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Basin Data and Graphs

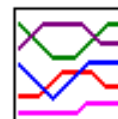
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Snowpack and Water Supply Outlook for British Columbia

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.

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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%.

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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.

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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%.

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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).

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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).

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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%.

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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.

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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%.

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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												
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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

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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												