MT06P	1970	01-Feb		335	83%*	475	508	612	201	403*	11
ALLISON PASS	AL01	1980					266	287	521	133	307*	19
THUNDER CREEK	2C17	2010	03-Feb	55	142	74%	144	200	335	69	193	35
FLOE LAKE	2C14	2090	03-Feb	146	431	79%	519	612	811	239	548	37
FLOE LAKE	2C14P	2090	01-Feb		435	85%	491	566	731	221	510	14
HIGHWOOD SUMMIT (BUSH)	AL02	2210	03-Feb	72	190	73%*	231	282	480	89	262*	29
MOUNT ASSINIBOINE	2C15	2230	03-Feb	104	272	73%	381	408	592	140	375	36
SUNSHINE VILLAGE	AL05	2230	27-Jan	118	340	87%*	377	350	678	150	393*	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

## WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DUNCAN LAKE NO. 2	2D07A	650	26-Jan	54	162	123%*	148	187	283	60	132*	18
FERGUSON	2D02	880	27-Jan	110	303	72%	411	569	616	237	420	37
NELSON	2D04	930	26-Jan	70	198	72%	259	321	508	79	276	70
CHAR CREEK	2D06	1310	31-Jan	94	258	68%	388	383	650	117	381	43
BUNCHGRASS MEADOW	WA01P	1520	01-Feb		368	74%*	495	409	719	259	497*	11
GRAY CREEK (LOWER)	2D05	1550	26-Jan	88	268	82%	258	309	511	127	326	57
KOCH CREEK	2B07	1860	03-Feb	127	362	72%		546	708	203	501	33
MOUNT TEMPLEMAN	2D09	1860	03-Feb		Not Sampled		738	862	1115	409	748	36
GRAY CREEK (UPPER)	2D10	1910	26-Jan	131	391	74%		524	792	268	527	36
EAST CREEK	2D08P	2030	01-Feb		424	65%	705	746	1012	274	654	28
REDFISH CREEK	2D14P	2104	01-Feb		529	62%*	953	961	1024	653	852*	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

## KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
GOAT CREEK	WA04	1100	29-Jan	46	107	80%*	155	137	224	20	134*	47
FARRON	2B02A	1220	26-Jan	73	204	88%	183	261	346	63	232	35
MONASHEE PASS	2E01	1370	03-Feb	107	282	115%	194	226	364	122	245	49
SUMMIT G.S.	WA05	1400	29-Jan	64	142	94%*	168	185	244	41	151*	47
BIG WHITE MOUNTAIN	2000	1680	28-Jan	90	232	68%	246	328	483	178	339	43
GRANO CREEK	2E07P	1860	01-Feb		251	74%*	293	379	465	180	340*	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

## OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
SUMMERLAND RESERVOIR	2F02	1280	29-Jan	54	130	75%	146	251	307	65	174	44
MC CULLOCH	2F03	1280	30-Jan	48	113	90%	90	126	196	57	125	72
ABERDEEN LAKE	1F01A	1310				69	124	193	48	119	54	
OYAMA LAKE	2F19	1340	02-Feb	52	113	88%	83	126	193	31	129	40
POSTILL LAKE	2F07	1370	29-Jan	47	135	92%	93	167	243	73	147	58
VASEUX CREEK	2F20	1400		Provisi onal				208	44	100	23	
TROUT CREEK	2F01	1430	04-Feb	48	104	74%	110	181	292	33A	141	71
BRENDA MINE	2F18P	1460	01-Feb		162	61%	247	338	368	148	264	14
ISLAHT LAKE	2F24	1480	02-Feb	62	134	57%	230	317	364	124	235	27
GREYBACK RESERVOIR	2F08	1550	02-Feb	68	165	103%	114A	162	269	60	160	38
ISINTOK LAKE	2F11	1680	28-Jan	40	90	68%	79	123	307	26	133	43
MUTTON CREEK NO. 1	WA07	1740	30-Jan	38	91	37%*	269B	376	480	43	249*	43
MISSION CREEK	2F05P	1780	01-Feb		266	85%	248	304	495	152	312	37
GRAYSTOKE LAKE	2F04	1810				178Z	212	324	128	229*	10	
MOUNT KOBAN	2F12	1810	30-Jan	46	121	60%	154	265	373	43	201	42
WHITEROCKS MOUNTAIN	2F09	1830	31-Jan	78	218	55%	371	450	693	135	399	37
SILVER STAR MOUNTAIN	2F10	1840	31-Jan	139	448	88%	547	534	721	229	507	50

A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
FREEZEOUT CREEK TRAIL WA11	1070	31-Jan	69	251	113%*	274	330	462	13	223*	38
LIGHTNING LAKE 3D02	1220		Provisi	onal				242	67	250	4
HAMILTON HILL 2G06	1490	28-Jan	51	108	42%	167	307	411	91	258	45
MISSEZULA MOUNTAIN 2G05	1550	31-Jan	40	65	37%	120	211	284	60	174	42
SINTOK LAKE 2F11	1680	28-Jan	40	90	68%	79	123	307	26	133	43
LOST HORSE MOUNTAIN 2G04	1920					76A	219	335	70	165	48
BLACKWALL PEAK 2G03P	1940	01-Feb		454	76%	563	776	1076	159	595	41
HARTS PASS WA09	1980	30-Jan	173	518	66%*	871	1016	1328	246	781*	53
HARTS PASS WA09P	1980	01-Feb		544	80%*	721	973	1005P	305	679*	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											

## SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE 3A09P	880							790	700	745*	2
CALLAGHAN CREEK 3A20	1040	01-Feb	101	302	52%	724	1040	1040	50	577	25
DOG MOUNTAIN 3A10	1080	26-Jan	184	717	98%	1243	1204	1243	206	731	25
GROUSE MOUNTAIN 3A01	1100	03-Feb	225	726	95%	1160	1322	1530Z	50	762	59
ORCHID LAKE 3A19	1190	26-Jan	193	675	59%		1855	1855	408	1141	29
ORCHID LAKE 3A19P	1190					1371	1767	1859	396	1215*	21
UPPER SQUAMISH RIVER 3A25P	1340	01-Feb		671	65%	1163	1478	1510	555	1025	17
NOSTETUKO RIVER 3A22P	1500	01-Feb		Not Sampled		422A	780	780	120	406*	19
UPPER MOSELY CREEK 3A24P	1650	01-Feb		221	92%*	209A	413	509	101	241*	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											

## VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER 3B04	270	26-Jan	56	183	191%	238	200	544	0	96	49
WOLF RIVER (LOWER) 3B19	640	26-Jan	50	174	70%	572	412	572	0	248	36

WOLF RIVER (MIDDLE)	3B18	1070	26-Jan	52	176	44%	684	626	742	0	401	37
FORBIDDEN PLATEAU	3B01	1130	26-Jan	122	433	45%	1504	1551	1640	42	955	53
JUMP CREEK	3B23P	1160	01-Feb		458	65%	1140	1331	1331	8	710	13
WOLF RIVER (UPPER)	3B17P	1490	01-Feb		411	47%	1030	1353	1371	162	881	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

## NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
TAHTSA LAKE	1B02	1300	28-Jan	244	789	96%	828	1345	1345	508A	821	54
TAHTSA LAKE	1B02P	1300	01-Feb		884	98%	829	1530	1530	613	903	15
BURNT BRIDGE CREEK	3C08P	1330	01-Feb		800A	135%*	608A	1024	1024	240	593*	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

## SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	26-Jan	56	133	55%		262	368	0	242	15
FREEZEOUT CREEK TRAIL	WA11	1070	31-Jan	69	251	113%*	274	330	462	13	223*	38
BEAVER PASS	WA12	1120	02-Feb	117	432	85%*	696	810	922	36	510*	40
KLESILKWA	3D03A	1130	26-Jan	76	250	97%		375	508	0	257	52
LIGHTNING LAKE	3D02	1220		Provisi	onal				242	67	250	4
HARTS PASS	WA09	1980	30-Jan	173	518	66%*	871	1016	1328	246	781*	53
HARTS PASS	WA09P	1980	01-Feb		544	80%*	721	973	1005P	305	679*	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

## PEACE Drainage Basin

	Elev.	Date of	Feb 2009			Historic, Water Equivalent (mm)					Yrs of
			Snow Depth	Water Equiv.	% of	2008	2007	Max.	Min.	Normal	

Snow Course Name and Number	metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record	
FORT ST. JOHN A	4A25	690	31-Jan	46	92	110%	78	152	154	22	84	35
PACIFIC LAKE	1A11	770	26-Jan	155	489	108%	403	666	679	179	451	41
BULLHEAD MOUNTAIN	4A28	790							149	0T	70	23
WARE (LOWER)	4A04	980	28-Jan	78	182	135%	134	174	286	63	135	40
PHILIP LAKE	4A13	980	27-Jan	85	219	108%	227	355	355	118	202	42
AIKEN LAKE	4A30P	1040	01-Feb		218	111%	188	248	330	116	197	22
TUTIZZI LAKE	4A06	1070	27-Jan	89	199	107%	168	271	348	109	186	40
TSAYDAYCHI LAKE	4A12	1160	27-Jan	97	258	93%	299	442	507	146	276	41
KAZA LAKE	1A12	1190	27-Jan	112	298	125%	232	289	440	125	239	38
PULPIT LAKE	4A09	1310	28-Jan	162	430	144%	314	377	530	190	298	37
PULPIT LAKE	4A09P	1310	01-Feb		463	149%	326	366	405	232	310	18
FREDRICKSON LAKE	4A10	1310	27-Jan	89	200	112%	157	222	309	110	179	40
PINE PASS	4A02P	1400	01-Feb		776	104%	829	957	1241	469	745	17
TRYGVE LAKE	4A11	1400	28-Jan	125	322	125%		342	434	183	258	38
SIKANNI LAKE	4C01	1400	28-Jan	100	240	130%	188	257	325	81	185	39
PINE PASS	4A02P	1400	01-Feb		776	104%	829	957	1241	469	745	17
MORFEE MOUNTAIN	4A16	1450	30-Jan	176	579	97%	622	709	952	323	599	40
LADY LAURIER LAKE	4A07	1460	29-Jan	172	390	109%	407	541	635	226	357	37
MOUNT SHEBA	4A18	1490	26-Jan	167	590	104%	631	932	932	299	570	39
GERMANSEN (UPPER)	4A05	1500	27-Jan	91	244	102%	251	356	371	140	239	40
MOUNT STEARNS	4A21	1500	28-Jan	55	116	115%	94	187	196	40	101	34
JOHANSON LAKE	4B02	1540	27-Jan	96	234	113%	186	265	355	115	208	38
MONKMAN CREEK	4A20	1550	26-Jan	118	378	92%	275	668	775	163	409	30
WARE (UPPER)	4A03	1570	28-Jan	85	204	112%	167	247	289	108	182	38
KWADACHA RIVER	4A27P	1620	01-Feb		289	122%*	248	233	371	139	237*	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

## LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FORT NELSON A	4C05	380	31-Jan	59	111	139%	49	72	128	35	80	43
DEASE LAKE	4C03	820	31-Jan	87	137	129%	92	85A	202	36	106	44
JADE CITY	4C15	940	26-Jan	91	228	146%*	150	164	196	102	156*	7
DEADWOOD RIVER	4C09P	1300	01-Feb		143	138%*	94	101	207	60	104*	14
SIKANNI LAKE	4C01	1400	28-Jan	100	240	130%	188	257	325	81	185	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

## SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
TERRACE A	4B13A	180	27-Jan	57	112	85%*	202	239	274	0T	131*	29
BEAR PASS	4B11A	460					294	704	821	192	505	24
NINGUNSAW PASS	4B10	690	02-Feb	165	447	140%	302	423	603	171	319	34
GRANDUC MINE	4B12P	790	01-Feb		1616	116%*		1639	1639	1275	1398*	3
CEDAR-KITEEN	4B18P	885	01-Feb		786	170%*	405	709	709	259	461*	7
TACHEK CREEK	4B06	1140	30-Jan	78	173	108%		298	298	99	160	12
KAZA LAKE	1A12	1190	27-Jan	112	298	125%	232	289	440	125	239	38
LU LAKE	4B15P	1310	01-Feb		231	123%*	199	353	353	94	188*	10
TSAI CREEK	4B17P	1360	01-Feb		907	113%*	855	1227	1227	619	806*	11
KIDPRICE LAKE	4B01	1370	31-Jan	251	840	132%	576	1106	1106	420	638	51
TRYGVE LAKE	4A11	1400	28-Jan	125	322	125%		342	434	183	258	38
HUDSON BAY MTN.	4B03A	1480	28-Jan	128	385	102%	370	533	665	221	379	37
SHEDIN CREEK	4B16P	1480	01-Feb		760	125%*	578	638	720	491	610*	12
JOHANSON LAKE	4B02	1540	27-Jan	96	234	113%	186	265	355	115	208	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												

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
NINGUNSAW PASS	4B10	690	02-Feb	165	447	140%	302	423	603	171	319	34
DEASE LAKE	4C03	820	31-Jan	87	137	129%	92	85A	202	36	106	44
ISKUT	4D02	1000	02-Feb	61	129	148%	55	100A	162	30	87	35
KINASKAN LAKE	4D11P	1020	01-Feb		458	165%*	189A	409	516	155	277*	18
TUMEKA CREEK	4D10P	1220	01-Feb		570	128%*		529	744	274	444*	17
WADE LAKE	4D14P	1370	01-Feb		397	159%*	260A	184	410	125	249*	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												

## March 1st, 2009 Snow Survey Bulletin:

Snow conditions across British Columbia at March 1st are highly variable, grading from well below normal in the south to above normal in the north:

- well below normal across the South Coast and South Interior (including the Okanagan, Similkameen, Kettle, Nicola, Kootenay);
- below normal in the North and South Thompson;
- near normal in the central interior (Upper Fraser, Nechako);
- above normal in the north (Peace, Skeena, Liard, Stikine).

Basin snow water indices across B.C. vary from a low of only 56% of normal on Vancouver Island to a high of 141% of normal in the Stikine. Basin snow water indices for individual basins are: South Coast – 63%; Columbia – 76%; Okanagan – 72%; Similkameen – 59%; Kootenay – 71%; South Thompson – 84%; North Thompson – 88%; Upper Fraser – 109%; Peace – 104%; Skeena-Nass – 112%.

### Water Supply Outlook:

By March 1, on average over 80 percent of the peak snowpack across the province has accumulated. For the southern half of the province, peak winter snow accumulation usually occurs by mid-April. For the portions of the province currently experiencing the well below normal snow conditions (Okanagan, Kettle, Similkameen, Nicola and Kootenay basins, as well as on Vancouver Island and along the South Coast), there is little winter remaining to accumulate additional snow such that the overall basin water supply conditions will be altered. The current snow conditions suggest the strong possibility for below normal streamflow and water-supply in those areas during the summer. This may be reflected in such things as lower than normal lake and reservoir levels, lower than normal recharge of groundwater aquifers, and the potential for lower than normal river levels during summer.

The well above normal snowpacks in some portions of northern B.C., such as the Skeena/Nass, Stikine and Liard, may result in higher than normal stream flows during the freshet snowmelt period in late May and June.

Click here for the [Mar 1st Snow Survey Data](#)

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
HANSARD	1A06A	610	24-Feb	93	243	124%	206	207	396	44	196	36
PRINCE GEORGE A	1A10	690	23-Feb	70	162	119%	132	158	296	0	136	47
PACIFIC LAKE	1A11	770	25-Feb	203	728	128%	633	798	832	277	569	46
BURNS LAKE	1A16	800	25-Feb	68	148	103%	156	250	250	60	143	37
CANOE RIVER	2A01A	910	26-Feb	44	110	97%	101	173	251	19	113	68
PHILIP LAKE	4A13	980	26-Feb	81	229	91%	291	400	400	138	252	45
HEDRICK LAKE	1A14	1100	25-Feb	214	793	128%	725	791	954	327	618	41
HEDRICK LAKE	1A14P	1100	01-Mar		844	133%*	788	919	919	386	636*	9
BIRD CREEK	1A23	1180	28-Feb	66	148	114%*	148	218	232	72	130*	19
KAZA LAKE	1A12	1190	26-Feb	113	343	115%	336	362	478	186	297	43
LU LAKE	4B15	1300	27-Feb	96	272	101%	242	412	412	122	269	30
LU LAKE	4B15P	1310	01-Mar		263	98%	247	402	402	116	269	10
EQUITY MINE	4B14	1420	27-Feb	126	386	110%	314	546	546	190	351	31
MOUNT SHEBA	4A18	1490	25-Feb	213	808	113%	871	1123	1123	394	715	38
BARKERVILLE	1A03P	1520	01-Mar		300	94%	266	360	479	150A	319	30
MC BRIDE (UPPER)	1A02	1580	25-Feb	127	333	92%	351	515	594	169	361	55
KNUDSEN LAKE	1A15	1580	25-Feb	219	840	116%	797	964	1098	404	722	38
MCKBRIDE (UPPER)	1A02P	1620	01-Mar		360	95%*	356	525	525	259	380*	3
REVOLUTION CREEK	1A17P	1690	01-Mar		763	110%	773	908	1119	336	696	23
LONGWORTH (UPPER)	1A05	1740	25-Feb	208	794	118%	832	812	1104	307	674	50
DOMMOUNTAIN	1A19	1820	25-Feb	201	646	99%	658	775	981	318	650	35
DOMMOUNTAIN	1A19P	1820	01-Mar		630	97%*	634	859	859	450	648*	3
MARMOT JASPER	AL12	1830	25-Feb	78	160	83%*	177	252	314	91	193*	25
YELLOWHEAD	1A01P	1860	01-Mar		379	76%	454	552	720	266	499	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												

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SKINS LAKE	1B05	880	27-Feb	37	86	75%	118	189	226	54	115	45
TAHTSA LAKE	1B02	1300	27-Feb	266	960	94%	1056	1504	1504	571	1025	57
TAHTSA LAKE	1B02P	1300	01-Mar		1027	95%	1091	1719	1719	661	1084	15
KIDPRICE LAKE	4B01	1370					808	1252	1252	429	802	57
MOUNT PONDOSY	1B08P	1400	01-Mar		539	76%	606	948	994	360	710	16
MOUNT WELLS	1B01	1490	27-Feb	161	513	111%	424	635	886	244	464	56
MOUNT WELLS	1B01P	1490	01-Mar		616	124%	469	738	738	244	495	16

NUTLI LAKE	1B07	1490	28-Feb	143	467	101%*	434	717	717	229	462*	18
MOUNT SWANNELL	1B06	1620	28-Feb	107	334	134%*	244	367	446	132	250*	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

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
PUNTZI MOUNTAIN	1C22	940	28-Feb	30	50	79%	36	84	128	0	63	38
BROOKMERE	1C01	980	27-Feb	37	64	33%	160	266	351	53	194	64
NAZKO	1C08	1070	26-Feb	49	98	123%	72	102	155	0	80	32
BIG CREEK	1C21	1140	27-Feb	33	66	120%	30	40	112	0	55	37
GRANITE MOUNTAIN	1C33A	1150	23-Feb	73	196	120%	211	191	254	87	164	16
DUFFEY LAKE	1C28	1200	27-Feb	126	334	73%	452	652	762	194	459	30
PAVILION	1C06	1230	01-Mar	24	47	66%	60	82	168	0	71	52
BRIDGE GLACIER (LOWER)	1C39	1400	27-Feb	68	146	28%*	472	790	954	262	528*	14
DEADMAN RIVER	1C32	1430	28-Feb	53	120	114%	96	191	191	44	105	25
BRALORNE	1C14	1450	27-Feb	45	67	40%	97	252	363	0	169	45
SHOVELNOSE MOUNTAIN	1C29	1450	27-Feb	48	117	46%	183	258	398	100	253	28
BOSS MOUNTAIN MINE	1C20P	1460	03-Mar		473	93%	600	532	735	308	511	15
LAC LE JEUNE (UPPER)	1C25	1460	26-Feb	40	80	60%	83	174	213	13A	134	36
BRENDA MINE	2F18	1460	03-Mar	68	160	56%	240	304	495	130	287	40
BRENDA MINE	2F18P	1460	01-Mar		198	58%	288	388	431	184	342	16
HIGHLAND VALLEY	1C09A	1510	03-Mar	37	68	76%	64	126	229	25A	89	43
BARKERVILLE	1A03P	1520	01-Mar		300	94%	266	360	479	150A	319	30
HORSEFLY MOUNTAIN	1C13A	1550	27-Feb	151	504	121%	472	500	624	238	418	36
GNAWED MOUNTAIN	1C19	1580	03-Mar	41	62	56%	110	160	259	15	111	41
MOUNT TIMOTHY	1C17	1660	28-Feb	110	305	107%	315	342	468	141	285	46
YANKS PEAK EAST	1C41P	1670	01-Mar		777	111%	754	784	900	398	700	12
PENFOLD CREEK	1C23	1680	25-Feb	216	766	93%	888		1132	453	828	33
GREEN MOUNTAIN	1C12P	1780	01-Mar		311	41%	762	1076	1259	445	754	15
MCGILLIVRAY PASS	1C05	1800	27-Feb	108	260	50%	443	651	1016	222	522	57
MISSION RIDGE	1C18P	1850	01-Mar		282	55%	490	703	866	269	515	22
DOWNTON LAKE (UPPER)	1C38	1890	27-Feb	116	302	40%	732	1034	1250	458	755	14
TYAUGHTON CREEK (NORTH)	1C40	1950	27-Feb	77	180	49%	366	530	916	248	368	14
BRALORNE(UPPER)	1C37	1980	27-Feb	103	268	42%	440	760	944	322	631	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
WOLVERINE CREEK 1D13	300	28-Feb	34	90	98%*	130	72	232	0	92*	33
SUMALLO RIVER WEST 3D01C	790	28-Feb	63	193	71%	338	306	442	44	271	17
BROOKMERE 1C01	980	27-Feb	37	64	33%	160	266	351	53	194	64
DISAPPOINTMENT LAKE 1D18P	1040							1746	300P	1123*	8
CALLAGHAN CREEK 3A20	1040	01-Mar	146	440	57%	925A	1206	1260	200	770	31
DICKSON LAKE 1D16	1070	28-Feb	244	910	72%	1810	1814	1814	322	1263	16
DOG MOUNTAIN 3A10	1080	27-Feb	223	843	83%	1412	1510A	2146Z	256	1016	25
BEAVER PASS WA12	1120	04-Mar	122	465	72%*	836	881	1298	30	649*	60
KLESILKWA 3D03A	1130	28-Feb		Not Sampled		342		759	0	296	57
SPUZZUM CREEK 1D19P	1180	01-Mar		713	57%*	1545	1909	1909	341	1254*	9
DUFFEY LAKE 1C28	1200	27-Feb	126	334	73%	452	652	762	194	459	30
STAVE LAKE 1D08	1210	28-Feb	232	731	57%	1542	1676	2500A	304	1285	41
WAHLEACH LAKE 1D09	1400	28-Feb	103	333	63%	613	604	1072	86	528	42
WAHLEACH LAKE 1D09P	1400	01-Mar		558	58%	1030	1085	1213	451	955	16
NAHATLATCH RIVER 1D10	1520	28-Feb	172	585	49%	1215	1494	2380A	400	1194	40
EASY PASS WA13	1580	27-Feb	213	889	54%*	1727		2913	478	1657*	38
CHILLIWACK RIVER 1D17P	1600	01-Mar		994	85%*	1373	1703	1703	506	1163*	15
GREAT BEAR 1D15P	1660	01-Mar		528	37%	1515	1781	1781	668	1423	17
TENQUILLE LAKE 1D06P	1680	01-Mar		484	59%*	881	1227	1227	518	820*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
BLUE RIVER 1E01B	670	28-Feb	114	328	113%	318	402	411	179	290	26
KNOUFF LAKE 1E05	1200	28-Feb	52	125	94%	136	158	284	36	133	50
COOK CREEK 1E14P	1280	01-Mar		484	104%*	510	686	686	308	466*	9
BOSS MOUNTAIN MINE 1C20P	1460	03-Mar		473	93%	600	532	735	308	511	15
MOUNT COOK 1E02P	1550	01-Mar		919	93%*	1324	1163	1324	680	988*	8
AZURE RIVER 1E08P	1620	01-Mar		743	76%	1110	1096	1335	548	980	12
ADAMS RIVER 1E07	1720	27-Feb	154	490	85%	644Z	680	892	262	575	38
KOSTAL LAKE 1E10P	1770	01-Mar		716	98%	836	761	1019	477	733	24
TROPHY MOUNTAIN 1E03A	1860	27-Feb	151	470	104%	524Z	518	778	216	453	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

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ANGLEMONT	1F02	1190	26-Feb	98	301	89%	355	402	635	160	337	52
ABERDEEN LAKE	1F01A	1310					106	138	231	51	145	55
MONASHEE PASS	2E01	1370	28-Feb	106	315	103%	258	292	442	149	306	49
BOULEAU LAKE	2F21	1400	28-Feb	67	166	56%	216	284	432A	165	295	38
CELISTA	1F06P	1500	01-Mar		589	76%*	725A	923	923	686	779*	4
ADAMS RIVER	1E07	1720	27-Feb	154	490	85%	644Z	680	892	262	575	38
KIRBYVILLE LAKE	2A25	1750	26-Feb	248	820	83%	1086	1179	1476	526	986	35
SILVER STAR MOUNTAIN	2F10	1840	28-Feb	144	502	79%	649	666	912	347	636	50
PARK MOUNTAIN	1F03P	1890	01-Mar		679	92%	698	739	1021	383	739	24
ENDERBY	1F04	1900	25-Feb	199	701	82%	819	899	1200	440	859	45
A - SAMPLING PROBLEMS WERE ENCOUNTERED												
B - EARLY OR LATE SAMPLING												
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED												
E - ESTIMATED BASED ON AREAL AVERAGE												
* - PERIOD OF RECORD AVERAGE												

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
CANOE RIVER	2A01A	910	26-Feb	44	110	97%	101	173	251	19	113	68
DOWNIE SLIDE (LOWER)	2A27	980	26-Feb	182	532	84%	662	826	1018	378	631	28
GLACIER	2A02	1250	01-Mar	164	550	87%	665	760	952	251	631	69
FIELD	2A03A	1280	24-Feb	60	140	86%	171	192	248	53	162	69
SUNWAPTA FALLS	AL11	1400	26-Feb	64	137	82%*	174	219	277	79	167*	37
VERMONT CREEK	2A19	1520	27-Feb	99	218	55%	381	460	643	152	400	42
AZURE RIVER	1E08P	1620	01-Mar		743	76%	1110	1096	1335	548	980	12
DOWNIE SLIDE (UPPER)	2A29	1630	26-Feb	249	846	74%	1252	1304	2120	614	1139	29
KICKING HORSE	2A07	1650	24-Feb	84	214	69%	273	351	462	140	308	62
KIRBYVILLE LAKE	2A25	1750	26-Feb	248	820	83%	1086	1179	1476	526	986	35
MOUNT REVELSTOKE	2A06P	1830	01-Mar		773	76%	1133	1196	1487	537	1014	14
FIDELITY MOUNTAIN	2A17	1870	23-Feb	235	966	89%	1258	1268	1703	534	1081	46
BEAVERFOOT	2A11	1890	27-Feb	59	122	64%	158	242	333	80A	192	47
KEYSTONE CREEK	2A18	1890	26-Feb	161	488	70%	781	815	1277	357	696	40
GOLDSTREAM	2A16	1920	26-Feb	240	832	86%	1129	1087	1351	553	968	45
BUSH RIVER	2A23	1920	26-Feb	148	416	57%	688	850	1078	281	727	41
NIGEL CREEK	AL10	1920	26-Feb	112	277	77%*	333	514	655	135	360*	37
MOUNT ABBOT	2A14	1980	23-Feb	210	816	78%	1162	1285	1448	508	1051	49
MOLSON CREEK	2A21P	1980	01-Mar		724	84%	1047	1215	1215	437	865	25

SUNBEAM LAKE	2A22	2010	26-Feb	194	655	84%	794	889	1117	389	780	40
MIRROR LAKE	AL06	2030	25-Feb	90	181	72%*	213	254	483	122	253*	42
BOW SUMMIT II	AL07A	2080	28-Feb	100	230	72%*	281	404	533	124	318*	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

## LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	02-Mar	123	397	74%	490	650	796	283	539	57
BAIRD	WA02	980					208	201	368	0	184*	50
FARRON	2B02A	1220	27-Feb		Not Sampled			309	450	79	295	35
MONASHEE PASS	2E01	1370	28-Feb	106	315	103%	258	292	442	149	306	49
WHATSHAN (UPPER)	2B05	1480	28-Feb	163	509	83%	513	630	918	285	611	46
BARNES CREEK	2B06	1620	28-Feb	149	451	101%	415	437	634	251	447	47
BARNES CREEK	2B06P	1620	01-Mar		461	105%	439	442	682	229	440	15
ST. LEON CREEK	2B08	1800	28-Feb	252	820	75%	1040	1175	1621	500	1098	39
ST. LEON CREEK	2B08P	1800	01-Mar		720	74%	881	1039	1392	416	974	15
KOCH CREEK	2B07	1860	28-Feb	142	411	66%	596		996	269	625	43
RECORD MOUNTAIN	2B09	1890	28-Feb	133	356	57%	596	645	1136	147	628	33
EAST CREEK	2D08P	2030	01-Mar		503	64%	844	875A	1167	312	790	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

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
KISHENEHN	MT01	1190				259	256	399	36	209*	63	
FERNIE EAST	2C07	1250	28-Feb	71	197	63%	348	290	584	61	313	58
SINCLAIR PASS	2C01	1370				112	114	262	48	126	62	
BRUSH CREEK TIMBER	MT03	1520	24-Feb	97	292	133%*	272		432	86	220*	54
SULLIVAN MINE	2C04	1550	01-Mar	71	166	62%	254	290	465	53	268	63
VERMILION RIVER NO.3	2C20	1570	26-Feb	78	202	72%*	260	286	493	142	280*	15
WEASEL DIVIDE	MT02	1660	02-Mar	157	556	76%*	721	691	1257	254	727*	50
KIMBERLEY (MIDDLE) VOR	2C12	1680	26-Feb	66	155	64%	229	218	386	97	242	39
BANFIELD MOUNTAIN	MT05P	1710				472	386	663	188	371*	11	

MOUNT JOFFRE	2C16	1750	27-Feb	107	227	69%	268	295	551	122	329	37
MORRISSEY RIDGE	2C09Q	1800	01-Mar		412	66%	604	510	1074	232	620	25
MOYIE MOUNTAIN	2C10P	1930	01-Mar		312	92%	424	469	653	149	338	29
HAWKINS LAKE	MT06P	1970					612	635	881	254	507*	11
ALLISON PASS	AL01	1980	26-Feb	119	259	67%*	384	374	625	189	387*	26
WILKINSON SUMMIT (BUSH)	AL03	1980	26-Feb	62	114	68%*			307	62	168*	16
THUNDER CREEK	2C17	2010	27-Feb	64	152	64%	175	249	378	91	239	38
FLOE LAKE	2C14	2090	27-Feb	175	521	78%	615	721	993	279	665	39
FLOE LAKE	2C14P	2090	01-Mar		499	81%	608	679	889	254	614	14
KIMBERLEY (UPPER) VOR	2C11	2140	26-Feb	89	223	57%	364	406	696	152	390	40
HIGHWOOD SUMMIT (BUSH)	AL02	2210	26-Feb	106	226	71%*	272	332	455	145	318*	30
MOUNT ASSINIBOINE	2C15	2230	27-Feb	134	321	71%	418	501	680	185	454	39
SUNSHINE VILLAGE	AL05	2230	02-Mar	142	408	84%*	478	552	770	211	486*	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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
DUNCAN LAKE NO. 2	2D07A	650	04-Mar	58	194	138%*	192	192	263	72	141*	18
FERGUSON	2D02	880	02-Mar	123	397	74%	490	650	796	283	539	57
NELSON	2D04	930	27-Feb	81	254	72%	336	366	558	140	353	69
SANDON	2D03	1070					341	361	475	196	347	32
CHAR CREEK	2D06	1310	01-Mar	107	322	68%	496	471	754	231	476	41
BUNCHGRASS MEADOW	WA01P	1520	01-Mar	160	447	72%*	587	526	1049	318	624*	11
GRAY CREEK (LOWER)	2D05	1550	27-Feb		Not Sampled		376	382A	663	201	406	58
KOCH CREEK	2B07	1860	28-Feb	142	411	66%	596		996	269	625	43
MOUNT TEMPLEMAN	2D09	1860	27-Feb		Not Sampled				1534	490	935	36
GRAY CREEK (UPPER)	2D10	1910	27-Feb	158	477	73%	676	632	955	343	651	37
EAST CREEK	2D08P	2030	01-Mar		503	64%	844	875A	1167	312	790	28
REDFISH CREEK	2D14P	2104	01-Mar		608	60%*	1201	1126	1256	761	1007*	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

## KETTLE Drainage Basin

	Elev.	Date of	Mar 2009			Historic, Water Equivalent (mm)					Yrs of
			Snow Depth	Water Equiv.	% of	2007	2006	Max.	Min.	Normal	

Snow Course Name and Number	metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record	
GOAT CREEK	WA04	1100				188	175	300	0	162*	46	
FARRON	2B02A	1220	27-Feb		Not Sampled		309	450	79	295	35	
CARMI	2E02	1250	01-Mar	56	152	103%	88	148	274	56	147	46
MONASHEE PASS	2E01	1370	28-Feb	106	315	103%	258	292	442	149	306	49
SUMMIT G.S.	WA05	1400				208	256	305	63	195*	45	
BIG WHITE MOUNTAIN	2E03	1680	01-Mar	110	304	71%	348	419	676	213	426	43
GRANO CREEK	2E07P	1860	01-Mar		296	69%*	398	484	634	206	426*	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

## OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SUMMERLAND RESERVOIR	2F02	1280	27-Feb	63	128	60%	187	273	381	97	214	48
MC CULLOCH	2F03	1280	27-Feb	61	223	142%	115	158	249	71	157	69
ABERDEEN LAKE	1F01A	1310					106	138	231	51	145	55
OYAMA LAKE	2F19	1340	27-Feb	65	135	86%	116	154	241	73	157	39
POSTILL LAKE	2F07	1370	26-Feb	67	152	82%	121	206	274	98	186	59
VASEUX CREEK	2F20	1400	06-Mar	41	86	62%	72	136A	284	52	139	38
BOULEAU LAKE	2F21	1400	28-Feb	67	166	56%	216	284	432A	165	295	38
TROUT CREEK	2F01	1430	23-Feb	38	141	83%	154	227	335	55	169	69
BRENDA MINE	2F18	1460	03-Mar	68	160	56%	240	304	495	130	287	40
BRENDA MINE	2F18P	1460	01-Mar		198	58%	288	388	431	184	342	16
ISLAHT LAKE	2F24	1480	02-Mar	72	163	51%	287	352	497	161	317	27
GREYBACK RESERVOIR	2F08	1550	03-Mar	72	184	93%	154	172	312	91	198	42
ESPERON CR (UPPER)	2F13	1650	28-Feb	80	206	56%	284	336	635	157	371	40
MUTTON CREEK NO. 1	WA07	1740					325	406	589	0	307*	65
ISINTOK LAKE	2F11	1680	27-Feb	43	92	56%	89	150	358	53	164	44
MACDONALD LAKE	2F23	1740	03-Mar	83	225	57%	387	450	583	170	394	32
MISSION CREEK	2F05P	1780	01-Mar		330	85%	349	386	610	206	388	37
GRAYSTOKE LAKE	2F04	1810					230Z		605	128	330	28
MOUNT KOBAN	2F12	1810	28-Feb	66	164	63%	195	308	488	61	259	43
WHITEROCKS MOUNTAIN	2F09	1830	28-Feb	87	248	50%	464	493	809	180	499	53
SILVER STAR MOUNTAIN	2F10	1840	28-Feb	144	502	79%	649	666	912	347	636	50

A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BROOKMERE	1C01	980	27-Feb	37	64	33%	160	266	351	53	194	64
FREEZEOUT CREEK TRAIL	WA11	1070	03-Mar	66	229	85%*	312	300	615	15	269*	59
LIGHTNING LAKE	3D02	1220	28-Feb	67	201	71%	314	356	497	36	282	35
HAMILTON HILL	2G06	1490	26-Feb	64	149	46%	247	347	676	102	326	47
MISSEZULA MOUNTAIN	2G05	1550	28-Feb	44	88	40%	145	238	363	76	221	45
ISINTOK LAKE	2F11	1680	27-Feb	43	92	56%	89	150	358	53	164	44
LOST HORSE MOUNTAIN	2G04	1920	01-Mar	56	154	75%	135	206	508	92	204	46
BLACKWALL PEAK	2G03P	1940	01-Mar		484	66%	739	870	1323	213	728	41
HARTS PASS	WA09	1980	02-Mar	195	668	71%*	1021	990A	1636	312	935*	58
HARTS PASS	WA09P	1980	02-Mar	191	620	75%*	902	1110	1320A	356	822*	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												

## SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
PALISADE LAKE	3A09	880	27-Feb	224	791	67%	1613	1930A	3150A	95	1183	54
PALISADE LAKE	3A09P	880							1287	1287	1287*	1
CALLAGHAN CREEK	3A20	1040	01-Mar	146	440	57%	925A	1206	1260	200	770	31
DOG MOUNTAIN	3A10	1080	27-Feb	223	843	83%	1412	1510A	2146Z	256	1016	25
GROUSE MOUNTAIN	3A01	1100	25-Feb	246	968	97%	1542	1740A	2320A	143	997	58
ORCHID LAKE	3A19	1190	27-Feb	264	860	55%	1780	2280A	2960A	444	1568	34
ORCHID LAKE	3A19P	1190						2145	3093	417	1560*	20
UPPER SQUAMISH RIVER	3A25P	1340					1384	1725	2301	574	1380	19
NOSTETUKO RIVER	3A22P	1500					533	852	852	165	500*	19
UPPER MOSELY CREEK	3A24P	1650	01-Mar		233	87%*	228	439	555	98	269*	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												

## VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	

ELK RIVER	3B04	270	04-Mar	64	238	209%	217	131	546	0	114	48
WOLF RIVER (LOWER)	3B19	640	05-Mar	67	196	56%	578	404	1064	0	347	38
UPPER THELWOOD LAKE	3B10	980	05-Mar	205	736	61%	1834	1700A	2440A	126	1204	48
WOLF RIVER (MIDDLE)	3B18	1070	05-Mar	87	260	49%	756	726	1344	20	532	38
FORBIDDEN PLATEAU	3B01	1130	05-Mar	183	652	51%	1752	1732	2730A	101	1279	53
JUMP CREEK	3B23P	1160	01-Mar		589	60%	1451	1538	2016	64	977	13
MOUNT COKELY	3B02A	1250	01-Mar	114	388	55%	978	1034	1034	34	701	27
WOLF RIVER (UPPER)	3B17P	1490	01-Mar		564	48%	1213	1539	1777	195	1178	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

## NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
WEDEENE RIVER SOUTH	3C07	300				729	628	817	119	407*	24	
TAHTSA LAKE	1B02	1300	27-Feb	266	960	94%	1056	1504	1504	571	1025	57
TAHTSA LAKE	1B02P	1300	01-Mar		1027	95%	1091	1719	1719	661	1084	15
BURNT BRIDGE CREEK	3C08P	1330				806	1148	1148	274	697*	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

## SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	28-Feb	63	193	71%	338	306	442	44	271	17
FREEZEOUT CREEK TRAIL	WA11	1070	03-Mar	66	229	85%*	312	300	615	15	269*	59
BEAVER PASS	WA12	1120	04-Mar	122	465	72%*	836	881	1298	30	649*	60
KLESILKWA	3D03A	1130	28-Feb		Not Sampled	342		759	0	296	57	
LIGHTNING LAKE	3D02	1220	28-Feb	67	201	71%	314	356	497	36	282	35
HARTS PASS	WA09	1980	02-Mar	195	668	71%*	1021	990A	1636	312	935*	58
HARTS PASS	WA09P	1980	02-Mar	191	620	75%*	902	1110	1320A	356	822*	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

## PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FORT ST. JOHN A	4A25	690	28-Feb	47	100	93%	98	190	191	38	107	35
PACIFIC LAKE	1A11	770	25-Feb	203	728	128%	633	798	832	277	569	46
BULLHEAD MOUNTAIN	4A28	790						187	187	0T	89	23
WARE (LOWER)	4A04	980	27-Feb	83	225	137%		212	246	97	164	44
PHILIP LAKE	4A13	980	26-Feb	81	229	91%	291	400	400	138	252	45
AIKEN LAKE	4A30P	1040	01-Mar		248	102%	248	300	363	150	242	22
TUTIZZI LAKE	4A06	1070	26-Feb	94	243	106%	253	311	386	140	230	45
TSAYDAYCHI LAKE	4A12	1160	26-Feb	99	288	84%	409	517	540	166	342	45
KAZA LAKE	1A12	1190	26-Feb	113	343	115%	336	362	478	186	297	43
PULPIT LAKE	4A09	1310	27-Feb	154	527	148%	438	469	531	233	357	44
PULPIT LAKE	4A09P	1310	01-Mar		518	143%	454	469	469	271	361	18
FREDRICKSON LAKE	4A10	1310	26-Feb	89	238	111%	235	280	315	129	214	44
PINE PASS	4A02P	1400	01-Mar		864	94%	1073	1195	1485	600	921	17
TRYGVE LAKE	4A11	1400	26-Feb	123	384	122%	376	442	453	211	315	44
SIKANNI LAKE	4C01	1400	27-Feb	105	302	132%	264	314	335	107	229	43
PINE PASS	4A02P	1400	01-Mar		864	94%	1073	1195	1485	600	921	17
MORFEE MOUNTAIN	4A16	1450	25-Feb	172	661	89%	819	954	1166	312	739	41
LADY LAURIER LAKE	4A07	1460	27-Feb	145	486	111%	509	655	662	255	438	42
MOUNT SHEBA	4A18	1490	25-Feb	213	808	113%	871	1123	1123	394	715	38
GERMANSEN (UPPER)	4A05	1500	26-Feb	95	277	92%	362	422	520	174	302	48
MOUNT STEARNS	4A21	1500	27-Feb	57	139	113%	121	208	227	56	123	34
JOHANSON LAKE	4B02	1540	26-Feb	98	280	111%	252	337	368	148	253	45
MONKMAN CREEK	4A20	1550	25-Feb		Not Sampled		473	822	925	211	522	27
WARE (UPPER)	4A03	1570	27-Feb	94	260	118%	224	293	360	114	220	48
KWADACHA RIVER	4A27P	1620	01-Mar		330	115%*	323	289	405	195	287*	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												

## LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FORT NELSON A	4C05	380	28-Feb	59	123	126%	71	85	177A	40	98	43
WATSON LAKE A	YK01	700					152	177	216	61	130*	43
FRANCES RIVER	YK02	730					164	165	312	65	140*	33
DEASE LAKE	4C03	820	01-Mar	80	190	152%	123	182	229	45	125	43
JADE CITY	4C15	940	23-Feb	116	310	155%*	196	208	300	128	200*	7
SUMMIT LAKE	4C02	1280	04-Mar	70	124	117%	94	150A	190	0T	106	39

DEADWOOD RIVER	4C09P	1300	01-Mar		175	145%*	136	135	220	58	121*	15
SIKANNI LAKE	4C01	1400	27-Feb	105	302	132%	264	314	335	107	229	43

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
TERRACE A	4B13A	180	25-Feb	47	150	105%*	272	260	407	0	143*	27
BEAR PASS	4B11A	460	27-Feb	222	697	114%	534		824	400A	610	24
NINGUNSAW PASS	4B10	690	28-Feb	177	470	115%	429	600A	629	232	408	34
GRANDUC MINE	4B12P	790	01-Mar		1955	125%*		1770	1770	1361	1562*	5
CEDAR-KITEEN	4B18P	885	01-Mar		947	163%*	685	833	833	319	580*	8
MCKENDRICK CREEK	4B07	1050	24-Feb	94	259	96%	272	324	391	155	269	41
TACHEK CREEK	4B06	1140	27-Feb	82	186	90%	190	332	332	117	206	41
KAZA LAKE	1A12	1190	26-Feb	113	343	115%	336	362	478	186	297	43
LU LAKE	4B15	1300	27-Feb	96	272	101%	242	412	412	122	269	30
LU LAKE	4B15P	1310	01-Mar		263	98%	247	402	402	116	269	10
TSAI CREEK	4B17P	1360	01-Mar		1057	111%*	1071	1407	1407	694	953*	11
KIDPRICE LAKE	4B01	1370					808	1252	1252	429	802	57
TRYGVE LAKE	4A11	1400	26-Feb	123	384	122%	376	442	453	211	315	44
EQUITY MINE	4B14	1420	27-Feb	126	386	110%	314	546	546	190	351	31
CHAPMAN LAKE	4B04	1460	24-Feb	124	374	90%	407	597	691	266	414	44
HUDSON BAY MTN.	4B03A	1480	23-Feb	142	461	100%	488	661	719	287	459	37
MOUNT CRONIN	4B08	1480	24-Feb	140	449	86%	513	602	869	345	522	40
SHEDIN CREEK	4B16P	1480	01-Mar		853	117%*	787	791	904	563	726*	13
JOHANSON LAKE	4B02	1540	26-Feb	98	280	111%	252	337	368	148	253	45

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SPEEL RIVER	AK03	80	28-Feb	257	1011	156%*	858	353	1024	353	649*	38
TELEGRAPH CREEK	4D01	580	28-Feb	101	240	154%	74	181	345	53	156	34
NINGUNSAW PASS	4B10	690	28-Feb	177	470	115%	429	600A	629	232	408	34

DEASE LAKE	4C03	820	01-Mar	80	190	152%	123	182	229	45	125	43
ISKUT	4D02	1000	27-Feb	64	146	136%	77	159	176	33	107	34
KINASKAN LAKE	4D11P	1020	01-Mar		555	171%*	243		527	204	324*	17
TUMEKA CREEK	4D10P	1220	01-Mar		640	124%*		615	789	338	517*	17
WADE LAKE	4D14P	1370	01-Mar		425	143%*	430	225	475	162	297*	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

## YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ATLIN LAKE	4E02A	730	01-Mar	61	146	132%*	92	177	185A	50	111*	25
LOG CABIN	4E01	880	25-Feb	150	454	138%	295	367	514	124	330	48
PINE LK AIRSTRIP	YK03	1010					238	187	330	25	192*	33
MONTANA MTN.	YK05	1020					139	164	202	65	128*	33
TAGISH	YK04	1080					159	186	227	75	125*	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



## Contents

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

## Basin Data and Graphs

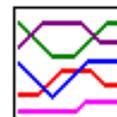
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Groundwater](#)
- [2009 Survey schedule](#)
- [2009 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

April 1, 2009

**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 1 snow survey is now complete. Data from 159 snow courses and 57 snow pillows around the province, with 29 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 across British Columbia at April 1st vary from below normal across the South Coast and South Interior (including the Okanagan, Similkameen, Kettle, Nicola, Kootenay), to near normal in the central interior (North Thompson, Nechako), and to above normal in the north (Upper Fraser, Peace, Skeena, Liard, Stikine). Basin snow water indices across B.C. at April 1 vary from a low of 67% of normal in the Similkameen River basin, to a high of 135% of normal in the Stikine and Liard. Snow conditions improved throughout south and central British Columbia during March, with many areas receiving heavier than normal snowfall during the month. However, snow conditions in the Kettle, Similkameen, Nicola and Kootenay basins, and along the South Coast, continue to be notably below normal, varying between 67-80% of normal.

### Weather

Weather during the winter was variable. Temperatures were significantly colder than normal for much of the province over much of the winter. The cold winter resulted in heavier than normal low elevation snow packs to develop. For November to February, precipitation was above normal in the north and below

normal in the south. March brought a change in the weather patterns, however, with a series of Pacific frontal storms moving across the province, bringing heavier than normal snowfall to most areas.

## Outlook

By April 1, over 95 percent of the winter's snowpack typically has accumulated. Winter is almost over, and the spring snowmelt is about to begin. For the portions of the province currently experiencing the well below normal snow conditions (Okanagan, Kettle, Similkameen, Nicola and Kootenay basins, as well as Vancouver Island and the South Coast), the current snow conditions suggest the likelihood for below normal streamflow and water-supply in those areas during the summer. For Okanagan Lake, the River Forecast Centre forecasts an April-July volume runoff of 52% of the long-term average. For the Similkameen River, the volume runoff forecast is 62% of the long-term average. The low snowpack and smaller than normal snowmelt runoff may be reflected in such things as lower than normal lake and reservoir levels, lower than normal recharge of groundwater aquifers, and lower than normal river levels during summer.

The above normal snowpacks in portions of northern B.C., such as the Skeena/Nass, Stikine, Liard and Upper Fraser are likely to result in higher than normal stream flows during the freshet snowmelt period in late May and June. There is potential for higher than normal peak flows on some northern rivers, including the Upper Fraser River (McBride, Prince George, Quesnel); the Skeena River (Terrace); the Nass River; and in the Liard (Lower Post F.N.) and Stikine basins.

For the Fraser River through the Lower Mainland, current snow conditions suggest a lower than normal peak flow (in late May or early June), with a peak flow of the Fraser River at Hope of 8,000-9,000 cubic metres per second (m<sup>3</sup>/s). As comparison, the peak 2007 peak flow at Hope was 11,000 m<sup>3</sup>/s, and the 2008 peak flow was 10,500 m<sup>3</sup>/s.

The North and South Thompson rivers and the Thompson River at Kamloops are most likely to experience near or slightly below normal peak discharge and water levels in late May or early June.

Snow conditions at the end of the winter comprise only part of the peak flow and water supply forecast puzzle. Spring weather has a large influence. Weather during April and May that is wetter or drier than normal, or that is warmer or colder than normal, can have significant effect on freshet river flows.

[Top](#)

---

**Upper Fraser & Nechako  
Basins**

[Snow Survey Data Measurements](#)

## April 1

The Upper Fraser snow index is 119% of normal, increased significantly from

109% at Mar 1st. Most snow courses across a range of elevations are above or well above normal, following a snowy March. Burns Lake (1A16) is 130% of normal, Prince George A (1A10) is 169%, and Pacific lake (1A11) is 136%, indicative of the heavy snow conditions at low elevation throughout the Upper Fraser. Hedrick Lake (1A14) and Revolution Creek (1A17P) are 138% and 119%, respectively, indicative of the heavy snowpack in the McGregor River portion of the Upepr Fraser.

The Nechako snow water index is 105% of normal, nearly unchanged from Mar 1st, and with abundant variability across the basin. The Mount Podosy (1B08P), Tahtsa Lake (1B02P) and Mount Wells (1B01P) snow pillows are 80%, 97%, and 122% of normal, respectively. The lower elevation Skins Lake snow course (1B05) is 81%.

[• Top](#)

---

## **Middle and Lower Fraser**      [Snow Survey Data Measurements](#)

### **April 1**

The Middle Fraser has an April 1st snow water index of 85% of normal, increased significantly from 71% at Mar 1st. The Chilcotin and Fraser Plateau areas have above normal snow (e.g., Nazko (1C08) = 177%, Big Creek (1C21) = 175%). The Cariboo Mountain area has above normal snow (e.g., Horsefly Mountain (1C13A) = 128%; Yanks Peak (1C41P) = 113%). However, southern portions of the Middle Fraser are well below normal (e.g., Green Mountain (1C12P) = 52%, Bridge Glacier Lower (1C39) = 39%, Mission Ridge (1C18P) = 72%).

The Lower Fraser snow water index for Apr 1st is well below normal, at only 65% (increased from 54% at Mar 1st). Dickson Lake (1D16) and Stave Lake (1D08) on the north side of the Lower Fraser valley are 93% and 72% of normal, respectively. In the Lillooet River basin, the high elevation Tenquille Lake (1D06P) is 65%. The Tenquille Lake value is the lowest in the past 10 years. The Chilliwack River (1D17P) and Wahleach (1D09P) snow pillows, located south of the Fraser River, are 97% and 69%, respectively.

[• Top](#)

---

## **Thompson Basin**      [Snow Survey Data Measurements](#)

### **April 1**

The North Thompson snow water index is 95% of normal, increased from 88% at Mar 1st, while the South Thompson index is 86%.

In the North Thompson basin, the Knouff Lake (1E05) snow course is 108% of

normal, and the Azure River (1E08P) and Kostal Lake (1E01P) snow pillows are 83% and 97%, respectively. Blue River (1E01B) at the north end of the basin is 131% of normal.

In the South Thompson basin, Enderby (1F04) is 86% of normal. The Park Mountain (1F03P) snow pillow is 94%. The Celistia Mountain (1F06P) snow pillow located north of Shuswap Lake is estimated to be near 81% of normal. Adams River (1E07) is 78%.

The Nicola basin has well below normal snow conditions. Lac Le Jeune Upper (1C25) is 77% of normal, and Brenda Mine (2F18), adjacent to the east edge of the Nicola basin, is only 69%. Brookmere (1C01) is only 55%.

[• Top](#)

---

## **Columbia Basin**

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

### **April 1**

The Columbia basin snow index is 78% of normal, a slight increase from Mar 1st. For the Upper Columbia, most snow courses are in the 65-90% of normal range, with a high of 92% for Canoe River (2A01A) and a low of 62% for Vermont Creek (2A19). For the Lower Columbia, measurements range from a low of 67% for Record Mountain (2B09) to a high of 108% for Barnes Creek (2B06P).

[• Top](#)

---

## **Kootenay Basin**

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

### **April 1**

The overall Kootenay snow water index is 80% of normal, increased from 71% at Mar 1st. Snow conditions are variable, reflecting the array of weather systems that have affected the Kootenay over the winter. Generally, snow conditions in the East Kootenay are slightly better than those in the West Kootenay. For the East Kootenay, values for individual snow survey sites range from a low of 62% at Sinclair Pass (2C01) to a high of 122% at the Moyie Mountain snow pillow (2C10P). For the West Kootenay values are similarly low, with 66% at East Creek (2D08P) and 79% at Nelson (2D04). Gray Creek (2D05), located east of Kootenay Lake, and with 60 years of measurement, is 78% of normal.

[• Top](#)

---

## Okanagan, Kettle, and Similkameen Basins

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

#### April 1

The overall Apr 1st snow water index of 80% for the Okanagan-Kettle is well below normal, but has increased from 72% at Mar 1st. For the Okanagan basin, snow conditions along the west and south sides of the valley are notably well below normal. Mount Kobau (2F12) in the far south Okanagan is only 62% of normal for the date. The Summerland Reservoir (2F02) and Isintok Lake (2F11) snow courses are 73% and 60% of normal, respectively. The Mission Creek (2F05P) snow pillow east of Kelowna is 89% of normal, while Silver Star (2F10) north of Vernon is 88%. In the Kettle River drainage, the Grano Creek (2E07P) snow pillow is 71% and Big White Mountain (2E03) is 82%.

Snow conditions in the Similkameen Basin are poor at Apr 1st, with a basin index of only 67% of normal. This is a slight improvement from 59% at Mar 1st. Missezula Mountain (2G05) and Hamilton Hill (2G06) are 50% and 60% of normal, respectively. Isintock Lake (2F11), adjacent to the eastern Similkameen, is 60%. The Blackwall Peak snow pillow (2G03P) is 74%.

[• Top](#)

---

## Vancouver Island & Coastal Regions

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

#### April 1

Mid and high elevation snow packs on the Vancouver Island and Coastal regions are significantly improved over the past month and are variable, but are still below normal as of Apr 1st. The Vancouver Island snow water index is only 69% of normal, while the South Coast index is 77% of normal. On Vancouver Island, the Jump Creek (3B23P) and Wolf River (3B17P) snow pillows are 82% and 60% of normal, respectively, at Apr 1st. With the cold winter, low elevation snow on Vancouver Island is well developed. Elk River (3B04) at 270 metres elevation, is 252% of normal. On the South Coast, the Grouse Mountain (3A01) and Dog Mountain (3A10) snow courses in the Metro Vancouver North Shore are 117% and 106%, respectively. Both these snow courses experienced greater than double their typical amount of March snowfall.

[• Top](#)

---

## North East Region

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

**April 1**

Precipitation in the Peace River basin was above normal for March, and its snow water index has increased to 109% of normal at Apr 1st, from 104% at Mar 1st. Most snow courses are in the 95 - 125%, with a low of 91% at Tsaydaychi Lake (4A12) to a high of 154% at Pulpit Lake (4A09). Low elevation snow courses such as Fort St. John A (4A25) and Ware Lower (4A04) are well above normal, at 143% and 145%, respectively.

Precipitation in the Liard River basin has been well above normal for much of the winter. As a result, the Liard basin has well above normal snowpacks. For the Liard basin, snow water equivalencies range between 177% at Fort Nelson A (4C05) and 129% at Deadwood River (4C15), with a basin average of 135%.

[Top](#)

---

**North West Region****[Snow Survey Data Measurements](#)****April 1**

The Skeena/Nass basins have a snow water index of 116% of normal for April 1st, increased from 112% at Mar 1st. For the two snow courses with the longest periods of record, Hudson Bay Mountain (4B03A), located near Smithers, is 103%, and Johanson Lake (4B02), located in the north-east corner of the basin, is 118%. Granduc Mine (4B12P) located near the west side of the Nass basin is 128%. The Lu Lake (4B15P) and Tsai Creek (4B17P) snow pillows are 106% and 105% of normal, respectively. Snow conditions in the Bulkley River portion of the Skeena basin appear to be near normal, with Mount Cronin (4B08) at 87% and Tachek Creek (4B06) at 109%.

Snow conditions in the Stikine basin are well above normal, at 135%. The Kinaskan Lake (4D11P) and Wade Lake (4D14P) snow pillows are 150% and 132% of normal, respectively. The Iskut (4D02) snow course is 161%.

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
PRINCE GEORGE A 1A10	690	27-Mar	73	199	169%	161	128	313	0	118	47
PACIFIC LAKE 1A11	770	26-Mar	234	856	136%	794	868	879	290	628	46
BURNS LAKE 1A16	800	30-Mar	68	168	130%	172	254	264	0	129	37
CANOE RIVER 2A01A	910	30-Mar	31	90	92%	100	114	262	0	98	68
PHILIP LAKE 4A13	980	27-Mar	103	288	100%	380	449	449	176	287	46
HEDRICK LAKE 1A14	1100	26-Mar	240	946	138%	850	835	1046	351	688	42
HEDRICK LAKE 1A14P	1100			1020	128%	941	1121	1121	581	791*	9
BIRD CREEK 1A23	1180	30-Mar	68	152	106%*	154	256	270	84	144*	19
KAZA LAKE 1A12	1190	27-Mar	137	418	124%	465	414	465	226	338	44
LU LAKE 4B15	1300	30-Mar	112	336	106%	296	504	504	162	318	32
LU LAKE 4B15P	1310	01-Apr		295	110%*	278	488	488	154	267*	10
EQUITY MINE 4B14	1420	30-Mar	142	442	109%	382	610A	640	258	405	32
MOUNT SHEBA 4A18	1490	26-Mar	262	952	115%	1041	1294	1294	495	825	40
BARKERVILLE 1A03P	1520	01-Apr		383	99%	326	439	524	221	387	32
MC BRIDE (UPPER) 1A02	1580	26-Mar	152	439	102%	420	644	780	225	429	56
KNUDSEN LAKE 1A15	1580	26-Mar	283	1093	132%	908	1153	1255	485	826	40
MCBRIDE (UPPER) 1A02P	1620	01-Apr		473	87%*	394	694	694	394	544*	2
REVOLUTION CREEK 1A17P	1690	01-Apr		947	119%	881	1170	1222	453	798	23
LONGWORTH (UPPER) 1A05	1740	26-Mar	262	1024	131%	1010	920	1234A	467	784	53
DOMMOUNTAIN 1A19	1820	26-Mar	243	836	110%	802	928	1057	416	761	38
DOMMOUNTAIN 1A19P	1820	01-Apr		814	106%*	743	1065	1065	503	770*	3
MARMOT JASPER AL12	1830	31-Mar	74	174	75%*	194	313	422	102	232*	39
YELLOWHEAD 1A01P	1860	01-Apr		461	78%	473	750	784	349	593	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											

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
SKINS LAKE 1B05	880	30-Mar	34	90	81%	110	184	203	0	111	45
TAHTSA LAKE 1B02	1300	31-Mar	309	1153	98%	1215	1800A	1800A	775	1179	56
TAHTSA LAKE 1B02P	1300	01-Apr		1170	97%	1219	2240	2240	860	1212	16
KIDPRICE LAKE 4B01	1370	30-Mar	255	1029	112%	863	1601	1601	622	919	55
MOUNT PONDOSY 1B08P	1400	01-Apr		640	80%	677	1143	1143	564	798	17
MOUNT WELLS 1B01	1490	30-Mar	168	584	111%	474	756	960	273	524	54
MOUNT WELLS 1B01P	1490	01-Apr		698	122%	524	872	872	344	573	17
NUTLI LAKE 1B07	1490	31-Mar	158	506	96%*	476	798	798	301	529*	18

MOUNT SWANNELL	1B06	1620	30-Mar	115	305	105%*	268	490	490	148	291*	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												

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
PUNTZI MOUNTAIN	1C22	940	31-Mar	4	12	39%	4A	60	120C	0	31	39
BROOKMERE	1C01	980	31-Mar	55	111	55%	167	206	399	51	201	64
NAZKO	1C08	1070	30-Mar	49	108	177%	72	99	165B	0	61	50
BIG CREEK	1C21	1140	31-Mar	12	28	175%	4	0	119	0	16	38
GRANITE MOUNTAIN	1C33A	1150	30-Mar	82	222	123%	272	194	272	73	181	16
DUFFEY LAKE	1C28	1200	30-Mar	148	462	91%	507	728	866	244	507	31
PAVILION	1C06	1230	30-Mar	24	68	170%	0T	0T	147	0T	40	52
BRIDGE GLACIER (LOWER)	1C39	1400	06-Apr	91	240	39%*	532	910	1086	356	617*	14
DEADMAN RIVER	1C32	1430	30-Mar	59	178	170%	128	118	188	30	105	25
BRALORNE	1C14	1450	06-Apr	45	104	58%	127	247	389	0	178	46
SHOVELNOSE MOUNTAIN	1C29	1450	26-Mar	59	149	57%	210A	180	442	70	260	30
BOSS MOUNTAIN MINE	1C20P	1460	01-Apr		548	89%	694	664	844	420	615	15
LAC LE JEUNE (UPPER)	1C25	1460	01-Apr	48	104	77%	117	119	228	43	135	36
BRENDA MINE	2F18	1460	03-Apr	95	221	69%	275	305	531	159	318	40
BRENDA MINE	2F18P	1460	01-Apr		286	73%	357	385	497	227	394	16
HIGHLAND VALLEY	1C09A	1510	02-Apr	49	62	65%	88	100	249	3A	96	43
BARKERVILLE	1A03P	1520	01-Apr		383	99%	326	439	524	221	387	32
HORSEFLY MOUNTAIN	1C13A	1550	30-Mar	156	592	128%	538	583	716	282	464	39
GNAWED MOUNTAIN	1C19	1580	02-Apr	57	84	67%	112	134	307	21	126	41
MOUNT TIMOTHY	1C17	1660	26-Mar	114	336	103%	364	357	533	186	327	46
YANKS PEAK EAST	1C41P	1670	01-Apr		936	113%	911	964	994	521	829	12
PENFOLD CREEK	1C23	1680	26-Mar	282	1013	101%	1024	1226	1285	641	1000	33
GREEN MOUNTAIN	1C12P	1780	01-Apr		463	52%	844	1344	1408	616	896	15
MCGILLIVRAY PASS	1C05	1800	06-Apr	119	349	58%	480	805	1118	322	602	56
MISSION RIDGE	1C18P	1850	01-Apr		413	72%	505	883	908	357	576	22
DWNTON LAKE (UPPER)	1C38	1890	06-Apr	137	422	47%	814	1250A	1416	566	900	14
TYAUGHTON CREEK (NORTH)	1C40	1950	06-Apr	104	264	61%	416	638	844	288	432	14
BRALORNE (UPPER)	1C37	1980	06-Apr	117	328	43%	790A	934	1010	440	755	14
A - SAMPLING PROBLEMS WERE ENCOUNTERED												
B - EARLY OR LATE SAMPLING												
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED												
E - ESTIMATED BASED ON AREAL AVERAGE												
* - PERIOD OF RECORD AVERAGE												

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	04-Apr	94	283	119%	434	252	512B	0	238	17
BROOKMERE	1C01	980	31-Mar	55	111	55%	167	206	399	51	201	64
DISAPPOINTMENT LAKE	1D18P	1040			1164	78%			1985P	430P	1495*	6
CALLAGHAN CREEK	3A20	1040	31-Mar	191	670	74%	1056	1218	1604	192	902	32
DICKSON LAKE	1D16	1070	04-Apr	372	1440	93%	2120A	2130A	2990A	412	1547	17
DOG MOUNTAIN	3A10	1080	03-Apr	346	1295	106%	1650A	1608	2720A	51	1223	64
BEAVER PASS	WA12	1120	03-Apr	175	579	75%*	930	930	1849	94	777*	64
KLESILKWA	3D03A	1130	04-Apr	130	401	137%	367	323	792	0	293	61
SPUZZUM CREEK	1D19P	1180	01-Apr		1061	69%*	1819	2164	2164	465	1545*	9
DUFFEY LAKE	1C28	1200	30-Mar	148	462	91%	507	728	866	244	507	31
STAVE LAKE	1D08	1210	04-Apr	293	1118	72%	1770	1825	2750A	446	1554	41
WAHLEACH LAKE	1D09	1400	04-Apr	180	568	86%	886	644	1270	125	659	41
WAHLEACH LAKE	1D09P	1400	01-Apr		799	69%	1289	1353	1380P	614	1154	17
NAHATLATCH RIVER	1D10	1520	04-Apr	252	880	62%	1366	1786	2410A	523	1417	41
EASY PASS	WA13	1580	26-Mar	348	1473	72%*	1659	1720A	3094	996	2037*	33
CHILLIWACK RIVER	1D17P	1600	01-Apr		1361	97%*	1665	1879	1894	713	1398*	15
GREAT BEAR	1D15P	1660	01-Apr		716	40%	1770	2070	2400	769	1784	17
TENQUILLE LAKE	1D06P	1680	01-Apr		664	65%*	1005	1590	1590	713	1028*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670	29-Mar	101	362	131%	344	418	425	154	276	26
KNOUFF LAKE	1E05	1200	30-Mar	52	156	108%	166	154	274	58	144	53
COOK CREEK	1E14P	1280	01-Apr		660	115%*	608	769	769	409	575*	9
BOSS MOUNTAIN MINE	1C20P	1460	01-Apr		548	89%	694	664	844	420	615	15
MOUNT COOK	1E02P	1550	01-Apr		1181	100%*	1463	1440	1463	939	1181*	8
AZURE RIVER	1E08P	1620	01-Apr		964	83%	1230	1452	1511	716	1155	12
ADAMS RIVER	1E07	1720	27-Mar	173	552	78%	728	812	1069	435	707	39
KOSTAL LAKE	1E10P	1770	01-Apr		848	97%	960	923	1165	618	878	24
TROPHY MOUNTAIN	1E03A	1860	28-Mar	169	574	105%	558	560	888	332	545	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

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ANGLEMONT	1F02	1190	29-Mar	101	343	97%	354	420	561	142	353	51
ABERDEEN LAKE	1F01A	1310			Not Sampled		145	104	259	6	143	70
MONASHEE PASS	2E01	1370	06-Apr	111	390	114%	335	308	517	188	343	59
BOULEAU LAKE	2F21	1400	28-Mar	71	192	54%	264	268	564	172B	354	38
CELISTA	1F06P	1500	01-Apr		720	81%*	844	1118	1118	765	894*	4
ADAMS RIVER	1E07	1720	27-Mar	173	552	78%	728	812	1069	435	707	39
KIRBYVILLE LAKE	2A25	1750	26-Mar	271	981	83%	1250	1404	1816	701	1189	36
SILVER STAR MOUNTAIN	2F10	1840	31-Mar	186	669	88%	782	741	1115	414	760	50
PARK MOUNTAIN	1F03P	1890	01-Apr		814	94%	881	923	1207	549	867	24
ENDERBY	1F04	1900	30-Mar	243	880	86%	1109	1063	1430	610	1019	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												

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
CANOE RIVER	2A01A	910	30-Mar	31	90	92%	100	114	262	0	98	68
DOWNIE SLIDE (LOWER)	2A27	980	26-Mar	147	566	83%	716	874	1062	448	680	31
GLACIER	2A02	1250	28-Mar	177	624	85%	689	883	1161	371B	730	72
FIELD	2A03A	1280	31-Mar	45	132	86%	170	164	251	8	153	69
SUNWAPTA FALLS	AL11	1400	31-Mar	58	146	76%*	175	234	333	89	192*	40
VERMONT CREEK	2A19	1520	27-Mar	88	275	62%	428	563	843	190	446	43
AZURE RIVER	1E08P	1620	01-Apr		964	83%	1230	1452	1511	716	1155	12
DOWNIE SLIDE (UPPER)	2A29	1630	26-Mar	283	1032	77%	1548	1750	2360A	858	1347	31
KICKING HORSE	2A07	1650	29-Mar	87	239	69%	299	403	589	185	346	61
KIRBYVILLE LAKE	2A25	1750	26-Mar	271	981	83%	1250	1404	1816	701	1189	36
MOUNT REVELSTOKE	2A06P	1830	01-Apr		960	78%	1286	1489	1686	709	1230	16
FIDELITY MOUNTAIN	2A17	1870	26-Mar	285	1055	85%	1363	1640	1951	730	1248	46
BEAVERFOOT	2A11	1890	27-Mar	60	158	71%	174	284	460	105	222	49
KEYSTONE CREEK	2A18	1890	26-Mar	181	596	72%	850	989	1388	485	827	42
GOLDSTREAM	2A16	1920	26-Mar	263	970	84%	1257		1638A	785	1157	44
BUSH RIVER	2A23	1920	26-Mar	173	554	64%	750	1100	1331	455	865	42
NIGEL CREEK	AL10	1920	31-Mar	115	320	77%*	366	556	700	198	418*	40
MOUNT ABBOT	2A14	1980	27-Mar	280	985	78%	1347	1640	1849	698	1256	50
MOLSON CREEK	2A21P	1980	01-Apr		908	90%	1170	1553	1553	651	1014	26

SUNBEAM LAKE	2A22	2010	26-Mar	208	757	83%	899	1126	1384	590	917	42
MIRROR LAKE	AL06	2030	01-Apr	83	216	72%*	254	450	561	160	301*	69
BOW SUMMIT II	AL07A	2080	30-Mar	101	255	70%*	335	480	584B	180	365*	30

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	26-Mar	118	444	76%	563	760	881	142	587	71
BAIRD	WA02	980	27-Mar	64	234	146%*	290	130	363	0	160*	49
FARRON	2B02A	1220	04-Apr	96	314	95%	307	270	480	162	330	36
MONASHEE PASS	2E01	1370	06-Apr	111	390	114%	335	308	517	188	343	59
WHATSHAN (UPPER)	2B05	1480	06-Apr	167	626	94%	589	685	964	350	668	50
BARNES CREEK	2B06	1620	06-Apr	157	557	108%	508	450	768	299	518	51
BARNES CREEK	2B06P	1620	01-Apr		559	102%	555	540	773	323	546	16
ST. LEON CREEK	2B08	1800	06-Apr	269	1019	81%	1124	1504	1831	818	1253	39
ST. LEON CREEK	2B08P	1800	01-Apr		908	80%	1009	1402	1553	581	1133	15
KOCH CREEK	2B07	1860	06-Apr	165	540	72%	700	727	1156	397	755	48
RECORD MOUNTAIN	2B09	1890	27-Mar	161	504	67%	708	718	1307	315	752	33
EAST CREEK	2D08P	2030	01-Apr		608	66%	915	1174	1245	442	922	27

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
KISHENEHN	MT01	1190	29-Mar	61	224	112%*	292	155	465	36	200*	61
FERNIE EAST	2C07	1250	31-Mar	85	250	75%	378	190	605	123	335	57
SINCLAIR PASS	2C01	1370	27-Mar	35	84	62%	126	92	262A	36	135	72
BRUSH CREEK TIMBER	MT03	1520	26-Mar	109	381	162%*	287	117	434	51	235*	57
SULLIVAN MINE	2C04	1550	29-Mar	80	214	68%	268	296	538	137	313	63
VERMILION RIVER NO.3	2C20	1570	27-Mar	94	264	92%*	286	310	401	175	288*	15
WEASEL DIVIDE	MT02	1660	30-Mar	193	688	84%*	869	648	1346	312	821*	68
KIMBERLEY (MIDDLE) VOR	2C12	1680	26-Mar	78	229	82%	259	236	462	116	279	40
BANFIELD MOUNTAIN	MT05	1710	27-Mar	142	493	95%*	546	373	919	196	518*	38

BANFIELD MOUNTAIN	MT05P	1710	01-Apr	168	508	118%*	516	386	739	229	430*	11
MOUNT JOFFRE	2C16	1750	27-Mar	109	331	85%	330	340	711	179	388	40
MORRISSEY RIDGE	2C09Q	1800	01-Apr		608	82%	701	671	1224	360	744	25
RED MOUNTAIN	MT04	1830	01-Apr	155	490	103%*	533	411	810	211	477*	70
MOYIE MOUNTAIN	2C10P	1930	01-Apr		491	122%	529	522	679	216	401	29
HAWKINS LAKE	MT06P	1970	01-Apr	214	605	99%*	742	732	1001	310	614*	11
ALLISON PASS	AL01	1980	31-Mar	130	399	85%*	425	419	823	247	472*	45
WILKINSON SUMMIT (BUSH)	AL03	1980	31-Mar	93	208	99%*	170	186	460	100	210*	45
THUNDER CREEK	2C17	2010	27-Mar	96	234	82%	225	280	475	140A	287	38
FLOE LAKE	2C14	2090	27-Mar	182	591	75%	680	844	1242	411	791	39
FLOE LAKE	2C14P	2090	01-Apr		596	82%	683	881	1001	360	724	14
KIMBERLEY (UPPER) VOR	2C11	2140	26-Mar	118	331	71%	427	497	798	197	467	40
HIGHWOOD SUMMIT (BUSH)	AL02	2210	31-Mar	124	326	84%*	321	401	681	180	387*	38
MOUNT ASSINIBOINE	2C15	2230	27-Mar	155	463	84%	468	634	816	252	551	40
SUNSHINE VILLAGE	AL05	2230	02-Apr	160	490	82%*	541	660	996	277	596*	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

## WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
DUNCAN LAKE NO. 2	2D07A	650	05-Apr	39	154	183%*	172	104	223	0	84*	18
FERGUSON	2D02	880	26-Mar	118	444	76%	563	760	881	142	587	71
NELSON	2D04	930	27-Mar	81	294	79%	355	297	622	137	372	71
SANDON	2D03	1070			Not Sampled			585	71	357	68	
CHAR CREEK	2D06	1310	01-Apr	148	430	76%	600	493	940	273	563	43
SMITH CREEK	ID01	1460	27-Mar	241	808	72%*	1224	958	1940	508	1117*	66
BUNCHGRASS MEADOW	WA01P	1520	01-Apr	214	620	84%*	732	551	1214	414	735*	11
GRAY CREEK (LOWER)	2D05	1550	27-Mar	130	369	78%	502	425A	688	290	472	60
KOCH CREEK	2B07	1860	06-Apr	165	540	72%	700	727	1156	397	755	48
MOUNT TEMPLEMAN	2D09	1860	27-Mar		Not Sampled			1300	1608	688	1076	37
GRAY CREEK (UPPER)	2D10	1910	27-Mar	197	634	81%	830	765	1123	492	783	38
EAST CREEK	2D08P	2030	01-Apr		608	66%	915	1174	1245	442	922	27
REDFISH CREEK	2D14P	2104	01-Apr		803	64%*	1377	1486	1519	994	1251*	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

## KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
GOAT CREEK	WA04	1100	30-Mar	51	163	147%*	183	89	274	0	111*	44
FARRON	2B02A	1220	04-Apr	96	314	95%	307	270	480	162	330	36
CARMI	2E02	1250	03-Apr	65	176	124%	104	94	290	14	142	46
MONASHEE PASS	2E01	1370	06-Apr	111	390	114%	335	308	517	188	343	59
SUMMIT G.S.	WA05	1400	30-Mar	94	244	115%*	284	221	338	23	212*	46
BIG WHITE MOUNTAIN	2E03	1680	03-Apr	146	418	82%	440	450	762	332	507	43
GRANO CREEK	2E07P	1860	01-Apr		383	71%*	495	559	769	334	537*	11
BLUEJOINT MOUNTAIN	2E06	2040	06-Apr	168	549	74%	667	717	1175	329	742	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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SUMMERLAND RESERVOIR	2F02	1280	27-Mar	86	165	73%	230	255	389	96	226	72
MC CULLOCH	2F03	1280	31-Mar	46	157	101%	148	88	249	38	155	71
ABERDEEN LAKE	1F01A	1310			Not Sampled	145	104	259	6	143	70	
OYAMA LAKE	2F19	1340	30-Mar	66	148	87%	144	129	255	61	170	38
POSTILL LAKE	2F07	1370	30-Mar	69	190	85%	184	182	348	109	224	58
VASEUX CREEK	2F20	1400	01-Apr	44	98	62%	92	92	239	40	157	38
BOULEAU LAKE	2F21	1400	28-Mar	71	192	54%	264	268	564	172B	354	38
TROUT CREEK	2F01	1430	28-Mar	58	90	49%	200	208	396	52	182	72
ESPERON CR (MIDDLE)	2F14	1430	28-Mar	84	228	61%	316	334	607	196	372	41
BRENDA MINE	2F18	1460	03-Apr	95	221	69%	275	305	531	159	318	40
BRENDA MINE	2F18P	1460	01-Apr		286	73%	357	385	497	227	394	16
ISLAHT LAKE	2F24	1480	31-Mar	84	202	58%	322	338	501	165A	349	26
GREYBACK RESERVOIR	2F08	1550	02-Apr	102	247	106%	197	220	351	114	233	55
ESPERON CR (UPPER)	2F13	1650	28-Mar	97	258	59%	350	370	805	244	435	40
ISINTOK LAKE	2F11	1680	26-Mar	55	110	60%	144	138	424	66	183	44
MACDONALD LAKE	2F23	1740	03-Apr	132	334	72%	426	510	677	257	463	32
MUTTON CREEK NO. 1	WA07	1740	25-Mar	79	218B	63%*	384B	411B	721	56B	344*	68
MISSION CREEK	2F05P	1780	01-Apr		420	89%	473	461	728	278	472	37
GRAYSTOKE LAKE	2F04	1810			Not Sampled	296Z	296	828	196	405	39	
MOUNT KOBAN	2F12	1810	28-Mar	71	198	62%	236	320	602	105	318	43
WHITEROCKS MOUNTAIN	2F09	1830	28-Mar	112	343	59%	537	577	1021	318	586	54
SILVER STAR MOUNTAIN	2F10	1840	31-Mar	186	669	88%	782	741	1115	414	760	50
A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BROOKMERE	1C01	980	31-Mar	55	111	55%	167	206	399	51	201	64
FREEZEOUT CREEK TRAIL	WA11	1070	04-Apr	84	290	96%*	399	284	665	8	301*	64
LIGHTNING LAKE	3D02	1220	27-Mar	80	231	76%	361	369	622	60	305	61
HAMILTON HILL	2G06	1490	28-Mar	82	212	60%	288	325	851	83	356	49
MISSEZULA MOUNTAIN	2G05	1550	27-Mar	53	122	50%	162	210	516B	90	242	48
ISINTOK LAKE	2F11	1680	26-Mar	55	110	60%	144	138	424	66	183	44
LOST HORSE MOUNTAIN	2G04	1920	31-Mar	78	188	77%	221		533	138	243	45
BLACKWALL PEAK	2G03P	1940	01-Apr		615	74%	848	979	1494	400	833	41
HARTS PASS	WA09	1980	04-Apr	244	884	82%*	1219	1288	1725	510	1084*	66
HARTS PASS	WA09P	1980	01-Apr	215	787	79%*	1057	1257	1770	429	991*	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

## SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
PALISADE LAKE	3A09	880	30-Mar	315	1266	88%	2020A	1810A	3560A	285	1440	60
POWELL RIVER (LOWER)	3A05	910	29-Mar	213	815	110%	1025	997	1554	85	743	48
POWELL RIVER (UPPER)	3A02	1040	29-Mar	275	940	90%	1205	1320A	1813	467	1046	45
CALLAGHAN CREEK	3A20	1040	31-Mar	191	670	74%	1056	1218	1604	192	902	32
DOG MOUNTAIN	3A10	1080	03-Apr	346	1295	106%	1650A	1608	2720A	51	1223	64
GROUSE MOUNTAIN	3A01	1100	03-Apr	374	1412	117%	1830A	1870A	2670A	44	1203	73
ORCHID LAKE	3A19	1190	30-Mar	366	1279	67%	2170A	2370A	3770A	748	1905	35
UPPER SQUAMISH RIVER	3A25P	1340			Not Sampled	1601	2089	2089	803	1620	18	
NOSTETUKO RIVER	3A22P	1500	01-Apr		218	37%*	578	1058	1058	233	594*	18
UPPER MOSELY CREEK	3A24P	1650	01-Apr		236	82%*	225	506	567	135	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

## VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ELK RIVER	3B04	270	03-Apr	57	224	252%	156	41	607	0	89	47
WOLF RIVER (LOWER)	3B19	640	03-Apr	80	290	76%	636	394	1198	0	381	37
UPPER THELWOOD LAKE	3B10	980	03-Apr	324	1292	83%	2216	2050A	3200A	354	1554	49
WOLF RIVER (MIDDLE)	3B18	1070	03-Apr	133	426	64%	942	814	1706	0	664	37
FORBIDDEN PLATEAU	3B01	1130	03-Apr	274	974	61%	1941	1987	3550A	387	1595	54
JUMP CREEK	3B23P	1160	01-Apr		986	82%	1909	1556	1909	184	1208	12
MOUNT COKELY	3B02A	1250	29-Mar	188	644	75%	1156	1116	2100A	331	864	28
WOLF RIVER (UPPER)	3B17P	1490	01-Apr		850	60%	1442	1783	1878	305	1420	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												

## NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
WEDEENE RIVER SOUTH	3C07	300			Not Sampled	722	900A	900A	36	383*	25	
TAHTSA LAKE	1B02	1300	31-Mar	309	1153	98%	1215	1800A	1800A	775	1179	56
TAHTSA LAKE	1B02P	1300	01-Apr		1170	97%	1219	2240	2240	860	1212	16
BURNT BRIDGE CREEK	3C08P	1330			Not Sampled	885	1384	1384	201	764*	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												

## SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	04-Apr	94	283	119%	434	252	512B	0	238	17
FREEZEOUT CREEK TRAIL	WA11	1070	04-Apr	84	290	96%*	399	284	665	8	301*	64
BEAVER PASS	WA12	1120	03-Apr	175	579	75%*	930	930	1849	94	777*	64
KLESILKWA	3D03A	1130	04-Apr	130	401	137%	367	323	792	0	293	61
LIGHTNING LAKE	3D02	1220	27-Mar	80	231	76%	361	369	622	60	305	61
HARTS PASS	WA09	1980	04-Apr	244	884	82%*	1219	1288	1725	510	1084*	66

HARTS PASS	WA09P	1980	01-Apr	215	787	79%*	1057	1257	1770	429	991*	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												

## PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FORT ST. JOHN A	4A25	690	28-Mar	61	146	143%	140	226	226	0	102	35
PACIFIC LAKE	1A11	770	26-Mar	234	856	136%	794	868	879	290	628	46
BULLHEAD MOUNTAIN	4A28	790			Not Sampled			224B	224B	0T	95	21
WARE (LOWER)	4A04	980	28-Mar	102	272	145%		240	316	112B	188	45
PHILIP LAKE	4A13	980	27-Mar	103	288	100%	380	449	449	176	287	46
AIKEN LAKE	4A30P	1040	01-Apr		285	110%	289	368	371	199	258	22
TUTIZZI LAKE	4A06	1070	27-Mar	110	283	111%	320	351	406	166	255	46
TSAYDAYCHI LAKE	4A12	1160	27-Mar	126	359	91%	559	639	639	234	394	46
KAZA LAKE	1A12	1190	27-Mar	137	418	124%	465	414	465	226	338	44
PULPIT LAKE	4A09	1310	28-Mar	186	618	154%	506	590	590	297	402	46
PULPIT LAKE	4A09P	1310	01-Apr		607	148%	509	619	619	347	411	18
FREDRICKSON LAKE	4A10	1310	27-Mar	104	275	112%	304	313	351	163B	245	46
PINE PASS	4A02P	1400	01-Apr		1042	95%	1298	1551	1551	844	1101	17
TRYGVE LAKE	4A11	1400	27-Mar	146	454	126%	454	511	511	257	359	46
SIKANNI LAKE	4C01	1400	28-Mar	122	362	135%	325	360A	380	166	268	46
PINE PASS	4A02P	1400	01-Apr		1042	95%	1298	1551	1551	844	1101	17
MORFEE MOUNTAIN	4A16	1450	26-Mar	218	806	94%	1026	1043	1158	555	854	41
LADY LAURIER LAKE	4A07	1460	27-Mar	179	578	115%	612	854	854	342	503	45
MOUNT SHEBA	4A18	1490	26-Mar	262	952	115%	1041	1294	1294	495	825	40
GERMANSEN (UPPER)	4A05	1500	27-Mar	124	343	97%	487	491	523	200	352	47
MOUNT STEARNS	4A21	1500	28-Mar	73	164	111%	146	223	239	59	148	34
JOHANSON LAKE	4B02	1540	27-Mar	118	344	118%	345	394	417	173	291	46
MONKMAN CREEK	4A20	1550	26-Mar	200	640	108%	541	991	1067	313	593	30
WARE (UPPER)	4A03	1570	28-Mar	117	315	124%	290	328	390	157	254	45
KWADACHA RIVER	4A27P	1620	01-Apr		379	113%*	371	394	446	236	335*	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												

## LIARD Drainage Basin

	Elev.	Date of	Apr 2009			Historic, Water Equivalent (mm)					Yrs of
			Snow Depth	Water Equiv.	% of	2007	2006	Max.	Min.	Normal	

Snow Course Name and Number	metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record	
FORT NELSON A	4C05	380	31-Mar	69	168	177%	75	148	198	23	95	43
WATSON LAKE A	YK01	700	26-Mar	107	244	185%*	175	215	229	71	132*	42
FRANCES RIVER	YK02	730	27-Mar	113	292	186%*	200	213	302	76	157*	32
DEASE LAKE	4C03	820	01-Apr	83	177	130%	130A	188A	259	50A	136	44
JADE CITY	4C15	940	29-Mar	123	340	147%*	244	278	322	162	232*	7
SUMMIT LAKE	4C02	1280	30-Mar	71	100	88%	113		240	0	114	39
DEADWOOD RIVER	4C09P	1300	01-Apr		192	129%*	154	195	283	70	149*	15
SIKANNI LAKE	4C01	1400	28-Mar	122	362	135%	325	360A	380	166	268	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

## SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
TERRACE A	4B13A	180	30-Mar	50	188	221%*	216	257	333	0	85*	29
BEAR PASS	4B11A	460			Not Sampled		626Z	1013	1013	408	706	25
NINGUNSAW PASS	4B10	690	30-Mar	199	552	126%	520	730A	730A	231	438	34
GRANDUC MINE	4B12P	790	01-Apr		2214	128%*	1620A	1909	1909	1609	1728*	6
CEDAR-KITEEN	4B18P	885	01-Apr		1073	150%*	711	1129	1129	454	715*	8
MCKENDRICK CREEK	4B07	1050	27-Mar	101	276	93%	317	373	427	183	297	41
TACHEK CREEK	4B06	1140	26-Mar	90	252	109%	280	358	362	112	232	41
KAZA LAKE	1A12	1190	27-Mar	137	418	124%	465	414	465	226	338	44
LU LAKE	4B15	1300	30-Mar	112	336	106%	296	504	504	162	318	32
LU LAKE	4B15P	1310	01-Apr		295	110%*	278	488	488	154	267*	10
TSAI CREEK	4B17P	1360	01-Apr		1215	105%*	1241	1831	1831	919	1158*	11
KIDPRICE LAKE	4B01	1370	30-Mar	255	1029	112%	863	1601	1601	622	919	55
TRYGVE LAKE	4A11	1400	27-Mar	146	454	126%	454	511	511	257	359	46
EQUITY MINE	4B14	1420	30-Mar	142	442	109%	382	610A	640	258	405	32
CHAPMAN LAKE	4B04	1460	27-Mar	145	442	93%	466	666	762	315	474	44
HUDSON BAY MTN.	4B03A	1480	01-Apr	157	540	103%	544	755	846	356	524	37
MOUNT CRONIN	4B08	1480	27-Mar	165	532	87%	581	726	1097	433	612	40
SHEDIN CREEK	4B16P	1480	01-Apr		1001	113%*	923	1054	1054	690A	883*	13
JOHANSON LAKE	4B02	1540	27-Mar	118	344	118%	345	394	417	173	291	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

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SPEEL RIVER	AK03	80	01-Apr	335	1219	161%*	1031	533	1402	300	758*	40
TELEGRAPH CREEK	4D01	580	29-Mar	101	278	178%	82	248	343	37	156	34
NINGUNSAW PASS	4B10	690	30-Mar	199	552	126%	520	730A	730A	231	438	34
DEASE LAKE	4C03	820	01-Apr	83	177	130%	130A	188A	259	50A	136	44
ISKUT	4D02	1000	31-Mar	67	172	161%	89	180A	180A	0	107	34
KINASKAN LAKE	4D11P	1020	01-Apr		587	150%*	285	634	634	256	391*	18
TUMEKA CREEK	4D10P	1220	01-Apr		704	120%*			869	387	588*	16
WADE LAKE	4D14P	1370	01-Apr		461	132%*	475	315	527	232	348*	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												

## YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ATLIN LAKE	4E02A	730	29-Mar	71	155	124%*	105	267	267	50	125*	25
LOG CABIN	4E01	880	26-Mar	155	536	144%	390	560	596	213	372	49
PINE LK AIRSTRIP	YK03	1010	30-Mar	126	298	132%*	286	240	351	122	226*	33
MONTANA MTN.	YK05	1020	26-Mar	86	176	126%*	150	228	228	84	140*	32
TAGISH	YK04	1080	30-Mar	89	203	145%*	177	242	242	73	140*	32
A - SAMPLING PROBLEMS WERE ENCOUNTERED												
B - EARLY OR LATE SAMPLING												
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED												
E - ESTIMATED BASED ON AREAL AVERAGE												
* - PERIOD OF RECORD AVERAGE												

River Forecast Centre  
Ministry of Environment

Basin Snow  
Water Index

April 1, 2009

**Basin Snow Water Index**

Basin Snow Water Index

Percent of Long Term Average

Insufficient Data

1 - 49

50 - 65

66 - 75

76 - 85

86 - 95

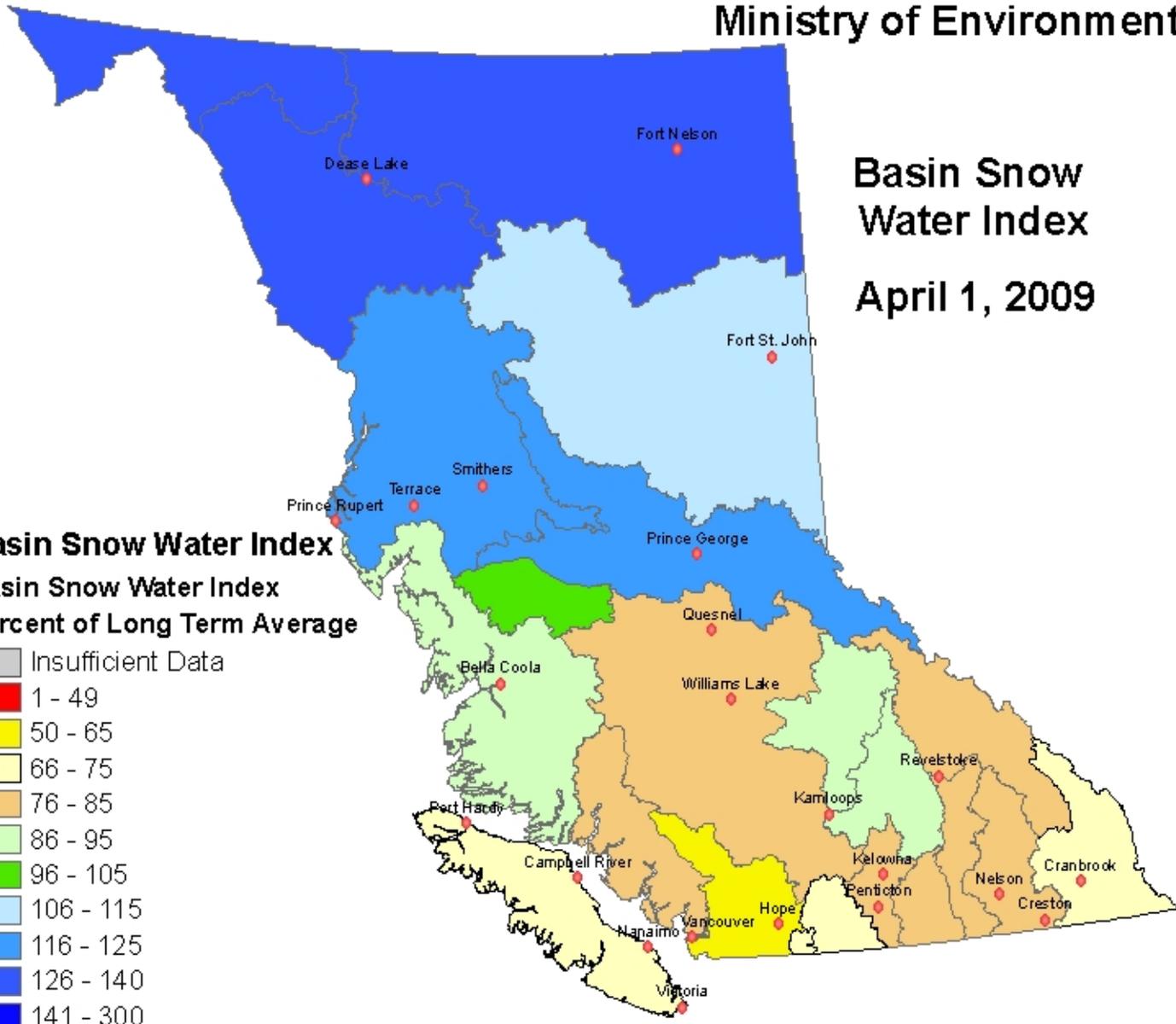
96 - 105

106 - 115

116 - 125

126 - 140

141 - 300



## Contents

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

## Basin Data and Graphs

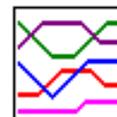
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Fraser](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [Groundwater](#)
- [2009 Survey schedule](#)
- [2009 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

May 1, 2009

**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 1 snow survey is now complete. Data from 145 snow courses and 57 snow pillows around the province, with 20 out-of-province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports.

### Snowpack

The general pattern of snow conditions across British Columbia has not varied significantly over the past couple of months. As of May 1st, snowpacks vary from below normal across the South Coast and South Interior (including the Okanagan, Similkameen, Kettle, Nicola, Kootenay), to near normal in the central interior (North Thompson, Nechako), to above normal in the north (Upper Fraser, Peace, Skeena) and to well above normal in the far north (Liard, Stikine). Basin snow water indices across B.C. at May 1 vary from a low of 60% of normal in the Vancouver Island, to a high of 150% of normal in the Stikine and Liard. Snow conditions improved in some portions of south and central British Columbia during April, with many areas receiving heavier than normal snowfall during the month. Although still below normal, the Similkameen improved to 78% of normal (from 67%), and the Kootenay improved to 84% of normal (from 80%).

### Weather

Weather during April was variable. Average temperatures were slightly cooler than normal, resulting in subdued snow melt. A warm period of a few days in mid-April melted quite a bit of the low elevation snow in the Cariboo, resulting in a

brief period of high water levels on some small creeks. Temperatures over the last week of April (and the first week of May) were cooler than normal.

Precipitation was variable across the province, with a couple of frontal systems affecting different areas. The north-west (Terrace, Smithers) was wetter than normal; much of the central interior received near normal precipitation; the Okanagan and South Thompson basins were drier than normal.

### **Outlook**

By May 1, the peak of the winter's snowpack typically has accumulated and melt has begun. Winter is over, and the spring has arrived. For the portions of the province currently experiencing below normal snow conditions (Okanagan, Kettle, Similkameen, Nicola and Kootenay basins, as well as Vancouver Island and the South Coast), the current snow conditions suggest the likelihood for below normal streamflow and water-supply in those areas during the summer. For Okanagan Lake, the River Forecast Centre forecasts a May-July volume runoff of 74% of the long-term average. The low snowpack and smaller than normal snowmelt runoff may be reflected in such things as lower than normal lake and reservoir levels, lower than normal recharge of groundwater aquifers, and lower than normal river levels during summer.

The above normal snowpacks in portions of northern B.C., such as the Skeena/Nass, Stikine, Liard and Upper Fraser are likely to result in higher than normal stream flows during the freshet snowmelt period in late May and June. There is potential for higher than normal peak flows on some northern rivers, including the Upper Fraser River (McBride, Prince George, Quesnel); the Skeena River (Terrace); the Nass River. The very heavy snowpacks in the Liard and Stikine basins in particular results in a high probability for flooding on some rivers and streams.

If spring weather is near normal, the current snow conditions suggest a lower than normal peak flow for the Fraser River through the lower mainland (in late May or early June), with a peak flow of the Fraser River at Hope of 8,000-9,000 cubic metres per second (m<sup>3</sup>/s). As a comparison, the peak 2007 peak flow at Hope was 11,000 m<sup>3</sup>/s, and the 2008 peak flow was 10,500 m<sup>3</sup>/s. The River Forecast Centre's Fraser Basin Snow Index (which is comprised of all the major water-producing areas of the watershed) is at 94% of normal. As a reference, at May 2008 it was 104%, and May 2007 it was 133%.

The North and South Thompson rivers and the Thompson River at Kamloops are most likely to experience slightly below normal peak discharge and water levels in late May or early June.

Snow conditions at the end of the winter comprise only part of the peak flow and water supply forecast puzzle. Spring weather has a large influence. Weather during the rest of May and early June that is wetter or drier than normal, or that is warmer or colder than normal, can have a significant effect on freshet river flows.

## Upper Fraser & Nechako Basins

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

#### May 1

The Upper Fraser snow index is 120% of normal, a slight increase over the previous month. The increase results from snowfall during April, as well as lower than normal melt at a number of snow courses due to cool weather. Most snow courses across a range of elevations are above or well above normal. The low elevation Burns Lake (1A16) and Pacific Lake (1A11) snow courses are 433% and 142% of normal, respectively. Hedrick Lake (1A14) and Revolution Creek (1A17P) are 139% and 128%, respectively, indicative of the heavy snowpack in the McGregor River portion of the Upper Fraser. The Yellowhead snow pillow (1A01P) in the furthest upper reaches of the Upper Fraser basin is anomalously low at 77% of normal.

The Nechako snow water index is 108% of normal, increased slightly from Apr 1st. The Mount Pondosy (1B08P), Tahtsa Lake (1B02P) and Mount Wells (1B01P) snow pillows are 84%, 95%, and 129% of normal, respectively.

[Top](#)

---

## Middle and Lower Fraser

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

#### May 1

The Middle Fraser has a May 1st snow water index of 89% of normal, increased from 71% at Mar 1st and 85% at Apr 1st. The Chilcotin and Fraser Plateau areas had well above normal snow at the end of the winter. Some of this low elevation snow melted off during mid-April, but significant snow remains to melt before the freshet season is finished. The Cariboo Mountain area has above normal snow (e.g., Horsefly Mountain (1C13A) = 127%; Yanks Peak (1C41P) = 120%). However, southern portions of the Middle Fraser are well below normal (e.g., Green Mountain (1C12P) = 53%, Bridge Glacier Lower (1C39) = 39%, Mission Ridge (1C18P) = 85%).

The Lower Fraser snow water index for Apr 1st is well below normal, at only 63%, almost unchanged from Apr 1st. Dickson Lake (1D16) and Stave Lake (1D08) on the north side of the Lower Fraser valley are 95% and 68% of normal, respectively. In the Lillooet River basin, the high elevation Tenquille Lake (1D06P) is only 64%. The Chilliwack River (1D17P) and Wahleach (1D09P) snow pillows, located south of the Fraser River, are 96% and 77%, respectively.

[Top](#)

---

## Thompson Basin

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

#### May 1

The North Thompson snow water index is 92% of normal, decreased from 95% at Apr 1st, while the South Thompson index is 84%.

In the North Thompson basin, the Adams River (1E07) snow course is 80% of normal, and the Azure River (1E08P) and Kostal Lake (1E01P) snow pillows are 86% and 98%, respectively.

In the South Thompson basin, Enderby (1F04) is 79% of normal. The Park Mountain (1F03P) snow pillow is 91%. The Celistra Mountain (1F06P) snow pillow located north of Shuswap Lake is estimated to be near 83% of normal.

The Nicola basin has well below normal snow conditions. Lac Le Jeune Upper (1C25) is 67% of normal, and Brenda Mine (2F18), adjacent to the east edge of the Nicola basin, is only 64%. Brookmere (1C01) is only 26%.

[Top](#)

---

## Columbia Basin

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

#### May 1

The Columbia basin snow index is 80% of normal, a slight increase from 78% at Apr 1st. For the Upper Columbia, most snow courses are in the 60-90% of normal range, with a high of 104% for Downie Slide-Lower (2A27) and a low of 43% for Beaverfoot (2A11). For the Lower Columbia, measurements range from a low of 64% for Record Mountain (2B09) to a high of 104% for Barnes Creek (2B06P).

[Top](#)

---

## Kootenay Basin

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

#### May 1

The overall Kootenay snow water index is 84% of normal, increased from 71% at Mar 1st and 80% at Apr 1st. Generally, the East Kootenay has better snow conditions than the West Kootenay, but conditions are variable in both areas. For the East Kootenay, values for individual snow survey sites range from a low of 37% at Sinclair Pass (2C01) to a high of 134% at the Moyie Mountain snow pillow (2C10P). For the West Kootenay values range from a low of 60% at Nelson

(2D04) to a high of 91% at Farron (2B02A). Gray Creek (2D05), located east of Kootenay Lake, and with 60 years of measurement, is 87% of normal.

[• Top](#)

---

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

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

#### **May 1**

The overall May 1st snow water index of 82% for the Okanagan-Kettle is well below normal, but has increased from 72% at Mar 1st and 80% at Apr 1st. For the Okanagan basin, snow conditions along the west and south sides of the valley are notably well below normal. Mount Kobau (2F12) in the far south Okanagan is only 69% of normal for the date. The Summerland Reservoir (2F02) and Isintok Lake (2F11) snow courses are 97% and 80% of normal, respectively. The Mission Creek (2F05P) snow pillow east of Kelowna is 97% of normal. This is a significant improvement over the past two months. Silver Star (2F10) north of Vernon is 85%. In the Kettle River drainage, the Grano Creek (2E07P) snow pillow is 74% and Big White Mountain (2E03) is 77%.

Snow conditions in the Similkameen Basin are poor at May 1st, with a basin index of 78% of normal, a notable improvement from only 67% at Apr 1st. Missezula Mountain (2G05) and Hamilton Hill (2G06) are 68% and 69% of normal, respectively. Isintock Lake (2F11), adjacent to the eastern Similkameen, is 80%. The Blackwall Peak snow pillow (2G03P) is 78%.

[• Top](#)

---

## **Vancouver Island & Coastal Regions**

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

#### **May 1**

Mid and high elevation snow packs on the Vancouver Island and Coastal regions are still below normal as of May 1st. The Vancouver Island snow water index is only 60% of normal, while the South Coast index is 77% of normal. On Vancouver Island, the Jump Creek (3B23P) and Wolf River (3B17P) snow pillows are 82% and 58% of normal, respectively, at May 1st. The Forbidden Plateau (3B01) snow course, with 52 years of record, is only 55% of normal. On the South Coast, the Grouse Mountain (3A01) and Dog Mountain (3A10) snow courses in the Metro Vancouver North Shore are 108% and 99%, respectively. Callaghan Creek (3A20) in the Whistler area is 65%..

[• Top](#)

---

**North East Region****[Snow Survey Data Measurements](#)****May 1**

The snow water index for the Peace River basin has increased over the past month, to 111% of normal at May 1st. Most snow courses are above or well above normal, with variability across the basin. Individual snow courses or pillows range from a low of 99% at Pine Pass (4A02P) to a high of 180% at Ware-Lower (4A04). Although there is limited data, low elevation snow in the Peace River basin appears to be well above normal for May 1st.

Precipitation in the Liard River basin has been well above normal for much of the winter. As a result, the Liard basin has well above normal snowpacks. For the Liard basin, snow water equivalencies range between 300% at Dease lake (4C03) and 155% at Sikanni Lake (4C01), with a basin average of 150+%.

[Top](#)

---

**North West Region****[Snow Survey Data Measurements](#)****May 1**

The Skeena/Nass basins have a snow water index of 126% of normal for May 1st, increased from 116% at Apr 1st. Much of this increase is a result of a delay in the spring melt, following cool weather in April, rather than significant new snowfall. For the two snow courses with the longest periods of record, Hudson Bay Mountain (4B03A), located near Smithers, is 112%, and Johanson Lake (4B02), located in the north-east corner of the basin, is 123%. Granduc Mine (4B12P) located near the west side of the Nass basin is 132%. The Lu Lake (4B15P) and Tsai Creek (4B17P) snow pillows are 153% and 104% of normal, respectively (the high value for Tsai Creek reflects a delay in spring melt). Snow conditions in the Bulkley River portion of the Skeena basin are near normal (the 142% of normal for Tachek Creek (4B06) reflects a delay in the onset of melt).

Snow conditions in the Stikine basin are well above normal, at 149%. The Kinaskan Lake (4D11P) and Wade Lake (4D14P) snow pillows are 173% and 134% of normal, respectively.

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
PACIFIC LAKE	1A11	770	27-Apr	173	755	142%	719	837	950	93	530	44
BURNS LAKE	1A16	800	27-Apr	17	52	433%	92	140	148	0	12	32
PHILIP LAKE	4A13	980	28-Apr	71	279	139%	253	400	406	0	201	45
HEDRICK LAKE	1A14	1100	27-Apr	198	901	139%	841	873	1090A	263	648	42
HEDRICK LAKE	1A14P	1100	01-May		1091	136%*	1005	1133	1133	585	801*	9
BIRD CREEK	1A23	1180	29-Apr	43	146	356%*	138	172	184	0	41*	19
KAZA LAKE	1A12	1190	28-Apr	121	422	128%	384	454	470	201	330	43
LU LAKE	4B15	1300	29-Apr	113	378	145%*	240	528	528	144	261*	29
LU LAKE	4B15P	1310	01-May		356	153%*	319	514	514	79	233*	10
EQUITY MINE	4B14	1420	29-Apr	143	462	121%	400	690	690	212	383	31
MOUNT SHEBA	4A18	1490	27-Apr	242	1030	118%	1058	1371	1371	503	876	40
BARKERVILLE	1A03P	1520	01-May		390	111%	349	424	604	165	350	32
MC BRIDE (UPPER)	1A02	1580	25-Apr	137	495	114%	443	678	790	241	433	41
KNUDSEN LAKE	1A15	1580	27-Apr	263	1167	134%	976	1249	1346A	501	874	40
MCBRIDE (UPPER)	1A02P	1620	01-May		548	92%*	443	750	750	443	597*	2
REVOLUTION CREEK	1A17P	1690	01-May		1008	128%	938	1220	1220	486	789	23
LONGWORTH (UPPER)	1A05	1740	27-Apr	259	1118	136%	1102	994	1476A	391	824	56
DOME MOUNTAIN	1A19	1820	25-Apr	249	992	118%	868	1016	1138	452	844	36
DOME MOUNTAIN	1A19P	1820	01-May		908	107%*	806	1163	1163	570	846*	3
MARMOT JASPER	AL12	1830	28-Apr	68	196	87%*	193	366	401	0	226*	37
YELLOWHEAD	1A01P	1860	01-May		491	77%	491	799	836	398	641	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												

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
TAHTSA LAKE	1B02	1300	29-Apr	272	1171	93%	1194	2073	2073	701	1258	57
TAHTSA LAKE	1B02P	1300	01-May		1253	95%	1317	2353	2353	826	1320	16
KIDPRICE LAKE	4B01	1370	30-Apr	252	1105	118%	899	1591	1591	551	935	57
MOUNT PONDOSY	1B08P	1400	01-May		680	84%	661	1219	1277	399	813	15
MOUNT WELLS	1B01	1490	30-Apr	163	656	127%	475	790	958	201	515	54
MOUNT WELLS	1B01P	1490	01-May		774	129%	567	920	920	308	598	17
NUTLI LAKE	1B07	1490	29-Apr	143	506	99%*	501	870	870	252	509*	18
MOUNT SWANNELL	1B06	1620	29-Apr	109	348	120%*	331	499	499	109	291*	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

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BROOKMERE	1C01	980	30-Apr	11	27	26%	115	60	419	0	102	62
GRANITE MOUNTAIN	1C33A	1150	28-Apr	39	144	533%	213	65	213	0	27	16
BRIDGE GLACIER (LOWER)	1C39	1400	29-Apr	69	244	39%*	556	928	1018	352	623*	13
PAVILION	1C06	1230	27-Apr	0	0			0	0	0	0	13
DEADMAN RIVER	1C32	1430	30-Apr	19	60	171%	100	0	121	0	35	25
BRALORNE	1C14	1450	29-Apr	0	0	0%	0	147	255	0	76	45
SHOVELNOSE MOUNTAIN	1C29	1450	03-May	16	39	56%		27A	302	0	70	28
BOSS MOUNTAIN MINE	1C20P	1460	01-May		548	92%	768	694	829	386	595	15
LAC LE JEUNE (UPPER)	1C25	1460	01-May	6	22	67%	81	24	136	0	33	36
BRENDA MINE	2F18	1460	06-May	42	150	64%	270	0Z	526	0Z	236	40
BRENDA MINE	2F18P	1460	01-May		179	105%	292	157	292	0	171	16
HIGHLAND VALLEY	1C09A	1510	04-May	8	29	100%	30	0	142	0	29	43
BARKERVILLE	1A03P	1520	01-May		390	111%	349	424	604	165	350	32
HORSEFLY MOUNTAIN	1C13A	1550	26-Apr	132	536	127%	520	516	676	136	422	38
GNAWED MOUNTAIN	1C19	1580	30-Apr	23	71	91%	86	28	241	0	78	41
MOUNT TIMOTHY	1C17	1660	26-Apr	92	310	107%	337	328	536	118	290	46
YANKS PEAK EAST	1C41P	1670	01-May		1021	120%	975	1062	1062	536	849	12
PENFOLD CREEK	1C23	1680	25-Apr	250	1082	100%	1136	1362	1420	710	1081	36
GREEN MOUNTAIN	1C12P	1780	01-May		500	53%	856	1372	1372	579	950	15
MCGILLIVRAY PASS	1C05	1800	29-Apr	102	360	60%	524	829	1118	270	603	56
MISSION RIDGE	1C18P	1850	01-May		459	85%	496	904	963	204	541	22
DOWNTON LAKE (UPPER)	1C38	1890	29-Apr	124	450	49%	746	1122	1340	604	911	12
TYAUGHTON CREEK (NORTH)	1C40	1950	29-Apr	83	268	69%	428	514	806	278	390	13
BRALORNE (UPPER)	1C37	1980	29-Apr	103	364	51%	684	1092	1092	390	718	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

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	26-Apr	44	165	138%	371	24A	371	0	120	17
BROOKMERE	1C01	980	30-Apr	11	27	26%	115	60	419	0	102	62
DISAPPOINTMENT LAKE	1D18P	1040			Not Sampled			2044P	500P	1408*		7
CALLAGHAN CREEK	3A20	1040	30-Apr	126	524	65%	1002	1114	1568	156	805	31

DICKSON LAKE	1D16	1070	26-Apr	316	1470	95%			3180A	520	1550	16
DOG MOUNTAIN	3A10	1080	27-Apr	267	1225	99%	1785	1655	2760A	122	1238	25
BEAVER PASS	WA12	1120	26-Apr	142	559	75%*	871	843	1600	79	744*	60
KLESILKWA	3D03A	1130	26-Apr	70	293	177%	281		752	0	166	35
SPUZZUM CREEK	1D19P	1180	01-May		1028	61%*	1954	2281	2936P	409	1682*	10
STAVE LAKE	1D08	1210	26-Apr	247	1122	68%	1831	2010A	3120A	574	1653	42
WAHLEACH LAKE	1D09	1400	26-Apr	137	542	78%	917		1417	177	699	41
WAHLEACH LAKE	1D09P	1400	01-May		881	77%	1490	1286	1585	509	1140	17
NAHATLATCH RIVER	1D10	1520	26-Apr	203	913	61%	1468		2720A	608	1487	40
CHILLIWACK RIVER	1D17P	1600	01-May		1448	96%*	1823	2074	2405P	720	1504*	16
GREAT BEAR	1D15P	1660	01-May		832	44%	1894	2209	2487	829	1898	17
TENQUILLE LAKE	1D06P	1680	01-May		686	64%*	1061	1695	1695	653	1065*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670	03-May	35	166	461%	63	170A	265	0Z	36	26
COOK CREEK	1E14P	1280	01-May		461	124%*	604	566	604	120	372*	9
BOSS MOUNTAIN MINE	1C20P	1460	01-May		548	92%	768	694	829	386	595	15
MOUNT COOK	1E02P	1550	01-May		1110	86%*	1568	1654	1665	924	1294*	8
AZURE RIVER	1E08P	1620	01-May		1106	86%	1372	1602	1620	773	1280	12
ADAMS RIVER	1E07	1720	30-Apr	160	610	80%	785	862	1173	396	762	38
KOSTAL LAKE	1E10P	1770	01-May		900	98%	1050	1028	1256	640	921	24
TROPHY MOUNTAIN	1E03A	1860	02-May	153	600	97%	646	630	960	417	619	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

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ANGLEMONT	1F02	1190	29-Apr	60	221	104%	280	248	496	0	213	51
ABERDEEN LAKE	1F01A	1310	06-May	0	0	0%	112		144	0	27	54
MONASHEE PASS	2E01	1370	30-Apr	83	337	116%	362	217	505	67	291	49
BOULEAU LAKE	2F21	1400	26-Apr	49	150	49%	252	180A	488	95	309	37
CELISTA	1F06P	1500	01-May		799	83%*		1185	1185	818	968*	3

ADAMS RIVER	1E07	1720	30-Apr	160	610	80%	785	862	1173	396	762	38
KIRBYVILLE LAKE	2A25	1750	27-Apr	239	1061	84%	1284	1609	1797	770	1269	37
SILVER STAR MOUNTAIN	2F10	1840	02-May	165	650	85%	860	760	1135	371	765	50
PARK MOUNTAIN	1F03P	1890	01-May		889	91%	1043	987	1343	653	976	24
ENDERBY	1F04	1900	29-Apr	239	875	79%	1250A	1126	1430	700	1106	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

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
DOWNIE SLIDE (LOWER)	2A27	980	27-Apr	115	544	104%	718	688	910	0	525	31
GLACIER	2A02	1250	29-Apr	131	627	89%	721	843	1247	320	703	63
SUNWAPTA FALLS	AL11	1400	28-Apr	26	74	52%*	183	215	389	0	142*	38
VERMONT CREEK	2A19	1520	30-Apr	62	235	61%	371	450	1026	140	388	43
AZURE RIVER	1E08P	1620	01-May		1106	86%	1372	1602	1620	773	1280	12
DOWNIE SLIDE (UPPER)	2A29	1630	27-Apr	259	1110	78%	1506	1980	2242	802	1424	30
KICKING HORSE	2A07	1650	28-Apr	71	240	76%	317	357	589	63	316	59
KIRBYVILLE LAKE	2A25	1750	27-Apr	239	1061	84%	1284	1609	1797	770	1269	37
MOUNT REVELSTOKE	2A06P	1830	01-May		1035	79%	1346	1594	1625	874	1304	16
FIDELITY MOUNTAIN	2A17	1870	28-Apr	264	1231	92%	1478	1698	1986	817	1341	46
BEAVERFOOT	2A11	1890	30-Apr	29	90	43%	200	236	495	58	207	48
KEYSTONE CREEK	2A18	1890	27-Apr	169	659	76%	868	1082	1421	514	863	43
GOLDSTREAM	2A16	1920	27-Apr	253	1043	85%	1345	1500	1781	850	1229	46
BUSH RIVER	2A23	1920	27-Apr	154	572	64%	818	1226	1392	492	892	41
NIGEL CREEK	AL10	1920	28-Apr	106	338	80%*	409	726	752	207	425*	39
MOUNT ABBOT	2A14	1980	27-Apr	270	1175	86%	1417	1728	1811	853	1361	47
MOLSON CREEK	2A21P	1980	01-May		983	91%	1298	1677	1677	746	1080	26
SUNBEAM LAKE	2A22	2010	27-Apr	210	828	85%	941	1233	1562	611	976	42
BOW SUMMIT II	AL07A	2080	03-May	78	248	65%*	311	551	597	201	380*	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

## LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	29-Apr	82	364	82%	518	650	773	160	444	63

FARRON	2B02A	1220	28-Apr	51	206	91%	290	80	406	23	226	36
MONASHEE PASS	2E01	1370	30-Apr	83	337	116%	362	217	505	67	291	49
WHATSHAN (UPPER)	2B05	1480	30-Apr	132	577	97%	584	627	983	255	594	48
BARNES CREEK	2B06	1620	30-Apr	126	512	102%	547	411	742	211	500	48
BARNES CREEK	2B06P	1620	01-May		574	104%	638	555	818	360	554	16
ST. LEON CREEK	2B08	1800	30-Apr	243	1036	77%	1236	1584	1974	816	1340	42
ST. LEON CREEK	2B08P	1800	01-May		960	81%	1106	1466	1501	701	1181	15
KOCH CREEK	2B07	1860	30-Apr	147	575	71%	781	781	1201	391	815	48
RECORD MOUNTAIN	2B09	1890	27-Apr	138	500	64%	744	692	1278	157	783	34
EAST CREEK	2D08P	2030	01-May		660	68%	982	1324	1346	480	967	27

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FERNIE EAST	2C07	1250	30-Apr	35	118	62%	364	7	541	0	191	57
SINCLAIR PASS	2C01	1370	25-Apr	9	21	37%	95	36	246	0	57	62
BRUSH CREEK TIMBER	MT03	1520	25-Apr	23	91	69%*	241B	0	417	0	131*	58
SULLIVAN MINE	2C04	1550	28-Apr	83	222	96%	260	226	518	0T	232	63
VERMILION RIVER NO.3	2C20	1570	25-Apr	65	196	84%*	296	190A	422	71	232*	14
WEASEL DIVIDE	MT02	1660	27-Apr	160	676	82%*	950	785	1422	348	827*	69
KIMBERLEY (MIDDLE) VOR	2C12	1680	01-May	77	232	114%	252	98	483	0	204	40
BANFIELD MOUNTAIN	MT05P	1710	01-May		450	97%	510	246	884	127	465	12
BANFIELD MOUNTAIN	MT05	1710	01-May	117	450	87%*			945	142	520*	23
MOUNT JOFFRE	2C16	1750	30-Apr	94	342	88%	335	344	772	180	389	40
MORRISSEY RIDGE	2C09Q	1800	01-May		592	85%	776	806	1345	317	700	23
RED MOUNTAIN	MT04	1830	28-Apr	135	498	114%*	526	363	841	0	435*	71
MOYIE MOUNTAIN	2C10P	1930	01-May		469	134%	537	413	674	18	351	29
HAWKINS LAKE	MT06	1970	01-May	201	693	82%*			1308	333	843*	23
HAWKINS LAKE	MT06P	1970	01-May		693	90%	833	742	1041	353	772	12
ALLISON PASS	AL01	1980	01-May	140	461	101%*	475	432	838	281	455*	22
WILKINSON SUMMIT (BUSH)	AL03	1980	01-May	92	208	125%*	152	148	279	23	167*	20
THUNDER CREEK	2C17	2010	30-Apr	96	296	98%	213	337	556	163	302	38
FLOE LAKE	2C14	2090	30-Apr	171	649	76%	811	989	1369	497	856	40
FLOE LAKE	2C14P	2090	01-May		660	84%	803	953	1035	481	788	14
KIMBERLEY (UPPER) VOR	2C11	2140	30-Apr	137	425	85%	479	472	935	188	498	40
HIGHWOOD SUMMIT (BUSH)	AL02	2210	30-Apr	139	388	85%*	367	493	726	221	454*	44
MOUNT ASSINIBOINE	2C15	2230	30-Apr	147	494	81%	510	745	930	339	607	40
SUNSHINE VILLAGE	AL05	2230	27-Apr	163	503	80%*	605	723	1092	338	629*	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

## WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	29-Apr	82	364	82%	518	650	773	160	444	63
NELSON	2D04	930	30-Apr	23	107	60%	314	0	508	0	177	53
SANDON	2D03	1070			Not Sampled				399	0	83	58
CHAR CREEK	2D06	1310	01-May	104	420	88%	623	390A	838	79	480	42
SMITH CREEK	ID01	1460	01-May	213	879	84%*			1920	119	1043*	56
BUNCHGRASS MEADOW	WA01P	1520	01-May		660	97%	787	439	1224	391	683	12
GRAY CREEK (LOWER)	2D05	1550	30-Apr	110	405	89%	593	437	726	229	456	59
KOCH CREEK	2B07	1860	30-Apr	147	575	71%	781	781	1201	391	815	48
MOUNT TEMPLEMAN	2D09	1860	30-Apr	207	872	76%	1092	1332	1679	731	1144	41
GRAY CREEK (UPPER)	2D10	1910	30-Apr	171	712	87%	932	860	1300	505	821	39
EAST CREEK	2D08P	2030	01-May		660	68%	982	1324	1346	480	967	27
REDFISH CREEK	2D14P	2104	01-May		889	65%*	1519	1647	1706	1035	1359*	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

## KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
FARRON	2B02A	1220	28-Apr	51	206	91%	290	80	406	23	226	36
CARMI	2E02	1250	01-May	12	46	159%	56	0	173	0	29	45
MONASHEE PASS	2E01	1370	30-Apr	83	337	116%	362	217	505	67	291	49
BIG WHITE MOUNTAIN	2E03	1680	01-May	108	380	77%	442	404	762	237	494	43
GRANO CREEK	2E07P	1860	01-May		435	74%*	608	555	806	420	584*	11
BLUEJOINT MOUNTAIN	2E06	2040	30-Apr	144	560	72%		721	1201	287	775	32

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	

Snow Course Name and Number	Elev. metres	Date of Survey	Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	of Record
SUMMERLAND RESERVOIR	2F02	28-Apr	36	125	97%		72	368	0	129	43
MC CULLOCH	2F03	30-Apr	0	0	0%	68	0	188	0	30	63
ABERDEEN LAKE	1F01A	06-May	0	0	0%	112		144	0	27	54
OYAMA LAKE	2F19	30-Apr	28	95	144%	130	15	185	0	66	39
POSTILL LAKE	2F07	29-Apr	49	179	133%	187	73	282	0	135	57
VASEUX CREEK	2F20	01-May	0	0	0%	52	0Z	192	0Z	59	38
BOULEAU LAKE	2F21	26-Apr	49	150	49%	252	180A	488	95	309	37
TROUT CREEK	2F01	30-Apr	24	91	98%	141	36	386	0	93	61
BRENDA MINE	2F18	06-May	42	150	64%	270	0Z	526	0Z	236	40
BRENDA MINE	2F18P	01-May		179	105%	292	157	292	0	171	16
ISLAHT LAKE	2F24	29-Apr	62	171	61%	272	307	433	64	282	27
GREYBACK RESERVOIR	2F08	04-May	43	189	104%	179	95	386	0	181	37
ESPERON CR (UPPER)	2F13	26-Apr	81	254	65%	358	334	805	119	391	39
ISINTOK LAKE	2F11	27-Apr	41	110	80%		40	437	0	137	43
MACDONALD LAKE	2F23	06-May	91	316	69%	462		650	198	459	28
MISSION CREEK	2F05P	01-May		473	97%	563	476	784	140	490	37
GRAYSTOKE LAKE	2F04	28-Apr	88	240	58%		282Z	940	120	412	37
MOUNT KOBAN	2F12	30-Apr	71	224	69%	230	267	597	53	324	43
WHITEROCKS MOUNTAIN	2F09	26-Apr	100	348	65%	524	474	1013	175	534	38
SILVER STAR MOUNTAIN	2F10	02-May	165	650	85%	860	760	1135	371	765	50
A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BROOKMERE	1C01	980	30-Apr	11	27	26%	115	60	419	0	102	62
FREEZEOUT CREEK TRAIL	WA11	1070	25-Apr	46	196	112%*	384	142	658	0	175*	57
LIGHTNING LAKE	3D02	1220	29-Apr	66	232	89%	388	281	599	7	260	37
HAMILTON HILL	2G06	1490	29-Apr	47	186	69%	283	169	838	0	268	49
MISSEZULA MOUNTAIN	2G05	1550	29-Apr	40	104	68%	154	74	323	0	154	44
ISINTOK LAKE	2F11	1680	27-Apr	41	110	80%		40	437	0	137	43
LOST HORSE MOUNTAIN	2G04	1920	01-May	69	227	93%			554	64	245	46
BLACKWALL PEAK	2G03P	1940	01-May		653	78%	893	979	1566	375	832	41
HARTS PASS	WA09	1980	25-Apr	208	861	75%	1173	1272	1847	531	1150*	65
HARTS PASS	WA09P	1980	01-May		864	81%	1123	1270	1669	350	1067	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

## SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE 3A09	880	27-Apr	258	1204	81%	2015A	1910A	3600A	0	1479	55
PALISADE LAKE 3A09P	880			Not Sampled				1268	1080	1174*	2
CALLAGHAN CREEK 3A20	1040	30-Apr	126	524	65%	1002	1114	1568	156	805	31
DOG MOUNTAIN 3A10	1080	27-Apr	267	1225	99%	1785	1655	2760A	122	1238	25
GROUSE MOUNTAIN 3A01	1100	30-Apr	276	1310	108%	1938	1906	2870A	120	1212	59
ORCHID LAKE 3A19	1190	27-Apr	322	1526	75%	2225A	2620A	3845A	900	2030	36
ORCHID LAKE 3A19P	1190			Not Sampled			2350	3862	791	1977*	20
UPPER SQUAMISH RIVER 3A25P	1340			Not Sampled		1688	2202	2760P	990	1635	19
NOSTETUKO RIVER 3A22P	1500			Not Sampled		551	1065	1065	207	551*	17
UPPER MOSELY CREEK 3A24P	1650	01-May		240	93%*	221	533	533	143	257*	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											

## VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER 3B04	270	29-Apr	0	0		0		0	0	0	26
WOLF RIVER (LOWER) 3B19	640	29-Apr	25	100	52%	498	216	1118	0	192	39
UPPER THELWOOD LAKE 3B10	980	29-Apr	228	1040	65%	2056	2200A	3560A	524	1594	48
WOLF RIVER (MIDDLE) 3B18	1070	29-Apr	90	332	57%	890	786	1652	0	584	38
FORBIDDEN PLATEAU 3B01	1130	29-Apr	199	888	55%	1886	2069	3500A	448	1628	52
JUMP CREEK 3B23P	1160	01-May		953	82%	2004	1511	2004	266	1159	12
MOUNT COKELY 3B02A	1250	07-May	150	652	77%	1180	1048	2062	196	850	28
WOLF RIVER (UPPER) 3B17P	1490	01-May		838	58%	1442	1841	1888	439	1445	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											

## NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	

Snow Course Name and Number		metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record
WEDEENE RIVER SOUTH	3C07	300			Not Sampled		510Z	749	749	0	136*	24
TAHTSA LAKE	1B02	1300	29-Apr	272	1171	93%	1194	2073	2073	701	1258	57
TAHTSA LAKE	1B02P	1300	01-May		1253	95%	1317	2353	2353	826	1320	16
BURNT BRIDGE CREEK	3C08P	1330			Not Sampled		926	1470	1470	450	791*	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												

## SKAGIT Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
SUMALLO RIVER WEST	3D01C	790	26-Apr	44	165	138%	371	24A	371	0	120	17
FREEZEOUT CREEK TRAIL	WA11	1070	25-Apr	46	196	112%*	384	142	658	0	175*	57
BEAVER PASS	WA12	1120	26-Apr	142	559	75%*	871	843	1600	79	744*	60
KLESILKWA	3D03A	1130	26-Apr	70	293	177%	281		752	0	166	35
LIGHTNING LAKE	3D02	1220	29-Apr	66	232	89%	388	281	599	7	260	37
HARTS PASS	WA09	1980	25-Apr	208	861	75%	1173	1272	1847	531	1150*	65
HARTS PASS	WA09P	1980	01-May		864	81%	1123	1270	1669	350	1067	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												

## PEACE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE	1A11	770	27-Apr	173	755	142%	719	837	950	93	530	44
BULLHEAD MOUNTAIN	4A28	790			Not Sampled			0	113	0	3	21
WARE (LOWER)	4A04	980	29-Apr	67	225	180%		177	229	0	125	42
PHILIP LAKE	4A13	980	28-Apr	71	279	139%	253	400	406	0	201	45
AIKEN LAKE	4A30P	1040	01-May		270	172%	315	315	315	71	157	22
TUTIZZI LAKE	4A06	1070	28-Apr	70	268	173%	215	287	325	0	155	45
TSAYDAYCHI LAKE	4A12	1160	28-Apr	115	388	102%	479	700	700	168	380	46
KAZA LAKE	1A12	1190	28-Apr	121	422	128%	384	454	470	201	330	43
PULPIT LAKE	4A09	1310	29-Apr	161	564	141%	472	623	623	287	399	44
PULPIT LAKE	4A09P	1310	01-May		616	156%	527	646	646	308	394	18
FREDRICKSON LAKE	4A10	1310	28-Apr	96	306	132%	219	293	358A	128	232	45
PINE PASS	4A02P	1400	01-May		1151	99%	1338	1701	1701	936	1165	17
TRYGVE LAKE	4A11	1400	28-Apr	130	452	122%	390	599	599	272	371	45

SIKANNI LAKE	4C01	1400	29-Apr	113	390	155%	283	404	404	115	252	45
PINE PASS	4A02P	1400	01-May		1151	99%	1338	1701	1701	936	1165	17
MORFEE MOUNTAIN	4A16	1450	27-Apr	199	861	106%	973	1112	1181A	410	810	38
LADY LAURIER LAKE	4A07	1460	30-Apr	167	586	111%	653	926	926	305	528	46
MOUNT SHEBA	4A18	1490	27-Apr	242	1030	118%	1058	1371	1371	503	876	40
GERMANSEN (UPPER)	4A05	1500	28-Apr	118	372	105%	438	529	597	181	355	47
MOUNT STEARNS	4A21	1500	29-Apr	71	183	128%	165	261	271	0	143	35
JOHANSON LAKE	4B02	1540	28-Apr	114	364	123%	286	433	433	143	295	46
MONKMAN CREEK	4A20	1550	27-Apr	189	707	115%	569	1042	1042	329	614	31
WARE (UPPER)	4A03	1570	29-Apr	107	325	119%	299	339	402	141	273	45
KWADACHA RIVER	4A27P	1620	01-May		394	109%*	405	416	476	259	362*	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

## LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
WATSON LAKE A	YK01	700	28-Apr	66	207	470%*	112	152	152	0	44*	38
FRANCES RIVER	YK02	730	28-Apr	82	261	311%*	170	162	237	0	84*	32
DEASE LAKE	4C03	820	30-Apr	39	120	300%	64	0T	178	0T	40	42
JADE CITY	4C15	940	29-Apr	102	350	185%*	266	252	286	116A	189*	7
SUMMIT LAKE	4C02	1280	28-Apr	59	126	332%	118		200A	0	38	41
DEADWOOD RIVER	4C09P	1300	01-May		203	165%*	182	206	207	27	123*	15
SIKANNI LAKE	4C01	1400	29-Apr	113	390	155%	283	404	404	115	252	45

A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
BEAR PASS	4B11A	460			Not Sampled	618	860	860	256	575	22	
NINGUNSAW PASS	4B10	690	27-Apr	144	498	202%	457	676	676	0	246	33
GRANDUC MINE	4B12P	790	01-May		2275	132%*	1670A	1819	1819	1661	1724*	6
CEDAR-KITEEN	4B18P	885	01-May		1030	163%*	732	1081	1081	259	630*	8
MCKENDRICK CREEK	4B07	1050	28-Apr	87	295	125%	299	366	422	80	236	41
TACHEK CREEK	4B06	1140	30-Apr	74	244	142%	204A	363	363	55	172	39
KAZA LAKE	1A12	1190	28-Apr	121	422	128%	384	454	470	201	330	43

LU LAKE	4B15	1300	29-Apr	113	378	145%*	240	528	528	144	261*	29
LU LAKE	4B15P	1310	01-May		356	153%*	319	514	514	79	233*	10
TSAI CREEK	4B17P	1360	01-May		1355	104%*	1432	2082	2082	975	1300*	11
KIDPRICE LAKE	4B01	1370	30-Apr	252	1105	118%	899	1591	1591	551	935	57
TRYGVE LAKE	4A11	1400	28-Apr	130	452	122%	390	599	599	272	371	45
EQUITY MINE	4B14	1420	29-Apr	143	462	121%	400	690	690	212	383	31
CHAPMAN LAKE	4B04	1460	28-Apr	146	483	100%	483	699	749	308	485	43
HUDSON BAY MTN.	4B03A	1480	29-Apr	157	595	112%	568	795	795	343	532	37
MOUNT CRONIN	4B08	1480	28-Apr	174	562	86%	630	795	1125	422	653	39
SHEDIN CREEK	4B16P	1480	01-May		1069	108%*		1226	1226	728	992*	11
JOHANSON LAKE	4B02	1540	28-Apr	114	364	123%	286	433	433	143	295	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

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
TELEGRAPH CREEK	4D01	580	30-Apr	47	150	536%	0	138	163	0	28	33
NINGUNSAW PASS	4B10	690	27-Apr	144	498	202%	457	676	676	0	246	33
DEASE LAKE	4C03	820	30-Apr	39	120	300%	64	0T	178	0T	40	42
KINASKAN LAKE	4D11P	1020	01-May		602	173%*	316	619	619	216	347*	18
TUMEKA CREEK	4D10P	1220	01-May		735	129%*			838	411	568*	16
WADE LAKE	4D14P	1370	01-May		479	134%*	507	371	546	187	358*	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

## YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2007 mm	2006 mm	Max. mm	Min. mm	Normal mm		
ATLIN LAKE	4E02A	730	30-Apr	21	49	245%*	44	156	156	0	20*	23
LOG CABIN	4E01	880	27-Apr	135	513	146%	376	489	531	127	352	51
PINE LK AIRSTRIP	YK03	1010	30-Apr	101	324	171%*	293	250	327	89	190*	33
MONTANA MTN.	YK05	1020	27-Apr	75	202	179%*	124A	188	191	0	113*	33
TAGISH	YK04	1080	28-Apr	75	191	171%*	154A	156	205	0	112*	33

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

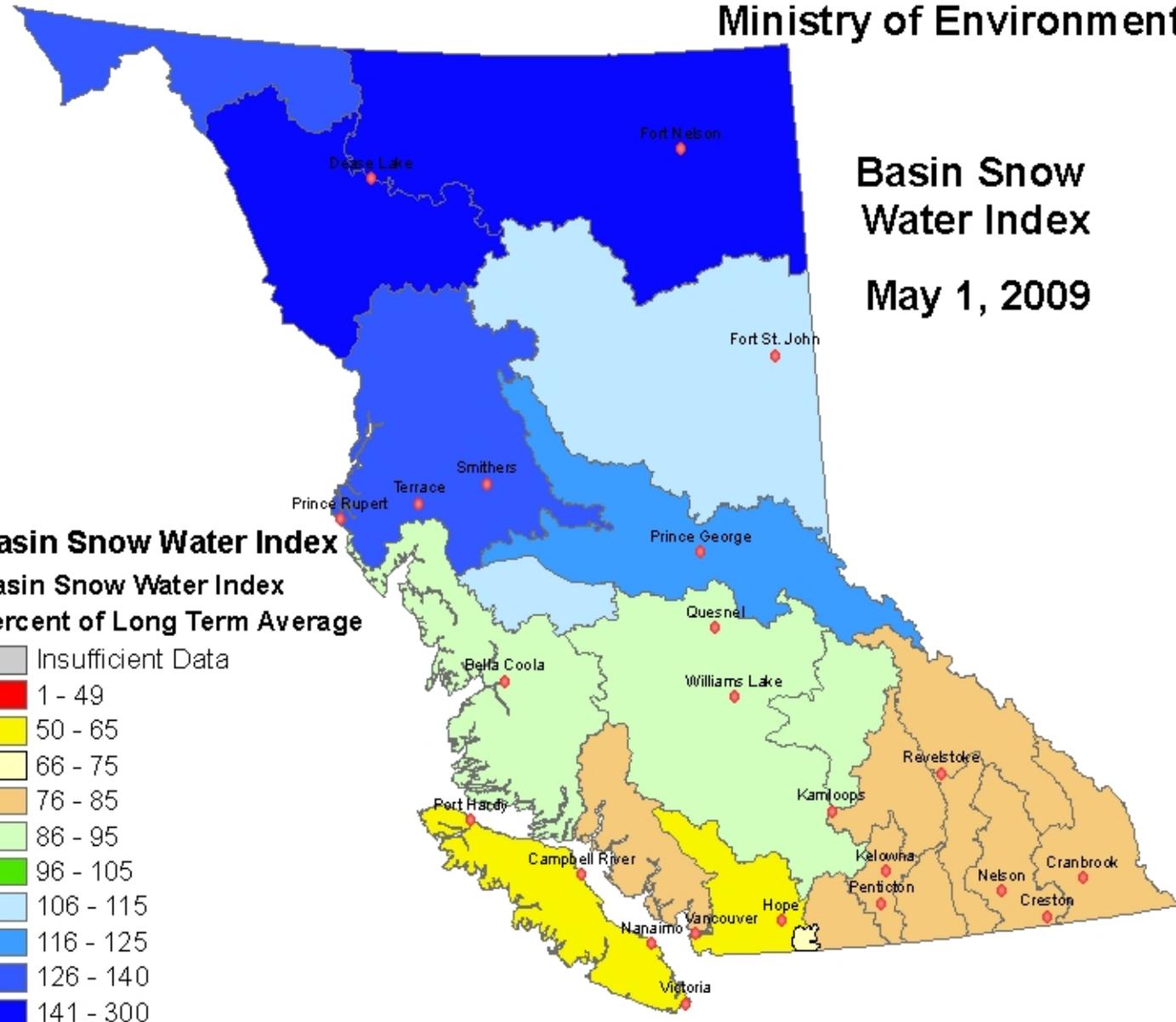
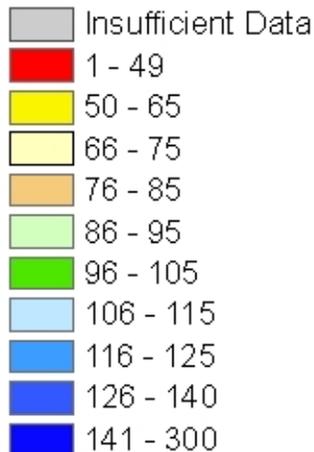
E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

# River Forecast Centre Ministry of Environment

## Basin Snow Water Index May 1, 2009

### Basin Snow Water Index Basin Snow Water Index Percent of Long Term Average



## Contents

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

## Basin Data and Graphs

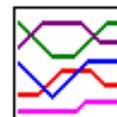
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [2009 Survey schedule](#)
- [2009 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

May 15, 2009

**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 15 snow survey is now complete. Data from 25 snow courses and 55 snow pillows around the province, have been used to form the basis for the following reports.

### Snowpack

Overall, snowpacks in BC persist in the pattern set early in the winter, with very well above normal snowpacks across northern basins (Liard, Stikine), above normal snowpacks in the Skeena, Nass, Peace and Upper Fraser, near normal snowpacks in the Nechako, Cariboo Mountains, and northern portions of the Thompson basin, and below normal snowpacks throughout all the South Interior, South Coast and Vancouver Island.

Unseasonably cool temperatures in April and early May have resulted in a subdued start to this season's freshet snowmelt. Basin snow indices across the province have increased since May 1st, largely as a result of the delay in significant snowmelt. Some new snow accumulations occurred in some areas (Skeena, Peace, Kootenay, Columbia) as a result of two cold frontal systems that pushed through in May.

The May 15th basin snow indices are as follows (the May 1st indices are shown for comparison):

Basin	May 1st	May 15th
Upper Fraser	120%	126%
Nechako	108%	119%
Middle Fraser	89%	92%
Lower Fraser	63%	68%
North Thompson	92%	101%
South Thompson	84%	97%
Columbia	80%	92%
Kootenay	84%	104%
Okanagan, Kettle	82%	99%
Similkameen	78%	85%
South Coast	77%	80%
Vancouver Island	60%	69%
Peace	111%	117%
Skeena, Nass	126%	136%
Liard, Stikine	150%	190%

### Outlook

The 2009 freshet season is nears its culmination, with peak water levels anticipated over the next 2-4 weeks. The May 15th snow conditions are likely to produce a variety of runoff conditions across the province. For the portions of the province with below normal snow conditions (Okanagan, Kettle, Similkameen, Nicola and Kootenay basins, as well as Vancouver Island and the South Coast), the current snow conditions will result in below normal streamflow and water-supply in those areas during the summer. With near normal weather over the next three weeks, flooding is not anticipated. For Okanagan Lake, the River Forecast Centre forecasts a May-July volume runoff of 74% of the long-term average. For the Nicola River basin, the volume runoff forecast is only 50% of normal. The low snowpack and smaller than normal snowmelt runoff may be reflected in such things as lower than normal lake and reservoir levels, lower than normal recharge of groundwater aquifers, and lower than normal river levels during summer.

The above normal snowpacks and delayed melt in northern B.C., such as in the Skeena/Nass, Stikine, Liard and Upper Fraser basins, are likely to result in higher than normal runoff and peak flow on some northern rivers, including the Upper Fraser River (McBride, Prince George, Quesnel); the Skeena River (Terrace); the Nass River; and others. The very heavy snowpacks in the Liard and Stikine basins in particular results in a high probability for flooding on some rivers and streams, including the Liard River (Lower Piost FN).

The delayed melt in the Fraser River basin results in potential for higher flows than anticipated earlier this spring. However, for the Fraser River from Hope to the ocean, given the well below normal snow conditions in the Mid Fraser and Lower Fraser, the streamflow outlook is neutral, with a normal peak water level near long-term average.

The North and South Thompson rivers and the Thompson River at Kamloops are most likely to experience slightly below normal peak discharge and water levels in early June.

Snow conditions at the end of the winter comprise only part of the peak flow and water supply forecast puzzle. Spring weather has a large influence. Weather during the last half of May and early June that is wetter or drier than normal, or that is warmer or colder than normal, can have a significant effect on freshet river flows. The current weather forecast from Environment Canada is favourable. Temperatures over the next 10 days are forecast to be near seasonal normals, with potential for light and/or scattered rain in some basins.

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
HEDRICK LAKE	1A14P	1100	15-May		964	129%*	938	1050	1050	435	746*	9
LU LAKE	4B15P	1310	15-May		282	207%*	173	445	445	0	136*	10
BARKERVILLE	1A03P	1520	15-May		281	120%	281	341	503	0	234	31
MC BRIDE (UPPER)	1A02	1580	14-May	110	433	118%	358	640	752	24	367	41
MCBRIDE (UPPER)	1A02P	1620	15-May		476	90%*	394	660	660	394	527*	2
REVOLUTION CREEK	1A17P	1690	15-May		967	136%	930	1249	1249	228	713	23
DOME MOUNTAIN	1A19	1820	14-May	219	958	118%	890	1075	1168	385	813	36
DOME MOUNTAIN	1A19P	1820	15-May		919	104%*	825	1208	1208	611	881*	3
YELLOWHEAD	1A01P	1860	15-May		465	80%	480	732	825	139	579	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												

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
TAHTSA LAKE	1B02P	1300	15-May		1064	85%	1234	2347	2347	671	1255	16
MOUNT PONDOSY	1B08P	1400	15-May		524	81%	567	1179	1198	207	645	16
MOUNT WELLS	1B01P	1490	15-May		732	144%	463	951	951	171	510	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												

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
BOSS MOUNTAIN MINE	1C20P	1460	15-May		469	101%	615	547	761	184	464	15
BRENDA MINE	2F18P	1460	15-May		16		146	0	146	0	0	16
BARKERVILLE	1A03P	1520	15-May		281	120%	281	341	503	0	234	31
MOUNT TIMOTHY	1C17	1660	15-May	61	240	119%	332	243	466	0	201	40
YANKS PEAK EAST	1C41P	1670	15-May		1065	133%	1001	1017	1125	398	800	12
PENFOLD CREEK	1C23	1680	14-May	229	1067	105%	1092	1303	1400	585	1019	39
GREEN MOUNTAIN	1C12P	1780	15-May		485	57%	805	1356	1366	424	845	15
MISSION RIDGE	1C18P	1850	15-May		386	101%	438	752	878	0	382	22

A - SAMPLING PROBLEMS WERE ENCOUNTERED  
 B - EARLY OR LATE SAMPLING  
 C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED  
 E - ESTIMATED BASED ON AREAL AVERAGE  
 \* - PERIOD OF RECORD AVERAGE

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DISAPPOINTMENT LAKE	1D18P	1040		Not Sampled				1930P	730P	1317*	4	
DOG MOUNTAIN	3A10	1080	15-May	231	1073	98%	1655	1499	2920Z	0	1100	23
SPUZZUM CREEK	1D19P	1180	15-May		1001	70%*	1913	2093	2093	49	1422*	9
WAHLEACH LAKE	1D09P	1400	15-May		978	102%	1400A	1170	1624	335	960	17
CHILLIWACK RIVER	1D17P	1600	15-May		1601	122%*	1714	1947	2186	405	1312*	14
GREAT BEAR	1D15P	1660	15-May		Not Sampled		1815	2145	2436	660	1823	17
TENQUILLE LAKE	1D06P	1680	15-May		653	66%*	1009	1699	1699	469	990*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
COOK CREEK	1E14P	1280	15-May		281	151%*	356	263	356	0	186*	9
BOSS MOUNTAIN MINE	1C20P	1460	15-May		469	101%	615	547	761	184	464	15
AZURE RIVER	1E08P	1620	15-May		1046	85%	1305	1591	1665	743	1230	12
ADAMS RIVER	1E07	1720	13-May	143	586	82%	782	796	1158	280	712	37
KOSTAL LAKE	1E10P	1770	15-May		908	102%	1035	964	1357	568	887	24
TROPHY MOUNTAIN	1E03A	1860	13-May	150	592	97%	698	638	1114	301	608	27

A - SAMPLING PROBLEMS WERE ENCOUNTERED  
 B - EARLY OR LATE SAMPLING  
 C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED  
 E - ESTIMATED BASED ON AREAL AVERAGE  
 \* - PERIOD OF RECORD AVERAGE

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	

CELISTA	1F06P	1500	15-May		765	93%*		1155	1155	488	822*	2
ADAMS RIVER	1E07	1720	13-May	143	586	82%	782	796	1158	280	712	37
SILVER STAR MOUNTAIN	2F10	1840	16-May	171	722	109%	772	623	1054	100	661	50
PARK MOUNTAIN	1F03P	1890	15-May		968	104%	1043	975	1321	474	927	24
ENDERBY	1F04	1900	14-May	247	1002	92%	1323	1102	1499	662	1089	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

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
AZURE RIVER	1E08P	1620	15-May		1046	85%	1305	1591	1665	743	1230	12
MOUNT REVELSTOKE	2A06P	1830	15-May		1088	84%	1294	1504	1777	700	1297	16
MOLSON CREEK	2A21P	1980	15-May		1020	98%	1335	1707	1707	602	1040	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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FARRON	2B02A	1220	13-May	18	78	71%	117	0	222	0	110	29
BARNES CREEK	2B06P	1620	15-May		660	151%	675	330	761	94	438	16
ST. LEON CREEK	2B08P	1800	15-May		994	92%	1084	1380	1568	639	1080	15
RECORD MOUNTAIN	2B09	1890	13-May	139	560	83%	618	538	1367	83	676	34
EAST CREEK	2D08P	2030	15-May		731	79%	1016	1215	1387	461	925	27

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	

FERNIE EAST	2C07	1250	12-May	0	0	0%	160A	0	290	0	46	47
SULLIVAN MINE	2C04	1550	16-May	51	186	177%	162A	0T	457	0T	105	57
BANFIELD MOUNTAIN	MT05P	1710	15-May		396	130%	417	0	569	0	305	11
MORRISSEY RIDGE	2C09Q	1800	15-May		637	138%	731	483	1091	0	460	25
MOYIE MOUNTAIN	2C10P	1930	15-May		428	168%	435	94	552	0	255	28
HAWKINS LAKE	MT06P	1970	15-May		742	105%	798	493	1067	178	706	11
FLOE LAKE	2C14P	2090	15-May		698	91%	821	938	1088	304	765	14

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
CHAR CREEK	2D06	1310	15-May	86	366	131%	511Z	180A	715	0	279	39
BUNCHGRASS MEADOW	WA01P	1520	15-May		640	110%	653	269	1163	150	582	12
EAST CREEK	2D08P	2030	15-May		731	79%	1016	1215	1387	461	925	27
REDFISH CREEK	2D14P	2104	15-May		972	70%*	1523	1609	1748	1024	1380*	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

## KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
FARRON	2B02A	1220	13-May	18	78	71%	117	0	222	0	110	29
BIG WHITE MOUNTAIN	2E03	1680	16-May	104	402	103%	371	304	732	0	390	43
GRANO CREEK	2E07P	1860	15-May		536	102%*	608	427	855	290	526*	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

## OKANAGAN Drainage Basin

	Elev.	Date of	May 15 2009			Historic, Water Equivalent (mm)					Yrs of
			Snow Depth	Water Equiv.	% of	2008	2007	Max.	Min.	Normal	

Snow Course Name and Number	metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record	
SUMMERLAND RESERVOIR	2F02	1280	14-May	0	0	0%	0	0	218	0	32	43
VASEUX CREEK	2F20	1400	15-May	0	0	0%	0	0	80	0	9	36
TROUT CREEK	2F01	1430	15-May	2	11	37%	28	11	307	0	30	56
BRENDA MINE	2F18P	1460	15-May		16		146	0	146	0	0	16
GREYBACK RESERVOIR	2F08	1550	15-May	23	69	69%	137	0Z	323	0Z	100	37
ISINTOK LAKE	2F11	1680	14-May	4	10	13%	87	0	386	0	78	43
MISSION CREEK	2F05P	1780	15-May		533	131%	581	364	829	0	407	37
MOUNT KOBAU	2F12	1810	13-May	65	238	94%	209	212	516	0	254	42
WHITEROCKS MOUNTAIN	2F09	1830	09-May	89	315	79%	485	348	968	0	401	38
SILVER STAR MOUNTAIN	2F10	1840	16-May	171	722	109%	772	623	1054	100	661	50

A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
MISSEZULA MOUNTAIN	2G05	1550	13-May	9	60	111%	106	0	218	0	54	45
ISINTOK LAKE	2F11	1680	14-May	4	10	13%	87	0	386	0	78	43
LOST HORSE MOUNTAIN	2G04	1920	15-May	62	222	116%			577	0	192	42
BLACKWALL PEAK	2G03P	1940	15-May		675	96%	844	848	1481	199	706	41
HARTS PASS	WA09P	1980	15-May		917	96%	1128	1105	1748	345	952	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

## SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DOG MOUNTAIN	3A10	1080	15-May	231	1073	98%	1655	1499	2920Z	0	1100	23
ORCHID LAKE	3A19	1190	15-May	292	1432	75%	2120A	2587	3730A	774	1900	27
ORCHID LAKE	3A19P	1190			Not Sampled		2250	2804	536	1770*	19	
UPPER SQUAMISH RIVER	3A25P	1340	15-May		Not Sampled		1504	1950	1950	709	1515	18
NOSTETUKO RIVER	3A22P	1500			Not Sampled		386	908	908	19	381*	17
UPPER MOSELY CREEK	3A24P	1650	15-May		165	109%*	180	480	480	0	151*	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

## VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
JUMP CREEK 3B23P	1160	15-May		851	87%	1890	1268	1890	0	975	12
WOLF RIVER (UPPER) 3B17P	1490	15-May		881	68%	1405	1676	1726	213	1300	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

## NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE 1B02P	1300	15-May		1064	85%	1234	2347	2347	671	1255	16
BURNT BRIDGE CREEK 3C08P	1330	15-May		Not Sampled		840	1444	1444	206	661*	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

## SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
HARTS PASS WA09P	1980	15-May		917	96%	1128	1105	1748	345	952	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

## PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	

Snow Course Name and Number			Snow Depth cm	Water Equiv. mm	% of Normal	2008	2007	Max.	Min.	Normal	of Record
						mm	mm	mm	mm	mm	
AIKEN LAKE	4A30P	1040	15-May			173	214	214	0	0	22
PULPIT LAKE	4A09P	1310	15-May			418	576	576	49	230	18
PINE PASS	4A02P	1400	15-May			1107	1658	1658	813	1073	17
KWADACHA RIVER	4A27P	1620	15-May			428	446	468	109	343*	22
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

## LIARD Drainage Basin

Snow Course Name and Number			May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
DEADWOOD RIVER	4C09P	1300	15-May			102	138	207	0	57*	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											

## SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
GRANDUC MINE	4B12P	790	15-May			1670	1980	1980	1421	1603*	6
CEDAR-KITEEN	4B18P	885	15-May			550	972	972	116	454*	8
LU LAKE	4B15P	1310	15-May			173	445	445	0	136*	10
TSAI CREEK	4B17P	1360	15-May			1443	2138	2138	810	1271*	11
HUDSON BAY MTN.	4B03A	1480	15-May	130		533	822	822	160	441	36
SHEDIN CREEK	4B16P	1480	15-May			1086	1241	1241	660	964*	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											

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	

KINASKAN LAKE	4D11P	1020	15-May		477	229%*	211	544	544	0	208*	18
TUMEKA CREEK	4D10P	1220	15-May		633	146%*			771	195	435*	16
WADE LAKE	4D14P	1370	15-May		405	142%*	478	360	478	0	286*	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												

## YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
LOG CABIN	4E01	880		Not Sampled		265Z	375	420	0	200	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												

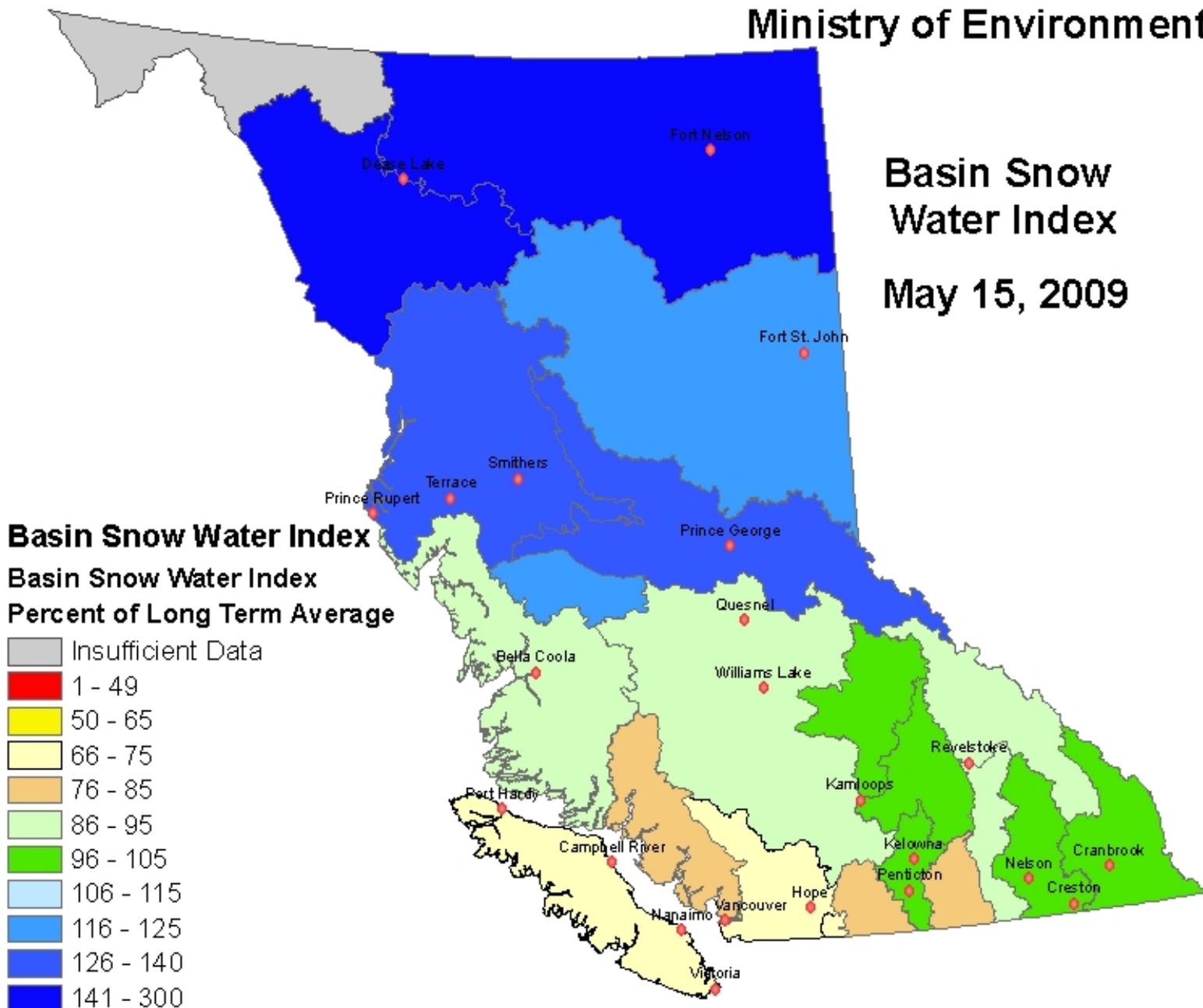
### RIVER FORECAST CENTRE

### Basin Snow Water Index Map for BC

This map shows the percent of average snow water equivalent for each major drainage basin in the province.

River Forecast Centre  
Ministry of Environment

Basin Snow  
Water Index  
May 15, 2009



## Contents

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

## Basin Data and Graphs

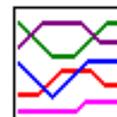
- [Upper Fraser](#)
- [Mid and Lower](#)
- [Thompson](#)
- [Columbia](#)
- [Kootenay](#)
- [Okanagan, Kettle, and Similkameen](#)
- [Coastal](#)
- [North East](#)
- [North West](#)
- [2009 Survey schedule](#)
- [2009 Snow Survey network](#)

## Snowpack and Water Supply Outlook for British Columbia

June 1, 2009

**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 1 snow survey is now complete. Data from 25 snow courses and 58 snow pillows around the province have been used to form the basis for the following reports.

### Snowpack

At the peak of the snow accumulation season near May 1st, snowpacks across BC were variable, ranging from well above normal across northern basins (Liard, Stikine), above normal in the Skeena, Nass, Peace and Upper Fraser, near normal in the Nechako and Cariboo Mountains, and below normal throughout all the South Interior, South Coast and Vancouver Island.

Since then, May weather has been variable. North and central BC experienced cool and damp weather, while the south interior experienced seasonal temperatures but below normal rainfall. For the north and central interior, the cool weather in May resulted in a subdued start to the freshet snowmelt. Snow is melting, but slowly. Snowmelt rates at many snow courses throughout the interior have been well below normal. However, in southern basins (Okanagan, Similkameen, Kettle, Kootenay) significant snowmelt has already occurred.

Overall snow conditions as of June 1st are:

- Well above normal in the Skeena, Nass, Liard, Stikine (140+ %)
- Above normal in the Upper Fraser, Nechako (130+%)

- Below normal in the North Thompson and South Thompson (80-90%)
- Below normal in the Mid and Lower Fraser (70-80%)
- Below normal in the Kootenay, Columbia (70-80%)
- Below normal in the Okanagan, Kettle, Similkameen (70-80%)
- Below normal on Vancouver Island and the South Coast (50-60%)

Significant mid and high elevation snow remains to melt throughout the northern half of the province.

### **Outlook**

The 2009 freshet season is nearing its culmination, with peak water levels on major rivers anticipated over the next 2 weeks. For the portions of the province with below normal snow conditions (Okanagan, Kettle, Similkameen, Nicola and Kootenay basins, as well as Vancouver Island and the South Coast), the current snow conditions results in high likelihood for below normal streamflow and water-supply in those areas during the summer. The low snowpack and smaller than normal snowmelt runoff may be reflected in such things as lower than normal lake and reservoir levels, lower than normal recharge of groundwater aquifers, and lower than normal river levels during summer. Freshet flooding is not anticipated in these basins.

Following the cool May, the weather is warming significantly and notably this week. A high pressure system has built across British Columbia, resulting in forecasts of very warm or hot weather in most regions for the next 4-6 days. Temperatures in the northwest (Skeena, Nass, Stikine) in particular are expected to be hot (28-31 degrees). The Upper Fraser is forecast to experience temperatures in the 25-29 degree range for the next 4 days. This hot weather will result in very rapid snowmelt this week, leading to high water levels by later this week or early next week (June 6-10).

For the northern BC, with above normal snowpacks and delayed melt, the weather this week will result in higher than normal peak water levels. These include the Skeena River (Terrace), Nass River, Liard River, Upper Fraser River (Prince George) and others.

For the Fraser River from Hope to the ocean, given the well below normal snow conditions in the Mid Fraser and Lower Fraser, the streamflow outlook remains neutral, with a peak water level near long-term average. The peak water level on the Fraser River through the Lower Mainland is anticipated late next week (approximately June 10-14).

The North and South Thompson rivers and the Thompson River at Kamloops are most likely to experience slightly below normal peak discharge and water levels. Freshet flooding is not anticipated in the Thompson basin.

## UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
HEDRICK LAKE	1A14P	1100	01-Jun		802	214%*	551	705	1380	0	374*	9
BIRD CREEK	1A23	1180	29-May	0	0		0	0Z	0	0	0*	15
LU LAKE	4B15P	1310	01-Jun		0	0%*	0	173	180	0	38*	10
BARKERVILLE	1A03P	1520	01-Jun		34	52%	0	38	291	0	66	25
MC BRIDE (UPPER)	1A02	1580	25-May	89	370B	181%		370	592	0	204	40
MCBRIDE (UPPER)	1A02P	1620	01-Jun		266	150%*	45	308	308	45	177*	2
REVOLUTION CREEK	1A17P	1690	01-Jun		802	162%	608	974	974	0	495	24
DOME MOUNTAIN	1A19	1820	25-May	198	918B	138%	694	947	1062	0	664	37
DOME MOUNTAIN	1A19P	1820	01-Jun		893	122%*	536	1069	1069	536	729*	3
YELLOWHEAD	1A01P	1860	01-Jun		356	77%	218	593	857	0	464	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

## NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
TAHTSA LAKE	1B02	1300	29-May	202	1039	103%	924	1828Z	1828Z	406	1007	34
TAHTSA LAKE	1B02P	1300	01-Jun		1003	100%	841	2164	2164	277	1001	16
KIDPRICE LAKE	4B01	1370	29-May	198	1032	155%	260	1359A	1359A	0	666	34
MOUNT PONDOSY	1B08P	1400	01-Jun		253	90%		930	951	0	280	15
MOUNT WELLS	1B01	1490	29-May	107	475	190%	58	516Z	529	0	250	32
MOUNT WELLS	1B01P	1490	01-Jun		585	234%	21	722	722	0	250	17
NUTLI LAKE	1B07	1490	29-May	94	389	178%*	97	618Z	618Z	0	219*	18
MOUNT SWANNELL	1B06	1620	29-May	64	263	244%*	0	244Z	350Z	0	108*	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

## MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	

BOSS MOUNTAIN MINE	1C20P	1460	01-Jun		184	105%	229	146	435	0	175	15
BRENDA MINE	2F18P	1460	01-Jun		51		0	0	0	0	0	15
BARKERVILLE	1A03P	1520	01-Jun		34	52%	0	38	291	0	66	25
MOUNT TIMOTHY	1C17	1660	29-May	12	44	85%	0	39	332	0	52	38
YANKS PEAK EAST	1C41P	1670	01-Jun		798	135%	589	623	1016	128	590	11
PENFOLD CREEK	1C23	1680	25-May	203	1040B	123%	869	1146	1354	353	847	38
GREEN MOUNTAIN	1C12P	1780	01-Jun		195	32%	402	1030	1183	140	610	15
MISSION RIDGE	1C18P	1850	01-Jun		0	0%	0	404	573	0	151	21

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

\* - PERIOD OF RECORD AVERAGE

## LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
DISAPPOINTMENT LAKE	1D18P	1040		Not Sampled					1582P	564P	972*	4
CALLAGHAN CREEK	3A20	1040	31-May	15	80	36%	398	646	1228	0	220	25
DOG MOUNTAIN	3A10	1080	02-Jun	124	631	74%	1191	1182	2480Z	0	850	22
SPUZZUM CREEK	1D19P	1180	01-Jun		638	56%*	1616	1722	1823	0	1131*	9
WAHLEACH LAKE	1D09P	1400	01-Jun		869	134%	1241	948	1359	0	650	16
CHILLIWACK RIVER	1D17P	1600	01-Jun		1200	117%*	1301	1602	1969	0	1023*	13
GREAT BEAR	1D15P	1660	01-Jun		915	58%	1579	1766	2539	296	1568	17
TENQUILLE LAKE	1D06P	1680	01-Jun		349	47%*	634	1418	1418	225	739*	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

## NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
COOK CREEK	1E14P	1280	01-Jun		0	0%*	0	0	8	0	1*	9
BOSS MOUNTAIN MINE	1C20P	1460	01-Jun		184	105%	229	146	435	0	175	15
MOUNT COOK	1E02P	1550	01-Jun		1099	106%*	1459	1268	1579	593	1034*	8
AZURE RIVER	1E08P	1620	01-Jun		881	86%	907	1351	1778	473	1030	12
ADAMS RIVER	10000000	1720	28-May	108	510	86%	542	476	1155	0	595	39
KOSTAL LAKE	1E10P	1770	01-Jun		825	118%	855	668	1377	155	700	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

## SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
ANGLEMONT 1F02	1190	29-May	0	0	0%	0		61	0	25	10
CELISTA 1F06P	1500	01-Jun		506	106%*		840	840	116	478*	2
ADAMS RIVER 1E07	1720	28-May	108	510	86%	542	476	1155	0	595	39
SILVER STAR MOUNTAIN 2F10	1840	01-Jun	98	475	101%	502	260	980	0	468	50
PARK MOUNTAIN 1F03P	1890	01-Jun		851	115%	911	660	1269	296	742	23
ENDERBY 1F04	1900	29-May	189	885	92%	1068	709	1422	430	960	45

A - SAMPLING PROBLEMS WERE ENCOUNTERED  
 B - EARLY OR LATE SAMPLING  
 C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED  
 E - ESTIMATED BASED ON AREAL AVERAGE  
 \* - PERIOD OF RECORD AVERAGE

## UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
AZURE RIVER 1E08P	1620	01-Jun		881	86%	907	1351	1778	473	1030	12
MOUNT REVELSTOKE 2A06P	1830	01-Jun		803	70%	1084	1204	2063	240	1146	16
MOLSON CREEK 2A21P	1980	01-Jun		889	110%	1024	1478	1512	98	810	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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
BARNES CREEK 2B06P	1620	01-Jun		338	165%	304	0	529	0	205	16
ST. LEON CREEK 2B08P	1800	01-Jun		795	98%	772	1091	1580	225	815	15
RECORD MOUNTAIN 2B09	1890	27-May	67	238	54%	102	232	1073	0	442	32

EAST CREEK	2D08P	2030	01-Jun	563	73%	761	1162	1256	111	770	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											

## EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
SULLIVAN MINE	2C04	1550	30-May	0	0	0%	0T	0	137	0T	13	26
BANFIELD MOUNTAIN	MT05P	1710	01-Jun		13	18%	46	0	254	0	74	11
MORRISSEY RIDGE	2C09Q	1800	01-Jun		109	78%	244	0	810	0	140	24
MOYIE MOUNTAIN	2C10P	1930	01-Jun		8	13%	0	0	438	0	60	23
HAWKINS LAKE	MT06P	1970	01-Jun		307	62%	356	0	947	0	495	12
FLOE LAKE	2C14P	2090	01-Jun		465	76%	551	746	979	98	610	14
A - SAMPLING PROBLEMS WERE ENCOUNTERED												
B - EARLY OR LATE SAMPLING												
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED												
E - ESTIMATED BASED ON AREAL AVERAGE												
* - PERIOD OF RECORD AVERAGE												

## WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
CHAR CREEK	2D06	1310	01-Jun	6	26	47%	144A	0	327	0	55	34
BUNCHGRASS MEADOW	WA01P	1520	01-Jun		221	174%	229	0	800	0	127	11
GRAY CREEK (LOWER)	2D05	1550	26-May	75	312	149%	294	98	551	0	210	55
GRAY CREEK (UPPER)	2D10	1910	26-May	143	629	118%	705	542	1120	0	535	36
EAST CREEK	2D08P	2030	01-Jun		563	73%	761	1162	1256	111	770	26
REDFISH CREEK	2D14P	2104	01-Jun		867	75%*	1234	1253	1624	760	1153*	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												

## KETTLE Drainage Basin

				Jun 1 2009	Historic, Water Equivalent (mm)	Yrs
--	--	--	--	------------	---------------------------------	-----

Snow Course Name and Number	Elev. metres	Date of Survey	Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	of Record
BIG WHITE MOUNTAIN	2000	01-Jun	31	125	62%	102	24	658	0	202	43
GRANO CREEK	2E07P	01-Jun		263	86%*	326	30	754	0	307*	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

### OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
BRENDA MINE	2F18P	01-Jun		0		0	0	0	0	0	15
GRAYBACK RESERVOIR	2F08	01-Jun	0	0	0%			155	0	4	25
MISSION CREEK	2F05P	01-Jun		300	127%	334	38	641	0	236	37
MOUNT KOBALU	2F12	29-May	13	40	30%	0	0	488	0	132	43
WHITEROCKS MOUNTAIN	2F09	30-May	12	61	31%	93	71	848	0	196	37
SILVER STAR MOUNTAIN	2F10	01-Jun	98	475	101%	502	260	980	0	468	50

A - SAMPLING PROBLEMS WERE 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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
BLACKWALL PEAK	2G03P	01-Jun		345	76%	503	476	1253	0	452	41
HARTS PASS	WA09P	01-Jun		541	88%	632	716	1557	76	615	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

### SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	

Snow Course Name and Number	metres	Survey	cm	mm	Normal	mm	mm	mm	mm	mm	Record	
CALLAGHAN CREEK	3A20	1040	31-May	15	80	36%	398	646	1228	0	220	25
DOG MOUNTAIN	3A10	1080	02-Jun	124	631	74%	1191	1182	2480	0	850	22
ORCHID LAKE	3A19	1190	02-Jun	196	1017	65%	-	2300	3648	174	1560	28
UPPER SQUAMISH RIVER	3A25P	1340	01-Jun	Not Sampled			1178	1729	1729	461	1220	18
NOSTETUKO RIVER	3A22P	1500	01-Jun		60	59%*	0	582	582	0	101*	17
UPPER MOSELY CREEK	3A24P	1650	01-Jun		0	0%*	0	214	214	0	30*	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

### VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
JUMP CREEK	3B23P	1160	01-Jun		315	61%	1234	728	1234	0	520	12
WOLF RIVER (UPPER)	3B17P	1490	01-Jun		527	54%	923	1426	2465	58	980	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

### NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
TAHTSA LAKE	1B02	1300	29-May	202	1039	103%	924	1828Z	1828Z	406	1007	34
TAHTSA LAKE	1B02P	1300	01-Jun		1003	100%	841	2164	2164	277	1001	16
BURNT BRIDGE CREEK	3C08P	1330	01-Jun	Not Sampled			281	1133	1133	0	333*	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

### SKAGIT Drainage Basin

			Jun 1 2009	Historic, Water Equivalent (mm)	Yrs
--	--	--	------------	---------------------------------	-----

Snow Course Name and Number	Elev. metres	Date of Survey	Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	of Record
HARTS PASS	WA09P	1980	01-Jun	541	88%	632	716	1557	76	615	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											

## PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
AIKEN LAKE	4A30P	1040	01-Jun	0		0	0	0	0	0	22
PULPIT LAKE	4A09P	1310	01-Jun	213		6	241	241	0	0	18
PINE PASS	4A02P	1400	01-Jun	1017	128%	1064	1500A	1500A	183	795	16
KWADACHA RIVER	4A27P	1620	01-Jun	349	161%*	233	319	458	0	217*	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 Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
DEADWOOD RIVER	4C09P	1300	01-Jun	0	0%*	0	0	31	0	2*	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											

## SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm		
GRANDUC MINE	4B12P	790	01-Jun	1974	169%*	1365A	1796	1796	818	1166*	6	
CEDAR-KITEEN	4B18P	885	01-Jun	506	289%*	112	646	646	0	175*	8	
McKENDRICK CREEK	4B07	1050	03-Jun	2	10	333%	-	149	31	0	3	13

LU LAKE	4B15P	1310	01-Jun		0	0%*	0	173	180	0	38*	10
TSAI CREEK	4B17P	1360	01-Jun		1329	129%*	957	2123	2123	371	1033*	11
KIDPRICE LAKE	4B01	1370	29-May	198	1032	155%	260	1359A	1359A	0	666	34
CHAPMAN LAKE	4B04	1460	03-Jun	69	285	54%	-	546	594	396	528	5
MOUNT CRONIN	4B08	1480	03-Jun	119	500	68%	-	744	927	610	734	8
HUDSON BAY MTN.	4B03A	1480	02-Jun	90	397	138%	229	669	729	0	288	36
SHEDIN CREEK	4B16P	1480	01-Jun		983	134%*	-	1279	1279	98	736*	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

## STIKINE/TAKU Drainage Basin

Snow Course Name and Number				Jun 1 2009			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2008 mm	2007 mm	Max. mm	Min. mm	Normal mm	
KINASKAN LAKE	4D11P	1020	01-Jun		246	1171%*	0	248	248	0	21*	18
TUMEKA CREEK	4D10P	1220	01-Jun		381	251%*			488	0	152*	16
WADE LAKE	4D14P	1370	01-Jun		281	316%*	176	150	243	0	89*	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