



Water Supply and Snow Survey Bulletin – January 1, 2011

The January 1 snow survey is now complete. Data from 84 snow courses and 52 snow pillows around the province, with 6 out-of-province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

From October to December, precipitation was generally average or below average for most of the province. In December, a series of sub-tropical storm systems brought continued moisture to the South Coast and Vancouver Island resulting in above normal precipitation, although overall October to December precipitation totals in the region are normal. In contrast, the central interior received well below normal precipitation for the month of December, and was below normal overall for the fall. Precipitation totals in the remainder of the province are generally below normal for the past 3 months.

Temperatures in December were 1-2°C above average across most of the province, with the exception of Fort St. John and Fort Nelson, where temperatures were below average.

Snowpack

Basin snow water indices across BC at January 1 vary from a low of 54% of normal in the Upper Fraser basin to a high of 168% of normal on Vancouver Island. Almost all basins are below normal, and the Upper Fraser, North and South Thompson, and Columbia basins are well below normal. The Lower Fraser basin is slightly above normal, and the Vancouver Island and South Coast basins are well above normal for this survey period.

BC Snow Basin Indices – January 1, 2011

Basin	% of Normal	Basin	% of Normal
Upper Fraser	54%	Kootenay	80%
Nechako	83%	Okanagan-Kettle	80%
Middle Fraser	77%	Similkameen	76%
Lower Fraser	106%	South Coast	120%
North Thompson	61%	Vancouver Island	168%
South Thompson	68%	Peace	78%
Columbia	62%	Skeena-Nass	90%

Outlook

By this date, generally about one-half of the BC snowpack has accumulated. This first snow survey bulletin for the year is based on limited data, and more data will be available in subsequent surveys. Conditions as of January 1st do not indicate significant potential for flood or drought risk. However, given the drought conditions this past summer for north-eastern BC, Skeena-Bulkley and the Middle Fraser, an above normal snowpack by April 1st will be needed to replenish the diminished groundwater, lake and reservoir storage in those regions.

1. 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 upon review.

UPPER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PRINCE GEORGE A	1A10	690	02-Jan	13	25	36	68	57	156	0	70	48
PACIFIC LAKE	1A11	770	03-Jan	67	167	54	381	287	476	56	310	27
BURNS LAKE	1A16	800	03-Jan	32	52	68		96	192	10	77	36
PHILIP LAKE	4A13	980	05-Jan	59	113	75	139	132	288	48	150	28
HEDRICK LAKE	1A14	1100	03-Jan	77	201	60	414	365	640	94	335	19
HEDRICK LAKE	1A14P	1100	01-Jan	83	178	56	471	378	503	139	315*	10
KAZA LAKE	1A12	1190	05-Jan	79	141	74	92	192	371	92	190	25
BIRD CREEK	1A23	1200	29-Dec	43	72	N/A	N/A	N/A	N/A	N/A	N/A	2
LU LAKE	4B15P	1310	01-Jan	31	138	103	135	160	289	41	134*	13
MOUNT SHEBA	4A18	1490	03-Jan	103	288	72	559	377	793	106	400	22
BARKERVILLE	1A03P	1520	01-Jan	50	100	60	183E		312	38	168	29
KNUDSEN LAKE	1A15	1580			Not Sampled		498	422	821	125	410	19
MCBRIDE (UPPER)	1A02P	1620	01-Jan	75	147	68		220A	270	184	227*	4
REVOLUTION CREEK	1A17P	1690	01-Jan	90	183	44	472		814	191	415	25
LONGWORTH (UPPER)	1A05	1740	03-Jan	89	228	65	510	390	694	114	350	20
DOM MOUNTAIN	1A19P	1820	01-Jan	70	190E	53	353	345	413	341	377*	4
YELLOWHEAD	1A01P	1860	01-Jan	N/A	186	55	412	259	428	184	340	14

NECHAKO Drainage Basin

		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
SKINS LAKE	1B05	880	30-Dec	31	49	75	83	94	0	65	24	25
TAHTSA LAKE	1B02	1300	30-Dec	213	612	N/A	N/A	N/A	N/A	N/A	N/A	2
TAHTSA LAKE	1B02P	1300	01-Jan	N/A	652	93	701	652	1155	369	703	18
KIDPRICE LAKE	4B01	1370	30-Dec	154	460	N/A	N/A	N/A	N/A	N/A	N/A	2
MOUNT PONDOSY	1B08P	1400	01-Jan	N/A	314	70	399	338	686	204	451	17
MOUNT WELLS	1B01	1490	29-Dec	89	220	N/A	N/A	N/A	N/A	N/A	N/A	2
MOUNT WELLS	1B01P	1490	01-Jan	N/A	N/A	N/A	316	424	518	131	328	18
NUTLI LAKE	1B07	1490	29-Dec	87	206	N/A	N/A	N/A	N/A	N/A	N/A	2
MOUNT SWANNELL	1B06	1620	29-Dec	57	134	N/A	N/A	N/A	N/A	N/A	N/A	2

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PUNTZI MOUNTAIN	1C22	940	29-Dec	15	24	60		32	106	0	40	37
NAZKO	1C08	1070	28-Dec	25	45	82		58	84	0	55	25
BIG CREEK	1C21	1140	31-Dec	12	14	39		46	62	10	36	24
GRANITE MOUNTAIN	1C33A	1150	28-Dec	30	63	63	116	112	158	26	100	18
BRIDGE GLACIER (LOWER)	1C39	1400	03-Jan	140	332	110	466	86	456	86	302*	15
BRALORNE	1C14	1450	03-Jan	38	80	89	118	38	158	33	90	15
BOSS MOUNTAIN MINE	1C20P	1460	01-Jan	N/A	192	60	336	266	461	184	320	17
LAC LE JEUNE (UPPER)	1C25	1460	29-Dec	34	59	79	61	45	146	10	75	38
BRENDA MINE	2F18P	1460	01-Jan	N/A	N/A	N/A	151		304	100	186	15
BARKERVILLE	1A03P	1520	01-Jan	50	100	60	183		312	38	168	29
YANKS PEAK EAST	1C41P	1670	01-Jan	69	246	58	423	425	491	199	422	14
GREEN MOUNTAIN	1C12P	1780	01-Jan	N/A	401	91	664	192	750	192	440	17
MCGILLIVRAY PASS	1C05	1800	03-Jan	93	220	85	406	140	458	140	260	16
MISSION RIDGE	1C18P	1850	01-Jan	N/A	189	69	324E	151	659	148	272	24
DOWNTON LAKE (UPPER)	1C38	1890	03-Jan	147	400	94	664		690	272	425	14
TYAUGHTON CREEK (NORTH)	1C40	1950	03-Jan	89	220	126	418	92	364	92	175	14
BRALORNE(UPPER)	1C37	1980	03-Jan	115	244	66	472	116	504	195	368	15

LOWER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DISAPPOINTMENT LAKE	1D18P	932	01-Jan	N/A	839	122	682	392	1304	276	686	8
DICKSON LAKE	1D16	1070	30-Dec	171	612	86	550	2120	2120	274	715*	15
DOG MOUNTAIN	3A10	1080	04-Jan	161	515	107	548	360A	897	96	480	24
BEAVER PASS	WA12	1120	01-Jan	163	468	150	378		615	109	312*	13
KLESILKWA	3D03A	1130	30-Dec	44	112	61	84		386	0	185	19
SPUZZUM CREEK	1D19P	1180	01-Jan	162	572	83	690	334	1231	326	656*	12
STAVE LAKE	1D08	1210	30-Dec	219	713	113	746		3150	112	630	17
WAHLEACH LAKE	1D09	1400	30-Dec	83	242	93	224		417	46	260	22
WAHLEACH LAKE	1D09P	1400	01-Jan	207	317	61	399	250	777	235	520	18
NAHATLATCH RIVER	1D10	1520	30-Dec	222	643	107	850		2690	219	600	15
EASY PASS	WA13	1580	01-Jan	N/A	990	131	488		1651	229	755	21
CHILLIWACK RIVER	1D17P	1600	01-Jan	193	656	88	686	420	1165	383	659*	18
TENQUILLE LAKE	1D06P	1680	01-Jan	N/A	567	122	638	278	780	278	469*	10

NORTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BLUE RIVER	1E01B	670	26-Dec	54	152	95		162	263	0	160	25
BOSS MOUNTAIN MINE	1C20P	1460	01-Jan	N/A	192	60	336	266	461	184	320	17
MOUNT COOK	1E02P	1550	01-Jan	135	353E	63	675	551	881	439	606*	9
AZURE RIVER	1E08P	1620	01-Jan	95	407	66	689	461	780	356	620	14
KOSTAL LAKE	1E10P	1770	01-Jan	102	281	62	N/A	420	590	271	453	26

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
MONASHEE PASS	2E01	1370	31-Dec	49	109	66	169	158	239	84	165	27
CELISTA	1F06P	1500	01-Jan	113	306	69	499	326	555	326	484*	5
KIRBYVILLE LAKE	2A25	1750	02-Jan	144	408	66	716	496	854	351	620	26
PARK MOUNTAIN	1F03P	1890	01-Jan	105	296	69	346E	345	632	256	427	24

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DOWNIE SLIDE (LOWER)	2A27	980			Not Sampled		298	248	504	166	320	23
GLACIER	2A02	1250	01-Jan	80	213	65	312	255	519	147	328	40
VERMONT CREEK	2A19	1520	01-Jan	65	142	62	223	93	328	91	230	26
AZURE RIVER	1E08P	1620	01-Jan	95	407	66	689	461	780	356	620	14
DOWNIE SLIDE (UPPER)	2A29	1630	02-Jan	145	424	61	832	480	1022	370	690	22
KICKING HORSE	2A07	1650	02-Jan	47	71	41	136	200	257	66	175	31
KIRBYVILLE LAKE	2A25	1750	02-Jan	144	408	66	716	496	854	351	620	26
MOUNT REVELSTOKE	2A06P	1830	01-Jan	N/A	N/A	N/A			835	317	599	15
FIDELITY MOUNTAIN	2A17	1870	01-Jan	125	331	54	669	570	1228	334	617	36
BEAVERFOOT	2A11	1890	01-Jan	39	76	63	110	42	215	52	120	26
KEYSTONE CREEK	2A18	1890	02-Jan	106	290	73	509	306	577	217	400	26
GOLDSTREAM	2A16	1920	02-Jan	123	355	59	612	524	906	355	598	26
BUSH RIVER	2A23	1920	02-Jan	97	242	55	514	298	722	216	442	26
MOUNT ABBOT	2A14	1980	02-Jan	141	403	66	684	533	1065	298	615	26
MOLSON CREEK	2A21P	1980	01-Jan	N/A	285	51	679	458	1072	318	558	30
SUNBEAM LAKE	2A22	2010	02-Jan	116	304	64	583	434	767	243	475	26

LOWER COLUMBIA Drainage Basin

		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
FERGUSON	2D02	880	04-Jan	80	191	69	290	191	409	93	275	31
FARRON	2B02A	1220	31-Dec	71	143	92	148	152	330	40	155	26
MONASHEE PASS	2E01	1370	31-Dec	49	109	66	169	158	239	84	165	27
WHATSHAN (UPPER)	2B05	1480	31-Dec	86	217	64			543	169	340	21
BARNES CREEK	2B06	1620	31-Dec	72	169	65	256	221	376	146	260	22
BARNES CREEK	2B06P	1620	01-Jan	N/A	173	62	236	233	409	158	278	17
ST. LEON CREEK	2B08	1800	31-Dec	146	401	65	682		1164	325	613	18
ST. LEON CREEK	2B08P	1800	01-Jan	N/A	345	64	446	352	637	221	569	14
KOCH CREEK	2B07	1860			Not Sampled				452	170	365	16
RECORD MOUNTAIN	2B09	1890	05-Jan	127	318	99		206	538	134	320	25
EAST CREEK	2D08P	2030	01-Jan	N/A	319	68	450	326	858	206	470	29

EAST KOOTENAY Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERNIE EAST	2C07	1250			Not Sampled			50	330	28	142	35
SULLIVAN MINE	2C04	1550	30-Dec	60	120	87		88	226	29	138	26
BANFIELD MOUNTAIN	MT05P	1710	01-Jan	81	183	96	137	165	340	112	190*	13
MOUNT JOFFRE	2C16	1750	01-Jan	61	138	77	175	86	364	73	180	23
MORRISSEY RIDGE	2C09Q	1800	01-Jan	N/A	255	77	278	206	706	123	331	27
MOYIE MOUNTAIN	2C10P	1930	01-Jan	63	197	109	163	173	354	76	180	31
HAWKINS LAKE	MT06P	1970	01-Jan	117	280	111	254	201	419	145	253*	13
THUNDER CREEK	2C17	2010	01-Jan	47	100	74	143	79	276	61	135	25
FLOE LAKE	2C14	2090	01-Jan	101	267	63	404	277	747	181	425	26
FLOE LAKE	2C14P	2090	01-Jan	N/A	266	73	383	326	502	173	363	15
HIGHWOOD SUMMIT (BUSH)	AL02	2210	31-Dec	53	115	54	249	124	399	97	209*	18
MOUNT ASSINIBOINE	2C15	2230	01-Jan	80	190	66	280	205	567	111	290	27
SUNSHINE VILLAGE	AL05	2230	04-Jan	75	172	68	291	232	389	137	252*	14

WEST KOOTENAY Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	04-Jan	80	191	69	290	191	409	93	275	31
NELSON	2D04	930	04-Jan	62	144	82	151	152	366	61	175	51
CHAR CREEK	2D06	1310	01-Jan	83	196	78	236	215	480	110	250	27
BUNCHGRASS MEADOW	WA01P	1520	01-Jan	112	262	82	302	256	488	218	318*	13
KOCH CREEK	2B07	1860			Not Sampled				452	170	365	16
MOUNT TEMPLEMAN	2D09	1860	31-Dec	123	320	60			902	277	530	19
EAST CREEK	2D08P	2030	01-Jan	N/A	319	68	450	326	858	206	470	29
REDFISH CREEK	2D14P	2104	01-Jan	180	491	91	611	357	721	357	562*	9

KETTLE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FARRON	2B02A	1220	31-Dec	71	143	92	148	152	330	40	155	26
MONASHEE PASS	2E01	1370	31-Dec	49	109	66	169	158	239	84	165	27
GRANO CREEK	2E07P	1860	01-Jan	81	205	88	180	169	315	143	227*	13

OKANAGAN Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SUMMERLAND RESERVOIR	2F02	1280	29-Dec	49	107	94	82	69	198	42	114	47
BRENDA MINE	2F18P	1460	01-Jan	N/A	N/A	N/A	151		304	100	186	15
GREYBACK RESERVOIR	2F08	1550			Not Sampled			101	181	56	115	28
ISINTOK LAKE	2F11	1680	29-Dec	33	61	71	58	53	196	16	86	45
MISSION CREEK	2F05P	1780	01-Jan	69	156	73	205	173	364	104	215	40
GRAYSTOKE LAKE	2F04	1810	30-Dec	48	140	85	108B	118	278	96	165*	7
MOUNT KOBAY	2F12	1810	31-Dec	57	124	86		94	261	28	144	34

SIMILKAMEEN Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ISINTOK LAKE	2F11	1680	29-Dec	33	61	71	58	53	196	16	86	45
BLACKWALL PEAK	2G03P	1940	01-Jan	121	325	84	416	221	923	108	397	41
HARTS PASS	WA09P	1980	01-Jan	152	560	123	384	322	737P	234	457*	13

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE	3A09P	880	01-Jan	N/A	738	N/A	176		818	141	
DOG MOUNTAIN	3A10	1080	04-Jan	161	515	107	548	360A	897	96	480
GROUSE MOUNTAIN	3A01	1100	04-Jan	180	688	143	536	370A	878	24	480
ORCHID LAKE	3A19	1190		Not Sampled		925		1360	202	750	26
ORCHID LAKE	3A19P	1178	01-Jan	N/A	829	109	592	357	1306	243	760
SQUAMISH RIVER (UPPER)	3A25P	1340	01-Jan	449	967	132	792	416	1072	416	730
NOSTETUKO RIVER	3A22P	1500	01-Jan	56	307	116	281		524	32	256*
MOSLEY CREEK (UPPER)	3A24P	1650	01-Jan	57	180	99	258	203	491	85	189*

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER	3B04	270		Not Sampled		0	109	264	0	70	26
WOLF RIVER (LOWER)	3B19	640	30-Dec	141	388	388	196	154	372	0	100
WOLF RIVER (MIDDLE)	3B18	1070	30-Dec	193	582	216	336	168	590	0	270
FORBIDDEN PLATEAU	3B01	1130	30-Dec	318	1054	167	701	299	1287	0	630
JUMP CREEK	3B23P	1160	01-Jan	193	646	151	430	304	1024	60	428
WOLF RIVER (UPPER)	3B17P	1490	01-Jan	N/A	1006	169	610	265	1057	150	595

NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE	1B02	1300	30-Dec	213	612	N/A	N/A	N/A	N/A	N/A	2
TAHTSA LAKE	1B02P	1300	01-Jan	N/A	652	93	701	652	1155	369	703
BURNT BRIDGE CREEK	3C08P	1330	01-Jan	N/A	251	59	480	525A	611	131	442*

SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BEAVER PASS	WA12	1120	01-Jan	163	468	150	378		615	109	312*
KLESILKWA	3D03A	1130	30-Dec	44	112	61	84		386	0	185
HARTS PASS	WA09P	1980	01-Jan	152	560	123	384	322	737P	234	457*

PEACE Drainage Basin

		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
PACIFIC LAKE	1A11	770	03-Jan	67	167	54	381	287	476	56	310	27
WARE (LOWER)	4A04	980	06-Jan	46	71	71	80	116	240	52	100	20
PHILIP LAKE	4A13	980	05-Jan	59	113	75	139	132	288	48	150	28
AIKEN LAKE	4A30P	1040	01-Jan	N/A	110	80	120	150	262	71	138	21
TUTIZZI LAKE	4A06	1070	05-Jan	68	128	95	103	138	200	72	135	20
TSAYDAYCHI LAKE	4A12	1160	05-Jan	85	196	91	199	182	393	128	215	27
KAZA LAKE	1A12	1190	05-Jan	79	141	74	92	192	371	92	190	25
PULPIT LAKE	4A09	1310	06-Jan	87	180	82	167	324	398	130	220	22
PULPIT LAKE	4A09P	1310	01-Jan	N/A	226	93	167E	351	351	155	242	19
FREDRICKSON LAKE	4A10	1310	05-Jan	56	98	75	77	132	250	54	130	21
PINE PASS	4A02	1399			Not Sampled		655	1700	1700	314	620	28
PINE PASS	4A02P	1400	01-Jan	N/A	353	65	509		1016	241	543	20
TRYGVE LAKE	4A11	1400	06-Jan	82	157	81	143	238	299	126	195	22
SIKANNI LAKE	4C01	1400	06-Jan	58	104	72	85	191	257	44	145	27
MORFEE MOUNTAIN	4A16	1450			Not Sampled		395	416	710	199	450	15
LADY LAURIER LAKE	4A07	1460	07-Jan	101	256	95	229	292	472	140	270	26
MOUNT SHEBA	4A18	1490	03-Jan	103	288	72	559	377	793	106	400	22
GERMANSEN (UPPER)	4A05	1500	05-Jan	77	162	84	173	194	364	93	194	27
MOUNT STEARNS	4A21	1500	06-Jan	40	70	88	73	97	151	14	80	21
JOHANSON LAKE	4B02	1540	05-Jan	65	114	71	103	172	282	84	160	27
MONKMAN CREEK	4A20	1550			Not Sampled		391	225	546	107	270	16
WARE (UPPER)	4A03	1570	06-Jan	62	122	84	102	163	248	64	145	21
KWADACHA RIVER	4A27P	1620	01-Jan	N/A	133	83	143	176	307	86	173*	24

LIARD Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DEASE LAKE	4C03	820	31-Dec	42	63	89		57	150	20	71	43
SIKANNI LAKE	4C01	1400	06-Jan	58	104	72	85	191	257	44	145	27

SKEENA/NASS Drainage Basin

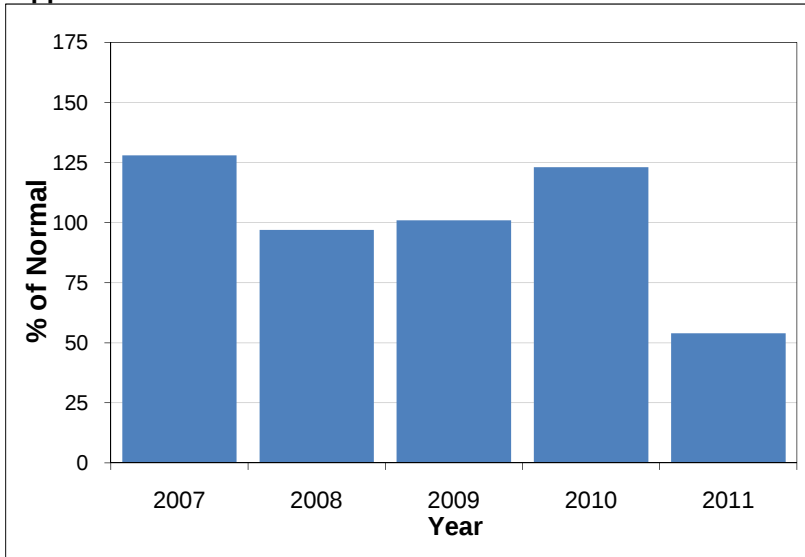
Snow Course Name and Number		Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TERRACE A	4B13A	180			Not Sampled		60		70	0	73	27
CEDAR-KITEEN	4B18P	885	01-Jan	75	117	40	201	473	521	83	295*	10
KAZA LAKE	1A12	1190	05-Jan	79	141	74	92	192	371	92	190	25
LU LAKE	4B15P	1310	01-Jan	31	138	103	135	160	289	41	134*	13
TSAI CREEK	4B17P	1360	01-Jan	150	528	92	592	654	908	390	589*	12
KIDPRICE LAKE	4B01	1370	30-Dec	154	460	N/A	N/A	N/A	N/A	N/A	N/A	2
TRYGVE LAKE	4A11	1400	06-Jan	82	157	81	143	238	299	126	195	22
HUDSON BAY MTN.	4B03A	1480	04-Jan	84	285	101	261	290	470	135	283	35
SHEDIN CREEK	4B16P	1480	01-Jan	101	322	78	326	530	551	266	419*	14
JOHANSON LAKE	4B02	1540	05-Jan	65	114	71	103	172	282	84	160	27

STIKINE/TAKU Drainage Basin

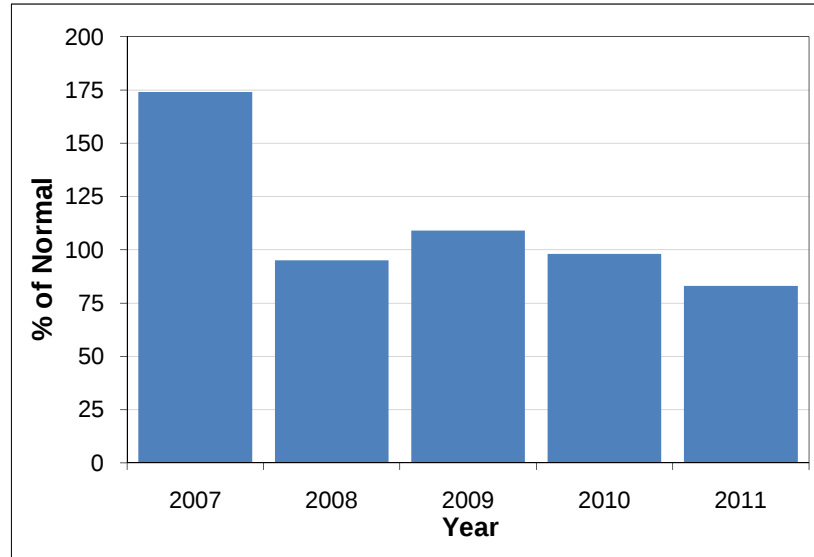
Snow Course Name and Number	Elev. metres	Date of Survey	Jan 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DEASE LAKE 4C03	820	31-Dec	42	63	89		57	150	20	71	43
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

Snow Basin Index Graphs - January 1, 2011

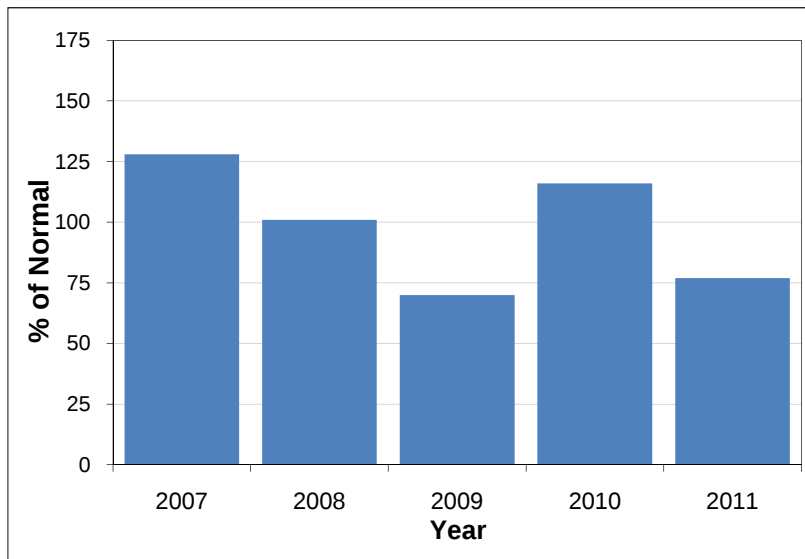
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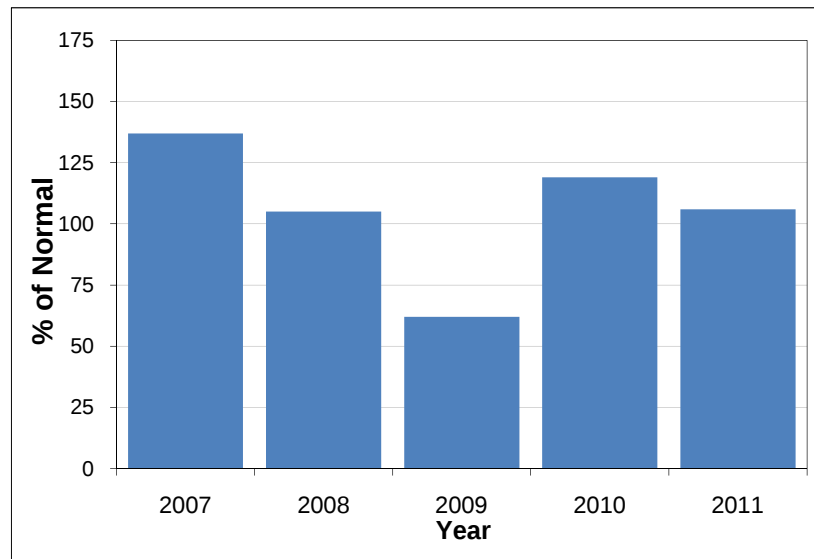
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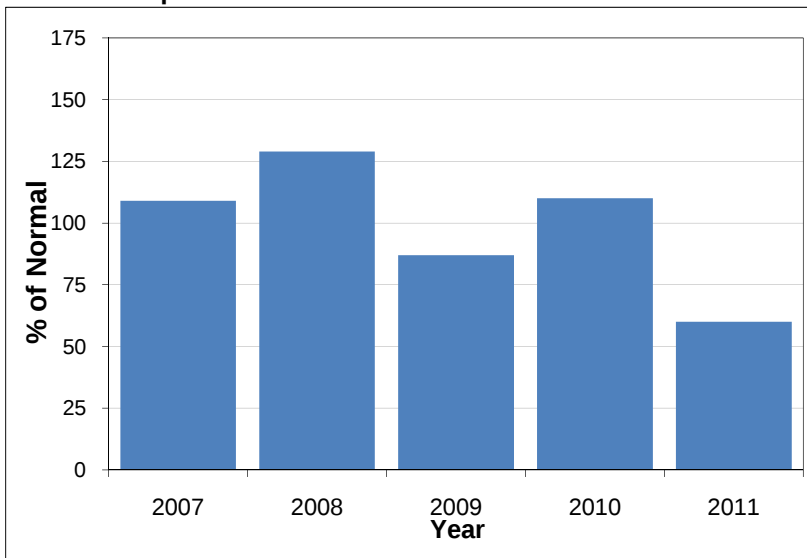
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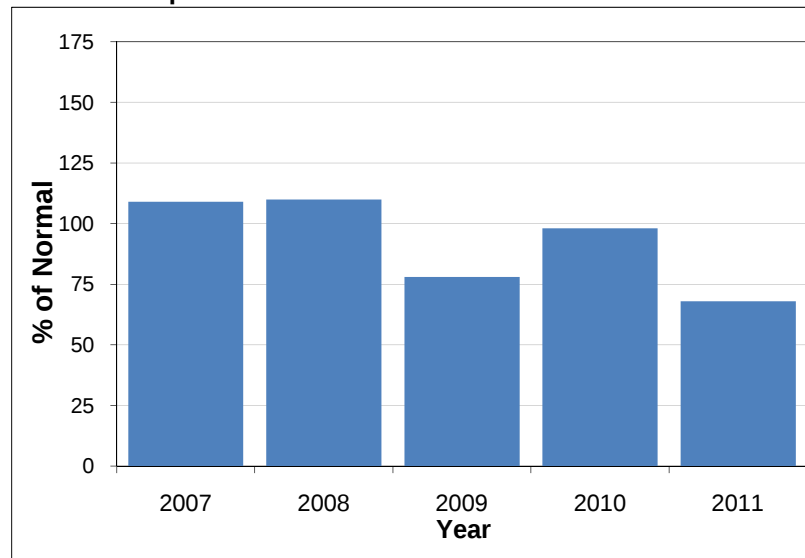
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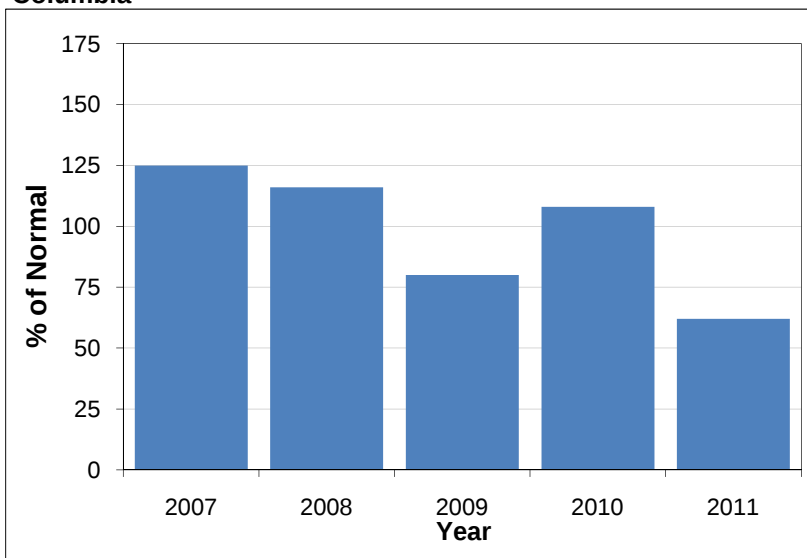
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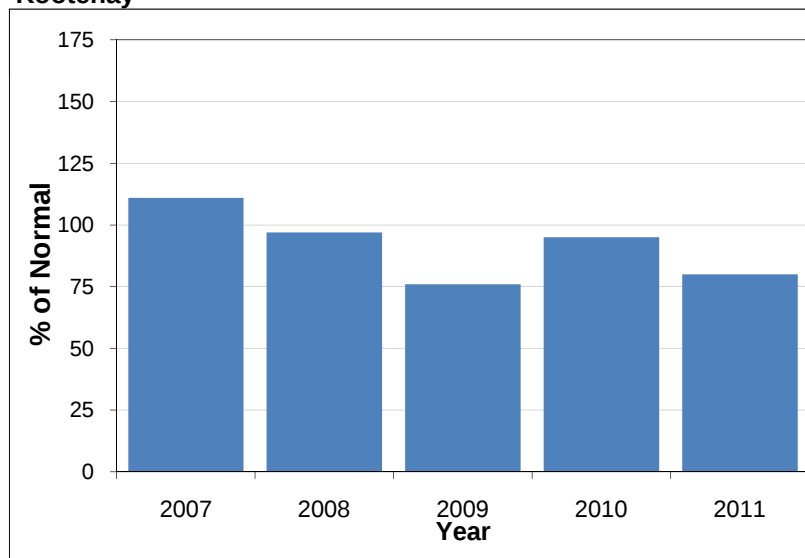
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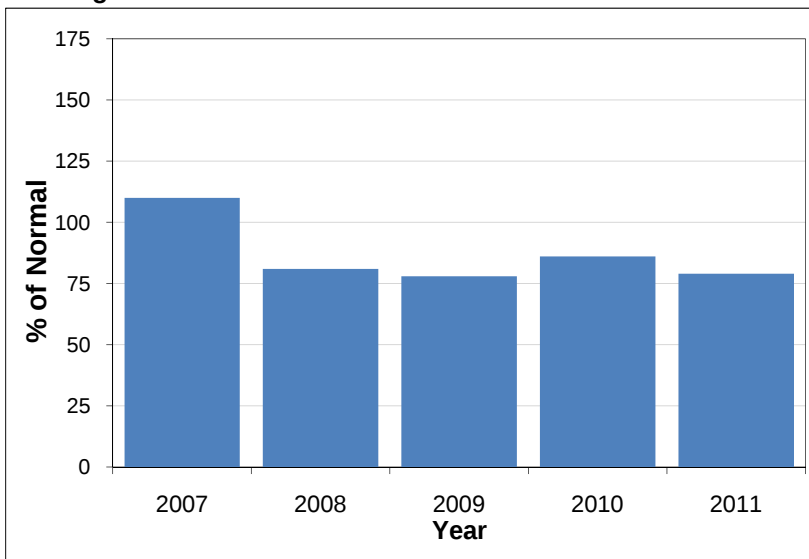
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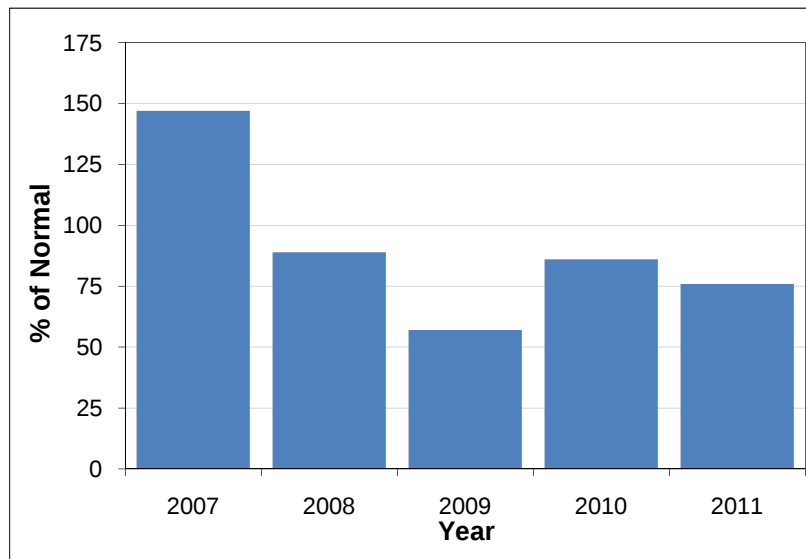
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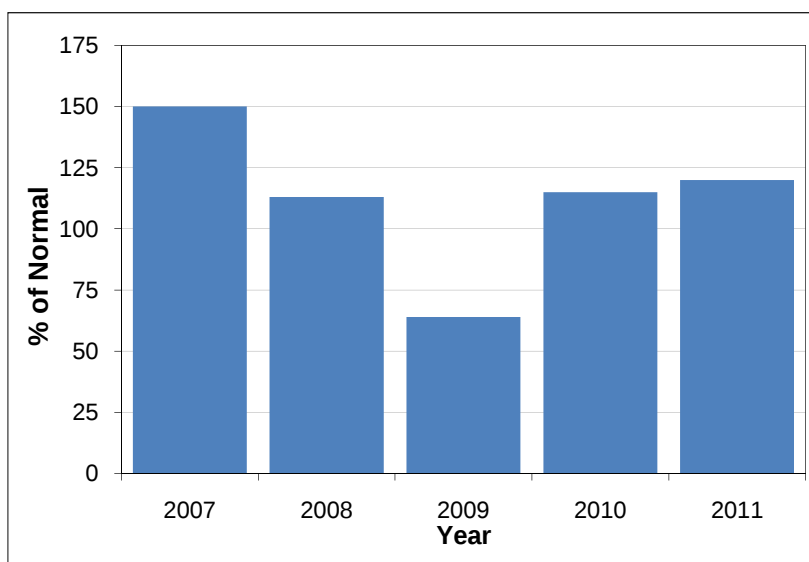
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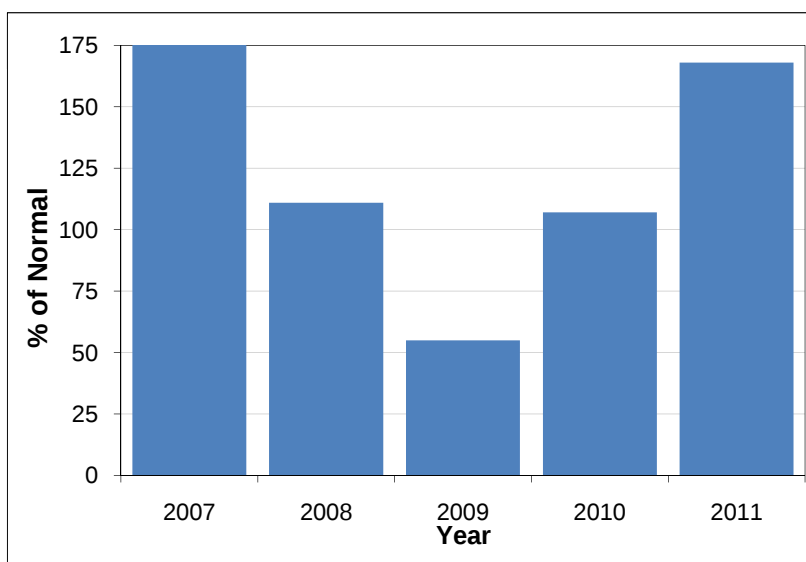
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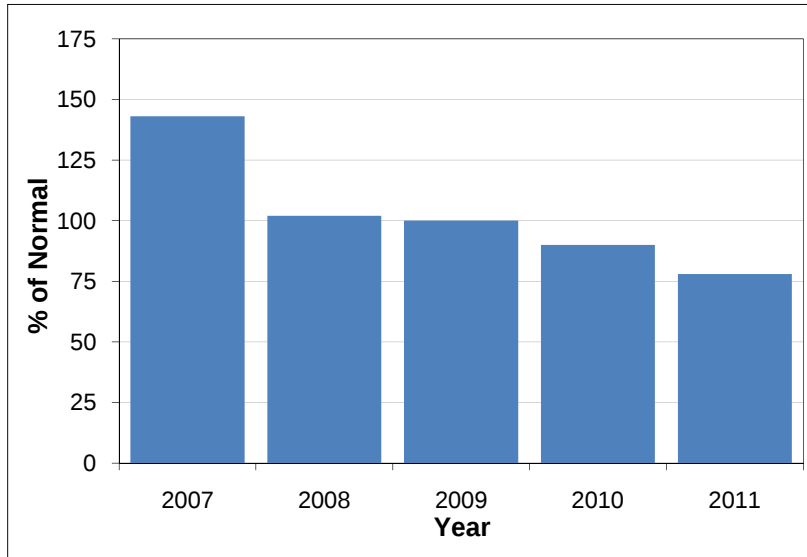
South Coast



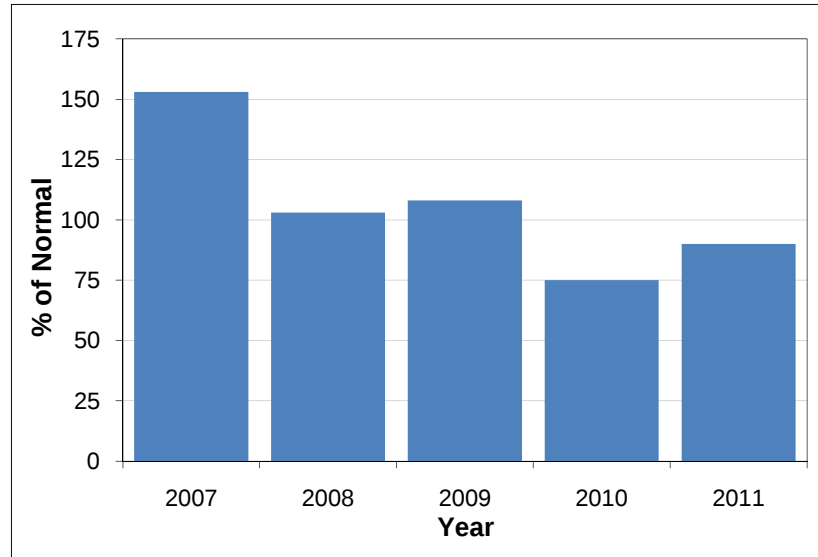
Vancouver Island



Peace



Skeena-Nass



Snow Survey and Water Supply Bulletin – February 1, 2011

The February 1 snow survey is now complete. Data from 125 snow courses and 51 snow pillows around the province, with 17 out-of-province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

In general, precipitation in January was at or above average for most areas of British Columbia. A series of frontal systems swept across the province bringing snow to most regions, a weather pattern consistent with the moderate-strong La Niña climate phenomenon currently being observed.

Snowpack

Basin snow water indices for BC at February 1 vary from a low of 79% of normal in the Similkameen basin to a high of 137% of normal on Vancouver Island. The indices have improved since January 1 for most basins in the province, most notably for the Upper Fraser, Nechako, Thompson, Columbia, and Kootenays. For the South Coast and Vancouver Island, indices have dropped from the previous month, but remain above average.

BC Snow Basin Indices – February 1, 2011

Basin	% of Normal	Basin	% of Normal
Upper Fraser	90%	Kootenay	98%
Nechako	103%	Okanagan-Kettle	87%
Middle Fraser	93%	Similkameen	79%
Lower Fraser	108%	South Coast	115%
North Thompson	82%	Vancouver Island	137%
South Thompson	97%	Peace	92%
Nicola	85%	Skeena-Nass	94%
Columbia	90%		

Outlook

By this date, generally about two-thirds of the BC snowpack has accumulated. Conditions as of February 1st do not indicate significant potential for flood or drought risk. However, given the drought conditions this past summer for north-eastern BC, Skeena-Bulkley and the Middle Fraser, an above normal snowpack by April 1st would be beneficial to replenish the diminished groundwater, lake and reservoir storage in these regions.

1. 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 upon review.

UPPER FRASER Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
PRINCE GEORGE A	1A10	690	28-Jan	47	112	98	104	122	224	0T	114	49
PACIFIC LAKE	1A11	770	30-Jan	150	440	98	425	489	679	179	451	43
BURNS LAKE	1A16	800	02-Feb	46	98	82	72	132	232	44	120	40
CANOE RIVER	2A01A	910	27-Jan	49	108	120	110A	78	146B	17	90	36
PHILIP LAKE	4A13	980	27-Jan	83	197	98	169	219	355	118	202	44
HEDRICK LAKE	1A14	1100	30-Jan	175	501	100	475	561	823	248	500	42
HEDRICK LAKE	1A14P	1100	01-Feb	176	538	105	562		716	356	511*	10
BIRD CREEK	1A23	1180	27-Jan	54	130	119	78	116	196	56	109*	20
KAZA LAKE	1A12	1190	27-Jan	117	243	102	145	298	440	125	239	40
LU LAKE	4B15P	1310	01-Feb	N/A	224E	117	192	231	353	94	192*	12
MOUNT SHEBA	4A18	1490	30-Jan	198	560	98	603	590	932	299	570	41
BARKERVILLE	1A03P	1520	01-Feb	96	225	89	213	251	351	116	253	32
KNUDSEN LAKE	1A15	1580	30-Jan	192	519	89	520	636	899	284	584	39
MCBRIDE (UPPER)	1A02P	1620	01-Feb	132	298	98	N/A	311	446	195	296*	5
REVOLUTION CREEK	1A17P	1690	01-Feb	198	502	87	546	671	930	295	574	25
LONGWORTH (UPPER)	1A05	1740	30-Jan	202	562	101	604	624	890A	236	556	37
DOMM MOUNTAIN	1A19P	1820	01-Feb	159	453	87	424	544	701	356	520*	5
MARMOT JASPER	AL12	1830	03-Feb	78	176	114	240	138	240	71	154*	13
YELLOWHEAD	1A01P	1860	01-Feb	N/A	348E	76	493E	330	596	233	455	14

NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres			Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SKINS LAKE	1B05	880	31-Jan	44	108	115	72	67	224	35	94	43
TAHTSA LAKE	1B02	1300	28-Jan	247	833	101	960	789	1345	508A	821	56
TAHTSA LAKE	1B02P	1300	01-Feb	N/A	N/A	N/A	957	884	1530	613	903	17
KIDPRICE LAKE	4B01	1370	30-Jan	202	681	107	712	840	1106	420	638	53
MOUNT PONDOSY	1B08P	1400	01-Feb	N/A	N/A	N/A	546	460	872	326	578	18
MOUNT WELLS	1B01	1490	30-Jan	121	381	99	365	466	606	188	385	27
MOUNT WELLS	1B01P	1490	01-Feb	N/A	354	83	392	543	655	213	426	17
NUTLI LAKE	1B07	1490	27-Jan	118	308	80	445	382	653	227	383*	19
MOUNT SWANNELL	1B06	1620	27-Jan	81	214	101	210	219	382B	88	211*	22

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PUNTZI MOUNTAIN	1C22	940	29-Jan	35	72	124		52	126	0	58	39
NAZKO	1C08	1070	27-Jan	46	88	117		77	132	6	75	32
BIG CREEK	1C21	1140	26-Jan	19	36	69		70	94	0	47	35
GRANITE MOUNTAIN	1C33A	1150	27-Jan	64	156	108	119	165	217	59	145	18
BRIDGE GLACIER (LOWER)	1C39	1400	31-Jan	136	490	112	512	112	688	112	439*	14
BRALORNE	1C14	1450	31-Jan	54	139	101	122	48	338	0	138	40
SHOVELNOSE MOUNTAIN	1C29	1450	30-Jan	64	167	83		81	307	48	202	29
BOSS MOUNTAIN MINE	1C20P	1460	01-Feb	N/A	353	80	384	390	574	285	440	17
LAC LE JEUNE (UPPER)	1C25	1460	01-Feb	44	89	85	103	74	177	13	105	38
BRENDA MINE	2F18P	1460	01-Feb	N/A	243	92	230	162	368	148	264	16
BARKERVILLE	1A03P	1520	01-Feb	96	225	89	213	251	351	116	253	32
MOUNT TIMOTHY	1C17	1660	30-Jan	92	228	98		246	384	92	232	44
YANKS PEAK EAST	1C41P	1670	01-Feb	162	534	90	506	682	761	304	595	14
GREEN MOUNTAIN	1C12P	1780	01-Feb	N/A	554	92	916E	238	985	238	605	17
MCGILLIVRAY PASS	1C05	1800	31-Jan	122	354	88	514	174	645	150	403	58
MISSION RIDGE	1C18P	1850	01-Feb	N/A	338	80	405	218	794	218	424	24
DOWNTON LAKE (UPPER)	1C38	1890	31-Jan	182	572	94	940	250	980	250	610	15
TYAUGHTON CREEK (NORTH)	1C40	1950	31-Jan	106	300	113		128	654	182	265	13
BRALORNE(UPPER)	1C37	1980	31-Jan	141	432	93	544	178	724	178	465	16

LOWER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SUMALLO RIVER WEST	3D01C	790	01-Feb	51	147	61	72	133	368	0	242	17
DISAPPOINTMENT LAKE	1D18P	1040	01-Feb	N/A	1029	91	743	613	1673	194	1128	9
CALLAGHAN CREEK	3A20	1040	31-Jan	178	670	116		302	1040	50	577	28
DICKSON LAKE	1D16	1070	01-Feb	196	826	90	752	696	1538	206	918	17
DOG MOUNTAIN	3A10	1080	27-Jan	183	754	103	506	717	1243	206	731	27
BEAVER PASS	WA12	1120	01-Feb	130	460	91	462	432	922	36	508*	42
KLESILKWA	3D03A	1130	01-Feb	45	120	47	84	250	508	0	257	54
SPUZZUM CREEK	1D19P	1180	01-Feb	191	814	73	934	536	1804E	300	1113*	12
STAVE LAKE	1D08	1210	01-Feb	243	975	107	918A	504	1448	163	907	39
WAHLEACH LAKE	1D09	1400	01-Feb	120	385	97	320	274	815	33	396	41
WAHLEACH LAKE	1D09P	1400	01-Feb	N/A	582	75	567	445	1036	314	780	17
NAHATLATCH RIVER	1D10	1520	01-Feb	249	937	105	1114A	405	1359	262	893	36
EASY PASS	WA13	1580	26-Jan	284	1110	95	1049		2184	279	1172*	33
CHILLIWACK RIVER	1D17P	1600	01-Feb	254	1100	97	908	863	1668	368	1136*	19
TENQUILLE LAKE	1D06P	1680	01-Feb	223	817	116	912	383	1092	383	707*	10

NORTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BLUE RIVER	1E01B	670	26-Jan	113	233	93		316	380	98	250	26
KNOUFF LAKE	1E05	1200	31-Jan	46	96	84		110	229	38	114	49
BOSS MOUNTAIN MINE	1C20P	1460	01-Feb	N/A	353	80	384	390	574	285	440	17
MOUNT COOK	1E02P	1550	01-Feb	257	682	82	900	836	1088	600	830*	9
AZURE RIVER	1E08P	1620	01-Feb	170	673	81	901	638	998	506	835	14
ADAMS RIVER	1E07	1720	26-Jan	142	411	91		380	654	285	452	30
KOSTAL LAKE	1E10P	1770	01-Feb	N/A	531E	86	N/A	634	764	415	620	26

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ANGLEMONT 1F02	1190	29-Jan	88	302	110	193	238	483	130A	274	51
ABERDEEN LAKE 1F01A	1310			Not Sampled			69	193	48	119	55
MONASHEE PASS 2E01	1370	05-Feb	95	221	90	185	282	364	122	245	51
CELISTA 1F06P	1500	01-Feb	182	529	78	645	488	788	488	680*	5
ADAMS RIVER 1E07	1720	26-Jan	142	411	91		380	654	285	452	30
KIRBYVILLE LAKE 2A25	1750	01-Feb	224	694	86	945	635	1160	381	810	35
SILVER STAR MOUNTAIN 2F10	1840	30-Jan	161	527	104	466	448	721	229	507	52
PARK MOUNTAIN 1F03P	1890	01-Feb	180	564	94	494	566	867	331	602	26
ENDERBY 1F04	1900	07-Feb	226	756	109		557	932	348	691	48

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CANOE RIVER 2A01A	910	27-Jan	49	108	120	110A	78	146B	17	90	36
DOWNIE SLIDE (LOWER) 2A27	980	01-Feb	163	470	92	448	402	740	256	509	29
GLACIER 2A02	1250	28-Jan	172	473	96	431	468	828	241	494	70
FIELD 2A03A	1280	01-Feb	62	130	98	74	118	233	46	133	71
SUNWAPTA FALLS AL11	1400	03-Feb	72	153	109	159	94	254	48B	140*	38
VERMONT CREEK 2A19	1520	31-Jan	105	288	90	326	175	574	102	320	41
AZURE RIVER 1E08P	1620	01-Feb	170	673	81	901	638	998	506	835	14
DOWNIE SLIDE (UPPER) 2A29	1630	01-Feb	239	750	80	1102	652	1422	466	933	29
KICKING HORSE 2A07	1650	31-Jan	101	232	94	196	152	384	102	248	64
KIRBYVILLE LAKE 2A25	1750	01-Feb	224	694	86	945	635	1160	381	810	35
MOUNT REVELSTOKE 2A06P	1830	01-Feb	N/A	676E	80	730E	671	1140	511	850	17
FIDELITY MOUNTAIN 2A17	1870	27-Jan	259	782	90	858	846	1376	430	867	48
BEAVERFOOT 2A11	1890	31-Jan	62	148	96	126	110	249	78	154	42
KEYSTONE CREEK 2A18	1890	01-Feb	173	492	90	675	409	866	290	548	41
GOLDSTREAM 2A16	1920	01-Feb	244	721	91	828	691	1136	460	793	42
BUSH RIVER 2A23	1920	01-Feb	175	486	81	710	424	902	292	598	42
NIGEL CREEK AL10	1920	02-Feb	99	242	83	307	221	528	94B	291*	38
MOUNT ABBOT 2A14	1980	28-Jan	245	740	88	826	713	1209	396	842	52
MOLSON CREEK 2A21P	1980	01-Feb	N/A	563	74	855	642	1155	417	760	29
SUNBEAM LAKE 2A22	2010	01-Feb	209	580	90	744	563	886	348	642	42
MIRROR LAKE AL06	2030	01-Feb	90	212	100	207	173	348	79	212*	43
BOW SUMMIT II AL07A	2080	31-Jan	108	244	93	257	182	480	86B	262*	29

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	01-Feb	142	454	108	433	303	616	237	420	39
BAIRD	WA02	980	27-Jan	71	168	111	122	168	295	20	153*	51
FARRON	2B02A	1220	05-Feb	79	208	90	184	204	346	63	232	37
MONASHEE PASS	2E01	1370	05-Feb	95	221	90	185	282	364	122	245	51
WHATSHAN (UPPER)	2B05	1480	05-Feb	171	483	101			759	249	479	35
BARNES CREEK	2B06	1620	05-Feb	131	341	93	283	421	612	196	365	43
BARNES CREEK	2B06P	1620	01-Feb	N/A	353	93	304	371	566	195	378	18
ST. LEON CREEK	2B08	1800	05-Feb	299	924	105	756	715	1247	474	878	38
ST. LEON CREEK	2B08P	1800	01-Feb	N/A	773	102	615	607	1092	311	755	16
KOCH CREEK	2B07	1860	05-Feb	148	433	86		362	708	203	501	35
RECORD MOUNTAIN	2B09	1890	01-Feb	151	372	77	478	288	802	117	482	36
EAST CREEK	2D08P	2030	01-Feb	N/A	574	88	585	424	1012	274	654	30

EAST KOOTENAY Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
FERNIE EAST	2C07	1250	01-Feb	77	210	90	164	126	467	51	234	56
SULLIVAN MINE	2C04	1550	27-Jan	76	192	88	120	128	397	46	217	65
VERMILION RIVER NO.3	2C20	1612	31-Jan	90	194	91		192	363	130	214	14
WEASEL DIVIDE	MT02	1660			Not Sampled		434	414	858	185	528*	27
BANFIELD MOUNTAIN	MT05P	1710	01-Feb	114	288	91	191	279	475	160	314*	13
MOUNT JOFFRE	2C16	1750	31-Jan	118	278	105	219	188	439	96	265	37
MORRISSEY RIDGE	2C09Q	1800	01-Feb	N/A	525	106	383	334	886	172	495	27
MOYIE MOUNTAIN	2C10P	1930	01-Feb	92	326	122	219	274	499	104	267	30
HAWKINS LAKE	MT06P	1970	01-Feb	150	443	110	356	335	612	201	397*	13
ALLISON PASS	AL01	1980	28-Jan	106	303	99	234		521	133	307*	20
WILKINSON SUMMIT (BUSH)	AL03	1980	28-Jan	51	118	N/A	91				108	2
THUNDER CREEK	2C17	2010	31-Jan	73	195	101	173	142	335	69	193	37
FLOE LAKE	2C14	2090	31-Jan	176	491	90	487	431	811	239	548	39
FLOE LAKE	2C14P	2090	01-Feb	N/A	458	90	446	435	731	221	510	16
HIGHWOOD SUMMIT (BUSH)	AL02	2210	28-Jan	76	192	73	264	190	480	89	260*	31
MOUNT ASSINIBOINE	2C15	2230	31-Jan	122	310	83	330	272	592	140	375	38
SUNSHINE VILLAGE	AL05	2230	02-Feb	130	340	87	333	340	678	150	391*	25

WEST KOOTENAY Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
DUNCAN LAKE NO. 2	2D07A	650	28-Jan	23	186	139	94	162	283	60	134*	20
FERGUSON	2D02	880	01-Feb	142	454	108	433	303	616	237	420	39
NELSON	2D04	930	01-Feb	84	234	85	187	198	508	79	276	72
CHAR CREEK	2D06	1310	01-Feb	105	299	78	314	258	650	117	381	45
BUNCHGRASS MEADOW	WA01P	1520	01-Feb	152	415	84	434	368	719	259	486*	13
GRAY CREEK (LOWER)	2D05	1550	31-Jan	139	378	116	269	268	511	127	326	59
KOCH CREEK	2B07	1860	05-Feb	148	433	86		362	708	203	501	35
MOUNT TEMPLEMAN	2D09	1860	31-Jan	240	684	91	620		1115	409	748	37
GRAY CREEK (UPPER)	2D10	1910	31-Jan	195	575	109	453	391	792	268	527	38
EAST CREEK	2D08P	2030	01-Feb	N/A	574	88	585	424	1012	274	654	30
REDFISH CREEK	2D14P	2104	01-Feb	273	825	99	840	529	1024	529	837*	9

KETTLE Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
GOAT CREEK	WA04	1100	28-Jan	51	117	87	137	107	224	20	134*	49
FARRON	2B02A	1220	05-Feb	79	208	90	184	204	346	63	232	37
MONASHEE PASS	2E01	1370	05-Feb	95	221	90	185	282	364	122	245	51
SUMMIT G.S.	WA05	1400	28-Jan	74	175	116	188	142	244	41	151*	49
BIG WHITE MOUNTAIN	2E03	1680	31-Jan	112	276	81		232	483	178	339	45
GRANO CREEK	2E07P	1860	01-Feb	106	314	90	266	251	465	180	348*	13

OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
SUMMERLAND RESERVOIR	2F02	1280	27-Jan	72	181	104	148	130	307	65	174	46
MC CULLOCH	2F03	1280	31-Jan	56	136	109	99	113	196	63	125	74
ABERDEEN LAKE	1F01A	1310			Not Sampled		69	193	48	119		55
OYAMA LAKE	2F19	1340	01-Feb	45	88	68	86	113	193	31	129	42
POSTILL LAKE	2F07	1370	31-Jan	55	133	90	99	135	243	73	147	60
TROUT CREEK	2F01	1430	29-Jan	78	167	118		104	292	33	141	72
TROUT CREEK (WEST)	2F01A	1430	29-Jan	72	160	N/A	147	N/A	N/A	N/A	N/A	2
BRENDA MINE	2F18P	1460	01-Feb	N/A	243	92	230	162	368	148	264	29
ISLAHT LAKE	2F24	1480	27-Jan	82	204	87	200	134	364	124	235	29
GREYBACK RESERVOIR	2F08	1550			Not Sampled	173	165	269	60	160		40
ISINTOK LAKE	2F11	1680	28-Jan	45	103	77	102	90	307	26	133	45
MUTTON CREEK NO. 1	WA07	1740	28-Jan	71	203	82	272	91	480	43	245*	45
MISSION CREEK	2F05P	1780	01-Feb	N/A	269E	86	271	266	495	152	312	39
GRAYSTOKE LAKE	2F04	1810	01-Feb	70	190	83	200		324	128	229*	11
MOUNT KOBAL	2F12	1810	29-Jan	71	164	82	242	121	373	43	201	44
WHITEROCKS MOUNTAIN	2F09	1830	29-Jan	120	359	90		218	693	135	399	39
SILVER STAR MOUNTAIN	2F10	1840	30-Jan	161	527	104	466	448	721	229	507	52

SIMILKAMEEN Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
FREEZEOUT CREEK TRAIL	WA11	1070	30-Jan	69	180	81	152	251	462	13	223*	40
HAMILTON HILL	2G06	1490	29-Jan	65	143	55	158	108	411	91	258	47
MISSEZULA MOUNTAIN	2G05	1550	29-Jan	66	143	82	110	65	284	60	174	44
ISINTOK LAKE	2F11	1680	28-Jan	45	103	77	102	90	307	26	133	45
LOST HORSE MOUNTAIN	2G04	1920	01-Feb	44	144	87	122		335	70	165	49
BLACKWALL PEAK	2G03P	1940	01-Feb	176	538	90	525	454	1076	159	595	43
HARTS PASS	WA09	1980	31-Jan	218	767	98	739	518	1328	246	776*	55
HARTS PASS	WA09P	1980	01-Feb	203	834	123	597	544	1005P	305	668*	13

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE 3A09P	880	01-Feb	N/A	738	N/A	284		790	132		
CALLAGHAN CREEK 3A20	1040	31-Jan	178	670	116		302	1040	50	577	28
DOG MOUNTAIN 3A10	1080	27-Jan	183	754	103	506	717	1243	206	731	27
GROUSE MOUNTAIN 3A01	1100	03-Feb	206	870	114	564	726	1530Z	50	762	61
ORCHID LAKE 3A19	1190	27-Jan	303	1246	109	1160	675	1855	408	1141	31
ORCHID LAKE 3A19P	1190	01-Feb	292	1092	90	941	597	1859	396	1215*	22
UPPER SQUAMISH RIVER 3A25P	1340	01-Feb	355	1368	133	1151	671	1510	555	1025	19
NOSTETUKO RIVER 3A22P	1500	01-Feb	N/A	492	120	439		780	120	406*	20
UPPER MOSELY CREEK 3A24P	1650	01-Feb	73	253	110	294	221	509	101	229*	22

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER 3B04	270	01-Feb	37	141	147	0	183	544	0	96	51
WOLF RIVER (LOWER) 3B19	640	01-Feb	117	444	179	244	174	572	0	248	38
WOLF RIVER (MIDDLE) 3B18	1070	01-Feb	149	622	155	440	176	742	0	401	39
FORBIDDEN PLATEAU 3B01	1130	01-Feb	284	1337	140	995	433	1640	42	955	55
JUMP CREEK 3B23P	1160	01-Feb	159	713	100	425	458	1331	8	710	15
WOLF RIVER (UPPER) 3B17P	1490	01-Feb	N/A	1189	135	985	411	1371	162	881	21

NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE 1B02	1300	28-Jan	247	833	101	960	789	1345	508A	821	56
TAHTSA LAKE 1B02P	1300	01-Feb	N/A	N/A	N/A	957	884	1530	613	903	17
BURNT BRIDGE CREEK 3C08P	1330	01-Feb	N/A	487	82	562	800A	1024	240	596*	13

SKAGIT Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
SUMALLO RIVER WEST	3D01C	790	01-Feb	51	147	61	72	133	368	0	242	17
FREEZEOUT CREEK TRAIL	WA11	1070	30-Jan	69	180	81	152	251	462	13	223*	40
BEAVER PASS	WA12	1120	01-Feb	130	460	91	462	432	922	36	510*	42
KLESILKWA	3D03A	1130	01-Feb	45	120	47	84	250	508	0	257	54
HARTS PASS	WA09	1980	31-Jan	218	767	98	739	518	1328	246	781*	55
HARTS PASS	WA09P	1980	01-Feb	203	834	123	597	544	1005P	305	668*	13

PEACE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FORT ST. JOHN A	4A25	690	01-Feb	48	71	85		56	134	0	57	34
PACIFIC LAKE	1A11	770	30-Jan	150	440	98	425	489	679	179	451	43
WARE (LOWER)	4A04	980	28-Jan	64	110	81	113	182	286	63	135	42
PHILIP LAKE	4A13	980	27-Jan	83	197	98	169	219	355	118	202	44
AIKEN LAKE	4A30P	1040	01-Feb	N/A	189	96	135	218	330	116	197	24
TUTIZZI LAKE	4A06	1070	27-Jan	97	183	98	136	199	348	109	186	42
TSAYDAYCHI LAKE	4A12	1160	27-Jan	123	294	107	248	258	507	146	276	43
KAZA LAKE	1A12	1190	27-Jan	117	243	102	145	298	440	125	239	40
PULPIT LAKE	4A09	1310	28-Jan	127	282	95	224	430	530	190	298	39
PULPIT LAKE	4A09P	1310	01-Feb	N/A	313	101	256	463	463	232	310	20
FREDRICKSON LAKE	4A10	1310	27-Jan	81	142	79	114	200	309	110	179	42
PINE PASS	4A02P	1400	01-Feb	N/A	623	84	675	776	1241	469	745	19
TRYGVE LAKE	4A11	1400	28-Jan	108	215	83	201	322	434	183	258	40
SIKANNI LAKE	4C01	1400	28-Jan	90	158	85	132	240	325	81	185	41
PINE PASS	4A02	1430	29-Jan	252	779A	96	804	915	1194	411	804	39
MORFEE MOUNTAIN	4A16	1450	29-Jan	191	570	95	510	579	952	323	599	42
LADY LAURIER LAKE	4A07	1460	29-Jan	145	357	100	353	390	635	226	357	39
MOUNT SHEBA	4A18	1490	30-Jan	198	560	98	603	590	932	299	570	41
GERMANSEN (UPPER)	4A05	1500	27-Jan	114	263	110	221	244	371	140	239	42
MOUNT STEARNS	4A21	1500	28-Jan	62	105	104	90	116	196	40	101	36
JOHANSON LAKE	4B02	1540	27-Jan	94	183	88	144	234	355	115	208	40
MONKMAN CREEK	4A20	1550	30-Jan	153	412	101	414	378	775	163	409	32
WARE (UPPER)	4A03	1570	28-Jan	84	160	88	143	204	289	108	182	40
KWADACHA RIVER	4A27P	1620	01-Feb	N/A	193	83	191	289	371	139	237*	25

LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
FORT NELSON A	4C05	380	31-Jan	38	65	81		111	128	35	80	44
DEASE LAKE	4C03	820	31-Jan	56	97	92		137	202	36	106	46
JADE CITY	4C15	940	26-Jan	70	144	92		228	228	102	165	9
SIKANNI LAKE	4C01	1400	28-Jan	90	158	85	132	240	325	81	185	41

SKEENA/NASS Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TERRACE A	4B13A	180	01-Feb	56	184	123		112	274	0	150	31
BEAR PASS	4B11A	460	01-Feb	118	417	83	300		821	192	505	25
NINGUNSAW PASS	4B10	690	03-Feb	104	282	88			603	171	319	33
CEDAR-KITEEN	4B18P	885	01-Feb	N/A	N/A	N/A	256	786	786	256	464*	9
TACHEK CREEK	4B06	1140	03-Feb	75	172	108	159	173	298	99	160	14
KAZA LAKE	1A12	1190	27-Jan	117	243	102	145	298	440	125	239	40
LU LAKE	4B15P	1310	01-Feb	N/A	224E	117	192	231	353	94	192*	12
TSAI CREEK	4B17P	1360	01-Feb	211	846	105	835	907	1227	619	803*	13
KIDPRICE LAKE	4B01	1370	30-Jan	202	681	107	712	840	1106	420	638	53
TRYGVE LAKE	4A11	1400	28-Jan	108	215	83	201	322	434	183	258	40
HUDSON BAY MTN.	4B03A	1480	01-Feb	136	359	95	346	385	665	221	379	39
SHEDIN CREEK	4B16P	1480	01-Feb	189	564	92	436	760	760	436	614*	14
JOHANSON LAKE	4B02	1540	27-Jan	94	183	88	144	234	355	115	208	40

STIKINE/TAKU Drainage Basin

		Elev. metres	Date of Survey	Feb 2011			Historic, Water Equivalent (mm)					Yrs of Record	
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
Snow Course Name and Number													
NINGUNSAW PASS		4B10	690	03-Feb	104	282	88			603	171	319	33
DEASE LAKE		4C03	820	31-Jan	56	97	92		137	202	36	106	46
ISKUT		4D02	1000	03-Feb	47	101	116			162	30	87	34

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

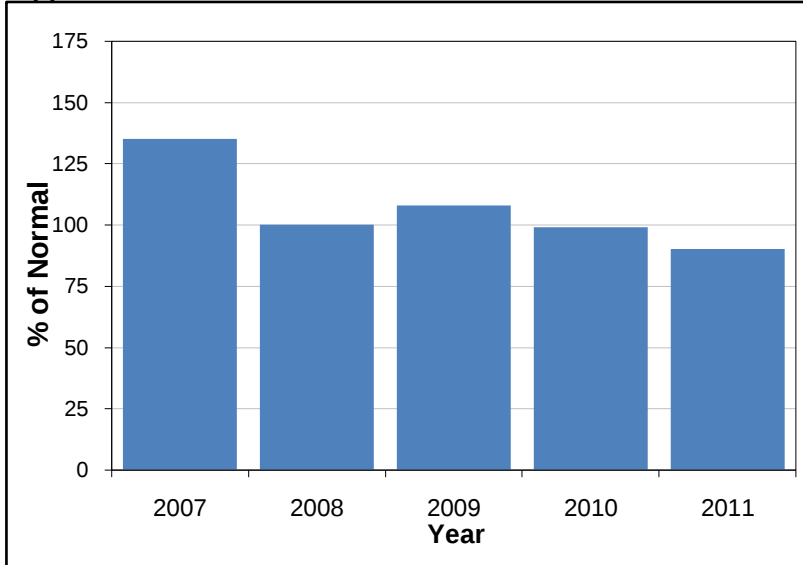
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

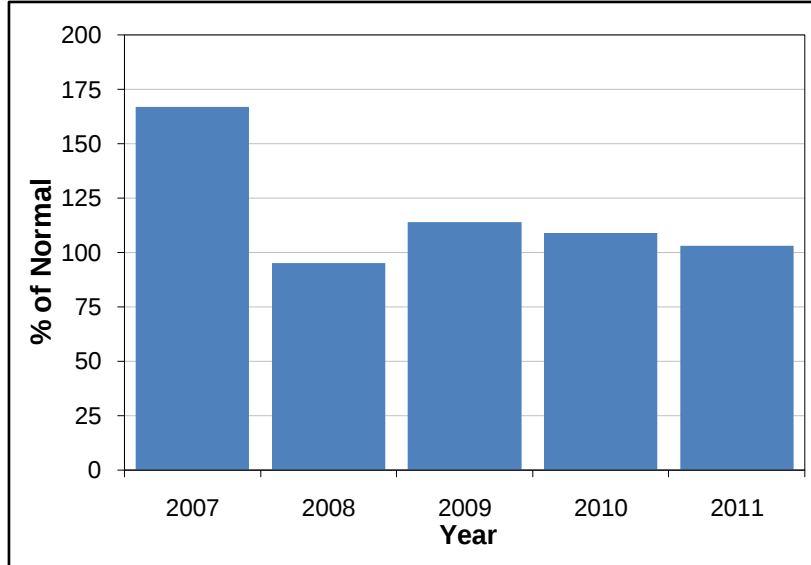
* - PERIOD OF RECORD AVERAGE

Snow Basin Index Graphs - February 1, 2011

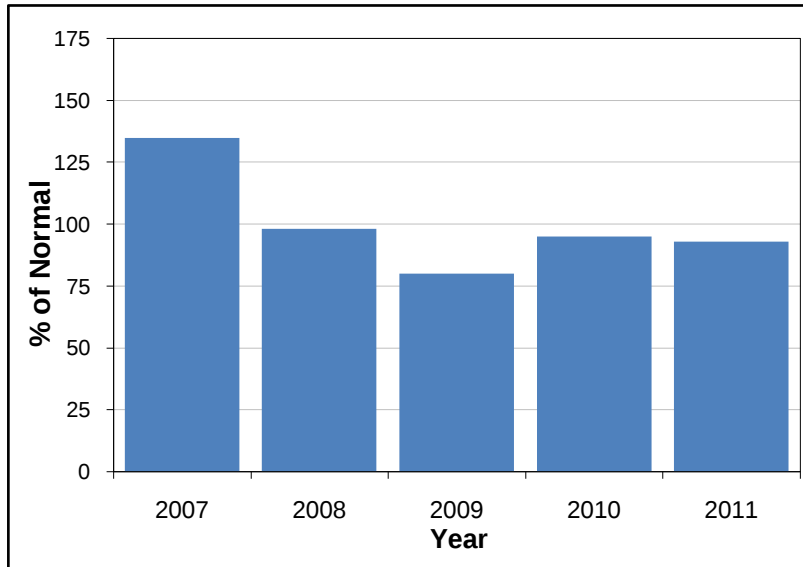
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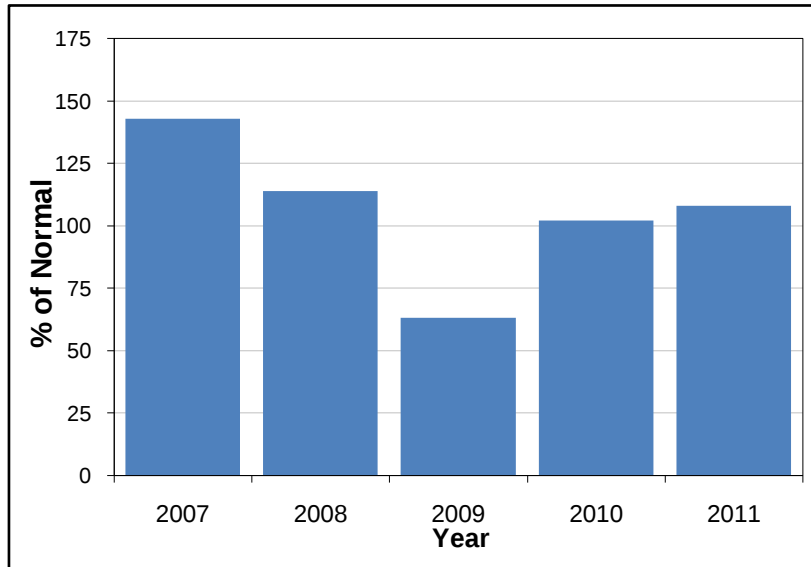
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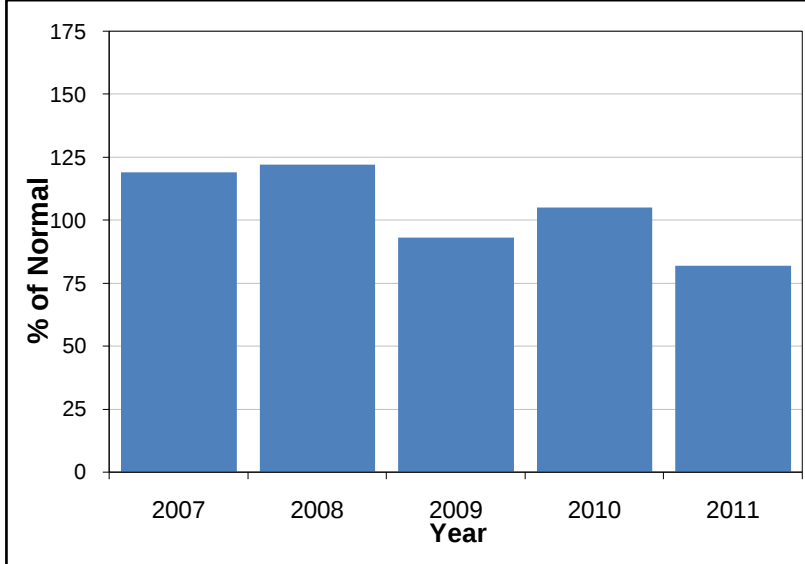
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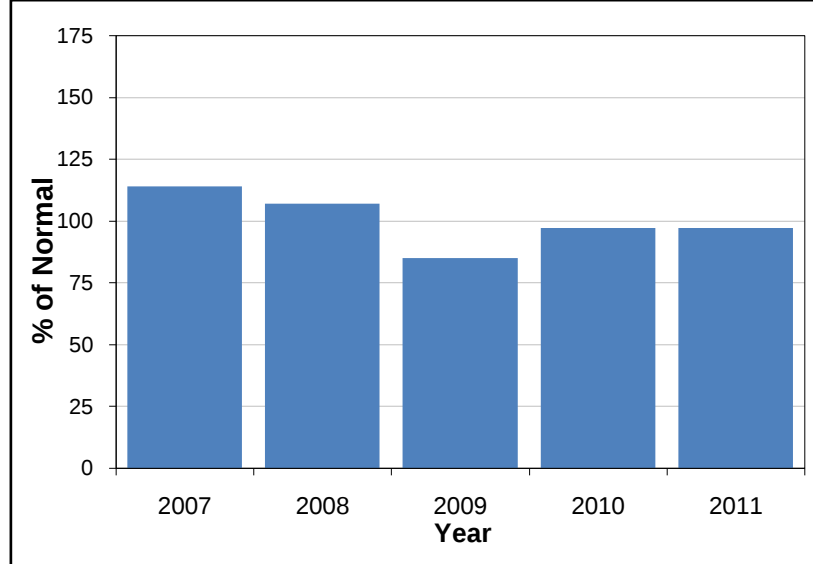
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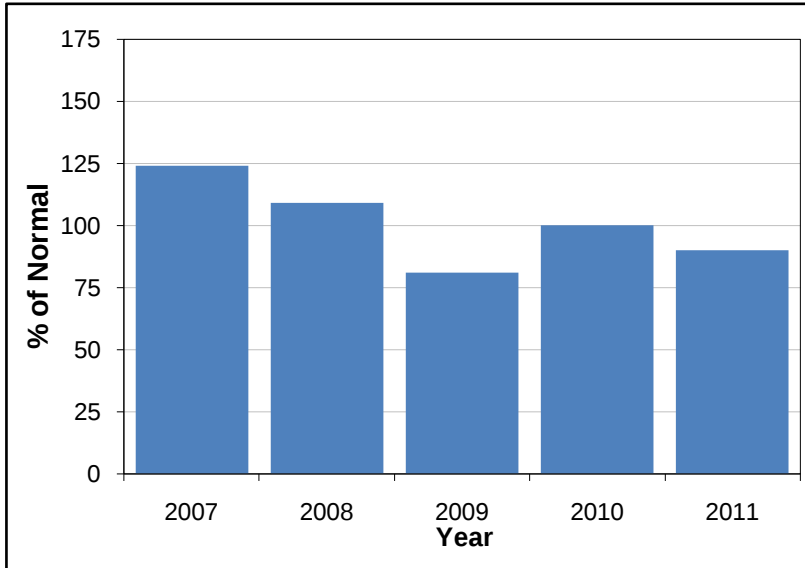
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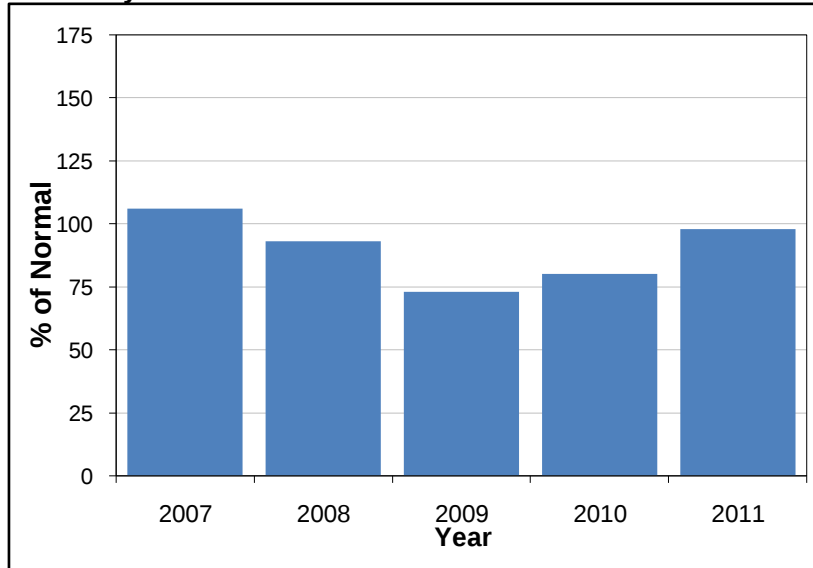
South Thompson



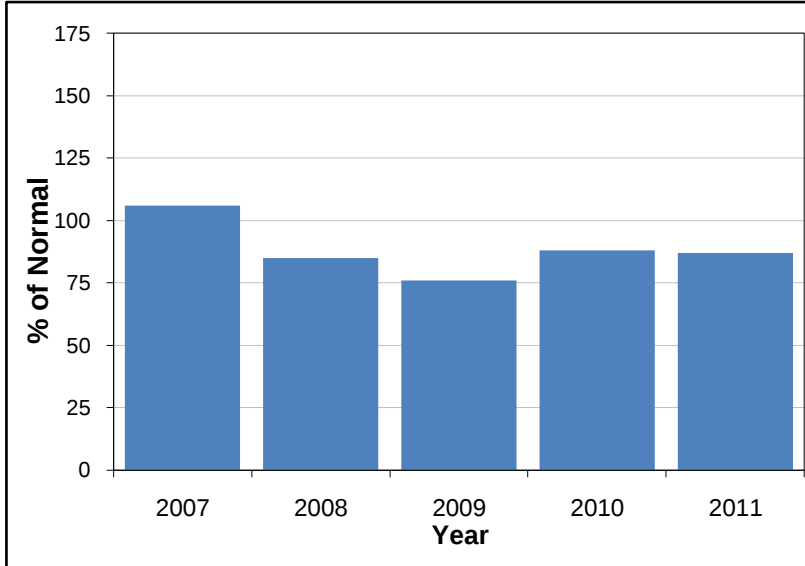
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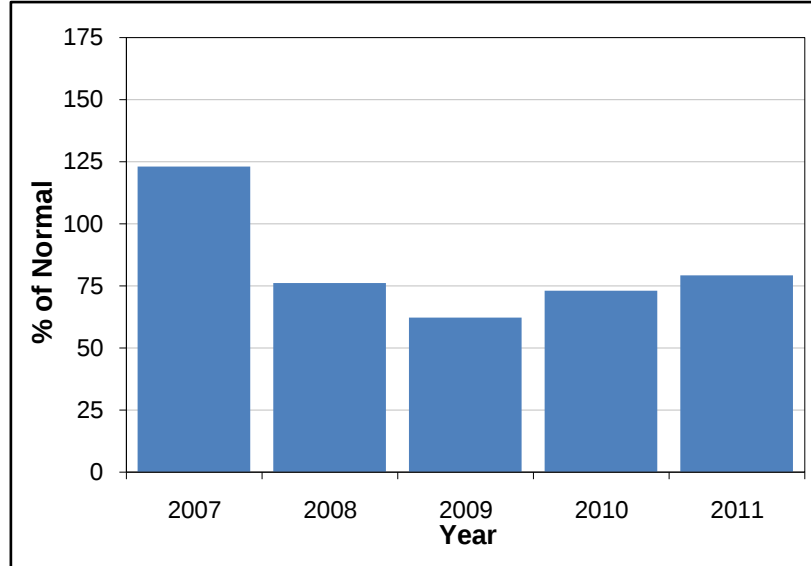
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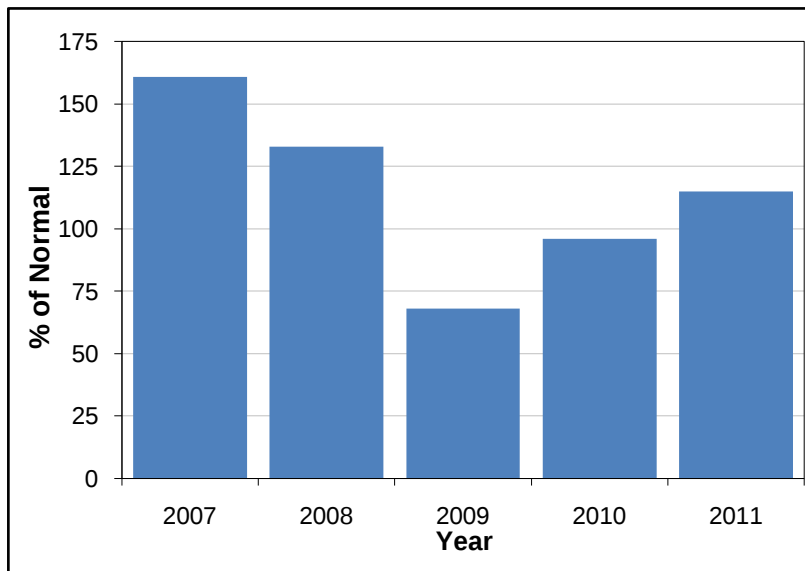
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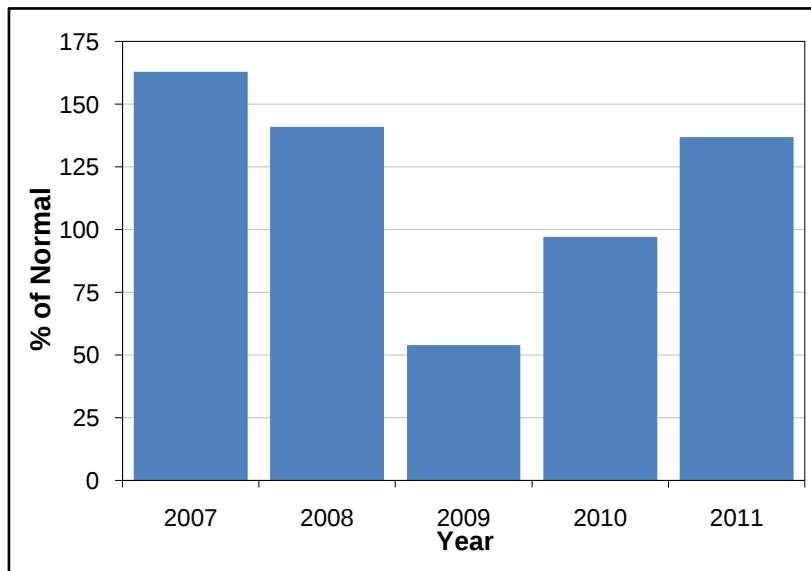
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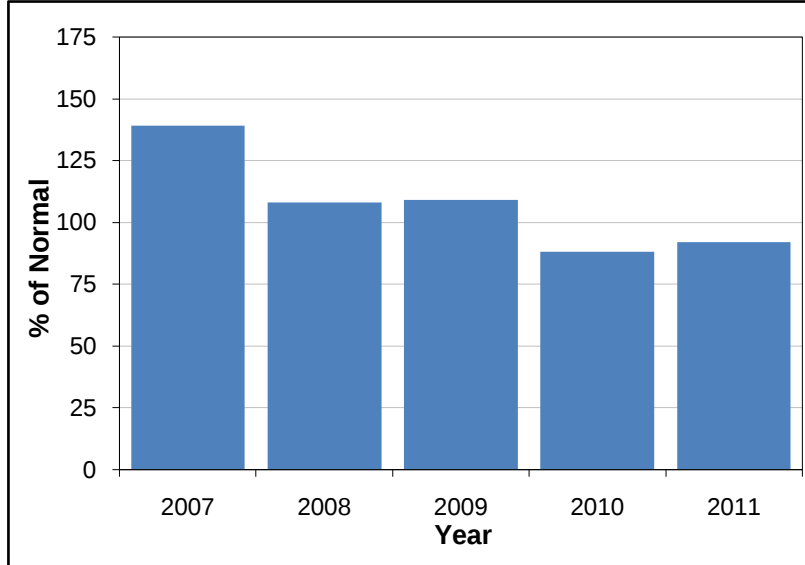
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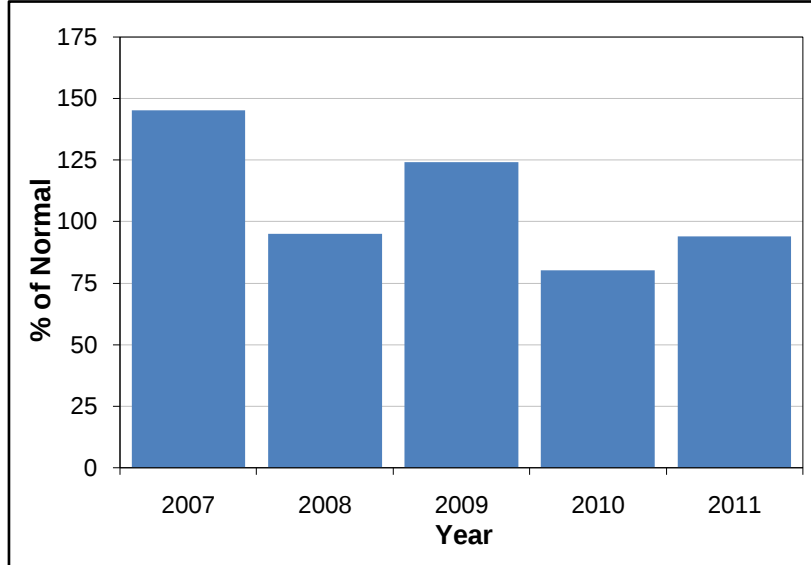
Vancouver Island



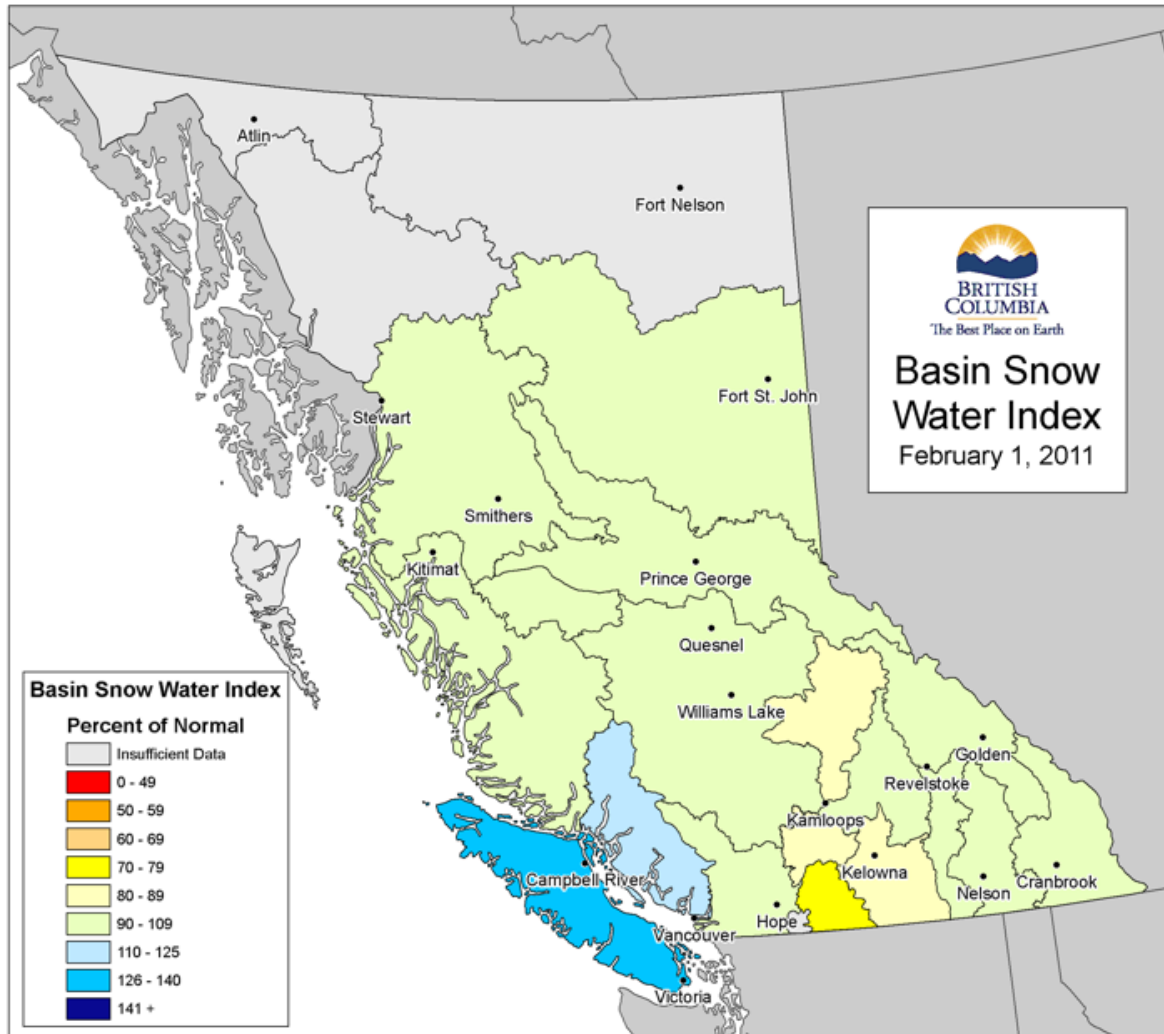
Peace



Skeena-Nass



Snow Survey and Water Supply Bulletin – February 1, 2011



Snow Survey and Water Supply Bulletin – March 1, 2011

The March 1 snow survey is now complete. Data from 149 snow courses and 52 snow pillows around the province, with 4 out-of-province sampling locations and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

Weather patterns in March have typically been a mix of Pacific frontal systems delivering moisture to British Columbia battling with cold air masses moving down from the north. As a result, the weather has been cold and moist. Precipitation in March was above average for most areas of British Columbia. Weather patterns are consistent with the moderate-strong La Niña cycle currently being observed.

Snowpack

Basin snow water indices for BC at March 1 vary from a low of 88% of normal in the North Thompson and Okanagan-Kettle basins to a high of 129% of normal on Vancouver Island. Indices have increased slightly for most basins in the province since February, most notably the Upper Fraser, Middle Fraser, Lower Fraser, North Thompson, Nicola, Similkameen, South Coast, Peace and Skeena-Nass. Indices have remained about the same since last month in the South Thompson, Columbia, Okanagan-Kettle and Kootenay, and have decreased in the Nechako and Vancouver Island. Snow water equivalency (SWE) within basins is variable. A wide range of values of SWE is observed particularly in the Upper, Middle and Lower Fraser, and West Kootenay, with a number of proportionally high snow water equivalency measurements being observed at individual snow measurement sites.

BC Snow Basin Indices – March 1, 2011

Basin	% of Normal	Basin	% of Normal
Upper Fraser	105%	Kootenay	99%
Nechako	100%	Okanagan-Kettle	88%
Middle Fraser	105%	Similkameen	92%
Lower Fraser	120%	South Coast	121%
North Thompson	88%	Vancouver Island	129%
South Thompson	95%	Peace	97%
Nicola	93%	Skeena-Nass	97%
Columbia	90%		

Outlook

By this date, about 80% of the annual peak BC snowpack has accumulated. In general, the snowpack as of March 1st is at normal levels throughout the province, and does not indicate extraordinary conditions for potential flood or drought risk. Above normal snow packs exist in the Lower Fraser, South Coast and Vancouver Island, however high snow packs are not generally associated extreme spring peak flows in these regions. High snow basin indices in the South Coast and Vancouver Island regions should allow for sustained flows through the

1. 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 upon review.

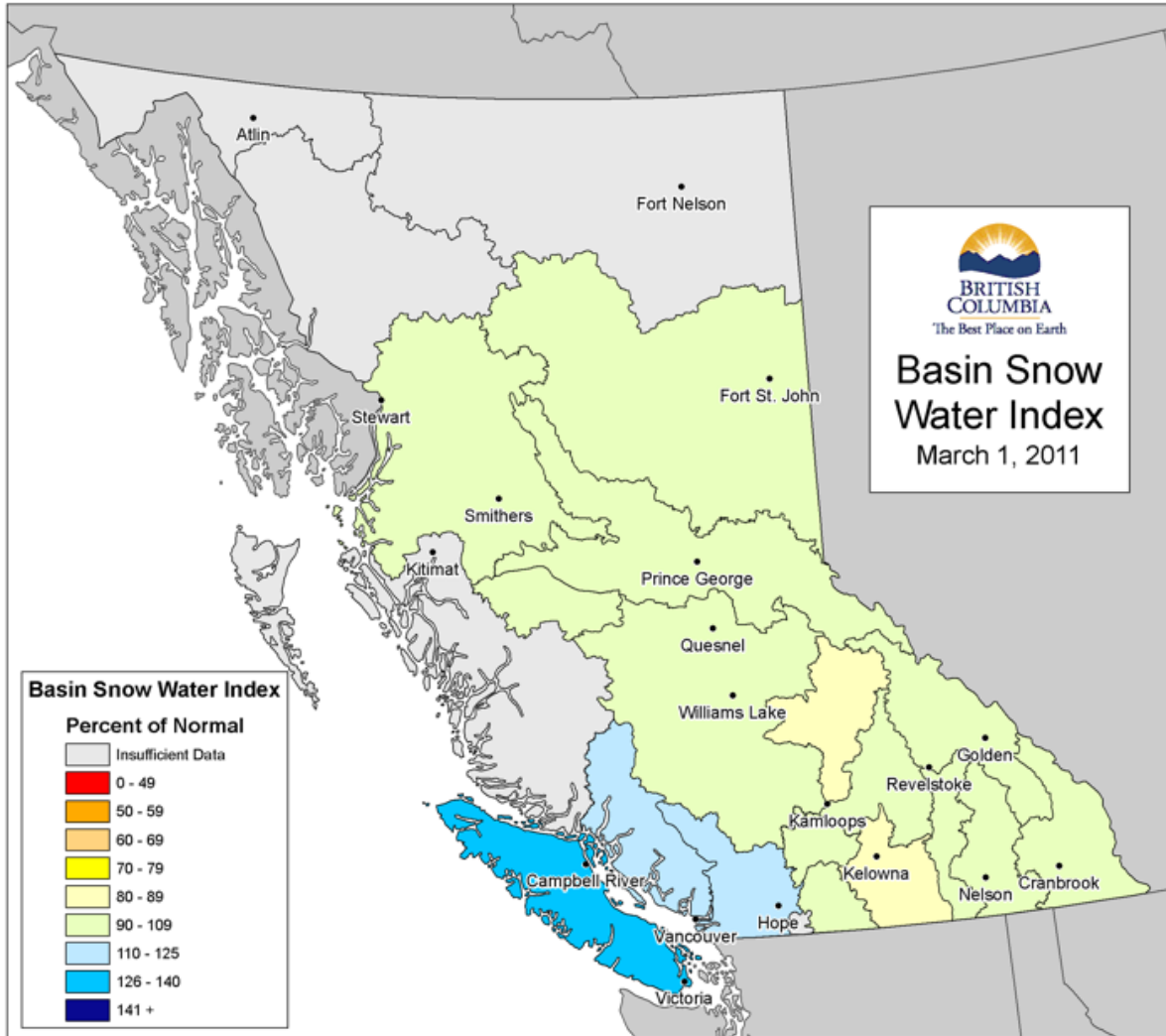


Snow Survey and Water Supply Bulletin – March 1, 2011

summer period, and decrease the risk of extreme low flow conditions in the late summer. Increases in snow pack in north-eastern BC, Skeena-Bulkley, and Middle Fraser over the past month are beneficial for replenishing diminished groundwater, lake and reservoir storage in the regions after extremely dry conditions last summer.

A mature La Niña cycle is currently present in the equatorial Pacific Ocean, and the National Oceanic and Atmospheric Administration (NOAA) are commenting that La Niña conditions are as likely as not to persist into the late spring. The persistence of La Niña conditions into the spring period may affect the continued accumulation and melt of the snow pack through the freshet period. Seasonal forecasts from Environment Canada are suggesting that cool and wet conditions are likely through the spring, which is indicative of normal La Niña effects. This may lead to continued increases in snow accumulation through the remainder of the accumulation season and delayed timing of the onset of freshet.

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UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
HANSARD 1A06A	610	24-Feb	102	274	140	126	243	396	44	196	38
PRINCE GEORGE A 1A10	690	24-Feb	71	163	120	108	162	296	0	136	49
PACIFIC LAKE 1A11	770	01-Mar	206	582	102	487	728	832	277	569	48
BURNS LAKE 1A16	800	02-Mar	71	140	98	98	148	250	60	143	39
CANOE RIVER 2A01A	910	23-Feb	67	150	133	102A	110	251	19	113	70
PHILIP LAKE 4A13	980	02-Mar	99	245	97	200	229	400	138	252	47
HEDRICK LAKE 1A14	1100	01-Mar	223	764	124	509	793	954	327	618	43
HEDRICK LAKE 1A14P	1100	01-Mar	239	817	125	614	844	919	386	656*	11
BIRD CREEK 1A23	1180	01-Mar	72	154	118	118	148	232	72	131*	21
KAZA LAKE 1A12	1190	02-Mar	114	297	100	187	343	478	186	297	45
LU LAKE 4B15	1300	25-Feb	98	258	96	240	272	412	122	269	32
LU LAKE 4B15P	1310	01-Mar	75	262	97	218	263	402	116	269	12
EQUITY MINE 4B14	1420	25-Feb	116	338	96	324	386	546	190	351	33
MOUNT SHEBA 4A18	1490	01-Mar	265	884	124	684	808	1123	394	715	40
BARKERVILLE 1A03P	1520	01-Mar	147	335	105	246	300	479	150A	319	32
MC BRIDE (UPPER) 1A02	1580	25-Feb	146	423	117	379	333	594	169	361	57
KNUDSEN LAKE 1A15	1580	01-Mar	225	760	105	548	840	1098	404	722	40
MCBRIDE (UPPER) 1A02P	1620	01-Mar	159	401	107	365	360	525	259	375*	5
REVOLUTION CREEK 1A17P	1690	01-Mar	242	692	99	582	763	1119	336	696	25
LONGWORTH (UPPER) 1A05	1740			Not Sampled		654	794	1104	307	674	52
DOMM MOUNTAIN 1A19	1820	25-Feb	208	687	106	541	646	981	318	650	37
DOMM MOUNTAIN 1A19P	1820	01-Mar	205	642	100	465	630	859	450	643*	5
MARMOT JASPER AL12	1830			Not Sampled		251	160	314	91	193*	27
YELLOWHEAD 1A01P	1860	01-Mar	N/A	418	84	509	379	720	266	499	14

NECHAKO Drainage Basin

		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
SKINS LAKE	1B05	880	28-Feb	61	119	103	109	86	226	54	115	47
TAHTSA LAKE	1B02	1300	03-Mar	322	1102	108	991	960	1504	571	1025	59
TAHTSA LAKE	1B02P	1300	01-Mar	N/A	1166	108	1085	1027	1719	661	1084	17
KIDPRICE LAKE	4B01	1370	01-Mar	225	794	99	767	954	1252	429	802	58
MOUNT PONDOSY	1B08P	1400	01-Mar	N/A	578	81	616	539	994	360	710	18
MOUNT WELLS	1B01	1490	03-Mar	158	438	94	414	513	886	244	464	58
MOUNT WELLS	1B01P	1490	01-Mar	N/A	461	93	426	616	738	244	495	18
NUTLI LAKE	1B07	1490	01-Mar	141	433	94	460	467	717	229	462*	20
MOUNT SWANNELL	1B06	1620	01-Mar	108	265	104	239	334	446	132	254*	22

MIDDLE FRASER Drainage Basin

		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
PUNTZI MOUNTAIN	1C22	940	28-Feb	47	88	140	64	50	128	0	63	40
BROOKMERE	1C01	980	27-Feb	71	179	92	109	64	351	53	194	66
NAZKO	1C08	1070	24-Feb	55	124	155	62	98	155	0	80	34
BIG CREEK	1C21	1140	26-Feb	29	60	109	32	66	112	0	55	39
GRANITE MOUNTAIN	1C33A	1150	24-Feb	80	188	115	136	196	254	87	164	18
DUFFEY LAKE	1C28	1200	27-Feb	184	562	122	422	334	762	194	459	32
PAVILION	1C06	1230	28-Feb	39	71	100		47	168	0	71	54
BRIDGE GLACIER (LOWER)	1C39	1400	25-Feb	178	554	110	714	146	954	146	502*	16
DEADMAN RIVER	1C32	1430	28-Feb	70	220	210	50	120	191	44	105	27
BRALORNE	1C14	1450	25-Feb	60	161	95	165	67	363	0	169	47
SHOVELNOSE MOUNTAIN	1C29	1450	26-Feb	85	223	88	197	117	398	100	253	30
BOSS MOUNTAIN MINE	1C20P	1460	01-Mar	N/A	465	91	464	473	735	308	511	17
LAC LE JEUNE (UPPER)	1C25	1460	01-Mar	66	134	100	115	80	213	13A	134	38
BRENDA MINE	2F18	1460	01-Mar	108	239	83	256	160	495	130	287	42
BRENDA MINE	2F18P	1460	01-Mar	N/A	310	91	286E	198	431	184	342	18
HIGHLAND VALLEY	1C09A	1510	03-Mar	59	123	138	88	68	229	25A	89	45
BARKERVILLE	1A03P	1520	01-Mar	147	335	105	246	300	479	150A	319	32
HORSEFLY MOUNTAIN	1C13A	1550	01-Mar	170	500	120	392	504	624	238	418	38
GNAWED MOUNTAIN	1C19	1580	02-Mar	70	150	135	128	62	259	15	111	43
MOUNT TIMOTHY	1C17	1660	04-Mar	115	330	116	254	305	468	141	285	48
YANKS PEAK EAST	1C41P	1670	01-Mar	223	764	109	564	777	900	398	700	14
PENFOLD CREEK	1C23	1680	25-Feb	243	833	101	793	766	1132	453	828	35
GREEN MOUNTAIN	1C12P	1780	01-Mar	N/A	729	94	988	311	1259	311	754	17
MCGILLIVRAY PASS	1C05	1800	25-Feb	149	480	92	588	260	1016	222	522	59
MISSION RIDGE	1C18P	1850	01-Mar	N/A	479	93	436	282	866	269	515	24
DOWNTON LAKE (UPPER)	1C38	1890	25-Feb	205	720	95	946	302	1250	302	755	16
TYAUGHTON CREEK (NORTH)	1C40	1950	25-Feb	134	414	113	570	180	916	180	368	16
BRALORNE(UPPER)	1C37	1980	25-Feb	169	580	92	624	268	944	268	631	16

LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	06-Mar	114	276	102	7	193	442	7	271	19
BROOKMERE	1C01	980	27-Feb	71	179	92	109	64	351	53	194	66
DISAPPOINTMENT LAKE	1D18P	1040	01-Mar	N/A	1566	139	881		1746	300P	1123*	9
CALLAGHAN CREEK	3A20	1040	27-Feb	277	948	123	740	440	1260	200	770	33
DICKSON LAKE	1D16	1070			Not Sampled	842	910	1814	322	1263		18
DOG MOUNTAIN	3A10	1080	01-Mar	288	1168	115	538	843	2146Z	256	1016	27
BEAVER PASS	WA12	1120			Not Sampled	467	465	1298	30	646*		62
KLESILKWA	3D03A	1130	06-Mar	97	222	75	47		759	0	296	58
SPUZZUM CREEK	1D19P	1180	01-Mar	357	1255	105	1054	713	1909	341	1200*	11
DUFFEY LAKE	1C28	1200	27-Feb	184	562	122	422	334	762	194	459	32
STAVE LAKE	1D08	1210	06-Mar	467	1825	142	1060	731	2500A	304	1285	43
WAHLEACH LAKE	1D09	1400			Not Sampled	351	333	1072	86	528		44
WAHLEACH LAKE	1D09P	1400	01-Mar	N/A	777	81	664	558	1213	451	955	18
NAHATLATCH RIVER	1D10	1520	06-Mar	354	1497	125	1320	585	2380A	400	1194	42
EASY PASS	WA13	1580			Not Sampled		889	2913	478	1638*		40
CHILLIWACK RIVER	1D17P	1600	01-Mar	369	1438	125	1095	994	1703	506	1153*	17
TENQUILLE LAKE	1D06P	1680	01-Mar	285	1059	135	1023	484	1227	484	782*	10

NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670	24-Feb	118	348	120	241	328	411	179	290	28
KNOUFF LAKE	1E05	1200	24-Feb	49	108	81	82	125	284	36	133	52
BOSS MOUNTAIN MINE	1C20P	1460	01-Mar	N/A	465	91	464	473	735	308	511	17
MOUNT COOK	1E02P	1550	01-Mar	321	852	87	1046	919	1324	680	981*	10
AZURE RIVER	1E08P	1620	01-Mar	229	893	91	969	743	1335	548	980	14
ADAMS RIVER	1E07	1720	25-Feb	161	527	92	608	490	892	262	575	40
KOSTAL LAKE	1E10P	1770	01-Mar	238	711	97	633	716	1019	477	733	26
TROPHY MOUNTAIN	1E03A	1860	25-Feb	138	422	93	433	470	778	216	453	36

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ANGLEMONT	1F02	1190	26-Feb	102	338	100	198	301	635	160	337	54
ABERDEEN LAKE	1F01A	1310			Not Sampled				231	51	145	57
MONASHEE PASS	2E01	1370	04-Mar	110	293	96	201	315	442	149	306	51
BOULEAU LAKE	2F21	1400	27-Feb	85	208	71	190	166	432A	165	295	40
CELISTA	1F06P	1500	01-Mar	219	681	87	769	589	923	589	782*	6
ADAMS RIVER	1E07	1720	25-Feb	161	527	92	608	490	892	262	575	40
KIRBYVILLE LAKE	2A25	1750	24-Feb	255	900	91	1014	820	1476	526	986	37
SILVER STAR MOUNTAIN	2F10	1840	27-Feb	187	614	97	562	502	912	347	636	52
PARK MOUNTAIN	1F03P	1890	01-Mar	213	690	93	613	679	1021	383	739	26
ENDERBY	1F04	1900			Not Sampled			701	1200	440	859	47

UPPER COLUMBIA Drainage Basin

		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
CANOE RIVER	2A01A	910	23-Feb	67	150	133	102A	110	251	19	113	70
DOWNIE SLIDE (LOWER)	2A27	980	24-Feb	205	670	106		532	1018	378	631	30
GLACIER	2A02	1250	26-Feb	192	586	93	473	550	952	251	631	71
FIELD	2A03A	1280	01-Mar	78	203	125	90	140	248	53	162	71
SUNWAPTA FALLS	AL11	1400			Not Sampled		176	137	277	79	166*	39
VERMONT CREEK	2A19	1520	25-Feb	132	415	104	305	218	643	152	400	44
AZURE RIVER	1E08P	1620	01-Mar	229	893	91	969	743	1335	548	980	14
DOWNIE SLIDE (UPPER)	2A29	1630	24-Feb	274	950	83	1214	846	2120	614	1139	31
KICKING HORSE	2A07	1650	02-Mar	117	302	98	228	214	462	140	308	64
KIRBYVILLE LAKE	2A25	1750	24-Feb	255	900	91	1014	820	1476	526	986	37
MOUNT REVELSTOKE	2A06P	1830	01-Mar	N/A	833	82	821	773	1487	537	1014	16
FIDELITY MOUNTAIN	2A17	1870	26-Feb	284	1061	98	979	966	1703	534	1081	48
BEAVERFOOT	2A11	1890	25-Feb	75	202	105	124	122	333	80A	192	49
KEYSTONE CREEK	2A18	1890	24-Feb	204	663	95	707	488	1277	357	696	42
GOLDSTREAM	2A16	1920	24-Feb	274	950	98	879	832	1351	553	968	47
BUSH RIVER	2A23	1920	24-Feb	200	680	94	724	416	1078	281	727	43
NIGEL CREEK	AL10	1920			Not Sampled		336	277	655	135	358*	39
MOUNT ABBOT	2A14	1980	23-Feb	294	992	94	900	816	1448	508	1051	51
MOLSON CREEK	2A21P	1980	01-Mar	N/A	750	87	893	724	1215	437	865	27
SUNBEAM LAKE	2A22	2010	24-Feb	234	805	103	788	655	1117	389	780	42
MIRROR LAKE	AL06	2030			Not Sampled		203	181	483	122	251*	44
BOW SUMMIT II	AL07A	2080			Not Sampled		265	230	533	124	315*	31

LOWER COLUMBIA Drainage Basin

		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
FERGUSON	2D02	880	01-Mar	169	600	111	441	397	796	283	539	59
BAIRD	WA02	980			Not Sampled		124		368	0	184*	51
FARRON	2B02A	1220	24-Feb	95	248	84	223		450	79	295	36
MONASHEE PASS	2E01	1370	04-Mar	110	293	96	201	315	442	149	306	51
WHATSHAN (UPPER)	2B05	1480	04-Mar	187	599	98	421	509	918	285	611	48
BARNES CREEK	2B06	1620	04-Mar	153	444	99	307	451	634	251	447	49
BARNES CREEK	2B06P	1620	01-Mar	N/A	446	101	341	461	682	229	440	17
ST. LEON CREEK	2B08	1800			Not Sampled		814	820	1621	500	1098	41
ST. LEON CREEK	2B08P	1800	01-Mar	N/A	975	100	701	720	1392	416	974	17
KOCH CREEK	2B07	1860	04-Mar	191	562	90	605	411	996	269	625	45
RECORD MOUNTAIN	2B09	1890	04-Mar	184	444	71	564	356	1136	147	628	35
EAST CREEK	2D08P	2030	01-Mar	N/A	754	95	615	503	1167	312	790	30

EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
KISHENEHN	MT01	1190			Not Sampled		84		399	36	209*	64
FERNIE EAST	2C07	1250	01-Mar	122	287	92	152	197	584	61	313	60
SINCLAIR PASS	2C01	1370			Not Sampled		44		262	48	126	64
BRUSH CREEK TIMBER	MT03	1520			Not Sampled		157	292	432	86	222*	56
SULLIVAN MINE	2C04	1550	24-Feb	95	239	89	134	166	465	53	268	65
VERMILION RIVER NO.3	2C20	1612	02-Mar	104	260	95		202	493	142	274	16
WEASEL DIVIDE	MT02	1660			Not Sampled		518	556	1257	254	724*	52
KIMBERLEY (MIDDLE) VOR	2C12	1680			Not Sampled		129	155	386	97	242	41
BANFIELD MOUNTAIN	MT05P	1710	01-Mar	178	407	110	209		663	188	371*	12
MOUNT JOFFRE	2C16	1750	25-Feb	120	370	112	219	227	551	122	329	39
MORRISSEY RIDGE	2C09Q	1800	01-Mar	N/A	578	93	401	412	1074	232	620	27
MORRISSEY RIDGE	2C09A	1800	03-Mar	222	548	94			959	373	586	14
MOYIE MOUNTAIN	2C10P	1930	01-Mar	N/A	387E	114	245	312	653	149	338	31
HAWKINS LAKE	MT06P	1970	01-Mar	244	661	130	389		881	254	507*	12
ALLISON PASS	AL01	1980			Not Sampled		252	259	625	189	382*	28
WILKINSON SUMMIT (BUSH)	AL03	1980			Not Sampled		94	114	307	62	165*	18
THUNDER CREEK	2C17	2010	25-Feb	85	236	99	181	152	378	91	239	40
FLOE LAKE	2C14	2090	25-Feb	190	619	93	543	521	993	279	665	41
FLOE LAKE	2C14P	2090	01-Mar	N/A	626	102	473	499	889	254	614	16
KIMBERLEY (UPPER) VOR	2C11	2140			Not Sampled		303	223	696	152	390	42
HIGHWOOD SUMMIT (BUSH)	AL02	2210			Not Sampled		285	226	455	145	315*	32
MOUNT ASSINIBOINE	2C15	2230	25-Feb	136	393	87	358	321	680	185	454	41
SUNSHINE VILLAGE	AL05	2230			Not Sampled		362	408	770	211	484*	40

WEST KOOTENAY Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DUNCAN LAKE NO. 2	2D07A	650	02-Mar	101	322	225		194	263	72	144*	20
FERGUSON	2D02	880	01-Mar	169	600	111	441	397	796	283	539	59
NELSON	2D04	930	28-Feb	117	297	84	186	254	558	140	353	71
SANDON	2D03	1070	02-Mar	128	410	118			475	196	347	33
CHAR CREEK	2D06	1310	01-Mar	147	396	83	347	322	754	231	476	43
BUNCHGRASS MEADOW	WA01P	1520	01-Mar	183	511	84	511	447	1049	318	609*	13
GRAY CREEK (LOWER)	2D05	1550	24-Feb	140	434	107	287		663	201	406	59
KOCH CREEK	2B07	1860	04-Mar	191	562	90	605	411	996	269	625	45
MOUNT TEMPLEMAN	2D09	1860	25-Feb	249	874	93	668		1534	490	935	38
GRAY CREEK (UPPER)	2D10	1910	24-Feb	199	662	102	502	477	955	343	651	39
EAST CREEK	2D08P	2030	01-Mar	N/A	754	95	615	503	1167	312	790	30
REDFISH CREEK	2D14P	2104	01-Mar	326	1031	108	919	608	1256	608	957*	9

KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
GOAT CREEK	WA04	1100		Not Sampled		147		300	0	162*	47	
FARRON	2B02A	1220	24-Feb	95	248	84	223		450	79	295	36
CARMI	2E02	1250	01-Mar	63	116	79	98	152	274	56	147	48
MONASHEE PASS	2E01	1370	04-Mar	110	293	96	201	315	442	149	306	51
SUMMIT G.S.	WA05	1400		Not Sampled		224		305	63	195*	46	
BIG WHITE MOUNTAIN	2E03	1680	01-Mar	134	361	85	384	304	676	213	426	45
GRANO CREEK	2E07P	1860	01-Mar	126	381	92	315	296	634	206	415*	13
BLUEJOINT MOUNTAIN	2E06	2040	04-Mar	188	573	N/A	N/A	N/A	773	549	N/A	5

OKANAGAN Drainage Basin

		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
SUMMERLAND RESERVOIR	2F02	1280	25-Feb	87	216	101	174	128	381	97	214	50
MC CULLOCH	2F03	1280	28-Feb	72	165	105	127	223	249	71	157	71
ABERDEEN LAKE	1F01A	1310			Not Sampled				231	51	145	56
OYAMA LAKE	2F19	1340	01-Mar	57	88	56	110	135	241	73	157	41
POSTILL LAKE	2F07	1370	28-Feb	67	170	91	116	152	274	98	186	61
VASEUX CREEK	2F20	1400			Not Sampled		60	86	284	52	139	40
BOULEAU LAKE	2F21	1400	27-Feb	85	208	71	190	166	432A	165	295	40
TROUT CREEK	2F01	1430	27-Feb	83	191	113	172	141	335	55	169	71
TROUT CREEK (WEST)	2F01A	1430	27-Feb	80	176	N/A	196					3
BRENDA MINE	2F18	1460	01-Mar	108	239	83	256	160	495	130	287	42
BRENDA MINE	2F18P	1460	01-Mar	N/A	310	91	286E	198	431	184	342	18
ISLAHT LAKE	2F24	1480	01-Mar	109	264	83	230	163	497	161	317	29
GREYBACK RESERVOIR	2F08	1550			Not Sampled		192	184	312	91	198	44
ESPERON CR (UPPER)	2F13	1650	28-Feb	112	276	74	260	206	635	157	371	42
ISINTOK LAKE	2F11	1680	25-Feb	67	154	94	116	92	358	53	164	46
MACDONALD LAKE	2F23	1740	01-Mar	145	406	103	346	225	583	170	394	34
MUTTON CREEK NO. 1	WA07	1740			Not Sampled		320		589	0	307*	66
MISSION CREEK	2F05P	1780	01-Mar	N/A	331E	85	308	330	610	206	388	39
GRAYSTOKE LAKE	2F04	1810			Not Sampled				605	128	330	30
MOUNT KOBAU	2F12	1810	27-Feb	89	216	83	308	164	488	61	259	45
WHITEROCKS MOUNTAIN	2F09	1830	28-Feb	144	436	87		248	809	180	499	55
SILVER STAR MOUNTAIN	2F10	1840	27-Feb	187	614	97	562	502	912	347	636	52

SIMILKAMEEN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
BROOKMERE	1C01	980	27-Feb	71	179	92	109	64	351	53	194	66
FREEZEOUT CREEK TRAIL	WA11	1070			Not Sampled		132	229	615	15	269*	61
LIGHTNING LAKE	3D02	1220	27-Feb	95	252	89	184	201	497	36	282	37
HAMILTON HILL	2G06	1490	27-Feb	98	224	69	166	149	676	102	326	49
MISSEZULA MOUNTAIN	2G05	1550	28-Feb	85	201	91	128	88	363	76	221	47
ISINTOK LAKE	2F11	1680	25-Feb	67	154	94	116	92	358	53	164	46
LOST HORSE MOUNTAIN	2G04	1920	04-Mar	68	213	104	158	154	508	92	204	48
BLACKWALL PEAK	2G03P	1940	01-Mar	246	754	104	566	484	1323	213	728	43
HARTS PASS	WA09	1980			Not Sampled		746	668	1636	312	931*	60
HARTS PASS	WA09P	1980	01-Mar	N/A	N/A	N/A	674	620	1320A	356	805*	13

SOUTH COASTAL Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE	3A09	880	24-Feb	330	1275	108	736	791	3150A	95	1183	56
PALISADE LAKE	3A09P	880	01-Mar	N/A	1083	N/A	272		1467	43		
CALLAGHAN CREEK	3A20	1040	27-Feb	277	948	123	740	440	1260	200	770	33
DOG MOUNTAIN	3A10	1080	01-Mar	288	1168	115	538	843	2146Z	256	1016	27
GROUSE MOUNTAIN	3A01	1100	23-Feb	284	1122	113	590	968	2320A	143	997	60
ORCHID LAKE	3A19	1190	24-Feb	459	1727	110	1399	860	2960A	444	1568	36
ORCHID LAKE	3A19P	1190	01-Mar	467	1555	100	1156		3093	417	1560*	21
UPPER SQUAMISH RIVER	3A25P	1340	01-Mar	467	1878	136	1326		2301	574	1380	20
NOSTETUKO RIVER	3A22P	1500	01-Mar	N/A	674	135	458		852	165	500*	20
UPPER MOSELY CREEK	3A24P	1650	01-Mar	113	312	117	298	233	555	98	267*	22

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER	3B04	270	24-Feb	51	165	145	0	238	546	0	114	50
WOLF RIVER (LOWER)	3B19	640	24-Feb	158	574	165	274	196	1064	0	347	40
UPPER THELWOOD LAKE	3B10	980	24-Feb	325	1212	101		736	2440A	126	1204	50
WOLF RIVER (MIDDLE)	3B18	1070	24-Feb	210	750	141	624	260	1344	20	532	40
FORBIDDEN PLATEAU	3B01	1130	24-Feb	424	1680	131	1350	652	2730A	101	1279	55
JUMP CREEK	3B23P	1160	01-Mar	302	1073	110	589	589	2016	64	977	15
MOUNT COKELY	3B02A	1250	26-Feb	220	748	107		388	1034	34	701	29
WOLF RIVER (UPPER)	3B17P	1490	01-Mar	N/A	1481	126	1301	564	1777	195	1178	22

NORTH COASTAL Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
WEDEENE RIVER SOUTH	3C07	300			Not Sampled				817	119	407*	25
TAHTSA LAKE	1B02	1300			Not Sampled		991	960	1504	571	1025	59
TAHTSA LAKE	1B02P	1300	01-Mar	N/A	1166	108	1085	1027	1719	661	1084	17
BURNT BRIDGE CREEK	3C08P	1330	01-Mar	N/A	707	101	609		1148	274	697*	12

SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	06-Mar	114	276	102	7	193	442	7	271	19
FREEZEOUT CREEK TRAIL	WA11	1070			Not Sampled		132	229	615	15	268*	61
BEAVER PASS	WA12	1120			Not Sampled		467	465	1298	30	646*	62
KLESILKWA	3D03A	1130	06-Mar	97	222	75	47		759	0	296	58
LIGHTNING LAKE	3D02	1220	27-Feb	95	252	89	184	201	497	36	282	37
HARTS PASS	WA09	1980			Not Sampled		746	668	1636	312	931*	60
HARTS PASS	WA09P	1980	01-Mar	N/A	N/A	N/A	674	620	1320A	356	805*	13

PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
FORT ST. JOHN A	4A25	690	28-Feb	28	72	67		92	154	22	84	36
PACIFIC LAKE	1A11	770	01-Mar	206	582	102	487	728	832	277	569	48
WARE (LOWER)	4A04	980	03-Mar	74	146	89	139	225	246	97	164	46
PHILIP LAKE	4A13	980	02-Mar	99	245	97	200	229	400	138	252	47
AIKEN LAKE	4A30P	1040	01-Mar	N/A	233	96	150	248	363	150	252	24
TUTIZZI LAKE	4A06	1070	02-Mar	99	254	110	167	243	386	140	230	47
TSAYDAYCHI LAKE	4A12	1160	02-Mar	132	350	102	285	288	540	166	342	47
KAZA LAKE	1A12	1190	02-Mar	114	297	100	187	343	478	186	297	45
PULPIT LAKE	4A09	1310	03-Mar	126	336	94	264	527	531	233	357	46
PULPIT LAKE	4A09P	1310	01-Mar	N/A	385	107	283	518	518	271	361	20
FREDRICKSON LAKE	4A10	1310	02-Mar	86	198	93	134	238	315	129	214	46
PINE PASS	4A02P	1400	01-Mar	N/A	770	84	728	864	1485	600	921	19
TRYGVE LAKE	4A11	1400	02-Mar	118	301	96	224	384	453	211	315	46
SIKANNI LAKE	4C01	1400	03-Mar	90	221	97	140	302	335	107	229	45
PINE PASS	4A02	1430	03-Mar	297	996	99	890	1041	1502	480	1005	47
MORFEE MOUNTAIN	4A16	1450	01-Mar	232	678	92	509	661	1166	312	739	43
LADY LAURIER LAKE	4A07	1460	03-Mar	154	441	101	373	486	662	255	438	44
MOUNT SHEBA	4A18	1490	01-Mar	265	884	124	684	808	1123	394	715	40
GERMANSEN (UPPER)	4A05	1500	02-Mar	115	300	99	252	277	520	174	302	50
MOUNT STEARNS	4A21	1500	03-Mar	68	140	114	99	139	227	56	123	36
JOHANSON LAKE	4B02	1540	02-Mar	97	237	94	169	280	368	148	253	47
MONKMAN CREEK	4A20	1550			Not Sampled		459		925	211	522	28
WARE (UPPER)	4A03	1570	03-Mar	97	216	98	169	260	360	114	220	50
KWADACHA RIVER	4A27P	1620	01-Mar	N/A	225	78	206	330	405	195	289*	26

LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
FORT NELSON A	4C05	380	25-Feb	38	78	80		123	177	40	98	44
WATSON LAKE A	YK01	700			Not Sampled		113		216	61	130*	44
FRANCES RIVER	YK02	730			Not Sampled		120		312	65	140*	34
DEASE LAKE	4C03	820	01-Mar	56	90	72	60	190	229	45	125	45
JADE CITY	4C15	940	24-Feb	70	160	75	142	310	310	128	214*	9
SUMMIT LAKE	4C02	1280	07-Mar	73	152	143	175	124	190	0T	106	41
SIKANNI LAKE	4C01	1400	03-Mar	90	221	97	140	302	335	107	229	45

SKEENA/NASS Drainage Basin

		Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
TERRACE A	4B13A	180	07-Mar	91	259	145		150	407	0	179	29
BEAR PASS	4B11A	460			Not Sampled		329	698	824	400A	610	26
NINGUNSAW PASS	4B10	690	27-Feb	120	348	85	224	470	629	224	408	36
CEDAR-KITEEN	4B18P	885	01-Mar	203	570	92	280	947	833	280	621*	10
MCKENDRICK CREEK	4B07	1050			Not Sampled			259	391	155	269	42
TACHEK CREEK	4B06	1140	24-Feb	89	214	104	182	186	332	117	206	43
KAZA LAKE	1A12	1190	02-Mar	114	297	100	187	343	478	186	297	45
LU LAKE	4B15	1300	25-Feb	98	258	96	240	272	412	122	269	32
LU LAKE	4B15P	1310	01-Mar	75	262	97	218	263	402	116	269	12
TSAI CREEK	4B17P	1360	01-Mar	250	1102	115	967	1057	1407	694	961*	13
KIDPRICE LAKE	4B01	1370	01-Mar	225	794	99	767	954	1252	429	802	58
TRYGVE LAKE	4A11	1400	02-Mar	118	301	96	224	384	453	211	315	46
EQUITY MINE	4B14	1420	25-Feb	116	338	96	324	386	546	190	351	33
CHAPMAN LAKE	4B04	1460	28-Feb	160	486	117		374	691	266	414	45
MOUNT CRONIN	4B08	1480	28-Feb	187	599	115		449	869	345	522	41
HUDSON BAY MTN.	4B03A	1480	28-Feb	156	469	102	396	461	719	287	459	39
SHEDIN CREEK	4B16P	1480	01-Mar	230	730	99	509	853	904	509	735*	15
JOHANSON LAKE	4B02	1540	02-Mar	97	237	94	169	280	368	148	253	47

STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SPEEL RIVER	AK03	80		Not Sampled		432	1011	1024	353	659*	40
TELEGRAPH CREEK	4D01	580	47	85	54	62	240	345	53	156	36
NINGUNSAW PASS	4B10	690	120	348	85	224	470	629	224	408	36
DEASE LAKE	4C03	820	56	90	72	60	190	229	45	125	45
ISKUT	4D02	1000	63	102	95	54	146	176	33	107	36

YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Mar 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ATLIN LAKE	4E02A	730	52	83	75	94	146	185A	50	111*	27
LOG CABIN	4E01	880		Not Sampled		332	454	514	124	330	50
PINE LK AIRSTRIP	YK03	1010		Not Sampled		175		330	25	192*	35
MONTANA MTN.	YK05	1020		Not Sampled		141		202	65	128*	35
TAGISH	YK04	1080		Not Sampled		128		227	75	125*	35

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

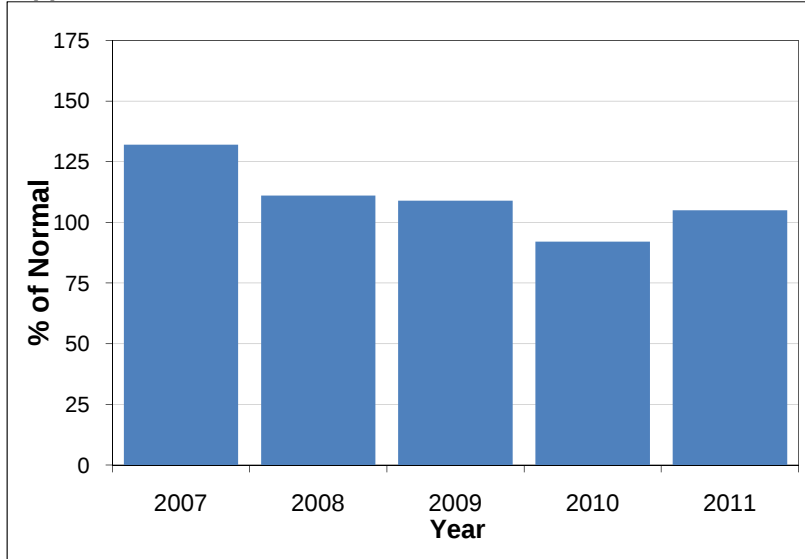
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

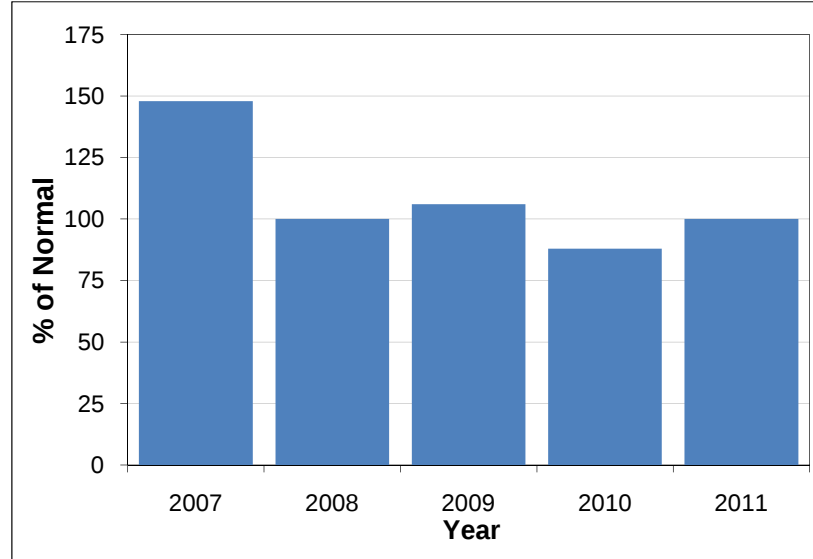
* - PERIOD OF RECORD AVERAGE

Snow Basin Index Graphs - March 1, 2011

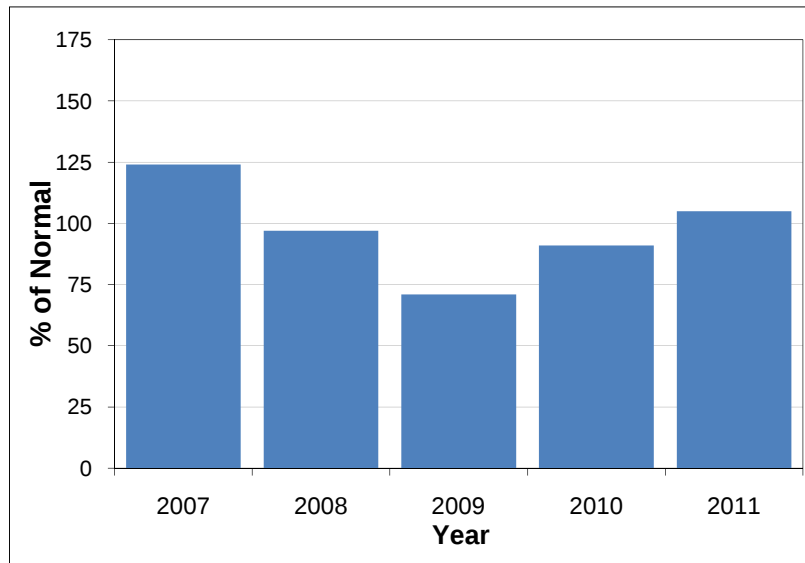
Upper Fraser



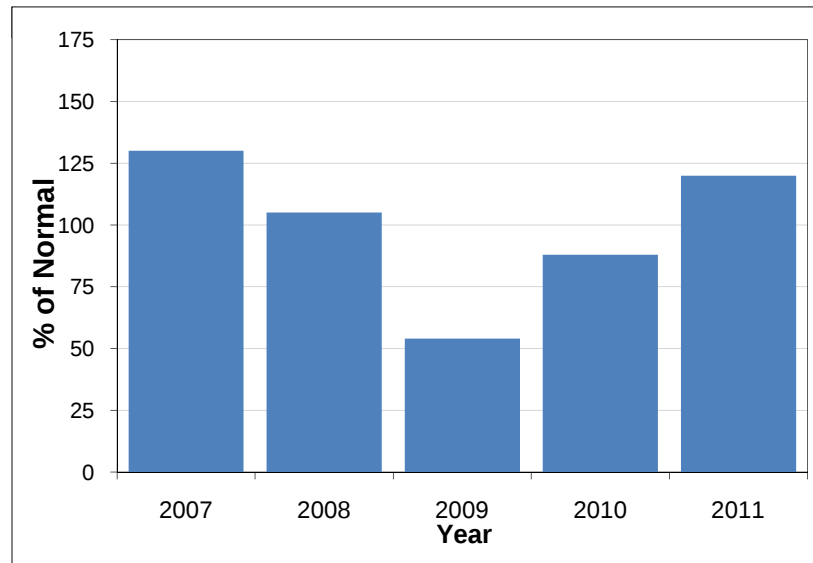
Nechako



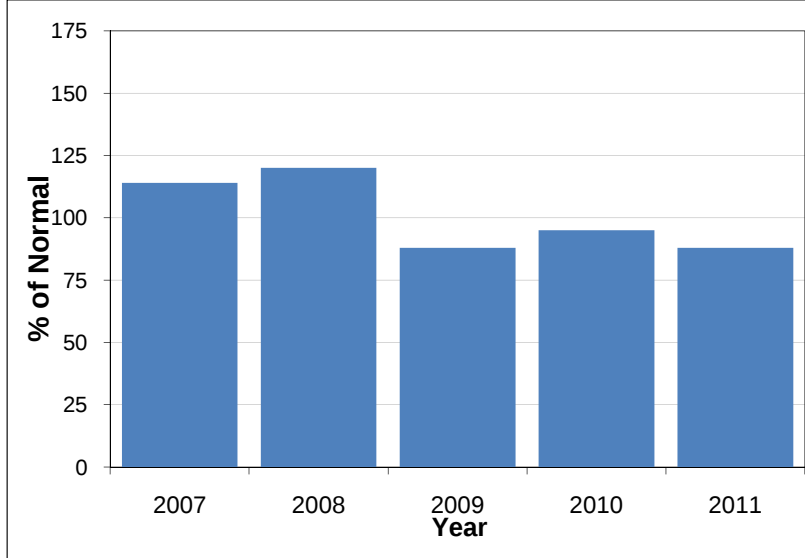
Middle Fraser



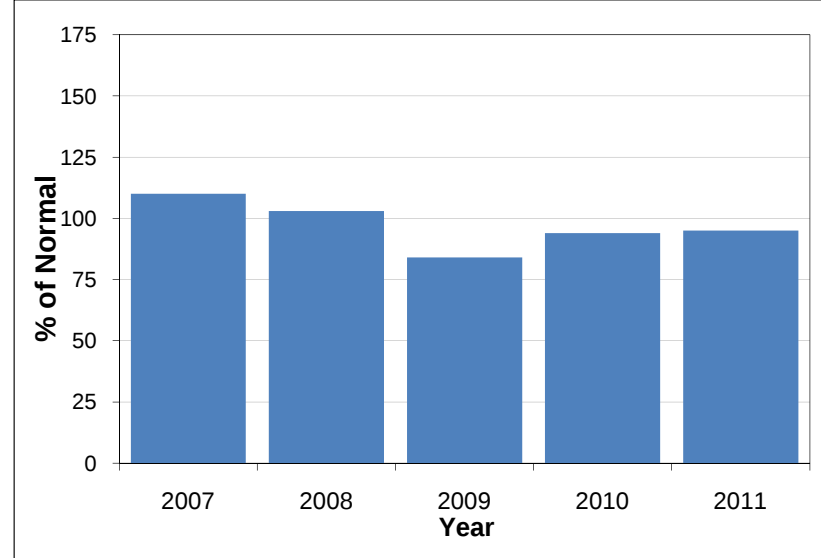
Lower Fraser



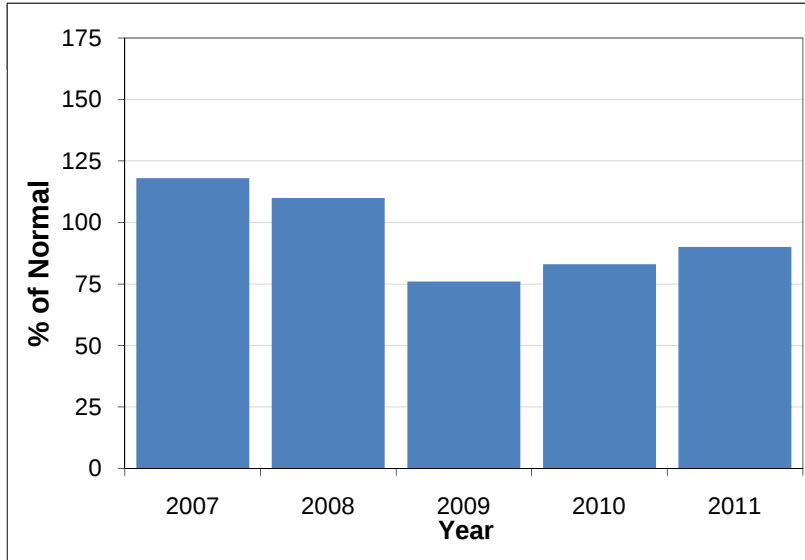
North Thompson



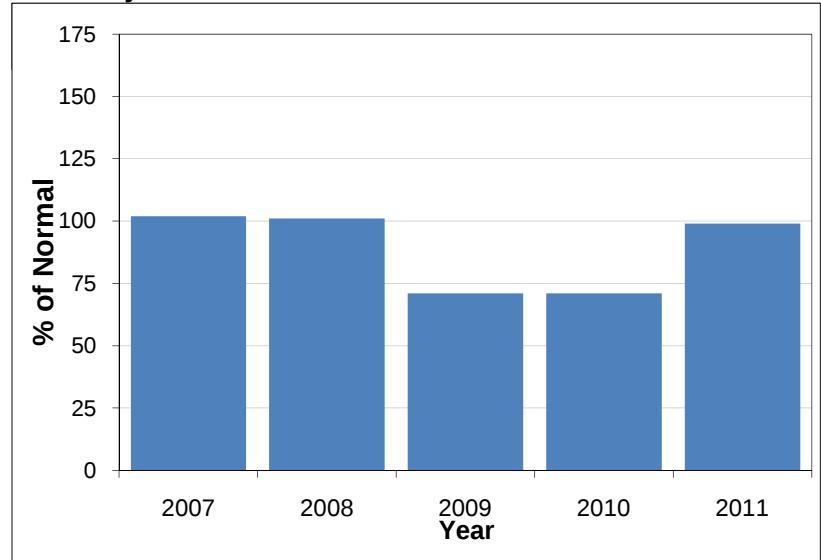
South Thompson



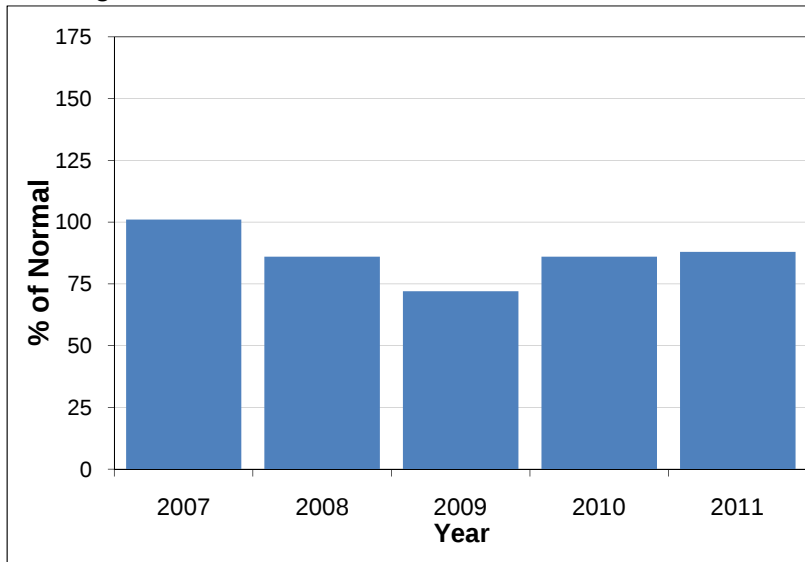
Columbia



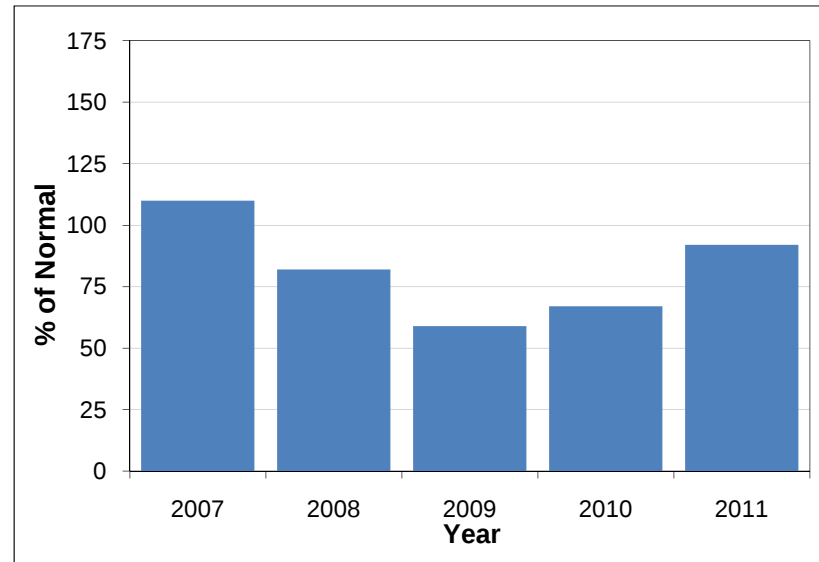
Kootenay



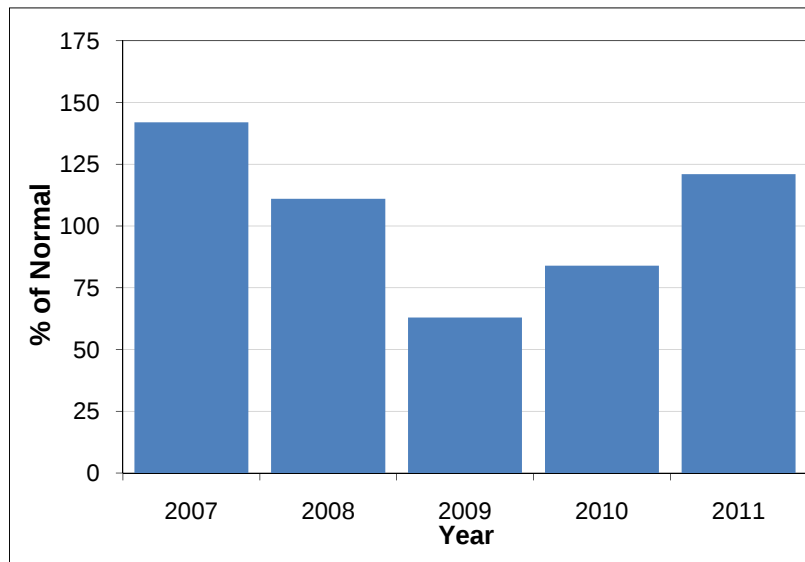
Okanagan-Kettle



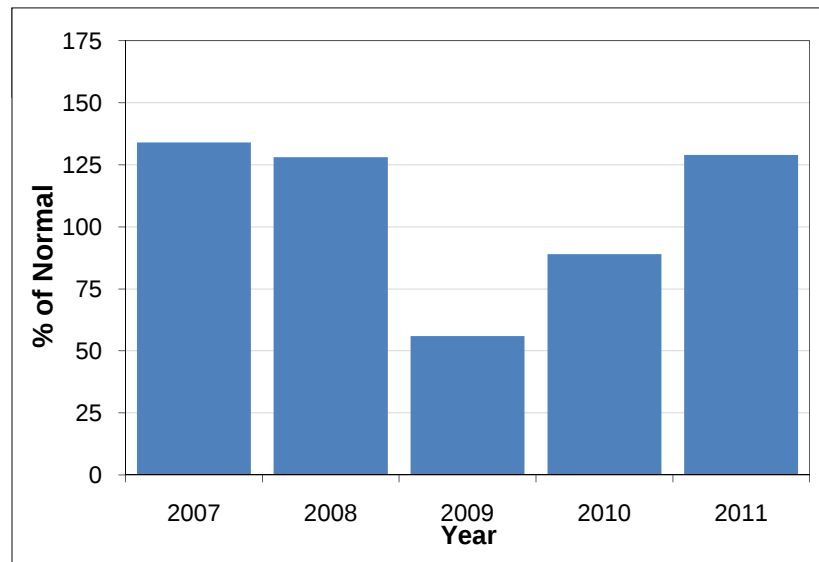
Similkameen



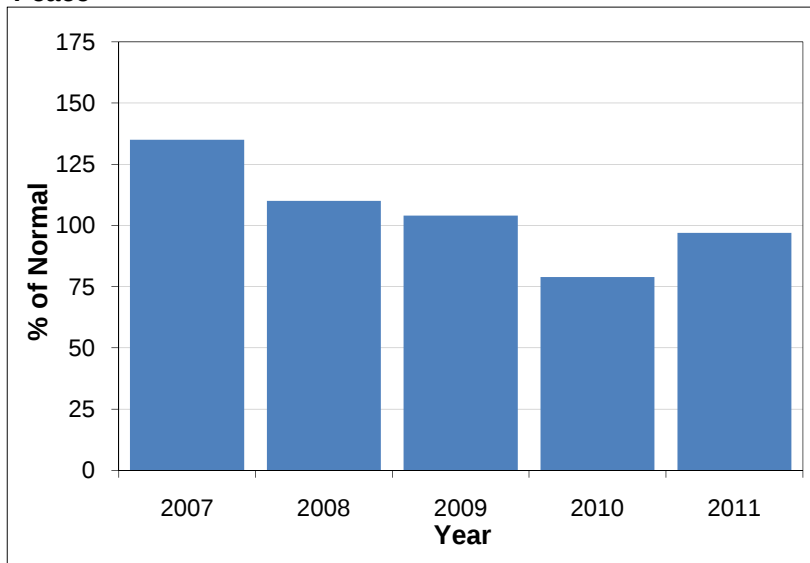
South Coast



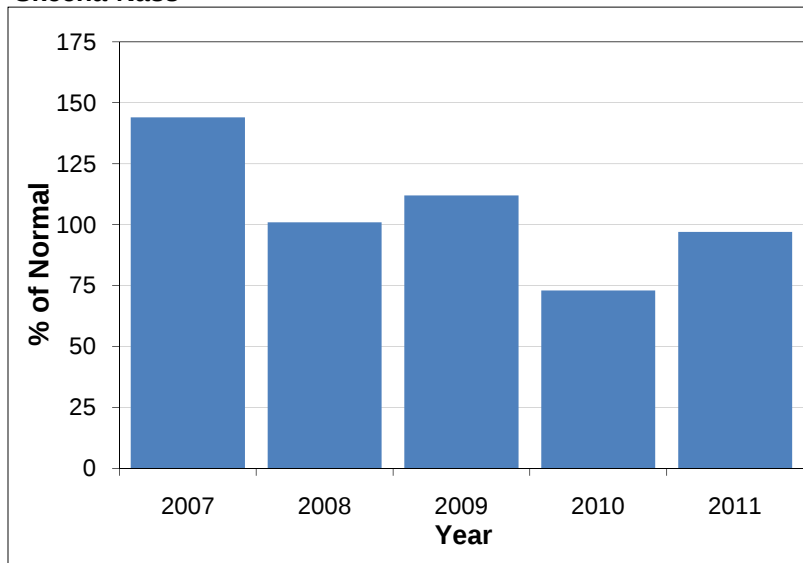
Vancouver Island



Peace



Skeena-Nass



Snow Survey and Water Supply Bulletin – April 1, 2011

The April 1 snow survey is now complete. Data from 139 snow courses and 55 snow pillows around the province and out-of-province sampling locations, and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

Weather patterns in March have been dominated by Pacific frontal systems delivering moisture across British Columbia. Precipitation in March was above normal, and temperatures were below normal for most areas of British Columbia. Weather patterns are consistent with the La Niña cycle currently being observed.

Snowpack

By this date, about 96% of the annual peak BC snowpack has accumulated. This year, as of the first week of April, snow packs across BC are normal or slightly above normal, with the exception of well above normal snow packs in the Lower Fraser, South Coast and Vancouver Island.

Basin snow water indices for BC at April 1 vary from a low of 95% of normal in the North Thompson to a high of 153% of normal on Vancouver Island. Indices have increased for most basins in the province since March, most notably in the Lower Fraser, South Thompson, Nicola, Columbia, Kootenay, Okanagan, Similkameen, South Coast and Vancouver Island. Indices have remained about the same since last month in the Upper Fraser, Middle Fraser, North Thompson, Peace and Skeena-Nass.

In most basins, low to mid elevation snow packs are well above normal, consistent with the cooler and wetter than normal accumulation season. Snow sampling in BC is biased towards high elevation sites. Therefore, some caution is warranted in interpreting the snow basin index values reported here, as they do not fully capture the above normal low to mid elevation snow pack that has been observed.

BC Snow Basin Indices – April 1, 2011

Basin	% of Normal	Basin	% of Normal
Upper Fraser	105%	Kootenay	110%
Nechako	105%	Okanagan-Kettle	107%
Middle Fraser	105%	Similkameen	101%
Lower Fraser	131%	South Coast	133%
North Thompson	95%	Vancouver Island	153%
South Thompson	111%	Peace	99%
Nicola	106%	Skeena-Nass	102%
Columbia	101%		

1. 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 upon review.



Snow Survey and Water Supply Bulletin – April 1, 2011

Upper Fraser

Individual snow courses range from 88% of normal (McBride-Upper) to 155% (Prince George Airport), with an overall basin index of 105%.

Nechako

Snowpack levels are fairly consistent in the Nechako basin, with a range from 94% of normal (Mount Pondosy) to 113% (Mount Swannell). The overall basin index is 105%

Middle Fraser

Snow conditions in the Middle Fraser are quite variable, and range from near normal to well above normal. Low and mid elevation snowpacks are much higher than normal, and at sites below 1200 meters elevation, individual sites vary from 125% to 206% of normal. The overall basin index is 105%.

Lower Fraser

Snow pack levels in the Lower Fraser are consistently above normal, with values ranging from 86% of normal (Wahleach Lake) to 144%. Overall basin index is 131%.

North Thompson

Snow course values are fairly consistent in the North Thompson and range from 76% to 103% of normal. The one low elevation snow survey site in the North Thompson is at above normal levels (133% of normal at Blue River). The overall basin index is 95%.

South Thompson

Snow pack levels in the South Thompson range from 75% of normal at Bouleau Lake, to 147% of normal at Enderby. The overall basin index is 110%.

Columbia

Snow pack in the Upper Columbia ranges from 90% of normal (Bush River) to 154% of normal (Field), with well above normal levels observed in the low to mid elevations. The overall basin index is 101%

Kootenay

Snow pack levels are variable in the Kootenay region. Individual snow course measurements range from 95% of normal (Nelson) to 238% (Duncan Lake). The overall basin index is 110%.

Kettle

The Kettle is at near normal snowpack, with a range from 93% at Carmi, to 108% at Farron. The overall basin index for Okanagan-Kettle is 107%.



Snow Survey and Water Supply Bulletin – April 1, 2011

Okanagan

Snow pack levels are variable in the Okanagan basin, and range from 84% of normal (Isaht Lake) to 135% of normal (Summerland Reservoir). Overall basin index for the Okanagan-Kettle is 107%.

Similkameen

Snow pack levels in the Similkameen basin are variable, ranging from 83% of normal at Hamilton Hill, to 120% at Lost Horse Mountain. Overall basin index is 101%.

South Coast

Snow pack levels in the South Coast are consistently well above normal. Values range from 117% of normal (Orchid Lake) to 169% (Powell River – Lower). Overall basin index is 133%.

Vancouver Island

Snow pack levels on Vancouver Island are consistently well above normal, with values ranging from 147% of normal (Upper Thelwood Lake) to 222% (Wolf River-Lower). The overall basin index is 153%.

Peace

Snow pack levels are near normal for most sampling locations in the Peace. Snow pack levels vary from 80% of normal (Pine Pass) to 126% (Mount Sheba). Overall basin index is 99%.

Skeena-Nass

Snow pack levels are variable in the Skeena-Nass basins. Values range from 57% of normal at Ningunsaw Pass to 201% of normal at Terrace. Overall basin index is 102%.

Water Supply Outlook

In general, the snowpack as of April 1st is at near normal levels throughout the province. At this point in time, snow pack levels do not indicate extraordinary conditions for potential flood or drought risk through most of the province.

Above normal snow packs exist in the Lower Fraser, South Coast and Vancouver Island. Peak flows in these regions are not typically associated with extreme spring peak flows, rather they experience major flood events during rainfall storm events in the fall and winter. An exception to this is in basins with a significant portion of the watershed at high elevation. In these watersheds in the Coast and Lower Fraser, above normal spring freshet runoff can be expected. These basins include the Lillooet, Squamish, Birkenhead and Harrison Rivers.

1. 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 upon review.



Snow Survey and Water Supply Bulletin – April 1, 2011

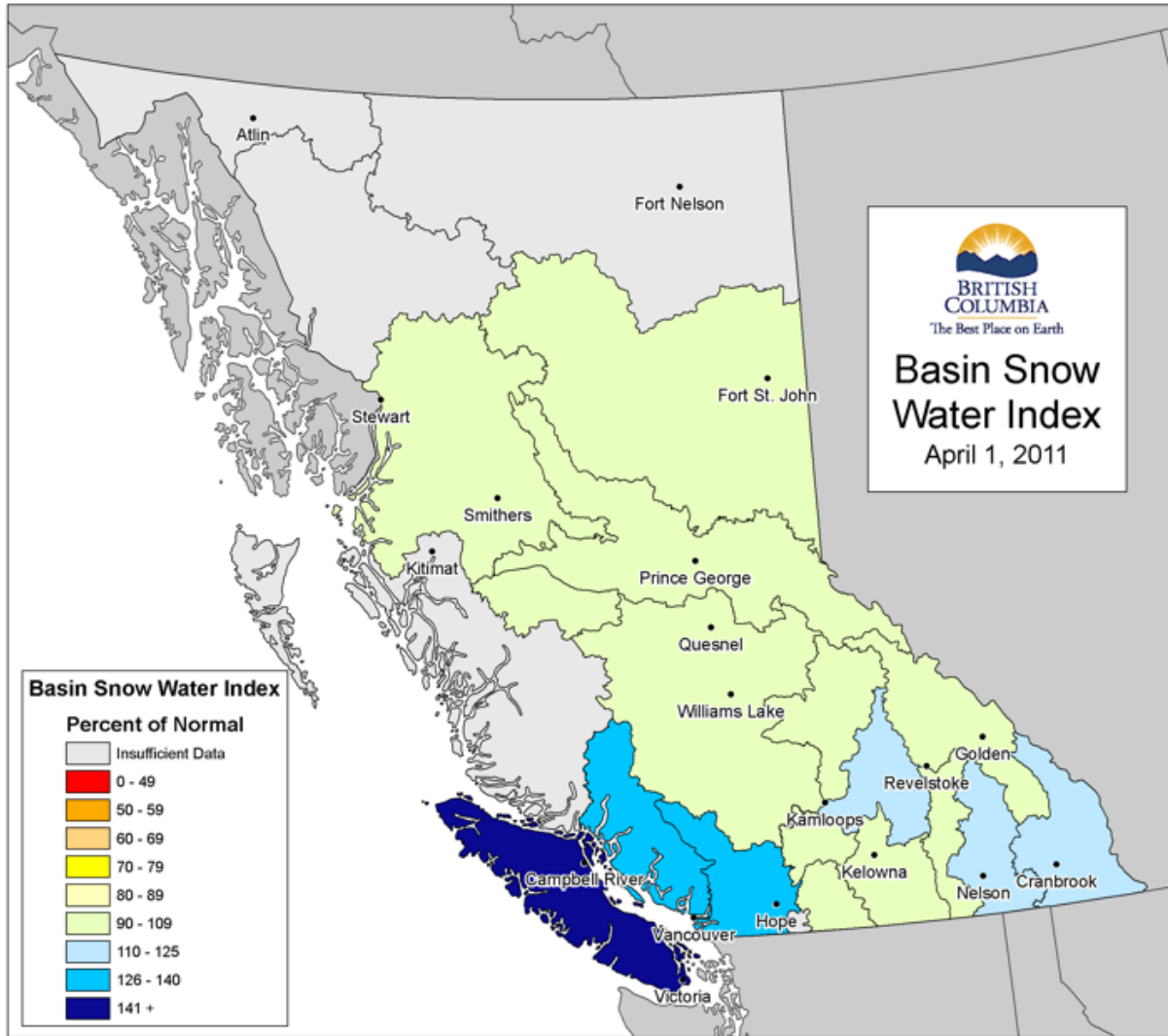
Normal to above normal water supply conditions are forecast for the spring runoff season. This should be particularly beneficial for replenishing groundwater, lake and reservoir levels in regions affected by dry conditions in the 2010 season (north-east BC, Skeena-Bulkley and Middle Fraser).

Snow conditions at the end of the winter snow accumulation period comprise only one part of the peak flow and water supply picture. Spring weather has a large influence on the timing and rate at which the snow pack melts.

The La Niña cycle that has been present in the equatorial Pacific Ocean throughout the 2010-2011 winter is beginning to weaken. The National Oceanic and Atmospheric Administration (NOAA) are commenting that La Niña conditions will continue to weaken, and neutral conditions are expected by June 2011. The persistence of La Niña conditions into the spring period may affect the continued accumulation and melt of the snow pack through the freshet period. Environment Canada are forecasting cooler than normal conditions through the spring, which is indicative of normal La Niña effects. This may lead to delayed timing of the onset of freshet.

Weather during the April to June period will affect the specific flood risk in snow melt driven rivers of the province. A delayed melt of the snow pack will mean that more snow may be present when we enter into the late spring-early summer period (where there is an increased likelihood of hot weather), and therefore flood risk may increase. The River Forecast Centre will continue to monitor the snowpack and weather conditions throughout the snow melt period, and will revise our assessment of runoff and flood potential accordingly.

Snow Survey and Water Supply Bulletin – April 1, 2011



UPPER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PRINCE GEORGE A	1A10	690	28-Mar	63	183	155	0	199	313	0	118	48
PACIFIC LAKE	1A11	770	05-Apr	187	733	117	463	856	879	290	628	47
BURNS LAKE	1A16	800	30-Mar	59	132	102	52	168	264	0	129	38
CANOE RIVER	2A01A	910	29-Mar	57	142	145	0	90	262	0	98	69
PHILIP LAKE	4A13	980	06-Apr	97	302	105	191	288	449	176	287	47
HEDRICK LAKE	1A14	1100	05-Apr	231	891	130	532	946	1046	351	688	43
HEDRICK LAKE	1A14P	1100	01-Apr	246	957	121	704	1020	1121	581	814*	10
BIRD CREEK	1A23	1180	29-Mar	70	182	126	100	152	270	84	144*	20
KAZA LAKE	1A12	1190	06-Apr	126	365	108	220	418	465	226	338	45
LU LAKE	4B15	1300	01-Apr	109	332	104	246	336	504	162	318	33
LU LAKE	4B15P	1310	01-Apr	85	330	124	236	295	488	154	270*	11
EQUITY MINE	4B14	1420	01-Apr	136	420	104	350	442	640	258	405	33
MOUNT SHEBA	4A18	1490	05-Apr	260	1036	126	748	952	1294	495	825	36
BARKERVILLE	1A03P	1520	01-Apr	131	415	107	269	383	524	221	387	33
MC BRIDE (UPPER)	1A02	1580	28-Mar	148	505	118	408	439	780	225	429	57
KNUDSEN LAKE	1A15	1580	05-Apr	241	925	112	636	1093	1255	485	826	41
MCBRIDE (UPPER)	1A02P	1620	01-Apr	166	480	88	415	473	694	394	520*	3
REVOLUTION CREEK	1A17P	1690	01-Apr	267	818	103	642	947	1222	453	798	24
LONGWORTH (UPPER)	1A05	1740			Not Sampled		700	1024	1234A	467	784	54
DOMO MOUNTAIN	1A19	1820	28-Mar	206	781	103	584	836	1057	416	761	39
DOMO MOUNTAIN	1A19P	1820	01-Apr	217	758	98	529	814	1065	503	781*	4
MARMOT JASPER	AL12	1830	29-Mar	95	261	113	279	174	422	102	232*	40
YELLOWHEAD	1A01P	1860	01-Apr	N/A	540	91	599	461	784	349	593	13

NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SKINS LAKE 1B05	880	30-Mar	44	118	106	83	90	203	0	111	46
TAHTSA LAKE 1B02	1300	02-Apr	332	1313	111	1214	1153	1800A	775	1179	57
TAHTSA LAKE 1B02P	1300	01-Apr	N/A	1279	106	1308	1170	2240	860	1212	17
KIDPRICE LAKE 4B01	1370	29-Mar	257	973	106	824	1029	1601	622	919	56
MOUNT PONDOSY 1B08P	1400	01-Apr	N/A	748	94	729	640	1143	564	798	18
MOUNT WELLS 1B01	1490	29-Mar	156	516	98	442	584	960	273	524	55
MOUNT WELLS 1B01P	1490	01-Apr	N/A	543	95	475	698	872	344	573	18
NUTLI LAKE 1B07	1490	29-Mar	145	498	94	486	506	798	301	529*	19
MOUNT SWANNELL 1B06	1620	29-Mar	107	329	113	238	305	490	148	291*	21

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PUNTZI MOUNTAIN	1C22	940	28-Mar	26	64	206	0	12	120C	0	31	40
BROOKMERE	1C01	980	30-Mar	81	220	109	119	111	399	51	201	65
NAZKO	1C08	1070	29-Mar	46	117	192	22	108	165B	0	61	51
BIG CREEK	1C21	1140	27-Mar	15	30	188	0	28	119	0	16	39
GRANITE MOUNTAIN	1C33A	1150	30-Mar	77	226	125	115	222	272	73	181	17
DUFFEY LAKE	1C28	1200	31-Mar	187	732	144	508	462	866	244	507	37
PAVILION	1C06	1230	30-Mar	23	64	160		68	147	0	40	51
BRIDGE GLACIER (LOWER)	1C39	1400	03-Apr	210	760	123		240	1086	240	592*	15
DEADMAN RIVER	1C32	1430	30-Mar	53	196	187	52	178	188	30	105	26
BRALORNE	1C14	1450	03-Apr	70	200	112		104	389	0	178	47
SHOVELNOSE MOUNTAIN	1C29	1450	27-Mar	98	298	115	184	149	442	70	260	31
BOSS MOUNTAIN MINE	1C20P	1460	01-Apr	N/A	591	96	503	548	844	420	615	16
LAC LE JEUNE (UPPER)	1C25	1460	01-Apr	71	174	129	150	104	228	43	135	37
BRENDA MINE	2F18	1460					236	221	531	159	318	41
BRENDA MINE	2F18P	1460	01-Apr	N/A	385	98	305	286	497	227	394	17
HIGHLAND VALLEY	1C09A	1510	30-Mar	61	130	135	110	62	249	3A	96	44
BARKERVILLE	1A03P	1520	01-Apr	131	415	107	269	383	524	221	387	33
HORSEFLY MOUNTAIN	1C13A	1550	31-Mar	170	576	124	404	592	716	282	464	40
GNAWED MOUNTAIN	1C19	1580	30-Mar	69	120	95	132	84	307	21	126	42
MOUNT TIMOTHY	1C17	1660	26-Mar	114	340	104	270	336	533	186	327	47
YANKS PEAK EAST	1C41P	1670	01-Apr	219	896	108	606	936	994	521	829	13
PENFOLD CREEK	1C23	1680	28-Mar	273	1051	105	876	1013	1285	641	1000	34
GREEN MOUNTAIN	1C12P	1780	01-Apr	N/A	952	104	1122	463	1408	463	896	16
MCGILLIVRAY PASS	1C05	1800	03-Apr	178	625	104		349	1118	322	602	57
MISSION RIDGE	1C18P	1850	01-Apr	N/A	530	92	503	413	908	357	576	23
DOWNTON LAKE (UPPER)	1C38	1890	03-Apr	257	984	109		422	1416	422	900	40
TYAUGHTON CREEK (NORTH)	1C40	1950	03-Apr	162	514	119		264	844	268	432	15
BRALORNE(UPPER)	1C37	1980	03-Apr	214	746	99			1010	328	755	15

LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790					283	512B	0	238	42	
BROOKMERE	1C01	980	30-Mar	81	220	109	119	111	399	51	201	65
DISAPPOINTMENT LAKE	1D18P	1040	01-Apr	N/A	2102	141	1227	1164	1985P	430P	1495*	6
CALLAGHAN CREEK	3A20	1040	30-Mar	312	1280	142	866	670	1604	192	902	33
DICKSON LAKE	1D16	1070						1440	2990A	412	1547	18
DOG MOUNTAIN	3A10	1080	05-Apr	393	1559	127	758	1295	2720A	51	1223	65
BEAVER PASS	WA12	1120	03-Apr	249	909	117	546	579	1849	94	777*	65
KLESILKWA	3D03A	1130						401	792	0	293	62
SPUZZUM CREEK	1D19P	1180	01-Apr	382	1704	110	1429	1061	2164	465	1497*	10
DUFFEY LAKE	1C28	1200	31-Mar	187	732	144	508	462	866	244	507	32
STAVE LAKE	1D08	1210	07-Apr	523	2083	134		1118	2750A	446	1554	42
WAHLEACH LAKE	1D09	1400	07-Apr	234	724	110		568	1270	125	659	42
WAHLEACH LAKE	1D09P	1400	01-Apr	N/A	991	86	866	799	1380P	614	1154	18
NAHATLATCH RIVER	1D10	1520	07-Apr	463	2000	141		880	2410A	523	1417	42
EASY PASS	WA13	1580						1473	3094	996	2020*	34
CHILLIWACK RIVER	1D17P	1600	01-Apr	N/A	1849	132	1346	1361	1894	713	1398*	16
TENQUILLE LAKE	1D06P	1680	01-Apr	321	1354	132	1252	664	1590	664	988*	9

NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670	27-Mar	103	368	133	192	362	425	154	276	27
KNOUFF LAKE	1E05	1200	01-Apr	49	109	76	80	156	274	58	144	54
BOSS MOUNTAIN MINE	1C20P	1460	01-Apr	N/A	591	96	503	548	844	420	615	16
MOUNT COOK	1E02P	1550	01-Apr	342	1206E	102	1170	1181	1463	939	1181*	9
AZURE RIVER	1E08P	1620	01-Apr	260	1135	98	1133	964	1511	716	1155	13
ADAMS RIVER	1E07	1720	25-Mar	196	676	96	685	552	1069	435	707	40
KOSTAL LAKE	1E10P	1770	01-Apr	281	900	103	721	848	1165	618	878	25
TROPHY MOUNTAIN	1E03A	1860	25-Mar	149	507	93	477	574	888	332	545	36

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ANGLEMONT	1F02	1190	27-Mar	110	400	113	205	343	561	142	353	52
ABERDEEN LAKE	1F01A	1310							259	6	143	70
MONASHEE PASS	2E01	1370	01-Apr	117	365	106	219	390	517	188	343	60
BOULEAU LAKE	2F21	1400	27-Mar	96	264	75	262	192	564	172B	354	39
CELISTA	1F06P	1500	01-Apr	254	894	97	870	720	1118	720	894*	5
ADAMS RIVER	1E07	1720	25-Mar	196	676	96	685	552	1069	435	707	40
KIRBYVILLE LAKE	2A25	1750	03-Apr	320	1234	104	1160	981	1816	701	1189	37
SILVER STAR MOUNTAIN	2F10	1840	30-Mar	227	794	104	675	669	1115	414	760	51
PARK MOUNTAIN	1F03P	1890	01-Apr	262	907	105	747	814	1207	549	867	25
ENDERBY	1F04	1900	31-Mar	321	1501	147	926	880	1430	610	1019	47

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CANOE RIVER	2A01A	910	29-Mar	57	142	145	0	90	262	0	98	69
DOWNIE SLIDE (LOWER)	2A27	980	03-Apr	196	838	123	492	566	1062	448	680	32
GLACIER	2A02	1250	30-Mar	210	771	106	479	624	1161	371B	730	73
FIELD	2A03A	1280	30-Mar	65	236	154	73	132	251	8	153	70
SUNWAPTA FALLS	AL11	1400	30-Mar	86	236	123	189	146	333	89	192*	41
VERMONT CREEK	2A19	1520	07-Apr	161	568	127	338	275	843	190	446	44
AZURE RIVER	1E08P	1620	01-Apr	260	1135	98	1133	964	1511	716	1155	13
DOWNIE SLIDE (UPPER)	2A29	1630	03-Apr	340	1278	95	1392	1032	2360A	858	1347	32
KICKING HORSE	2A07	1650	30-Mar	121	318	92	257	239	589	185	346	62
KIRBYVILLE LAKE	2A25	1750	03-Apr	320	1234	104	1160	981	1816	701	1189	37
MOUNT REVELSTOKE	2A06P	1830	01-Apr	N/A	1263E	103	960	960	1686	709	1230	17
FIDELITY MOUNTAIN	2A17	1870	29-Mar	304	1250	100	1046	1055	1951	730	1248	47
BEAVERFOOT	2A11	1890	07-Apr	91	258	116	146	158	460	105	222	50
KEYSTONE CREEK	2A18	1890	03-Apr	258	901	109	826	596	1388	485	827	43
GOLDSTREAM	2A16	1920	03-Apr	326	1230	106	1023	970	1638A	785	1157	45
BUSH RIVER	2A23	1920	03-Apr	228	782	90	816	554	1331	455	865	43
NIGEL CREEK	AL10	1920	30-Mar	128	390	93	395	320	700	198	418*	41
MOUNT ABBOT	2A14	1980	27-Mar	315	1216	97	1042	985	1849	698	1256	51
MOLSON CREEK	2A21P	1980	01-Apr	N/A	923	91	1005	908	1553	651	1014	27
SUNBEAM LAKE	2A22	2010	03-Apr	290	1021	111	886	757	1384	590	917	43
MIRROR LAKE	AL06	2030	28-Mar	115	350	116	248	216	561	160	301*	70
BOW SUMMIT II	AL07A	2080	30-Mar	127	380	104	313	255	584B	180	365*	31

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	28-Mar	173	716	122	453	444	881	142	587	72
BAIRD	WA02	980					66	234	363	0	161*	50
FARRON	2B02A	1220	29-Mar	113	356	108	243	314	480	162	330	37
MONASHEE PASS	2E01	1370	01-Apr	117	365	106	219	390	517	188	343	60
WHATSHAN (UPPER)	2B05	1480	01-Apr	200	710	106	484	626	964	350	668	51
BARNES CREEK	2B06	1620	01-Apr	161	527	102	345	557	768	299	518	52
BARNES CREEK	2B06P	1620	01-Apr	N/A	596	109	401	559	773	323	546	17
ST. LEON CREEK	2B08	1800			Not Sampled		961	1019	1831	818	1253	40
ST. LEON CREEK	2B08P	1800	01-Apr	N/A	1268	112	833	908	1553	581	1133	16
KOCH CREEK	2B07	1860	01-Apr	233	768	102	705	540	1156	397	755	49
RECORD MOUNTAIN	2B09	1890	31-Mar	252	790	105	604	504	1307	315	752	34
EAST CREEK	2D08P	2030	01-Apr	N/A	949	103	728	608	1245	442	922	28

EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
KISHENEHN MT01	1190					56	224	465	36	200*	62
FERNIE EAST 2C07	1250	29-Mar	118	371	111	137	250	605	123	335	58
SINCLAIR PASS 2C01	1370	05-Apr	57	130	96	41	84	262A	36	135	73
BRUSH CREEK TIMBER MT03	1520					97	381	434	51	237*	58
SULLIVAN MINE 2C04	1550	27-Mar	113	318	102	134	214	538	134	313	64
VERMILION RIVER NO.3 2C20	1612			Not Sampled			264	401	175	286	16
WEASEL DIVIDE MT02	1660					536	688	1346	312	819*	69
KIMBERLEY (MIDDLE) VOR 2C12	1680	07-Apr	129	368	132	118	229	462	116	279	41
BANFIELD MOUNTAIN MT05	1710					216	493	919	196	518*	39
BANFIELD MOUNTAIN MT05P	1710	01-Apr	178	537	123	254	508	739	229	436*	12
MOUNT JOFFRE 2C16	1750			Not Sampled		246	331	711	179	388	41
MORRISSEY RIDGE 2C09Q	1800	01-Apr	N/A	803	108	506	608	1224	360	744	26
RED MOUNTAIN MT04	1830					307	490	810	211	477*	71
MOYIE MOUNTAIN 2C10P	1930	01-Apr	N/A	520E	130	296	491	679	216	401	30
HAWKINS LAKE MT06P	1970	01-Apr	267	880	143	506	605	1001	310	614*	12
ALLISON PASS AL01	1980	28-Mar	171	575	122	299	399	823	247	472*	46
WILKINSON SUMMIT (BUSH) AL03	1980	28-Mar	83	212	101	196	208	460	100	210*	46
THUNDER CREEK 2C17	2010	07-Apr	121	335	117	228	234	475	140A	287	39
FLOE LAKE 2C14	2090	07-Apr	272	918	116	658	591	1242	411	791	40
FLOE LAKE 2C14P	2090	01-Apr	N/A	821	113	600	596	1001	360	724	15
KIMBERLEY (UPPER) VOR 2C11	2140	07-Apr	190	534	114	339	331	798	197	467	41
HIGHWOOD SUMMIT (BUSH) AL02	2210	29-Mar	127	378	98	315	326	681	180	387*	39
MOUNT ASSINIBOINE 2C15	2230	07-Apr	206	610	111	473	463	816	252	551	41
SUNSHINE VILLAGE AL05	2230	31-Mar	210	614	103	435	490	996	277	596*	42

WEST KOOTENAY Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DUNCAN LAKE NO. 2	2D07A	650	03-Apr	55	195	238	0	154	223	0	84*	19
FERGUSON	2D02	880	28-Mar	173	716	122	453	444	881	142	587	72
NELSON	2D04	930	29-Mar	95	352	95	149	294	622	137	372	72
SANDON	2D03	1070							585	71	357	69
CHAR CREEK	2D06	1310	01-Apr	155	545	97		430	940	273	563	44
SMITH CREEK	ID01	1460					1041	808	1940	508	1113*	67
BUNCHGRASS MEADOW	WA01P	1520	01-Apr	234	743	102	667	620	1214	414	726*	12
GRAY CREEK (LOWER)	2D05	1550	05-Apr	203	662	140	336	369	688	290	472	61
KOCH CREEK	2B07	1860	01-Apr	233	768	102	705	540	1156	397	755	49
MOUNT TEMPLEMAN	2D09	1860			Not Sampled				1608	688	1076	38
GRAY CREEK (UPPER)	2D10	1910	05-Apr	290	956	122	586	634	1123	492	783	39
EAST CREEK	2D08P	2030	01-Apr	N/A	949	103	728	608	1245	442	922	28
REDFISH CREEK	2D14P	2104	01-Apr	416	1395	112	1121	803	1519	803	1251*	8

KETTLE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
GOAT CREEK	WA04	1100					51	163	274	0	111*	45
FARRON	2B02A	1220	29-Mar	113	356	108	243	314	480	162	330	37
CARMI	2E02	1250	31-Mar	58	132	93	64	176	290	14	142	47
MONASHEE PASS	2E01	1370	01-Apr	117	365	106	219	390	517	188	343	60
SUMMIT G.S.	WA05	1400					234	244	338	23	212*	47
BIG WHITE MOUNTAIN	2E03	1680	30-Mar	174	508	100	434	418	762	332	507	44
GRANO CREEK	2E07P	1860	01-Apr	170	572	107	416	383	769	334	537*	12
BLUEJOINT MOUNTAIN	2E06	2040	01-Apr	243	796	107	679	549	1175	329	742	30

OKANAGAN Drainage Basin

		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record	
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
Snow	Course Name and Number												
	SUMMERLAND RESERVOIR	2F02	1280	29-Mar	92	305	135	167	165	389	96	226	73
	MC CULLOCH	2F03	1280	31-Mar	68	204	132	84	157	249	38	155	72
	ABERDEEN LAKE	1F01A	1310							259	6	143	71
	OYAMA LAKE	2F19	1340	01-Apr	58	163	96	120	148	255	61	170	39
	POSTILL LAKE	2F07	1370	31-Mar	75	203	91	156	190	348	109	224	59
	VASEUX CREEK	2F20	1400	30-Mar	52	154	98		98	239	40	157	39
	BOULEAU LAKE	2F21	1400	27-Mar	96	264	75	262	192	564	172B	354	39
	TROUT CREEK	2F01	1430					202	90	396	52	182	73
	TROUT CREEK (WEST)	2F01A	1430	27-Mar	86	271	N/A	196					1
	ESPERON CR (MIDDLE)	2F14	1430	29-Mar	106	322	87	242	228	607	196	372	42
	BRENDA MINE	2F18	1460					236	221	531	159	318	41
	BRENDA MINE	2F18P	1460	01-Apr	N/A	385	98	305	286	497	227	394	17
	ISLAHT LAKE	2F24	1480	31-Mar	108	292	84	269	202	501	165A	349	27
	GREYBACK RESERVOIR	2F08	1550	30-Mar	83	280	120	228	247	351	114	233	56
	ESPERON CR (UPPER)	2F13	1650	29-Mar	124	376	86	300	258	805	244	435	41
	ISINTOK LAKE	2F11	1680	30-Mar	87	169	92	111	110	424	66	183	45
	MACDONALD LAKE	2F23	1740						334	677	257	463	33
	MUTTON CREEK NO. 1	WA07	1740					356	218B	721	56B	344*	69
	MISSION CREEK	2F05P	1780	01-Apr	N/A	508E	108	412	420	728	278	472	38
	GRAYSTOKE LAKE	2F04	1810							828	196	405	40
	MOUNT KOBAL	2F12	1810	29-Mar	155	405	127	344	198	602	105	318	44
	WHITEROCKS MOUNTAIN	2F09	1830	29-Mar	165	550	94	494	343	1021	318	586	55
	SILVER STAR MOUNTAIN	2F10	1840	30-Mar	227	794	104	675	669	1115	414	760	51

SIMILKAMEEN Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BROOKMERE	1C01	980	30-Mar	81	220	109	119	111	399	51	201	65
FREEZEOUT CREEK TRAIL	WA11	1070	05-Apr	107	328	109	117	290	665	8	300*	65
LIGHTNING LAKE	3D02	1220	31-Mar	110	345	113	219	231	622	60	305	62
HAMILTON HILL	2G06	1490	30-Mar	108	294	83	159	212	851	83	356	50
MISSEZULA MOUNTAIN	2G05	1550	31-Mar	83	234	97	130	122	516B	90	242	49
ISINTOK LAKE	2F11	1680	30-Mar	87	169	92	111	110	424	66	183	45
LOST HORSE MOUNTAIN	2G04	1920	01-Apr	78	292	120	191	188	533	138	243	46
BLACKWALL PEAK	2G03P	1940	01-Apr	255	944	113	686	615	1494	400	833	42
HARTS PASS	WA09	1980	01-Apr	363	1311	121	894	884	1725	510	1081*	67
HARTS PASS	WA09P	1980	01-Apr	348	1458	150	822	787	1770	429	974*	12

SOUTH COASTAL Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE	3A09	880						1266	3560A	285	1440	61
PALISADE LAKE	3A09P	880	01-Apr	N/A	1635	N/A	435		1613	53		2
POWELL RIVER (LOWER)	3A05	910	07-Apr	311	1257	169		815	1554	85	743	49
POWELL RIVER (UPPER)	3A02	1040	07-Apr	411	1610	154		940	1813	467	1046	46
CALLAGHAN CREEK	3A20	1040	30-Mar	312	1280	142	866	670	1604	192	902	33
DOG MOUNTAIN	3A10	1080	05-Apr	393	1559	127	758	1295	2720A	51	1223	65
GROUSE MOUNTAIN	3A01	1100	01-Apr	394	1640	136	908	1412	2670A	44	1203	74
ORCHID LAKE	3A19	1190						1279	3770A	748	1905	36
ORCHID LAKE	3A19P	1190	01-Apr	549	2236	117	1535					21
UPPER SQUAMISH RIVER	3A25P	1340	01-Apr	546	2400E	148	1572		2089	803	1620	19
NOSTETUKO RIVER	3A22P	1500	01-Apr	N/A	873	147	604	218	1058	218	594*	19
UPPER MOSELY CREEK	3A24P	1650	01-Apr	118	364	126	335	236	567	135	289*	21

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER	3B04	270	01-Apr	0	0	0	224	607	0	89	48
WOLF RIVER (LOWER)	3B19	640	31-Mar	201	846	282	290	1198	0	381	38
UPPER THELWOOD LAKE	3B10	980	31-Mar	462	2287	1410	1292	3200A	354	1554	50
WOLF RIVER (MIDDLE)	3B18	1070	31-Mar	297	1062	752	426	1706	0	664	38
FORBIDDEN PLATEAU	3B01	1130	31-Mar	567	2565	1756	974	3550A	387	1595	55
JUMP CREEK	3B23P	1160	01-Apr	394	1873	954	986	1909	184	1208	13
MOUNT COKELY	3B02A	1250	28-Mar	354	1378		644	2100	331	864	30
WOLF RIVER (UPPER)	3B17P	1490	01-Apr	N/A	2057	1797	850	1878	305	1420	21

NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
WEDEENE RIVER SOUTH	3C07	300	31-Mar	158	604			900A	36	383*	26
TAHTSA LAKE	1B02	1300	02-Apr	332	1313	1214	1153	1800A	775	1179	57
TAHTSA LAKE	1B02P	1300	01-Apr	N/A	1279	1308	1170	2240	860	1212	17
BURNT BRIDGE CREEK	3C08P	1330	01-Apr	N/A	785	661		1384	201	764*	12

SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SUMALLO RIVER WEST	3D01C	790					283	512B	0	238	18
FREEZEOUT CREEK TRAIL	WA11	1070	05-Apr	107	328	117	290	665	8	301*	65
BEAVER PASS	WA12	1120	03-Apr	249	909	546	579	1849	94	777*	65
KLESILKWA	3D03A	1130					401	792	0	293	62
LIGHTNING LAKE	3D02	1220	31-Mar	110	345	219	231	622	60	305	62
HARTS PASS	WA09	1980	01-Apr	363	1311	894	884	1725	510	1084*	67
HARTS PASS	WA09P	1980	01-Apr	348	1458	822	787	1770	429	974*	12

PEACE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FORT ST. JOHN A	4A25	690	31-Mar	52	103	101		146	226	0	102	37
PACIFIC LAKE	1A11	770	05-Apr	187	733	117	463	856	879	290	628	47
WARE (LOWER)	4A04	980	07-Apr	72	164	87	166	272	316	112B	188	46
PHILIP LAKE	4A13	980	06-Apr	97	302	105	191	288	449	176	287	47
AIKEN LAKE	4A30P	1040	01-Apr	N/A	263	102	203	285	371	199	258	23
TUTIZZI LAKE	4A06	1070	06-Apr	94	294	115	169	283	406	166	255	47
TSAYDAYCHI LAKE	4A12	1160	06-Apr	136	435	110	314	359	639	234	394	47
KAZA LAKE	1A12	1190	06-Apr	126	365	108	220	418	465	220	338	45
PULPIT LAKE	4A09	1310	07-Apr	136	410	102	388	618	618	297	402	47
PULPIT LAKE	4A09P	1310	01-Apr	N/A	445	108	375	607	619	347	411	19
FREDRICKSON LAKE	4A10	1310	06-Apr	83	200	82	192	275	351	163B	245	47
PINE PASS	4A02P	1400	01-Apr	N/A	878	80	875	1042	1551	844	1101	18
TRYGVE LAKE	4A11	1400	06-Apr	120	344	96	348	454	511	257	359	47
SIKANNI LAKE	4C01	1400	07-Apr	95	252	94	217	362	380	166	268	47
PINE PASS	4A02	1400	07-Apr	287	1116	97	1014	1042	1551	844	1150	48
MORFEE MOUNTAIN	4A16	1450	05-Apr	246	934	109	604	806	1158	555	854	42
LADY LAURIER LAKE	4A07	1460	07-Apr	163	523	104	501	578	854	342	503	46
MOUNT SHEBA	4A18	1490	05-Apr	260	1036	126	748	952	1294	495	825	41
GERMANSEN (UPPER)	4A05	1500	06-Apr	127	391	111	316	343	523	200	352	48
MOUNT STEARNS	4A21	1500	07-Apr	68	151	102	138	164	239	59	138	35
JOHANSON LAKE	4B02	1540	06-Apr	110	278	96	254	344	417	173	291	47
MONKMAN CREEK	4A20	1550			Not Sampled		512	640	1067	313	593	31
WARE (UPPER)	4A03	1570	07-Apr	100	255	100	214	315	390	157	254	46
KWADACHA RIVER	4A27P	1620	01-Apr	N/A	272	81	266	379	446	236	335*	25

LIARD Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FORT NELSON A	4C05	380	31-Mar	43	81	85		168	198	23	95	44
WATSON LAKE A	YK01	700					150	244	244	71	134*	43
FRANCES RIVER	YK02	730					143	292	302	76	161*	33
DEASE LAKE	4C03	820	31-Mar	51	113	83		177	259	50A	136	45
JADE CITY	4C15	940	27-Mar	76	236	96	176	340	340	162	246*	8
SUMMIT LAKE	4C02	1280	07-Apr	67	204	179	95	100	240	0	114	40
SIKANNI LAKE	4C01	1400	07-Apr	95	252	94	217	362	380	166	268	47

SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
TERRACE A	4B13A	180	31-Mar	52	171	201	0	188	333	0	85	32
BEAR PASS	4B11A	460	01-Apr	165	550	78	330	872	1013	330	706	25
NINGUNSAW PASS	4B10	690	28-Mar	109	248	57	266	554	730A	231	438	35
CEDAR-KITEEN	4B18P	885	01-Apr	171	625	87	346	1073	1129	346	715*	9
McKENDRICK CREEK	4B07	1050	31-Mar	105	322	108	213	276	427	183	297	42
TACHEK CREEK	4B06	1140	31-Mar	91	272	117	168	252	362	112	232	42
KAZA LAKE	1A12	1190	06-Apr	126	365	108	220	418	465	220	338	45
LU LAKE	4B15	1300	01-Apr	109	332	104	246	296	504	162	318	33
LU LAKE	4B15P	1310	01-Apr	85	330	124	236	295	488	154	267*	11
TSAL CREEK	4B17P	1360	01-Apr	292	1349	116	1144	1215	1831	919	1158*	12
KIDPRICE LAKE	4B01	1370	29-Mar	257	973	106	824	1029	1601	622	919	56
TRYGVE LAKE	4A11	1400	06-Apr	120	344	96	348	454	511	257	359	47
EQUITY MINE	4B14	1420	01-Apr	136	420	104	350	442	640	258	405	33
CHAPMAN LAKE	4B04	1460	31-Mar	173	560	118	410	442	762	315	474	45
HUDSON BAY MTN.	4B03A	1480	31-Mar	164	550	105	440	540	846	356	524	38
MOUNT CRONIN	4B08	1480	31-Mar	207	716	117	510	90	1097	90	612	35
SHEDIN CREEK	4B16P	1480	01-Apr	540	849	96	660	1001	1054	690A	883*	14
JOHANSON LAKE	4B02	1540	06-Apr	110	278	96	254	344	417	173	291	47

STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
SPEEL RIVER	AK03	80					1219	1402	300	769*	41	
TELEGRAPH CREEK	4D01	580	28-Mar	43	94	60	74	278	343	37	156	35
NINGUNSAW PASS	4B10	690	28-Mar	109	248	57	266	552	730A	231	438	35
DEASE LAKE	4C03	820	31-Mar	51	113	83		177	259	50A	136	45
ISKUT	4D02	1000	28-Mar	52	126	118	60	172	180A	0	107	35

YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
ATLIN LAKE	4E02A	730	30-Mar	42	74	59	116	155	267	50	125*	26
LOG CABIN	4E01	880					428	536	596	213	372	50
PINE LK AIRSTRIP	YK03	1010					164	298	351	122	226*	34
MONTANA MTN.	YK05	1020					144	176	228	84	140*	33
TAGISH	YK04	1080					179	203	242	73	140*	33

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

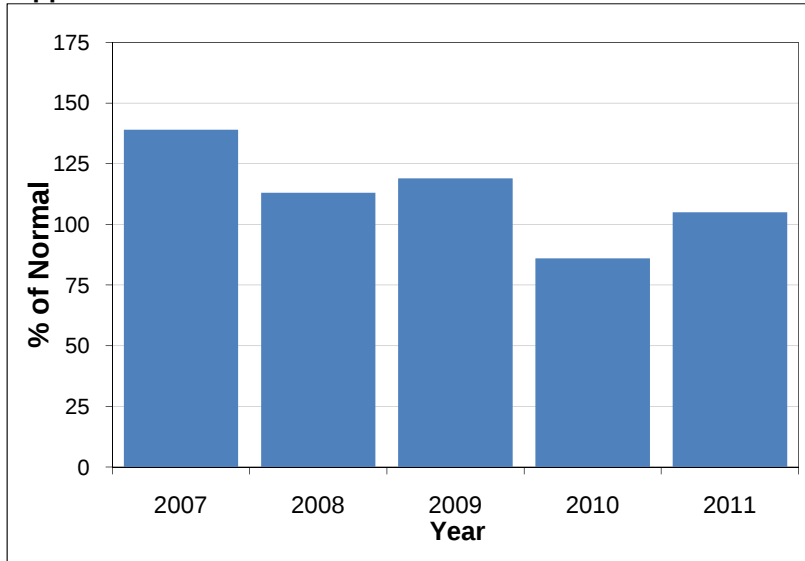
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

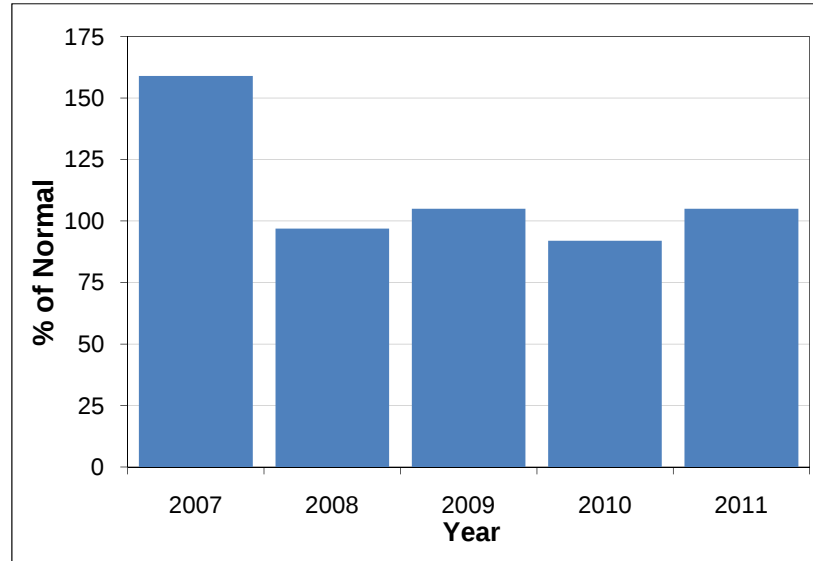
* - PERIOD OF RECORD AVERAGE

Snow Basin Index Graphs - April 1, 2011

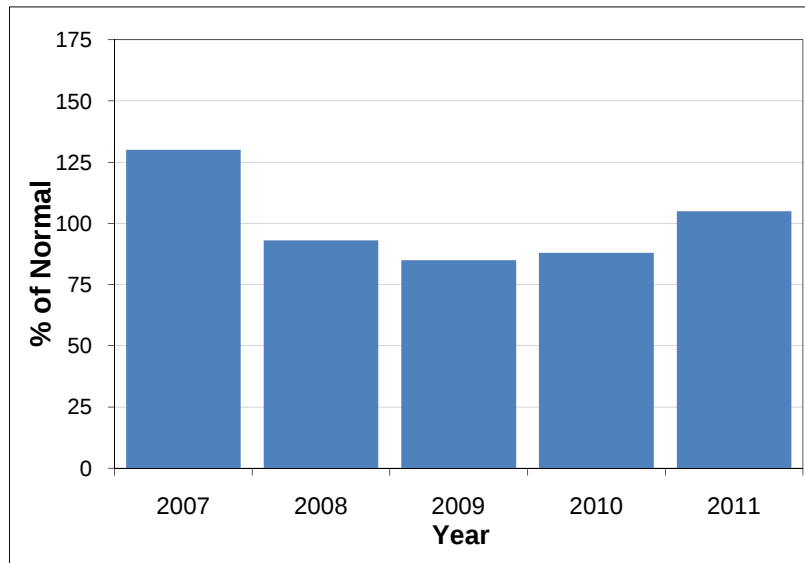
Upper Fraser



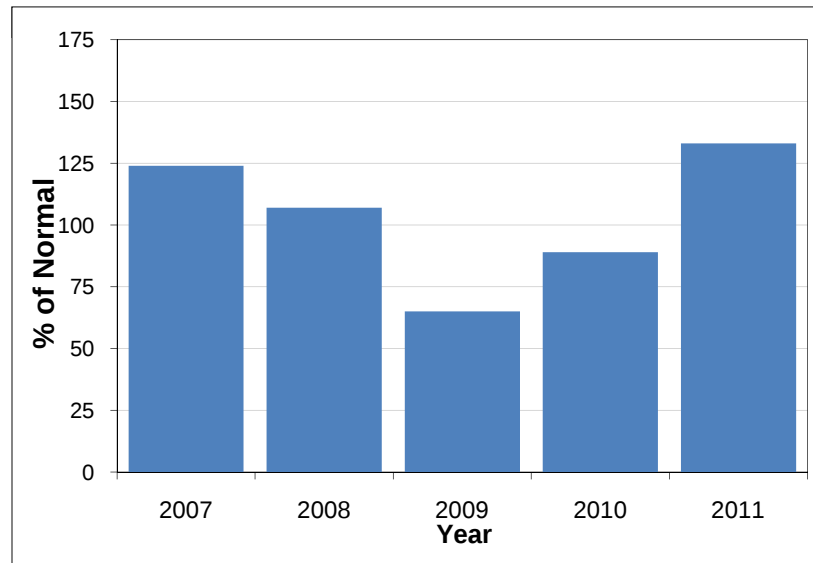
Nechako



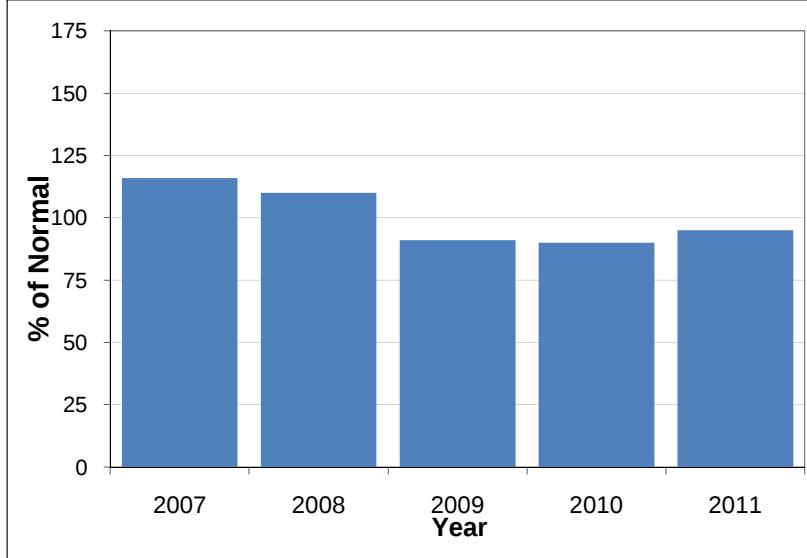
Middle Fraser



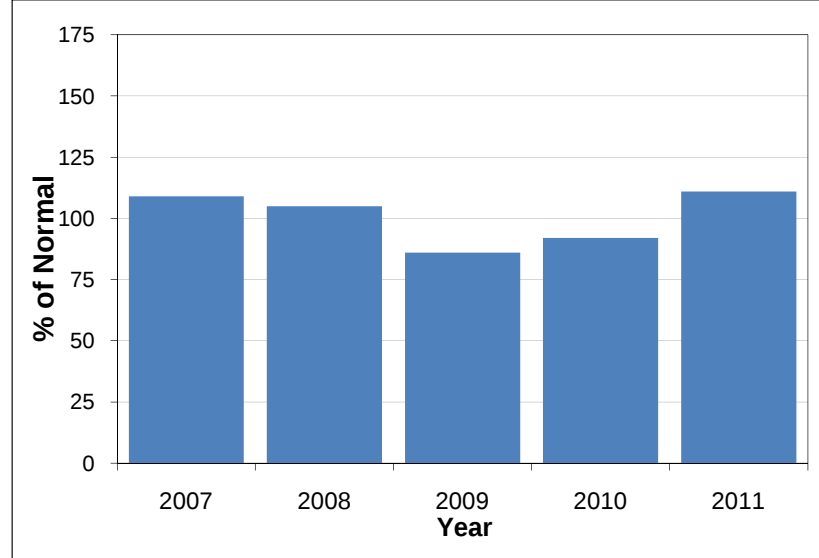
Lower Fraser



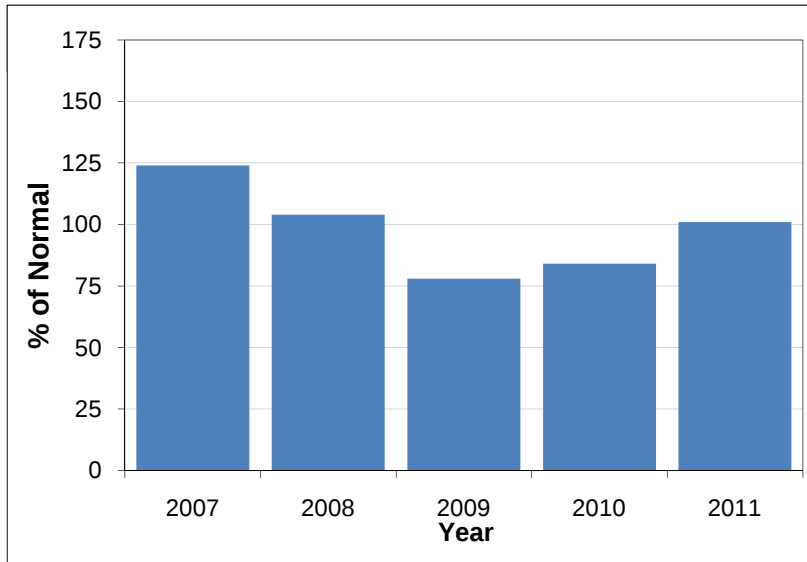
North Thompson



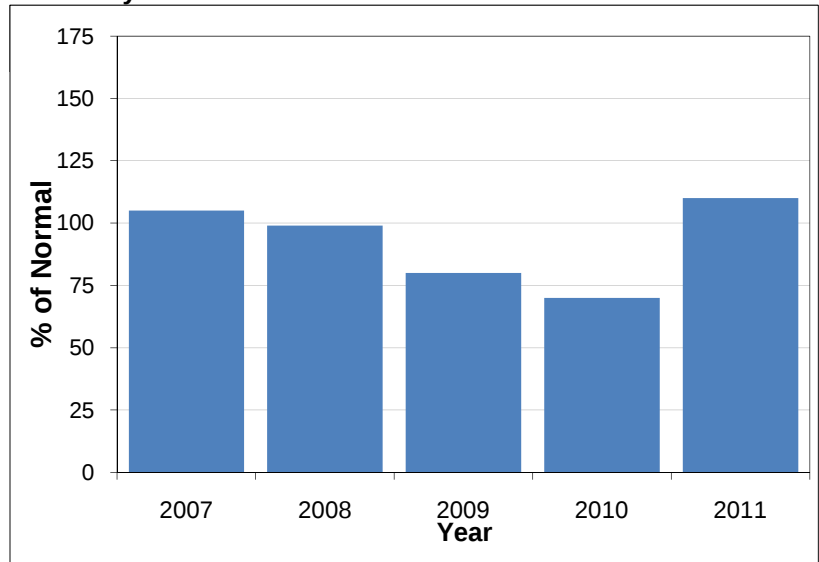
South Thompson



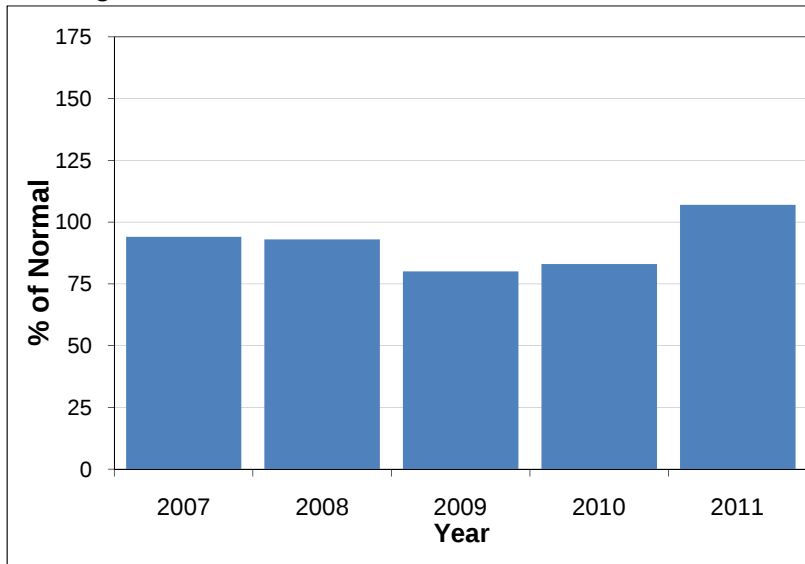
Columbia



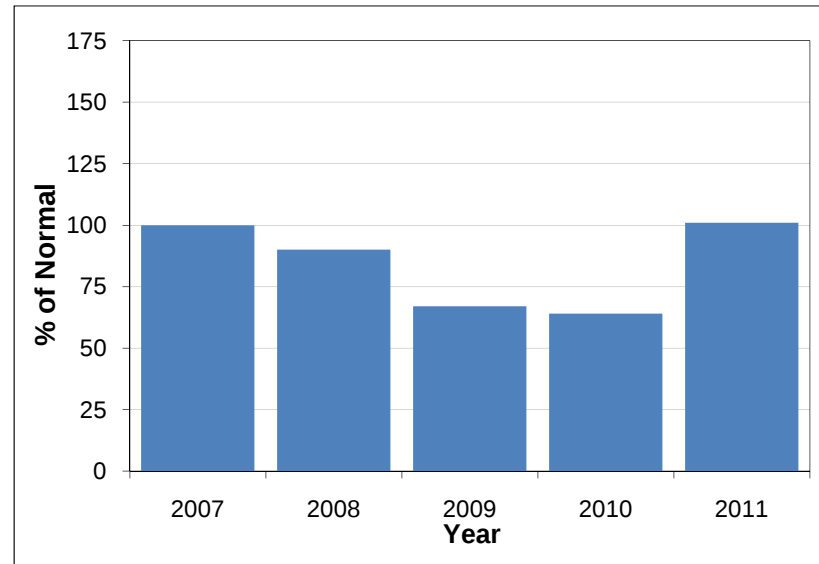
Kootenay



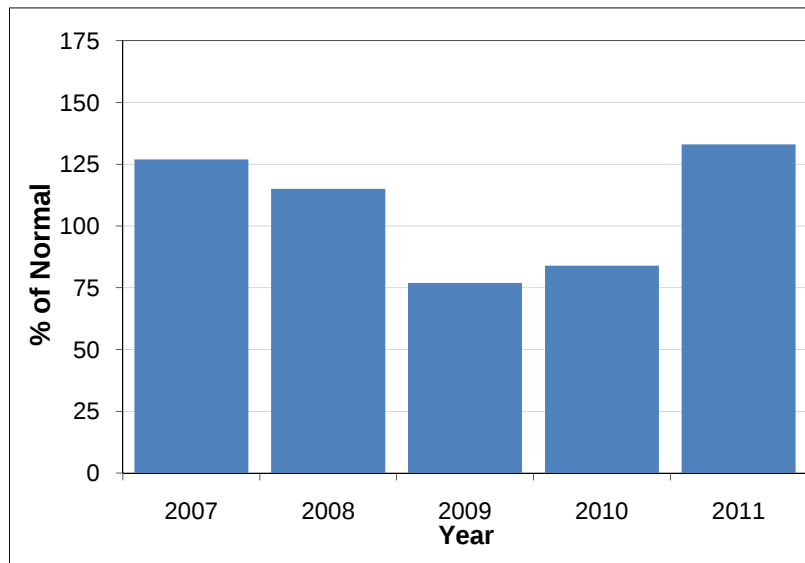
Okanagan-Kettle



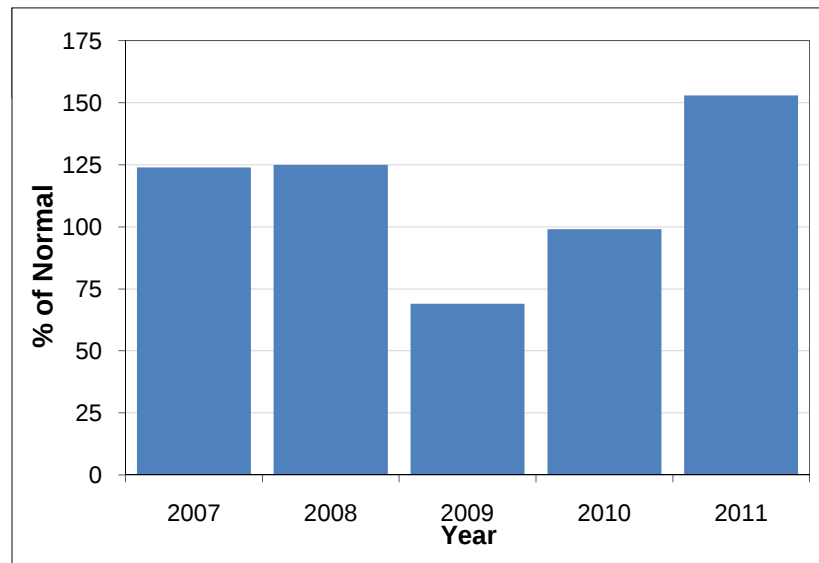
Similkameen



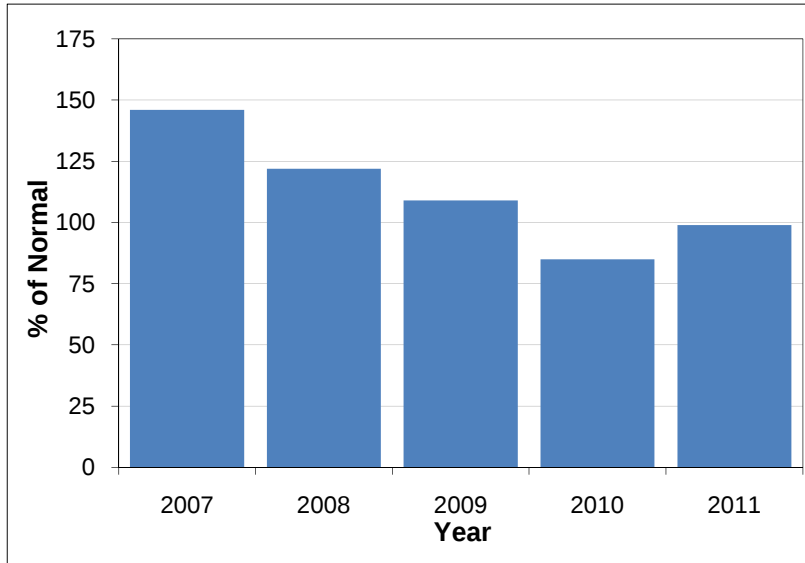
South Coast



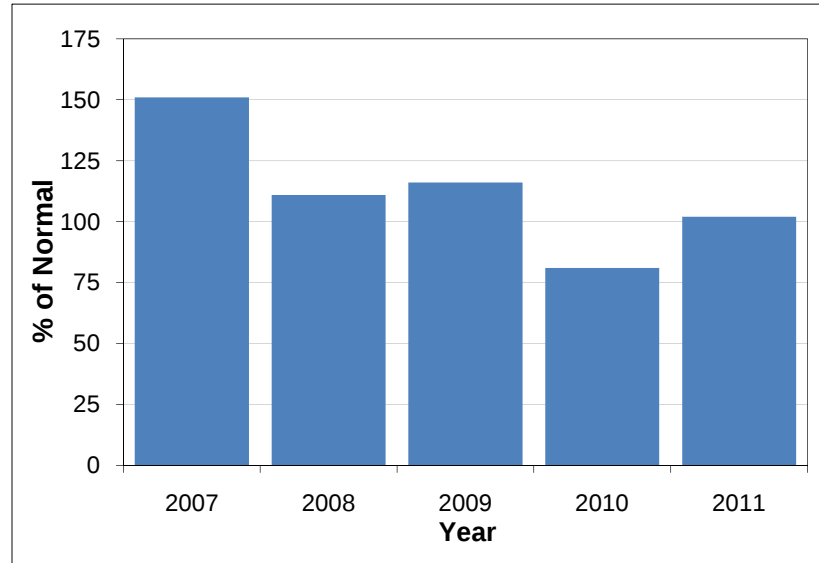
Vancouver Island



Peace



Skeena-Nass





Snow Survey and Water Supply Bulletin – May 1, 2011

The May 1 snow survey is now complete. Data from 142 snow courses and 55 snow pillows around the province and out-of-province sampling locations, and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

Weather patterns in April have been dominated by cooler than normal temperatures throughout British Columbia. Precipitation in April was variable across the province. Near normal or slightly below normal precipitation was observed through the Interior, and above normal precipitation was observed in the southern and north-western portions of the province. Weather patterns are consistent with the La Niña cycle currently being observed.

Snowpack

Typically the transition from snow accumulation to snow melt occurs at most locations in the province near the middle of April. However this year, the cool April has led to an increasing snow pack through most of the province, and a delay in the onset of snow melt. As of May 1st the delay in the onset of melt is about 2 weeks later than normal for most of the province.

The ongoing snow accumulation and delay in melt has led to increases in snow basin indices across the province. Basin snow water indices for BC at May 1 vary from a low of 103% of normal in the North Thompson to a high of 167% of normal on Vancouver Island. Well above normal snow packs (>120% of normal) are present in the Middle Fraser, Lower Fraser, Nicola, Kootenay, Okanagan-Kettle, Similkameen, South Coast and Vancouver Island. Localized high snow packs are present in the Bulkley River and Lower Columbia. Slightly above normal snow basin indices are present in the Upper Fraser, Nechako, South Thompson, Columbia, and Skeena/Nass, and normal conditions are present in the North Thompson and Peace.

In most basins, low to mid elevation snow packs are well above normal, consistent with the cooler and wetter than normal accumulation season. Snow sampling in BC is biased towards high elevation sites. Therefore, some caution is warranted in interpreting the snow basin index values reported here, as they do not fully capture the above normal low to mid elevation snow pack that has been observed. Local observations indicate that the low to mid elevation snow has transitioned to melt, or has melted, in many regions.

1. 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 upon review.



Snow Survey and Water Supply Bulletin – May 1, 2011

BC Snow Basin Indices – May 1, 2011

Basin	% of Normal	Basin	% of Normal
Upper Fraser	109%	Kootenay	142%
Nechako	109%	Okanagan-Kettle	145%
Middle Fraser	122%	Similkameen	141%
Lower Fraser	150%	South Coast	157%
North Thompson	103%	Vancouver Island	167%
South Thompson	110%	Peace	103%
Nicola	151%	Skeena-Nass	110%
Columbia	111%		

Water Supply Outlook

Increases in snow pack levels and the delay in the onset of melt have led to increased flood risk potential in areas of the province. Based on elevated snow pack levels, well above normal spring runoff is expected in the Middle Fraser, Lower Fraser, Nicola, Kootenay, Lower Columbia, Okanagan-Kettle, Similkameen, Bulkley, South Coast and Vancouver Island. Increased flood risk is expected in the Middle Fraser, Nicola, Kootenay, Lower Columbia, Okanagan-Kettle, Similkameen, and Bulkley River. Rivers in these systems experience their peak flows during the spring freshet period. Whether or not significant flooding occurs in these systems will depend primarily on the weather during the snowmelt season in May and June.

In contrast, peak flows in the Lower Fraser, South Coast and Vancouver Island regions are typically associated with major flood events during fall and winter rainfall storm events. Moderate spring flooding can occur in basins with a significant portion of the watershed at high elevation (e.g. Lillooet, Birkenhead), but spring snowmelt driven flows are typically of a smaller magnitude than fall/winter events. Above normal spring freshet runoff can be expected in the Coast and Lower Fraser. While well above normal spring runoff (volume) is forecast in these systems, a modest increase in flood risk potential is expected. An exception to this is in the Birkenhead River where there is an increased potential for flooding.

In regions with near or slightly above normal snow packs (Upper Fraser, Nechako, North Thompson, South Thompson, Upper Columbia, Peace, Skeena/Nass), normal flood risk and seasonal runoff is expected.



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Snow conditions at the end of the winter snow accumulation period comprise only one part of the peak flow and water supply picture. Spring weather has a large influence on the timing and rate at which the snowpack melts, and will determine whether or not significant flooding occurs. The greatest risk for flooding occurs when there is still significant snow available for melt and weather brings well above normal temperatures and/or heavy rainfall.

Commensurate with existing snow pack levels, slightly above normal to well above normal water supply conditions are forecast for the spring runoff season. This should be particularly beneficial for replenishing groundwater, lake and reservoir levels in regions affected by dry conditions in the 2010 season (north-east BC, Skeena-Bulkley and Middle Fraser).

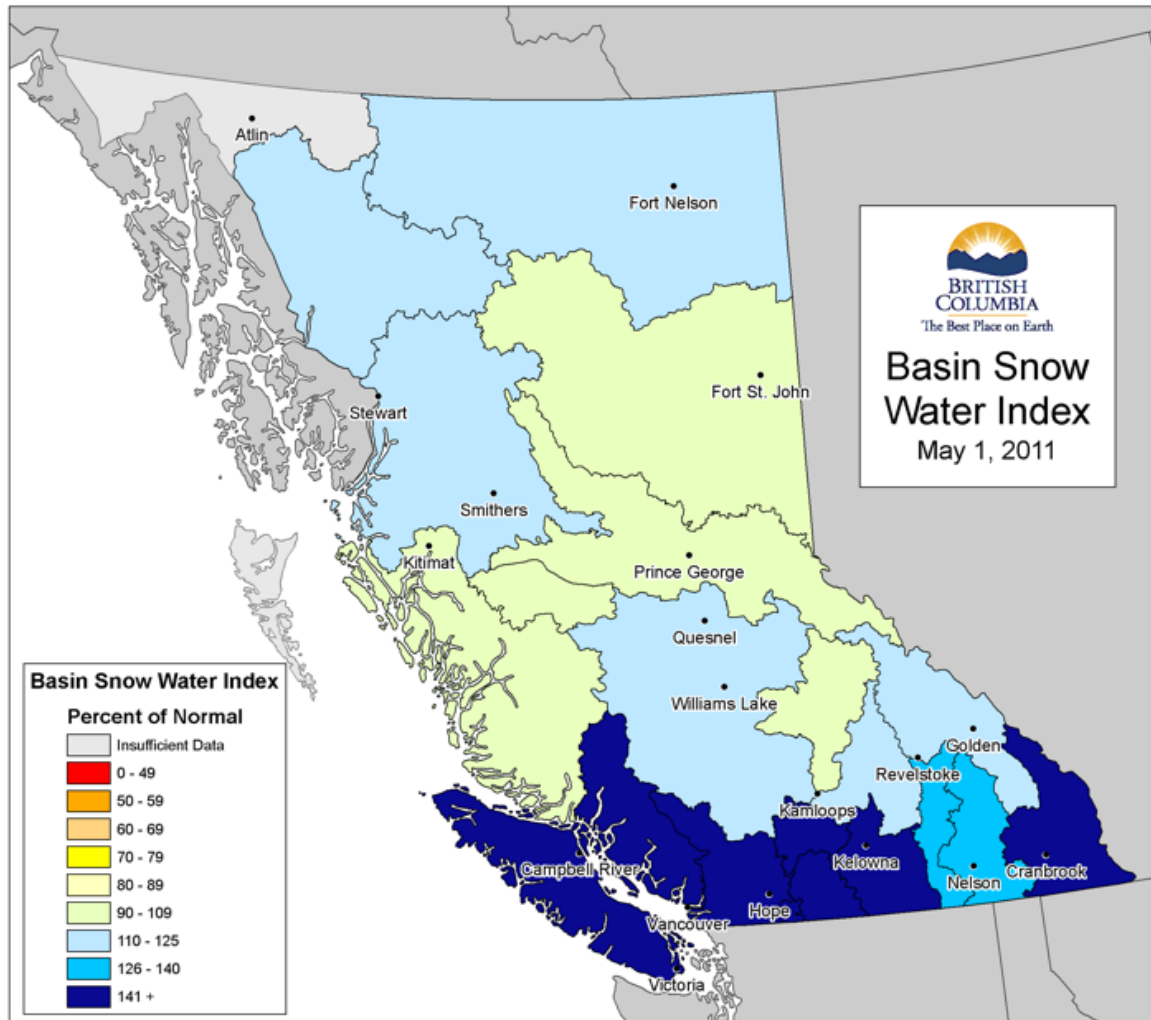
The La Niña cycle that has been present in the equatorial Pacific Ocean throughout the 2010-2011 winter is continuing to weaken and the National Oceanic and Atmospheric Administration (NOAA) is commenting that La Niña will approach neutral conditions by June 2011. La Niña conditions typically bring cooler than normal and wetter than normal weather to British Columbia. The persistence of La Niña conditions into the spring period may affect the melt of the snow pack through the freshet period. Environment Canada is forecasting warmer than normal temperatures for the summer period (July-August).

Weather during the May to June period will affect the specific flood risk in snow melt driven rivers of the province. The River Forecast Centre will continue to monitor the snowpack, weather, and stream flow conditions throughout the snow melt period. The next update to the Snow Bulletin will be on May 24, 2011.

Produced by: BC River Forecast Centre
May 9, 2011



Snow Survey and Water Supply Bulletin – May 1, 2011



UPPER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE	1A11	770	26-Apr	168	741	140	433	755	950	93	530	45
PHILIP LAKE	4A13	980	27-Apr	83	279	139	120	279	406	0	201	46
BURNS LAKE	1A16	800	26-Apr	50	136	1133		52	148	0	12	33
HEDRICK LAKE	1A14	1100	26-Apr	210	903	139	541	901	1090A	263	648	43
HEDRICK LAKE	1A14P	1100	01-May	221	1057	132	698	1091	1133	585	801*	10
BIRD CREEK	1A23	1180	30-Apr	60	204	498	0	146	184	0	41*	20
KAZA LAKE	1A12	1190	27-Apr	114	388	118	166	422	470	166	330	44
LU LAKE	4B15	1300	28-Apr	133	424	152	222	378	528	144	261*	30
LU LAKE	4B15P	1310	01-May	99	422	181	189	356	514	79	233*	11
EQUITY MINE	4B14	1420	28-Apr	152	524	137	340	462	690	212	383	32
MOUNT SHEBA	4A18	1490	26-Apr	246	1079	123	810	1030	1371	503	876	41
BARKERVILLE	1A03P	1520	01-May	124	470	134	196	390	604	165	350	33
MC BRIDE (UPPER)	1A02	1580	28-Apr	144	532	123	368	495	790	241	433	42
KNUDSEN LAKE	1A15	1580	26-Apr	218	947	108	657	1167	1346A	501	874	41
MCBRIDE (UPPER)	1A02P	1620	01-May	154	529	89	377	548	750	377	597*	3
REVOLUTION CREEK	1A17P	1690	01-May	234	888	113	606	1008	1220	486	789	24
LONGWORTH (UPPER)	1A05	1740	26-Apr	225	996	121	724	1118	1476A	391	824	57
DOME MOUNTAIN	1A19	1820	28-Apr	225	857	102	650	992	1138	452	844	37
DOME MOUNTAIN	1A19P	1820	01-May	214	838	99	589	908	1163	570	846*	4
MARMOT JASPER	1A12	1830	28-Apr	92	287	127		196	401	0	226*	38
YELLOWHEAD	1A01P	1860	01-May	N/A	592	92	594	491	836	398	641	13

NECHAKO Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SKINS LAKE	1B05	880	30-Apr	0	0	0	0		100	0	3	41
TAHTSA LAKE	1B02	1300	30-Apr	307	1337	106	1210	1171	2073	701	1258	58
TAHTSA LAKE	1B02P	1300	01-May	N/A	1382	105	1332	1253	2353	826	1320	17
KIDPRICE LAKE	4B01	1370	30-Apr	241	1017	109	871	1105	1591	551	935	58
MOUNT PONDOSY	1B08P	1400	01-May	N/A	863	106	683	680	1277	399	813	16
MOUNT WELLS	1B01	1490	30-Apr	153	582	113	422	655	958	201	515	55
MOUNT WELLS	1B01P	1490	01-May	N/A	606	101	493	774	920	308	598	18
NUTLI LAKE	1B07	1490	30-Apr	145	541	106	433	506	870	252	509*	19
MOUNT SWANNELL	1B06	1620	30-Apr	112	349	120	213	348	499	109	291*	21

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BROOKMERE	1C01	980	30-Apr	64	218	214	23	27	419	0	102	63
NAZKO	1C08	1070	29-Apr	15	39	780			15	0	5*	23
GRANITE MOUNTAIN	1C33A	1150	25-Apr	65	221	819	0	144	213	0	27	17
BRIDGE GLACIER (LOWER)	1C39	1400	01-May	198	802	129	846	244	1018	244	623*	14
DEADMAN RIVER	1C32	1430	30-Apr	49	194	554	0	60	121	0	35	26
BRALORNE	1C14	1450	01-May	59	194	255	79	0	255	0	76	46
SHOVELNOSE MOUNTAIN	1C29	1450	25-Apr	94	305	436	32	39	302	0	70	29
BOSS MOUNTAIN MINE	1C20P	1460	01-May	N/A	651	109	441	548	829	386	595	16
LAC LE JEUNE (UPPER)	1C25	1460	29-Apr	57	168	509	8	22	136	0	33	37
BRENDA MINE	2F18	1460	03-May	89	334	142	90	150	526	0Z	236	41
BRENDA MINE	2F18P	1460	01-May	N/A	344	201	87	179	292	0	171	17
HIGHLAND VALLEY	1C09A	1510	26-Apr	53	106	366	0	29	142	0	29	44
BARKERVILLE	1A03P	1520	01-May	124	470	134	196	390	604	165	350	33
HORSEFLY MOUNTAIN	1C13A	1550	26-Apr	153	634	150	266	536	676	136	422	39
GNAWED MOUNTAIN	1C19	1580	26-Apr	65	170	218	77	71	241	0	78	42
MOUNT TIMOTHY	1C17	1660	27-Apr	108	350	121	175	310	536	118	290	47
YANKS PEAK EAST	1C41P	1670	01-May	221	1024	121	603	1021	1062	536	849	13
PENFOLD CREEK	1C23	1680					916	1082	1420	710	1081	37
GREEN MOUNTAIN	1C12P	1780	01-May	N/A	1029	112	1183	500	1372	500	950	16
MCGILLIVRAY PASS	1C05	1800	01-May	158	661	110	688	360	1118	270	603	57
MISSION RIDGE	1C18P	1850	01-May	N/A	616	114	497	459	963	204	541	23
DOWNTON LAKE (UPPER)	1C38	1890	01-May	238	974	107	1110	450	1340	450	911	13
TYAUGHTON CREEK (NORTH)	1C40	1950	01-May	145	574	147	584	268	806	268	390	14
BRALORNE(UPPER)	1C37	1980	01-May	189	742	103	788	364	1092	364	718	14

LOWER FRASER Drainage Basin

		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
SUMALLO RIVER WEST	3D01C	790	04-May	63	245	204		165	371	0	120	18
BROOKMERE	1C01	980	30-Apr	64	218	214	23	27	419	0	102	63
DISAPPOINTMENT LAKE	1D18P	1040	01-May	N/A	2460	175	1448		2044P	500P	1408*	8
CALLAGHAN CREEK	3A20	1040	29-Apr	308	1416	176	828	524	1568	156	805	32
DICKSON LAKE	1D16	1070	04-May	497	2270	146	1520	1470	3180A	520	1550	17
DOG MOUNTAIN	3A10	1080	03-May	390	1795	145	981	1225	2760A	122	1238	26
BEAVER PASS	WA12	1120	01-May	254	1113	150	589	559	1600	79	744*	61
KLESILKWA	3D03A	1130	04-May	82	324	195	0	293	752	0	166	36
SPUZZUM CREEK	1D19P	1180	01-May	407	2039	121	1601	1028	2936P	409	1682*	11
STAVE LAKE	1D08	1210	04-May	510	2366	143	1675	1122	3120A	574	1653	43
WAHLEACH LAKE	1D09	1400	04-May	252	983	141	620	542	1417	177	699	42
WAHLEACH LAKE	1D09P	1400	01-May	N/A	1136E	100	981	881	1585	509	1140	18
NAHATLATCH RIVER	1D10	1520	04-May	472	2376	160	1751	913	2720A	608	1487	41
CHILLIWACK RIVER	1D17P	1600	01-May	N/A	2142	142	1575	1448	2405P	720	1504*	17
TENQUILLE LAKE	1D06P	1680	01-May	314	1474	138	1356	686	1695	653	1065*	9

NORTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BLUE RIVER	1E01B	670	24-Apr	65	226	628	11		265	0	36	27
BOSS MOUNTAIN MINE	1C20P	1460	01-May	N/A	651	109	441	548	829	386	595	16
MOUNT COOK	1E02P	1550	01-May	330	1379E	107	1298	1110	1665	924	1294*	9
AZURE RIVER	1E08P	1620	01-May	233	1268	99	1157	1106	1620	773	1280	13
ADAMS RIVER	1E07	1720	24-Apr	215	760	100	718	610	1173	396	762	39
KOSTAL LAKE	1E10P	1770	01-May	281	1001	109	736	900	1256	640	921	25
TROPHY MOUNTAIN	1E03A	1860	25-Apr	170	593	96	546	600	960	417	619	34

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ANGLEMONT	1190	29-Apr	96	398	187	0	221	496	0	213	52
ABERDEEN LAKE	1310	27-Apr	53	165	611	0	0	144	0	27	55
MONASHEE PASS	1370	01-May	121	431	148	150	337	505	67	291	50
BOULEAU LAKE	1400	01-May	83	284	92	40	150	488	40	309	38
CELISTA	1500	01-May	249	1066	110	885	799	1185	799	968*	4
ADAMS RIVER	1720	24-Apr	215	760	100	718	610	1173	396	762	39
KIRBYVILLE LAKE	1750	29-Apr	303	1301	103	1158	1061	1797	770	1269	38
SILVER STAR MOUNTAIN	1840	01-May	236	969	127	659	650	1135	371	765	51
PARK MOUNTAIN	1890	01-May	275	1100	113	779	889	1343	653	976	25
ENDERBY	1900	01-May	324	1212	110	926	875	1430	700	1106	47

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DOWNIE SLIDE (LOWER)	980	29-Apr	170	760	145	392	544	910	0	525	32
GLACIER	1250	30-Apr	184	877	125	476	627	1247	320	703	64
FIELD	1280	03-May	37	133	532			178	0	25	48
SUNWAPTA FALLS	1400	28-Apr	74	239	168	109	74	389	0	142*	39
VERMONT CREEK	1520	03-May	136	550	142	259	235	1026	140	388	44
AZURE RIVER	1620	01-May	233	1268	99	1157	1106	1620	773	1280	13
DOWNIE SLIDE (UPPER)	1630	29-Apr	326	1362	96	1318	1110	2242	802	1424	31
KICKING HORSE	1650	02-May	109	408	129	255	240	589	63	316	60
KIRBYVILLE LAKE	1750	29-Apr	303	1301	103	1158	1061	1797	770	1269	38
MOUNT REVELSTOKE	1830	01-May	N/A	1572E	121	968	1035	1625	874	1304	17
FIDELITY MOUNTAIN	1870	28-Apr	331	1522	113	1140	1231	1986	817	1341	47
BEAVERFOOT	1890	03-May	79	246	119	62	90	495	58	207	49
KEYSTONE CREEK	1890	29-Apr	257	1005	116	788	659	1421	514	863	44
GOLDSTREAM	1920	29-Apr	317	1325	108	989	1043	1781	850	1229	47
BUSH RIVER	1920	29-Apr	195	780	87	744	572	1392	492	892	42
NIGEL CREEK	1920	28-Apr	125	435	102	353	338	752	207	425*	40
MOUNT ABBOT	1980	30-Apr	338	1443	106	1146	1175	1811	853	1361	48
MOLSON CREEK	1980	01-May	N/A	1020	94	1091	983	1677	746	1080	27
SUNBEAM LAKE	2010	29-Apr	258	1066	109	899	828	1562	611	976	43
BOW SUMMIT II	2080	26-Apr	124	409	108	265	248	597	201	380*	30

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	06-May	148	718	162	353	364	773	160	444	64
FARRON	2B02A	1220	27-Apr	103	400	177	103	206	406	23	226	37
MONASHEE PASS	2E01	1370	01-May	121	431	148	150	337	505	67	291	50
WHATSHAN (UPPER)	2B05	1480	01-May	194	821	138	418	577	983	255	594	49
BARNES CREEK	2B06	1620	01-May	177	661	132	282	512	742	211	500	49
BARNES CREEK	2B06P	1620	01-May	N/A	746	135	371	574	818	360	554	17
ST. LEON CREEK	2B08	1800	01-May	396	1684	126	980	1036	1974	816	1340	43
ST. LEON CREEK	2B08P	1800	01-May	N/A	1478	125	825	960	1501	701	1181	16
KOCH CREEK	2B07	1860	01-May	254	959	118	676	575	1201	391	815	49
RECORD MOUNTAIN	2B09	1890	28-Apr	282	1000	128	652	500	1278	157	783	35
EAST CREEK	2D08P	2030	01-May	N/A	1080	113	765	660	1346	480	967	28

EAST KOOTENAY Drainage Basin

		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
Snow Course Name and Number				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERNIE EAST	2C07	1250	28-Apr	113	402	210	0	118	541	0	191	58
SINCLAIR PASS	2C01	1370	29-Apr	59	129	226	0	21	246	0	57	63
BRUSH CREEK TIMBER	MT03	1520	27-Apr	114	472	360		91	417	0	131*	59
SULLIVAN MINE	2C04	1550	27-Apr	108	378	163	86	224	518	0	232	64
VERMILION RIVER NO.3	2C20	1612						196	422	71	229	15
WEASEL DIVIDE	MT02	1660					589	676	1422	348	827*	70
KIMBERLEY (MIDDLE) VOR	2C12	1680	02-May	105	391	192	38	232	483	0	204	41
BANFIELD MOUNTAIN	MT05P	1710	01-May	193	661	142	186	450	884	127	465	13
BANFIELD MOUNTAIN	MT05	1710						450	945	142	520*	24
MOUNT JOFFRE	2C16	1750	03-May	157	568	146	216	342	772	180	389	41
MORRISSEY RIDGE	2C09Q	1800	01-May	N/A	1035	148	450	592	1345	317	700	24
RED MOUNTAIN	MT04	1830	28-Apr	180	658	151	282	498	841	0	435*	72
MOYIE MOUNTAIN	2C10P	1930	01-May	N/A	657E	187	171	469	674	18	351	30
HAWKINS LAKE	MT06	1970						693	1308	333	843*	24
HAWKINS LAKE	MT06P	1970	01-May	297	1107	143	504	693	1041	353	772	13
ALLISON PASS	AL01	1980	02-May	192	716	157	103	461	838	103	455*	23
WILKINSON SUMMIT (BUSH)	AL03	1980	02-May	98	310	186	198	208	279	23	167*	21
THUNDER CREEK	2C17	2010	03-May	117	367	122	192	296	556	163	302	39
FLOE LAKE	2C14	2090					656	649	1369	497	856	41
FLOE LAKE	2C14P	2090	01-May	N/A	956	121	675	660	1035	481	788	15
KIMBERLEY (UPPER) VOR	2C11	2140	02-May	170	567	114	354	425	935	188	498	41
HIGHWOOD SUMMIT (BUSH)	AL02	2210	03-May	164	537	118	378	388	726	221	454*	45
MOUNT ASSINIBOINE	2C15	2230					489	494	930	339	607	41
SUNSHINE VILLAGE	AL05	2230	02-May	203	750	119	479	503	1092	338	629*	43

WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
DUNCAN LAKE NO. 2	2D07A	650	30-Apr	0	0	N/A			0	0	0*	13
FERGUSON	2D02	880	06-May	148	718	162	353	364	773	160	444	65
NELSON	2D04	930	27-Apr	67	276	156	0	107	508	0	177	55
SANDON	2D03	1070							399	0	83	59
CHAR CREEK	2D06	1310	01-May	168	622	130	328	409	838	79	480	44
SMITH CREEK	ID01	1460					1021	879	1920	119	1043*	58
BUNCHGRASS MEADOW	WA01P	1520	01-May	246	931	136	590	660	1224	391	683	14
GRAY CREEK (LOWER)	2D05	1550	29-Apr	198	714	157	308	405	726	229	456	61
KOCH CREEK	2B07	1860	01-May	254	959	118	676	575	1201	391	815	50
MOUNT TEMPLEMAN	2D09	1860	03-May	289	1282	112	844	872	1679	731	1144	43
GRAY CREEK (UPPER)	2D10	1910	29-Apr	284	1042	127	620	712	1300	505	821	41
EAST CREEK	2D08P	2030	01-May	N/A	1080	113	765	660	1346	480	967	29
REDFISH CREEK	2D14P	2104	01-May	329	1669	123	1223	889	1706	889	1359*	9

KETTLE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FARRON	2B02A	1220	27-Apr	103	400	177	103	206	406	23	226	38
CARMI	2E02	1250	30-Apr	45	144	497	0	46	173	0	29	47
MONASHEE PASS	2E01	1370	01-May	121	431	148	150	337	505	67	291	51
BIG WHITE MOUNTAIN	2E03	1680	30-Apr	190	644	130	392	380	762	237	494	45
GRANO CREEK	2E07P	1860	01-May	N/A	748	128	458	435	806	420	584*	13
BLUEJOINT MOUNTAIN	2E06	2040						560	1201	287	775	34

OKANAGAN Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SUMMERLAND RESERVOIR	2F02	1280	29-Apr	71	216	167	0	125	368	0	129	45
MC CULLOCH	2F03	1280	02-May	39	142	473	0	0	188	0	30	65
ABERDEEN LAKE	1F01A	1310	27-Apr	53	165	611	0	0	144	0	27	56
OYAMA LAKE	2F19	1340	28-Apr	64	176	267	7	95	185	0	66	41
POSTILL LAKE	2F07	1370	29-Apr	82	226	167	44	179	282	0	135	59
VASEUX CREEK	2F20	1400					0	0	192	0	59	40
BOULEAU LAKE	2F21	1400	01-May	83	284	92	40	150	488	40	309	39
TROUT CREEK	2F01	1430	29-Apr	90	269	289	75	91	386	0	93	63
TROUT CREEK (WEST)	2F01A	1430	29-Apr	86	292	N/A	112					2
BRENDA MINE	2F18	1460	03-May	89	334	142	90	150	526	0	236	42
BRENDA MINE	2F18P	1460	01-May	N/A	344	201	87	179	292	0	171	18
ISLAHT LAKE	2F24	1480	28-Apr	101	324	115	149	171	433	64	282	29
GREYBACK RESERVOIR	2F08	1550	05-May	98	356	197	170	189	386	0	181	39
ESPERON CR (UPPER)	2F13	1650	29-Apr	128	416	106	270	254	805	119	391	41
ISINTOK LAKE	2F11	1680	28-Apr	85	205	150	32	110	437	0	137	45
MACDONALD LAKE	2F23	1740	03-May	153	576	125	388	316	650	198	459	30
MISSION CREEK	2F05P	1780	01-May	196	658	134	439	473	784	140	490	39
GRAYSTOKE LAKE	2F04	1810					206	240	940	120	412	39
MOUNT KOBAL	2F12	1810	30-Apr	134	436	135	339	224	597	53	324	45
WHITEROCKS MOUNTAIN	2F09	1830	29-Apr	156	590	110	446	348	1013	175	534	40
SILVER STAR MOUNTAIN	2F10	1840	01-May	236	969	127	659	650	1135	371	765	52

SIMILKAMEEN Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BROOKMERE	1C01	980	30-Apr	64	218	214	23	27	419	0	102	64
FREEZEOUT CREEK TRAIL	WA11	1070	01-May	86	312	178	0	196	658	0	175*	59
LIGHTNING LAKE	3D02	1220	02-May	106	398	153	193	232	599	7	260	39
HAMILTON HILL	2G06	1490	03-May	92	302	113	40	186	838	0	268	51
MISSEZULA MOUNTAIN	2G05	1550	03-May	83	256	166	6	104	323	0	154	46
ISINTOK LAKE	2F11	1680	28-Apr	85	205	150	32	110	437	0	137	45
LOST HORSE MOUNTAIN	2G04	1920	02-May	95	371	151	167	227	554	64	245	48
BLACKWALL PEAK	2G03P	1940	01-May	249	1041	125	713	653	1566	375	832	43
HART'S PASS	WA09	1980	29-Apr	356	1473	128	1107	861	1847	531	1150*	67
HART'S PASS	WA09P	1980	01-May	335	1682	158	911	864	1669	350	1067	14

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE 3A09	880	04-May	470	2252	152	1160	1204	3600A	0	1479	57
PALISADE LAKE 3A09P	880	01-May	N/A	N/A	N/A	378		1268	378	1174*	4
CALLAGHAN CREEK 3A20	1040	29-Apr	308	1416	176	828	524	1568	156	805	33
DOG MOUNTAIN 3A10	1080	03-May	390	1795	145	981	1225	2760A	122	1238	27
GROUSE MOUNTAIN 3A01	1100	03-May	443	1992	164	1040	1310	2870A	120	1212	61
ORCHID LAKE 3A19	1190	04-May	596	2980	147	1913	1523	3845A	900	2030	38
ORCHID LAKE 3A19P	1190	01-May	N/A	2508	127	1689		3862	791	1977*	22
UPPER SQUAMISH RIVER 3A25P	1340	01-May	N/A	2607E	159	1682		2760P	990	1635	21
NOSTETUKO RIVER 3A22P	1500	01-May	N/A	964	175	668		1065	207	551*	19
UPPER MOSELY CREEK 3A24P	1650	01-May	115	393	153	318	240	533	143	257*	22

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ELK RIVER 3B04	270	29-Apr	0	0	N/A	0	0	0	0	0*	27
WOLF RIVER (LOWER) 3B19	640	29-Apr	166	718	374	106	100	1118	0	192	41
UPPER THELWOOD LAKE 3B10	980					1650	1040	3560A	524	1594	50
WOLF RIVER (MIDDLE) 3B18	1070	29-Apr	294	1246	213	818	332	1652	0	584	40
FORBIDDEN PLATEAU 3B01	1130	29-Apr	585	2865	176	1868	888	3500A	448	1628	54
JUMP CREEK 3B23P	1160	01-May	443	2198	190	1138	953	2004	266	1159	14
MOUNT COKELY 3B02A	1250	28-Apr	359	1482	174			2062	196	850	29
WOLF RIVER (UPPER) 3B17P	1490	01-May	443	2274	157	1926	838	1926	439	1445	22

NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
WEDEENE RIVER SOUTH 3C07	300							749	0	136*	26
TAHTSA LAKE 1B02	1300	30-Apr	307	1337	106	1210	1171	2073	701	1258	59
TAHTSA LAKE 1B02P	1300	01-May	N/A	1382	105	1332	1253	2353	826	1320	18
BURNT BRIDGE CREEK 3C08P	1330	01-May	N/A	835	106	676		1470	450	791*	13

SKAGIT Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SUMALLO RIVER WEST	3D01C	790	04-May	63	245	204		165	371	0	120	18
FREEZEOUT CREEK TRAIL	WA11	1070	01-May	86	312	178	0	196	658	0	175*	59
BEAVER PASS	WA12	1120	01-May	254	1113	150	589	559	1600	79	744*	62
KLESILKWA	3D03A	1130	04-May	82	324	195	0	293	752	0	166	37
LIGHTNING LAKE	3D02	1220	02-May	106	398	153	193	232	599	7	260	39
HARTS PASS	WA09	1980	29-Apr	356	1473	128	1107	861	1847	531	1150*	67
HARTS PASS	WA09P	1980	01-May	335	1682	158	911	864	1669	350	1067	14

PEACE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE	1A11	770	26-Apr	168	741	140	433	755	950	93	530	46
WARE (LOWER)	4A04	980	28-Apr	56	156	125	49	225	229	0	125	44
PHILIP LAKE	4A13	980	27-Apr	83	279	139	120	279	406	0	201	47
AIKEN LAKE	4A30P	1040	01-May	N/A	249	159	98	270	315	71	157	24
TUTIZZI LAKE	4A06	1070	27-Apr	77	266	172	92	268	325	0	155	47
TSAYDAYCHI LAKE	4A12	1160	27-Apr	130	500	132	287	388	700	168	380	48
KAZA LAKE	1A12	1190	27-Apr	114	388	118	166	422	470	166	330	45
PULPIT LAKE	4A09	1310	28-Apr	115	382	96	321	564	623	287	399	46
PULPIT LAKE	4A09P	1310	01-May	N/A	412	105	283	616	646	283	394	20
FREDRICKSON LAKE	4A10	1310	27-Apr	79	216	93	107	306	358A	107	232	47
PINE PASS	4A02P	1400	01-May	N/A	973	84	893	1151	1701	893	1165	19
TRYGVE LAKE	4A11	1400	27-Apr	112	354	95	336	452	599	272	371	47
SIKANNI LAKE	4C01	1400	28-Apr	92	267	106	166	390	404	115	252	47
PINE PASS	4A02	1400	26-Apr	273	1172	96	1049	1151	1701	936	1165	19
MORFEE MOUNTAIN	4A16	1450	26-Apr	207	893	110	525	861	1181A	410	810	40
LADY LAURIER LAKE	4A07	1460	29-Apr	148	585	111	487	586	926	305	528	48
MOUNT SHEBA	4A18	1490	26-Apr	246	1079	123	810	1030	1371	503	876	42
GERMANSEN (UPPER)	4A05	1500	27-Apr	123	422	119	280	372	597	181	355	49
MOUNT STEARNS	4A21	1500	28-Apr	77	207	145	90	183	271	0	143	37
JOHANSON LAKE	4B02	1540	27-Apr	98	303	103	177	364	433	143	295	48
MONKMAN CREEK	4A20	1550	26-Apr	204	809	132	511	707	1042	329	614	33
WARE (UPPER)	4A03	1570	28-Apr	94	252	92	164	325	402	141	273	47
KWADACHA RIVER	4A27P	1620	01-May	N/A	293	81	259	394	476	259	362*	23

LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
WATSON LAKE A	YK01	700				0	207	207	0	44*	40
FRANCES RIVER	YK02	730				16	261	261	0	84*	34
DEASE LAKE	4C03	820	34	56	140	0	120	178	0	40	44
JADE CITY	4C15	940	30-Apr	158	84	23	350	350	116A	189*	9
SUMMIT LAKE	4C02	1280	03-May	98	258	11	126	200A	0	38	43
SIKANNI LAKE	4C01	1400	28-Apr	92	267	166	390	404	115	252	47

SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BEAR PASS	4B11A	460						860	256	575	24
NINGUNSAW PASS	4B10	690	29-Apr	294	120	0	498	676	0	246	35
CEDAR-KITEEN	4B18P	885	01-May	624	99	208	1030	1081	208	630*	10
MCKENDRICK CREEK	4B07	1050	29-Apr	398	169		191	422	80	236	43
TACHEK CREEK	4B06	1140	29-Apr	283	165	132	244	363	55	172	41
KAZA LAKE	1A12	1190	27-Apr	388	118	166	422	470	166	330	45
LU LAKE	4B15	1300	28-Apr	424	152	222	378	528	144	261*	31
LU LAKE	4B15P	1310	01-May	422	181	189	356	514	79	233*	12
TSAL CREEK	4B17P	1360	01-May	1476	114	1314	1355	2082	975	1300*	13
KIDPRICE LAKE	4B01	1370	30-Apr	1017	109	873	1105	1591	551	935	59
TRYGVE LAKE	4A11	1400	27-Apr	354	95	336	452	599	272	371	47
EQUITY MINE	4B14	1420	28-Apr	524	137	340	462	690	212	383	33
CHAPMAN LAKE	4B04	1460	29-Apr	622	128		483	749	308	485	43
MOUNT CRONIN	4B08	1480	29-Apr	810	124	591	562	1125	422	653	40
HUDSON BAY MTN.	4B03A	1480	29-Apr	618	116	410	595	795	343	532	39
SHEDIN CREEK	4B16P	1480	01-May	926	93	651	1069	1226	651	992*	13
JOHANSON LAKE	4B02	1540	27-Apr	303	103	177	364	433	143	295	48

STIKINE/TAKU Drainage Basin

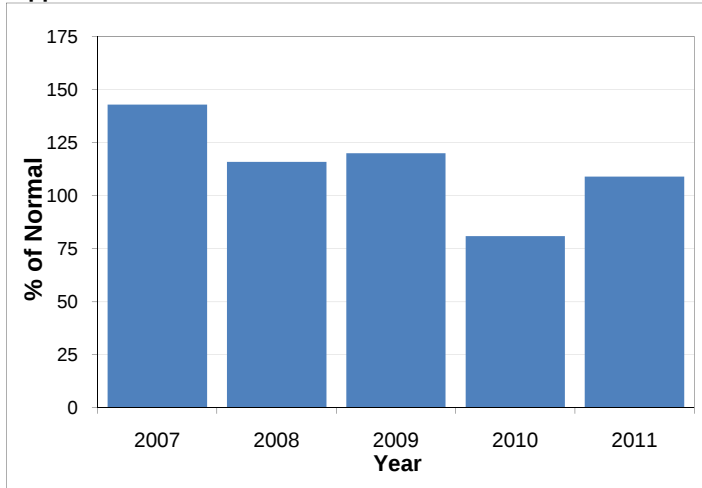
Snow Course Name and Number		Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SPUEL RIVER	AK03	80	30-Apr	86	340	50	432		1224	340	679*	5
TELEGRAPH CREEK	4D01	580	27-Apr	0	0	0	0	150	163	0	28	35
NINGUNSAW PASS	4B10	690	29-Apr	70	294	120	0	498	676	0	246	35
DEASE LAKE	4C03	820	27-Apr	34	56	140	0	120	178	01	40	44

YUKON Drainage Basin

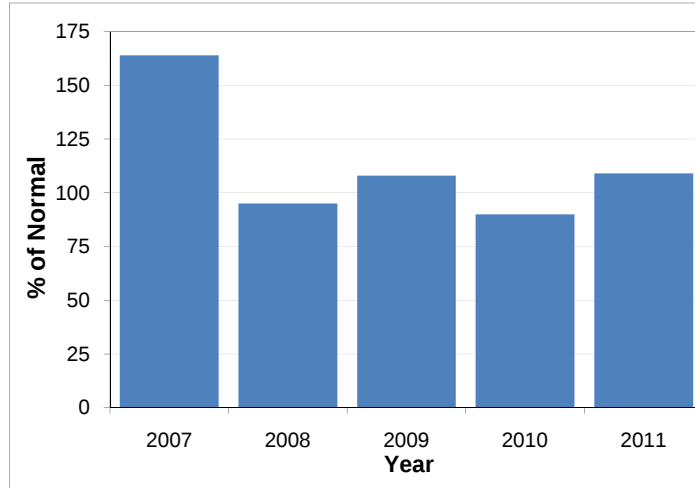
Snow Course Name and Number	Elev. metres	Date of Survey	May 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ATLIN LAKE 4E02A	730	01-May	0	0	0	0	49	156	0	20*	25
LOG CABIN 4E01	880					345	513	531	127	352	53
PINE LK AIRSTRIP YK03	1010					154	324	327	89	190*	35
MONTANA MTN. YK05	1020					85	202	202	0	113*	35
WAGISH YK04	1080					123	191	205	0	112*	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											

Snow Basin Index Graphs - May 1, 2011

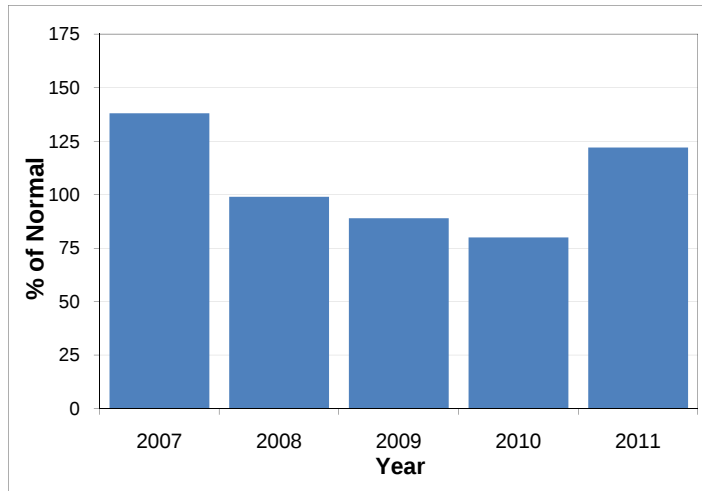
Upper Fraser



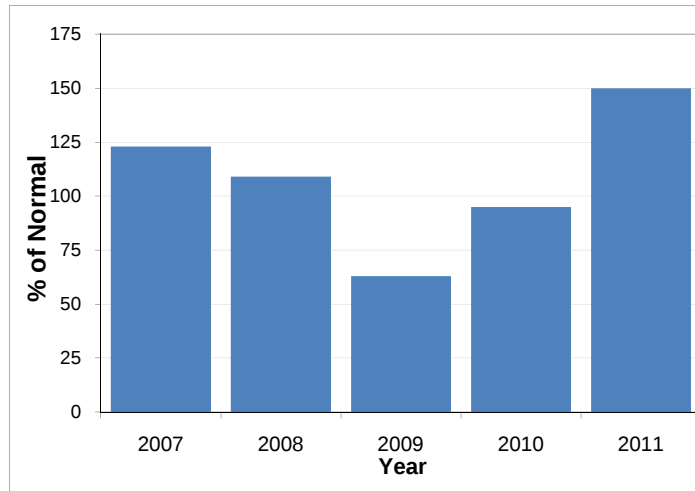
Nechako



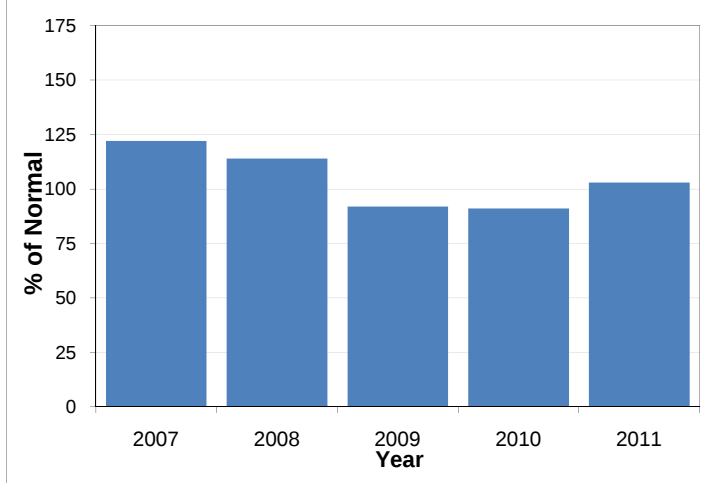
Middle Fraser



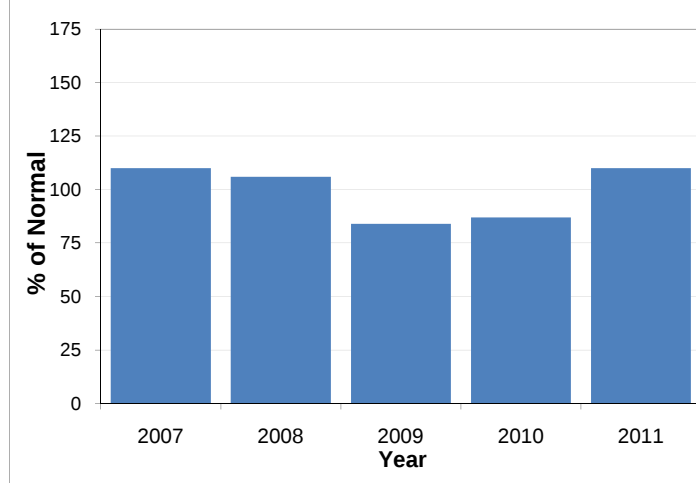
Lower Fraser



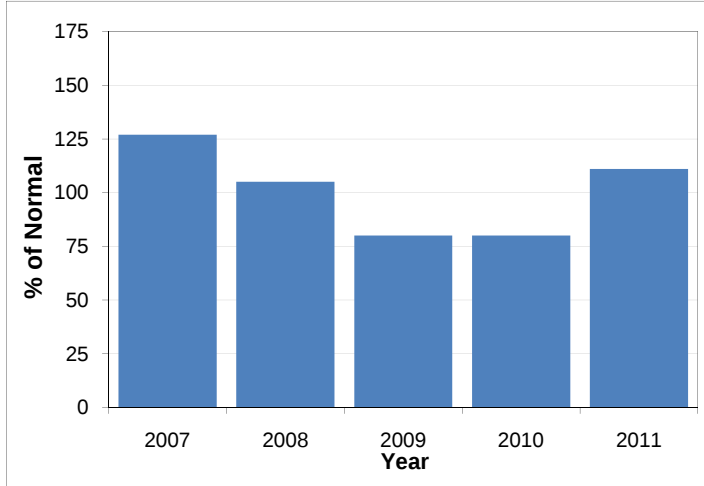
North Thompson



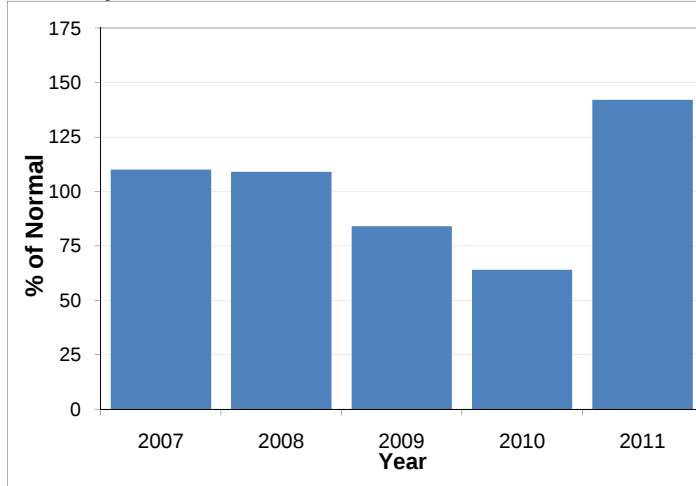
South Thompson



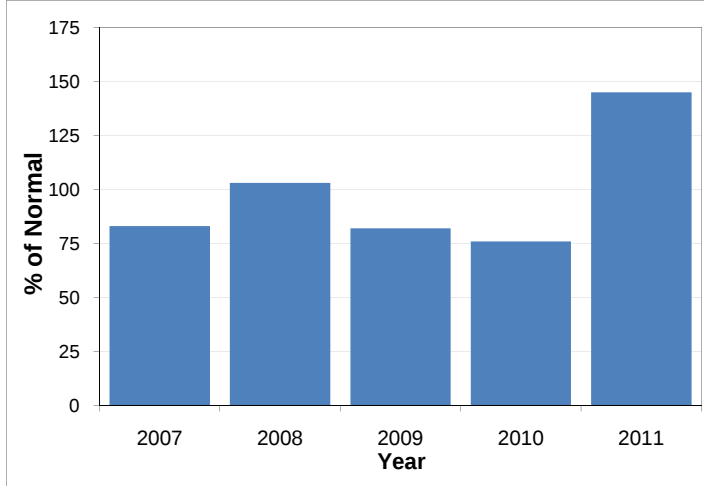
Columbia



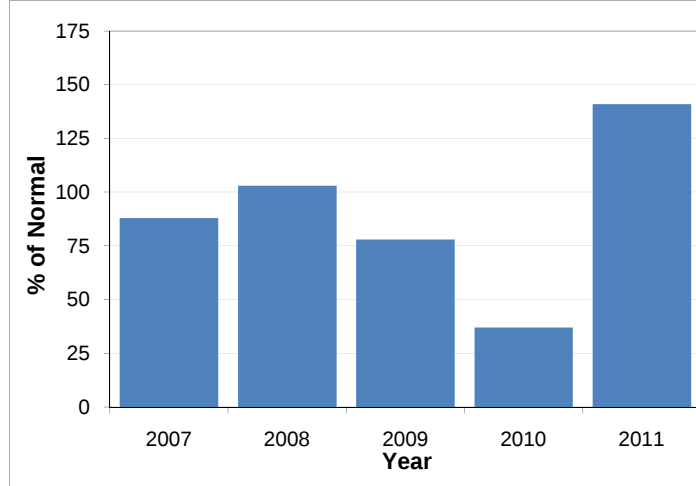
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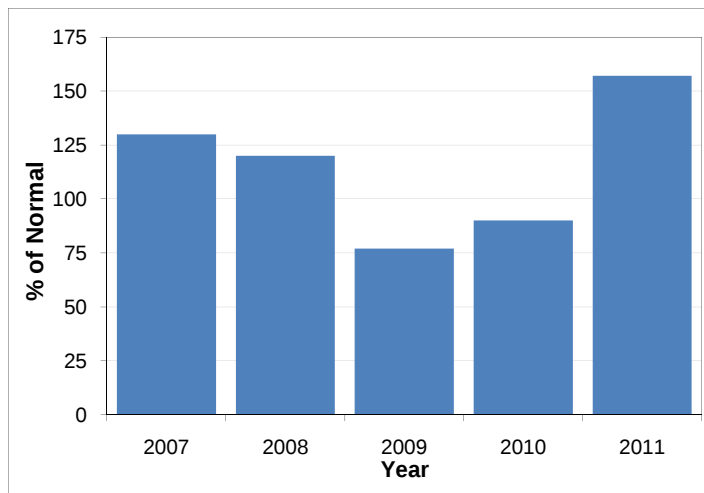
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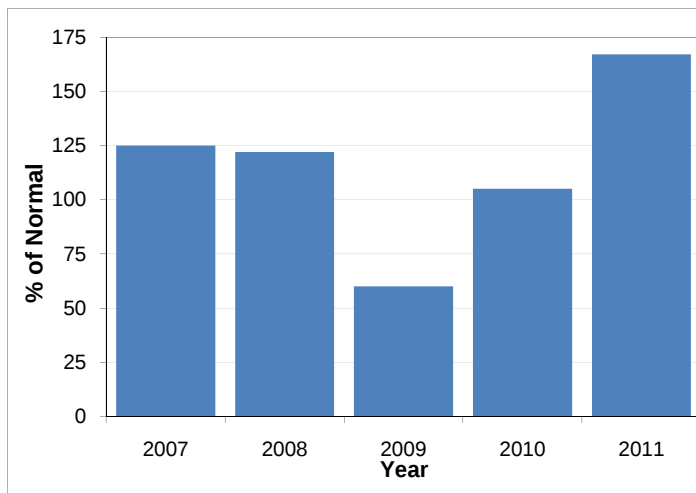
Similkameen



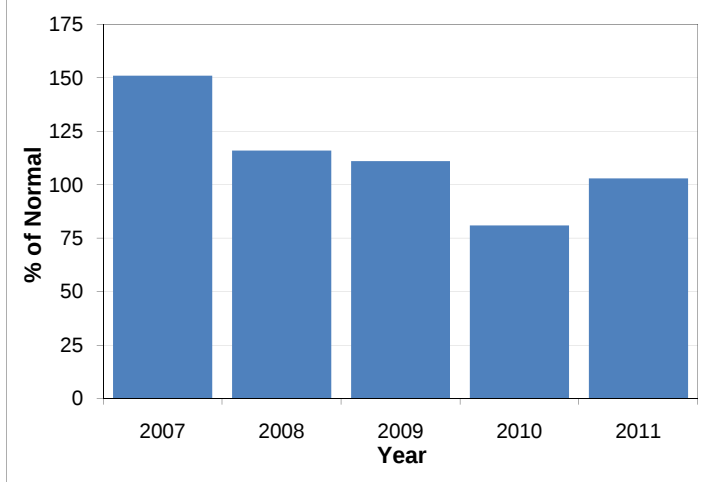
South Coast



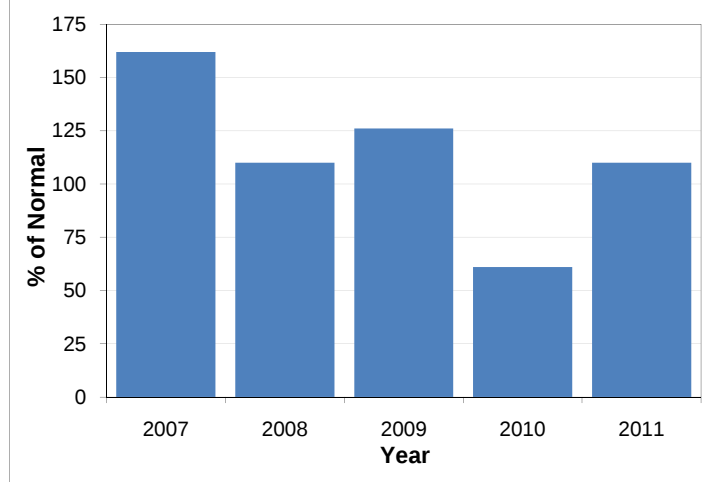
Vancouver Island



Peace



Skeena-Nass





Snow Survey and Water Supply Bulletin – May 15, 2011

The May 15th snow survey is now complete. Data from 44 snow courses and 55 snow pillows around the province and out-of-province sampling locations, and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

Weather patterns in May have been dominated by cooler than normal temperatures throughout British Columbia. Weather has been unsettled, and patterns are consistent with the La Niña cycle observed through the winter/spring.

Snowpack

Typically the transition from snow accumulation to snow melt occurs at most locations in the province near the middle of April. However this year, the cool April and May has led to a delay in the onset of snow melt. As of May 15th most snow survey locations have transitioned to melt. The delay in the onset of melt is about 3-4 weeks later than normal for most of the province.

The ongoing delay in melt has led to increases in snow basin indices across the province. Snow basin indices represent the difference between a “normal” year and the current year for given sampling date, in this case May 15th. A note of caution in interpreting snow basin indices at this time of year is that with a delay in the onset of snow melt, differences between observed and normal snow pack levels can become large. This is because in a normal year snow water equivalents are lowering because the snow has melted, whereas this years’ snow pack has not melted so the snow water equivalents remain high.

Basin snow water indices for BC at May 15 vary from a low of 98% of normal in the Peace to a high of 276% of normal in the Similkameen. Well above normal snow packs (>120% of normal) are present across the province, except in the Upper Fraser, North Thompson, and Peace, where near normal or slightly above normal snowpack levels are observed.

BC Snow Basin Indices – May 15, 2011

Basin	% of Normal	Basin	% of Normal
Upper Fraser	117%	Okanagan-Kettle	173%
Nechako	137%	Similkameen	276%
Middle Fraser	152%	South Coast	155%
Lower Fraser	141%	Vancouver Island	173%
North Thompson	110%	Peace	98%
South Thompson	125%	Skeena-Nass	139%
Columbia	109%		
Kootenay	201%		

1. 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 upon review.



Snow Survey and Water Supply Bulletin – May 15, 2011

Water Supply Outlook

In general, the main difference in water supply outlook and flood risk potential since the May 1st bulletin is the ongoing delay in the onset of snow melt. Delays in the snow melt season lead to increases in potential flood risk because more water is available for melt later in the season when warmer temperatures are more likely to occur.

Snow water equivalents have remained fairly similar to May 1st levels, with some variability across snow pack sampling locations. While the % of normal values have increased for most of the province, these increases are due to the delay in snowmelt, not the significant addition of water stored in the snow pack.

Based on elevated snow pack levels (>150% of normal) and delays in the melt season, increased flood risk is present in the Middle Fraser, Kootenay, Okanagan-Kettle, and Similkameen. Whether or not significant flooding occurs in these systems will depend primarily on the weather through the rest of May and June.

Additional areas noted in the May 1st snow bulletin include the Bulkley and Nicola Rivers, however additional analysis has not been completed for the May 15th bulletin for these systems. Continued elevated flood risk potential is expected in these areas.

Large peak flows in the Lower Fraser, South Coast and Vancouver Island regions are typically associated with major storm events in the fall and winter and not with spring snowmelt. Despite high snow packs in these regions, increased flood risk is not expected. An exception to this is in the Birkenhead River where there is an increased potential for flooding.

In regions of the Interior and northern BC with near or slightly above normal snow packs (Upper Fraser, Nechako, North Thompson, South Thompson, Columbia, Peace, Skeena/Nass), normal or slightly above normal flood risk and seasonal runoff is expected. With current snowpack levels and the on-going delay in melt, flooding is possible in these regions.

In the lower Fraser River Valley, on-going delay in melt is also increasing flood risk. The River Forecast Centre is forecasting a peak flow for the Fraser River at Hope of 9,000-11,000 m³/s under “normal” weather scenarios. The peak flow magnitude that we get on the Lower will depend on weather conditions over the next 1 to 6 weeks, and higher than anticipated flows could occur under adverse weather conditions (eg. extreme temperatures). For comparison the peak flow of the Fraser at Hope was 11,000 m³/s in 2007, and 6,000 m³/s in 2010.



Snow Survey and Water Supply Bulletin – May 15, 2011

Snow conditions into the snowmelt period comprise only one part of the peak flow and water supply picture. Weather has a large influence on the timing and rate at which the snowpack melts, and will determine whether or not significant flooding occurs. The greatest risk for flooding occurs when there is still significant snow available for melt and weather brings well above normal temperatures and/or heavy rainfall. Current seasonal forecasts from Environment Canada are for normal to below normal temperatures, and normal to above normal precipitation through the May-July period. The La Niña cycle observed through the winter is breaking down, and the cooler, unsettled weather may be expected into June.

The River Forecast Centre continues monitor the snowpack, weather, and stream flow conditions throughout the province. The next update to the Snow Bulletin will be on June 8, 2011.

Produced by: BC River Forecast Centre
May 24, 2011

UPPER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE	1A11	770	14-May	113	519	152			728	0	341	33
HEDRICK LAKE	1A14P	1100	15-May	179	1024	137	663	964	1050	435	746*	11
LU LAKE	4B15P	1310	15-May	78	403	296	113	282	445	0	136*	12
BARKERVILLE	1A03P	1520	15-May	91	406	174	149	281	503	0	234	33
MC BRIDE (UPPER)	1A02	1580	14-May	115	480	131	334	433	752	24	367	43
MCBRIDE (UPPER)	1A02P	1620	15-May	122	466	88	341	476	660	341	527*	4
REVOLUTION CREEK	1A17P	1690	15-May	201	853	120	594	967	1249	228	713	25
DOMM MOUNTAIN	1A19	1820	14-May	194	872	107	675	958	1168	385	813	38
DOMM MOUNTAIN	1A19P	1820	15-May	188	890	101	623	919	1208	611	881*	5
YELLOWHEAD	1A01P	1860	15-May	111	582	101	592	465	825	139	579	14

NECHAKO Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE	1B02P	1300	15-May	N/A	1405	112	1250	1064	2347	671	1255	18
MOUNT PONDOSY	1B08P	1400	15-May	N/A	815	126	543	524	1198	207	645	18
MOUNT WELLS	1B01P	1490	15-May	N/A	584	115	447	732	951	171	510	19

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BROOKMERE	1C01	980	15-May	24	77	220			208	0	35	26
BOSS MOUNTAIN MINE	1C20P	1460	15-May	N/A	608	131	396	469	761	184	464	17
BRENDA MINE	2F18P	1460	15-May	N/A	208	832	9	16	146	0	25	18
BARKERVILLE	1A03P	1520	15-May	91	406	174	149	281	503	0	234	33
MOUNT TIMOTHY	1C17	1660	10-May	97	350	174	122	240	466	0	201	42
YANKS PEAK EAST	1C41P	1670	15-May	187	977	122	602	1065	1125	398	800	14
PENFOLD CREEK	1C23	1680	14-May	255	1212	119	950	1067	1400	585	1019	41
GREEN MOUNTAIN	1C12P	1780	15-May	N/A	1026	127	1177	485	1366	424	845	17
MISSION RIDGE	1C18P	1850	15-May	N/A	939	141	451	386	878	0	382	24

LOWER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BROOKMERE	1C01	980	15-May	24	77	220			208	0	35	26
DISAPPOINTMENT LAKE	1D18P	1040	15-May	N/A	2370	180	1396		1930P	730P	1317*	6
DOG MOUNTAIN	3A10	1080					786	1073	2920Z	0	1100	25
SPUZZUM CREEK	1D19P	1180	15-May	372	1954	137	1523	1001	2093	49	1422*	11
WAHLEACH LAKE	1D09P	1400	15-May	N/A	1183	123	1000	978	1624	335	960	19
CHILLIWACK RIVER	1D17P	1600	15-May	N/A	2123	162	1646	1601	2186	405	1312*	16
TENQUILLE LAKE	1D06P	1680	15-May	287	1509	152	1343	653	1699	469	990*	10

NORTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BLUE RIVER	1E01B	670	14-May	15	78				0	0	0*	9
BOSS MOUNTAIN MINE	1C20P	1460	15-May	N/A	608	131	396	469	761	184	464	17
MOUNT COOK	1E02P	1550	15-May	294	1441E	114	1358					9
AZURE RIVER	1E08P	1620	15-May	189	1212	99	1136	1046	1665	743	1230	14
ADAMS RIVER	1E07	1720	14-May	216	819	115	783	586	1158	280	712	39
KOSTAL LAKE	1E10P	1770	15-May	238	987	111	773	908	1357	568	887	26
TROPHY MOUNTAIN	1E03A	1860	14-May	186	692	114	657	592	1114	301	608	29

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ANGLEMONT	1F02	1190	14-May	53	250	250			361	0	100	18
CELISTA	1F06P	1500	15-May	216	1154	116	889	765	1155	488	822*	4
ADAMS RIVER	1E07	1720	14-May	216	819	115	783	586	1158	280	712	39
SILVER STAR MOUNTAIN	2F10	1840	15-May	206	914	138	613	722	1054	100	661	52
PARK MOUNTAIN	1F03P	1890	15-May	244	1215	131	802	968	1321	474	927	26
ENDERBY	1F04	1900	21-May	282	1269	117	1015	1002	1499	662	1089	48

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
AZURE RIVER	1E08P	1620	15-May	189	1212	99	1136	1046	1665	743	1230	14
KICKING HORSE	2A07	1650	18-May	55	208	95			521	0	220	46
MOUNT REVELSTOKE	2A06P	1830	15-May	N/A	1572E	121	998	1088	1777	700	1297	18
MOLSON CREEK	2A21P	1980	15-May	N/A	1080	104	1103	1020	1707	602	1040	28

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	16-May	111	718	293			640	20	245	35
FARRON	2B02A	1220	17-May	41	167	152	16	78	222	0	110	31
BARNES CREEK	2B06P	1620	15-May	N/A	743	170	379	660	761	94	438	18
ST. LEON CREEK	2B08P	1800	15-May	N/A	1478	137	851	994	1568	639	1080	17
RECORD MOUNTAIN	2B09	1890					628	560	1367	83	676	36
EAST CREEK	2D08P	2030	15-May	N/A	930	98	754	731	1387	461	925	29

EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
FERNIE EAST	2C07	1250	12-May	70	298	648	0	0	290	0	46	49
SULLIVAN MINE	2C04	1550	13-May	81	304	290	0	168	457	0	105	59
BANFIELD MOUNTAIN	MT05P	1710	15-May	145	550	180	140	396	569	0	305	13
MORRISSEY RIDGE	2C09Q	1800	15-May	N/A	1024	223	431	637	1091	0	460	27
MOYIE MOUNTAIN	2C10P	1930	15-May	N/A	682	267	130	428	552	0	255	30
HAWKINS LAKE	MT06P	1970	15-May	244	1099	156	539	742	1067	178	706	13
FLOE LAKE	2C14P	2090	15-May	N/A	934	122	671	698	1088	304	765	16

WEST KOOTENAY Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	16-May	111	718	293			640	20	245	35
NELSON	2D04	930	17-May	2	11	28			243	0	40	40
CHAR CREEK	2D06	1310	15-May	136	561	201	257	355	715	0	279	41
BUNCHGRASS MEADOW	WA01P	1520	15-May	198	860	148	496	640	1163	150	582	14
EAST CREEK	2D08P	2030	15-May	N/A	930	98	754	731	1387	461	925	29
REDFISH CREEK	2D14P	2104	15-May	419	1672	121	1301	972	1748	972	1380*	9

KETTLE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FARRON	2B02A	1220	17-May	41	167	152	16	78	222	0	110	31
BIG WHITE MOUNTAIN	2E03	1680	15-May	166	640	164	380	402	732	0	390	45
GRAND CREEK	2E07P	1860	15-May	N/A	749	142	480	536	855	290	526*	13

OKANAGAN Drainage Basin

		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
Snow Course Name and Number												
SUMMERLAND RESERVOIR	2F02	1280	13-May	29	115	359		0	218	0	32	45
VASEUX CREEK	2F20	1400						0	80	0	9	38
TROUT CREEK	2F01	1430	12-May	58	210	700	0	11	307	0	30	58
TROUT CREEK (WEST)	2F01A	1430	12-May	70	243	419	58					2
BRENDA MINE	2F18P	1460	15-May	N/A	208	832	9	16	146	0	25	18
GREYBACK RESERVOIR	2F08	1550					146	69	323	0	100	39
ISINTOK LAKE	2F11	1680	12-May	68	226	290	0	10	386	0	78	45
MISSION CREEK	2F05P	1780	15-May	166	713	175	491	533	829	0	407	39
MOUNT KOBAL	2F12	1810	14-May	119	419	165	329	238	516	0	254	44
WHITEROCKS MOUNTAIN	2F09	1830	13-May	133	547	136	426	315	968	0	401	40
SILVER STAR MOUNTAIN	2F10	1840	15-May	206	914	138	613	722	1054	100	661	52

SIMILKAMEEN Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BROOKMERE	1C01	980	15-May	24	77	220			208	0	35	26
HAMILTON HILL	2G06	1490	18-May	70	306	510	6		434	0	60	33
MISSEZULA MOUNTAIN	2G05	1550	13-May	69	214	396	0	60	218	0	54	47
ISINTOK LAKE	2F11	1680	12-May	68	226	290	0	10	386	0	78	45
LOST HORSE MOUNTAIN	2G04	1920					135	222	577	0	192	44
BLACKWALL PEAK	2G03P	1940	15-May	210	1000	141	720	675	1481	199	706	43
HARTS PASS	WA09P	1980	15-May	287	1781	187	728	917	1748	345	952	13

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE 3A09P	880	15-May	N/A	N/A	N/A	888	872	1189	0	309	4
DOG MOUNTAIN 3A10	1080					786	1073	2920Z	0	1100	25
ORCHID LAKE 3A19	1190					1726	1432	3730A	774	1900	29
ORCHID LAKE 3A19P	1190	15-May	486	2555	144	1616		2804	536	1770*	21
UPPER SQUAMISH RIVER 3A25P	1340	15-May	394	2669E	176	1621		2980E	709	1515	20
NOSTETUKO RIVER 3A22P	1500	15-May	50	943	248	653		908	19	381*	19
UPPER MOSELY CREEK 3A24P	1650	15-May	92	376	249	282	165	480	0	151*	22

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
JUMP CREEK 3B23P	1160	15-May	N/A	2199	226	1049	851	3500E	0	975	14
WOLF RIVER (UPPER) 3B17P	1490	15-May	N/A	2255	172	1911	881	2719E	213	1300	22

NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE 1B02P	1300	15-May	N/A	1405	112	1250	1064	2347	671	1255	18
BURNT BRIDGE CREEK 3C08P	1330	15-May	N/A	800	121	538		1444	206	661*	13

SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
HARTS PASS WA09P	1980	15-May	287	1781	187	728	917	1748	345	952	13

PEACE Drainage Basin

Snow Course Name and Number	Elev. metres		May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE 1A11	770	14-May	113	519	152			728	0	341	33
AIKEN LAKE 4A30P	1040	15-May	N/A	127		0	113	214	0	0	24
PULPIT LAKE 4A09P	1310	15-May	N/A	349	152	168	460	576	49	230	20
PINE PASS 4A02P	1400	15-May	N/A	997	93	849	1107	1658	813	1073	19
KWADACHA RIVER 4A27P	1620	15-May	N/A	320	93	270	386	468	109	343*	24

SKEENA/NASS Drainage Basin

Snow Course Name and Number		Elev. metres		May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CEDAR-KITEEN	4B18P	885	15-May	117	495	109	9	825	972	9	454*	10
MCKENDRICK CREEK	4B07	1050	12-May	93	312	390			320	0	80	18
LU LAKE	4B15P	1310	15-May	78	403	296	113	282	445	0	136*	12
TSAI CREEK	4B17P	1360	15-May	242	1599	126	1308	1387	2138	810	1271*	13
HUDSON BAY MTN.	4B03A	1480	12-May	161	613	139	415	540	822	160	441	38
SHEDIN CREEK	4B16P	1480	15-May	202	968	100	568	1086	1241	568	964*	13

YUKON Drainage Basin

Snow Course Name and Number	Elev. metres		May 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
LOG CABIN 4E01	880					146		420	0	200	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											



Snow Survey and Water Supply Bulletin – June 1, 2011

The June 1st snow survey is now complete. Data from 43 snow courses and 55 snow pillows around the province as well as out-of-province sampling locations, and climate data from Environment Canada, have been used to form the basis for the following reports¹.

Weather

Weather patterns in May have been dominated by cooler than normal temperatures throughout British Columbia. Weather has been unsettled, and patterns are consistent with the La Niña cycle observed through the winter/spring.

Snowpack

Typically the transition from snow accumulation to snow melt occurs at most locations in the province near the middle of April. However this year, the cool April and May led to a delay in the onset of snow melt by 3-4 weeks.

Snow basin indices represent the difference between a “normal” year and the current year for given sampling date, in this case June 1st. A note of caution in interpreting snow basin indices at this time of year is that with a delay in the onset of snow melt, differences between observed and normal snow pack levels can become large. This is because in a normal year, snow water equivalents are lowering because the snow has melted, whereas this years' snow pack was delayed in melting, so the snow water equivalents remain higher than would normally be present.

Due to the delayed melt, snow basin indices across the province have increased. Basin snow water indices for BC at June 1st vary from a low of 56% of normal in the Peace to a high of 407% of normal in the Kootenays. Well above normal snow packs (>120% of normal) are present across the province, except in the Upper Fraser, Skeena/Nass, and Peace, where near normal or slightly above normal snowpack levels are observed. Overall snow water equivalent levels have dropped since May 15th as snow has melted.

Low and mid-elevation snow packs are not well represented by the snow basin indices, as snow survey and automated snow pillow sites tend to be at higher elevations. In most regions of the province, low to mid-elevation snow has been melting, and snow line elevations have been rising. Much of the remaining snow is at higher elevations (>1300m-1400m) with the exception of the more mountainous regions (eg. Coast Mountains and Kootenays) where mid-elevation (900m-1200m) snow packs are still present in some locations.

1. 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 upon review.



Snow Survey and Water Supply Bulletin – June 1, 2011

BC Snow Basin Indices – June 1, 2011

Basin	% of Normal ¹	Basin	% of Normal ¹
Upper Fraser	115%	Okanagan-Kettle	274%
Nechako	134%	Similkameen	201%
Middle Fraser	232%	South Coast	281%
Lower Fraser	231%	Vancouver Island	216%
North Thompson	131%	Peace	56%
South Thompson	154%	Skeena-Nass	111%
Columbia	136%		
Kootenay	407%		

¹with a delay in the snow melt season, differences between observed and normal snow pack levels can become large as snow water equivalents remain higher (see text above)

Water Supply Outlook

Snow water equivalents have dropped since May 15th, with some variability across snow pack sampling locations. While the % of normal values have increased for most of the province, these increases are due to the delay in snowmelt, not the addition of water stored in the snow pack. Therefore the general picture for the province is that the volume of water that will runoff from snow packs over the freshet period is now being pushed later into the season than normal.

Based on elevated snow pack levels (>150% of normal) increased flood risk is still present, particularly in the Kootenay, Okanagan-Kettle, Similkameen, and South Thompson. Whether or not significant flooding occurs in these systems will depend primarily on the weather through the rest June.

In regions with normal or slightly above normal snow pack (<150% of normal), flood risk is considered normal, with the potential for flooding given adverse weather conditions, particularly through the rest of June.

Large peak flows in the Lower Fraser, South Coast and Vancouver Island regions are typically associated with major storm events in the fall and winter and not with spring snowmelt. Despite high snow packs in these regions, increases in flood risk are modest. However, higher than normal runoff volumes are expected in these regions over the freshet period.

For any region of the province, adverse weather conditions which could lead to flood conditions would be extended periods of hot (well above normal) temperatures and/or significant rainfall.

The River Forecast Centre continues monitor the snowpack, weather, and stream flow conditions throughout the province. Advisories are posted on the River Forecast Centre

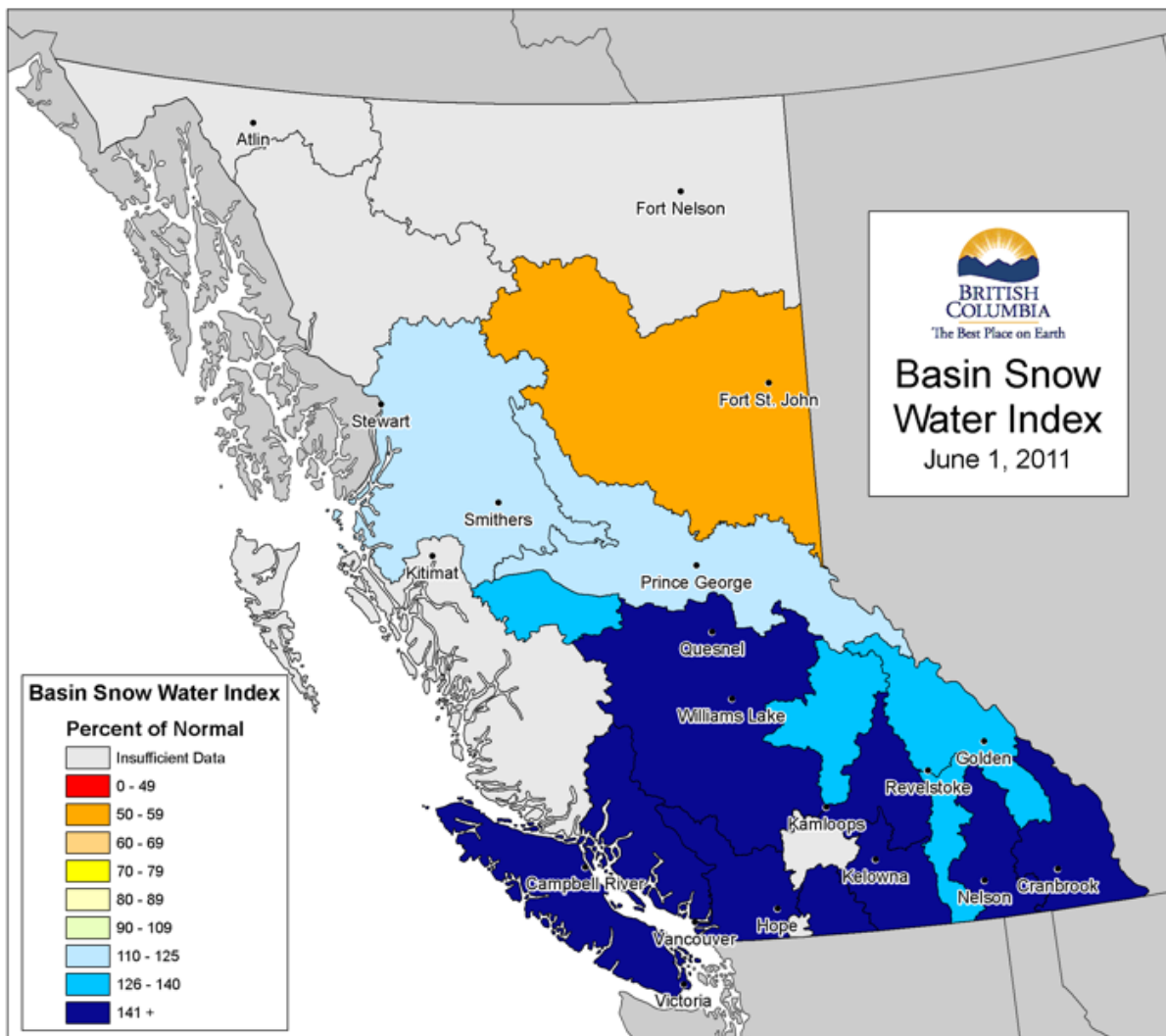
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Snow Survey and Water Supply Bulletin – June 1, 2011

website as the need arises. The next update to the Snow Survey and Water Outlook bulletin will be released on June 22nd.

Produced by: BC River Forecast Centre, June 8, 2011



UPPER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE	1A11	770	30-May	0	0	0			411	0	71	33
HEDRICK LAKE	1A14P	1100	01-Jun	98	720	193	388	802	1380	0	374*	11
BIRD CREEK	1A23	1180					0	0	0	0	0*	17
LU LAKE	4B15P	1310	01-Jun	9	135	355	0	0	180	0	38*	12
BARKERVILLE	1A03P	1520	01-Jun	35	169	256	0	34	291	0	66	27
MC BRIDE (UPPER)	1A02	1580	30-May	55	269	132	96	370B	592	0	204	42
KNUDSEN LAKE	1A15	1580	30-May	124	662	100			1113	0	662	31
MCKRIDE (UPPER)	1A02P	1620	01-Jun	56	209	118	107	266	308	45	177*	4
REVOLUTION CREEK	1A17P	1690	01-Jun	N/A	659	133	428	802	974	0	495	26
LONGWORTH (UPPER)	1A05	1740	30-May	147	740	125			1194	0	591	50
DOM MOUNTAIN	1A19	1820	30-May	138	770	116	528	918B	1062	0	664	39
DOM MOUNTAIN	1A19P	1820	01-Jun	123	668	92	499	893	1069	499	729*	5
YELLOWHEAD	1A01P	1860	01-Jun	291	400	86	464	356	857	0	464	14

NECHAKO Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE	1B02	1300					963	1039	1828Z	406	1007	36
TAHTSA LAKE	1B02P	1300	01-Jun	N/A	1157	116	945	1003	2164	277	1001	18
KIDPRICE LAKE	4B01	1370					587	1032	1359A	0	666	36
MOUNT PONDOSY	1B08P	1400	01-Jun	N/A	508	181	171	253	951	0	280	17
MOUNT WELLS	1B01	1490					211	475	529	0	250	34
MOUNT WELLS	1B01P	1490	01-Jun	N/A	409	169	189	585	722	0	250	19
NUTLI LAKE	1B07	1490					292	389	618Z	0	219*	20
MOUNT SWANNELL	1B06	1620					0	261	350Z	0	108*	22

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BOSS MOUNTAIN MINE	1C20P	1460	01-Jun	642	364	208	114	184	435	0	175	17
BRENDA MINE	2F18P	1460	01-Jun	N/A	6	N/A	0	51	51	0	0	17
BARKERVILLE	1A03P	1520	01-Jun	35	169	256	0	34	291	0	66	27
YANKS PEAK EAST	1C41P	1670	01-Jun	137	908	154	347	798	1016	128	590	13
PENFOLD CREEK	1C23	1680	30-May	195	1044	123	758	1040B	1354	353	847	40
GREEN MOUNTAIN	1C12P	1780	01-Jun	N/A	918	190	963	195	1183	140	610	17
MISSION RIDGE	1C18P	1850	01-Jun	N/A	442	291	195	0	573	0	151	23

LOWER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DISAPPOINTMENT LAKE	1D18P	1040	01-Jun	N/A	2177	224	1215		1582P	564P	972*	6
CALLAGHAN CREEK	3A20	1040	30-May	203	1050	477	394	80	1228	0	220	27
DOG MOUNTAIN	3A10	1080	31-May	307	1575	185			2480Z	0	850	24
SPUZZUM CREEK	1D19P	1180	01-Jun	323	1851	164	1350	638	1823	0	1131*	11
WAHLEACH LAKE	1D09P	1400	01-Jun	N/A	1143	176	911	869	1359	0	650	18
CHILLIWACK RIVER	1D17P	1600	01-Jun	N/A	2056	201	1451	1200	1969	0	1023*	15
TENQUILLE LAKE	1D06P	1680	01-Jun	238	1381	187	1135	349	1418	225	739*	10

NORTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BOSS MOUNTAIN MINE	1C20P	1460	01-Jun	642	364	208	114	184	435	0	175	17
MOUNT COOK	1E02P	1550	01-Jun	231	1435E	139	1271	1099	1579	593	1034*	10
AZURE RIVER	1E08P	1620	01-Jun	134	1107	107	908	881	1778	473	1030	14
ADAMS RIVER	1E07	1720	26-May	167	765	129	623	510	1155	0	595	41
KOSTAL LAKE	1E10P	1770	01-Jun	N/A	983	140	676	825	1377	155	700	26

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CELISTA	1F06P	1500	01-Jun	158	890	110	611	506	840	116	478*	4
ADAMS RIVER	1E07	1720	26-May	167	765	129	623	510	1155	0	595	41
SILVER STAR MOUNTAIN	2F10	1840	31-May	158	838	179	562	475	980	0	468	52
PARK MOUNTAIN	1F03P	1890	01-Jun	211	1136	153	761	851	1269	296	742	25
ENDERBY	1F04	1900					967	885	1422	430	960	47

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
AZURE RIVER	1E08P	1620	01-Jun	134	1107	107	908	881	1778	473	1030	14
KICKING HORSE	2A07	1650	07-Jun	13	44	73			226	0	60	32
MOUNT REVELSTOKE	2A06P	1830	01-Jun	N/A	1428E	125	795	803	2063	240	1146	18
MOLSON CREEK	2A21P	1980	01-Jun	N/A	889	110	968	889	1512	98	810	27
BOW SUMMIT II	AL07A	2080	30-May	58	227	157	106		414	0	145*	4

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	27-May	80	400	1600			322	0	25	13
FARRON	2B02A	1220	27-May	10	34	1133			19	0	3	18
BARNES CREEK	2B06P	1620	01-Jun	N/A	630	307	113	338	529	0	205	18
ST. LEON CREEK	2B08P	1800	01-Jun	N/A	1380	169	638	795	1580	225	815	17
RECORD MOUNTAIN	2B09	1890	28-May	190	810	183	450	238	1073	0	442	34
EAST CREEK	2D08P	2030	01-Jun	N/A	971	109	608	563	1256	111	770	28

EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERNIE EAST	2C07	1250	30-May	0	0	0		51	0	5	14
SULLIVAN MINE	2C04	1550	31-May	22	98	754	0	0	137	13	28
BANFIELD MOUNTAIN	MT05P	1710	01-Jun	91	384	519	0	13	254	74	13
MORRISSEY RIDGE	2C09Q	1800	01-Jun	N/A	878	627	158	109	810	140	26
RED MOUNTAIN	MT04	1830	31-May	104	501	482			560	104	52
MOYIE MOUNTAIN	2C10P	1930	01-Jun	N/A	474	677	0	8	438	60	25
HAWKINS LAKE	MT06P	1970	01-Jun	203	1028	208	354	307	947	495	14
FLOE LAKE	2C14P	2090	01-Jun	N/A	791	130	566	465	979	610	16
HIGHWOOD SUMMIT (BUSH)	AL02	2210	31-May	144	528	143			458	233	3
SUNSHINE VILLAGE	AL05	2230	01-Jun	139	637	138	396		583	331	4

WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FERGUSON	2D02	880	27-May	80	400	1600			322	0	13
CHAR CREEK	2D06	1310	01-Jun	79	362	658	117	26	327	0	34
BUNCHGRASS MEADOW	WA01P	1520	01-Jun	157	674	531	277	221	800	0	13
GRAY CREEK (LOWER)	2D05	1550	30-May	112	498	237		312	551	0	57
GRAY CREEK (UPPER)	2D10	1910	30-May	176	851	159	487	629	1120	0	38
EAST CREEK	2D08P	2030	01-Jun	N/A	971	109	608	563	1256	111	28
REDFISH CREEK	2D14P	2104	01-Jun	458	1702	148	1200	867	1624	760	9

KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
FARRON	2B02A	1220	27-May	10	34	1133			19	0	18
BIG WHITE MOUNTAIN	2E03	1680	01-Jun	126	528	261	242	125	658	0	45
GRANO CREEK	2E07P	1860	01-Jun	N/A	727	237	300	263	754	0	13

OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
SUMMERLAND RESERVOIR	2F02	1280	30-May	0	0	0		25	0	5*	8
BRENDA MINE	2F18P	1460	01-Jun	N/A	6	N/A	0	51	51	0	17
GREYBACK RESERVOIR	2F08	1550	02-Jun	23	104	2600		155	0	4	24
ISINTOK LAKE	2F11	1680	28-May	30	60	240		0	211	0	21
MISSION CREEK	2F05P	1780	01-Jun	137	620	263	391	300	641	0	39
MOUNT KOBAL	2F12	1810	27-May	106	396	300	271	40	488	0	45
WHITEROCKS MOUNTAIN	2F09	1830	30-May	92	400	204	194	61	848	0	39
SILVER STAR MOUNTAIN	2F10	1840	31-May	158	838	179	562	475	980	0	52

SIMILKAMEEN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
ISINTOK LAKE	2F11	1680	28-May	30	60	240		0	211	0	21
BLACKWALL PEAK	2G03P	1940	01-Jun	191	941	201	589	345	1253	0	43
HARTS PASS	WA09P	1980	01-Jun	267	1671	272	478	541	1557	76	13

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE	3A09P	880	01-Jun	N/A	N/A	N/A		595	0	354*	3
CALLAGHAN CREEK	3A20	1040	30-May	203	1050	477	394	80	1228	0	27
ORCHID LAKE	3A19	1190	31-May	495	2592	166	1712	1017	3648	174	31
ORCHID LAKE	3A19P	1190	01-Jun	430	2277	162	1395		2463	124	20
UPPER SQUAMISH RIVER	3A25P	1340	01-Jun	415	2441E	200	1431	N/A	1729	461	20
NOSTETUKO RIVER	3A22P	1500	01-Jun	18	676	669	304	60	582	0	19
UPPER MOSELY CREEK	3A24P	1650	01-Jun	57	233	777	55	0	214	0	22

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2008 mm	Max. mm	Min. mm	Normal mm	
JUMP CREEK	3B23P	1160	01-Jun	330	1914	368	747	315	1234	0	520	14
WOLF RIVER (UPPER)	3B17P	1490	01-Jun	N/A	2115	212	1795	527	2465	58	980	23

NORTH COASTAL Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE	1B02	1300					963	1023	1828Z	406	1007	36
TAHTSA LAKE	1B02P	1300	01-Jun	N/A	1157	116	945	1003	2164	277	1001	18
BURNT BRIDGE CREEK	3C08P	1330	01-Jun	N/A	512	154	199		1133	0	333*	13

SKAGIT Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
HARTS PASS	WA09P	1980	01-Jun	267	1671	272	478	541	1557	76	615	13

PEACE Drainage Basin

Snow Course Name and Number		Elev. metres					Historic, Water Equivalent (mm)					Yrs of Record
							2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PACIFIC LAKE	1A11	770	30-May	0	0	0			411	0	71	33
AIKEN LAKE	4A30P	1040	01-Jun	N/A	2	N/A	0	0	0	0	0	24
PULPIT LAKE	4A09P	1310	01-Jun	N/A	0	N/A	0	213	241	0	0	20
PINE PASS	4A02P	1400	01-Jun	N/A	727	91	598	1017	1500A	183	795	18
KWADACHA RIVER	4A27P	1620	01-Jun	N/A	38	18	15	349	458	0	217*	22

LIARD Drainage Basin

Snow Course Name and Number	Elev. metres		Historic, Water Equivalent (mm)					Yrs of Record		
						2010 mm	2009 mm		Max. mm	Min. mm
NOTE: No Surveys currently done in this basin.										

SKEENA/NASS Drainage Basin

Snow Course Name and Number		Elev. metres					Historic, Water Equivalent (mm)					Yrs of Record
							2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CEDAR-KITEEN	4B18P	885	01-Jun	60	173	99	0	506	646	0	175*	10
MCKENDRICK CREEK	4B07	1050	31-May	32	115	821			149	0	14*	13
LU LAKE	4B15P	1310	01-Jun	9	135	355	0	0	180	0	38*	12
TSAI CREEK	4B17P	1360	01-Jun	177	1346	130	1039	1329	2123	371	1033*	13
KIDPRICE LAKE	4B01	1370					587	1032	1359A	0	666	36
CHAPMAN LAKE	4B04	1460	31-May	93	424	88			594	285	482*	5
HUDSON BAY MTN.	4B03A	1480	31-May	93	433	150	260		729	0	288	38
MOUNT CRONIN	4B08	1480	31-May	142	674	95			927	500	706*	8
SHEDIN CREEK	4B16P	1480	01-Jun	118	739	100	293	983	1279	98	736*	13

STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 1 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2008 mm	Max. mm	Min. mm	Normal mm	
<i>NOTE: No Surveys currently done in this basin.</i>											
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											



Snow Survey and Water Supply Bulletin – June 15, 2011

The June 15th snow survey is now complete. This is the final survey for the 2011 snow season. Data from 4 manual snow courses and 55 snow pillows around the province as well as out-of-province sampling locations, and climate data from Environment Canada, have been used to form the basis for the following report¹.

Weather

Weather patterns shifted in June to near normal temperatures and slightly below normal precipitation. Atmospheric circulation patterns associated with La Niña have still been persisting through June, but are now weakening. The National Ocean and Atmospheric Administration (NOAA) is indicating that the El Nino Southern Oscillation (ENSO) has now shifted to the neutral phase from the cool phase La Niña, which has persisted through the winter-spring of 2010-2011.

Snowpack

With the delay in the snowmelt season this year, snow water equivalent measurements are typically higher than normal for this time of year. The seasonal weather in June has allowed for the steady melt of the snowpack. Low to mid-elevation snow has largely melted out across the province. At higher elevations, high snow packs still persist, particularly in the Lower Fraser, North Thompson, South Thompson, Kootenay, South Coast and Vancouver Island. Province-wide, an average of 45% of the peak snow pack level has melted at the automated snow pillow sites. In a typical year, 65% of the peak snow pack would be melted by June 15th.

Water Supply Outlook

Major rivers in the province have been flowing above seasonal levels due to high snowpacks, delayed melt, and wet weather through the spring. Freshet peak flows have occurred on a number of rivers, and these have typically been above normal. Examples include:

- Bulkley River at Quick (WSC 08EE004) peaked at approximately 880 m³/s on May 27th, just over a 20-year flow level.
- Skeena River at Usk (08EF001) peaked at approximately 5200 m³/s on June 3rd just above a 2-year flow.
- Fraser River at Shelley (08KB001) peaked at approximately 3400 m³/s on May 25th, just above a 2-year flow level.
- Kettle River near Westbridge (08NN013) peaked at approximately 290 m³/s on June 8th, at approximately a 10-year flow level.

With high snow pack levels, the volume of runoff has created high lake level conditions in many regions of the province, and in particular on Stuart Lake, Okanagan Lake, Shuswap Lake and Kootenay Lake. As the snow disappears from the mid and upper elevations, inflows into lakes have been declining, or are expected to decline through the rest of June. Lake levels are expected to reach peak levels within the last 2 weeks in June.

1. 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 upon review.



Snow Survey and Water Supply Bulletin – June 15, 2011

River levels are expected to remain elevated through the remainder of the freshet season, with above normal flows through most river systems. With significant snow packs still present in the Lower Fraser, North Thompson, South Thompson, Upper Columbia, West Kootenay, and South Coast, flows in these regions could still reach levels higher than have been observed so far this year. The likelihood of extreme peak flows, however, is fairly low at this point given the level of melt that has been observed. Whether or not significant additional high flows occur in these systems will depend on the weather conditions through the rest of June and the early part of July.

Current flow on the Fraser River at Hope (08F005) is 8940 m³/s. While the likelihood of extreme peak flows is now low, there is still a possibility of flows reaching or exceeding the current high level for this year (9500 m³/s) given adverse weather conditions. Under the current weather forecast, flows on the Fraser River at Hope are likely to remain in the 7000-9300 m³/s range for the remainder of June.

Produced by: BC River Forecast Centre, June 22, 2011

UPPER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
HEDRICK LAKE	1A14P	1100	15-Jun	25	153	437	7	256	293	0	35*	11
LU LAKE	4B15P	1310	15-Jun	N/A	11		0	0	0	0	0*	12
BARKERVILLE	1A03P	1520	15-Jun	0	0		0	0	37	0	0	18
MCBRIDE (UPPER)	1A02P	1620	15-Jun	N/A	0		0	0	0	0	0*	5
REVOLUTION CREEK	1A17P	1690	15-Jun	N/A	381	159	144	477	724	0	240	25
DOMM MOUNTAIN	1A19P	1820	15-Jun	66	413	95	285	600	694	278	433*	5
YELLOWHEAD	1A01P	1860	15-Jun	N/A	89	39	202	23	641	0	229	14

NECHAKO Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE	1B02P	1300	15-Jun	N/A	741	114	613	552	1871	0	649	18
MOUNT PONDOSY	1B08P	1400	15-Jun	N/A	145		0	0	481	0	0	17
MOUNT WELLS	1B01P	1490	15-Jun	N/A	38		0	82	320	0	0	19

MIDDLE FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BOSS MOUNTAIN MINE	1C20P	1460	15-Jun	N/A	56		0	0	131	0	0	17
BRENDA MINE	2F18P	1460	15-Jun	N/A	4		0	0	0	0	0*	18
BARKERVILLE	1A03P	1520	15-Jun	0	0		0	0	37	0	0	18
YANKS PEAK EAST	1C41P	1670	15-Jun	76	547	174	24	315	754	0	315	14
GREEN MOUNTAIN	1C12P	1780	15-Jun	N/A	650	328	652	0	933	0	340	17
MISSION RIDGE	1C18P	1850	15-Jun	N/A	15		0	0	253	0	0	24

LOWER FRASER Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
DISAPPOINTMENT LAKE	1D18P	1040	15-Jun	N/A	1922	348	886		966P	0P	552*	6
DOG MOUNTAIN	3A10	1080	17-Jun	237	1296	270	310		2088Z	0	480	25
SPUZZUM CREEK	1D19P	1180	15-Jun	259	1628	206	1061		1403	0	789*	11
WAHLEACH LAKE	1D09P	1400	15-Jun	N/A	1012	253	750	518	1185	0	400	18
CHILLIWACK RIVER	1D17P	1600	15-Jun	N/A	1837	250	1054	724	1759	0	735*	16
TENQUILLE LAKE	1D06P	1680	15-Jun	137	1088	238	904	0	1182	0	457*	10

NORTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BOSS MOUNTAIN MINE	1C20P	1460	15-Jun	N/A	56		0	0	131	0	0	17
MOUNT COOK	1E02P	1550	15-Jun	172	1144E	173	949	664	1155	281	660*	10
AZURE RIVER	1E08P	1620	15-Jun	N/A	820E	121	587	394	1489	94	680	14
KOSTAL LAKE	1E10P	1770	15-Jun	N/A	802	236	370	96	1285	0	340	26

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CELISTA	1F06P	1500	15-Jun	97	545	311	289	45	379	0	190*	4
PARK MOUNTAIN	1F03P	1890	15-Jun	156	866	189	548	480	1095	0	458	25
ENDERBY	1F04	1900					767	623	1326	62	715	32

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
AZURE RIVER	1E08P	1620	15-Jun	N/A	820E	121	587	394	1489	94	680	14
MOUNT REVELSTOKE	2A06P	1830	15-Jun	N/A	1147E	143	525	458	1801	0	800	18
MOLSON CREEK	2A21P	1980	15-Jun	N/A	563	104	679	458	1163	0	540	26

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BARNES CREEK	2B06P	1620	15-Jun	N/A	210	0	0	169	0	0	18
ST. LEON CREEK	2B08P	1800	15-Jun	N/A	1189	416	390	1351	0	525	17
RECORD MOUNTAIN	2B09	1890	14-Jun	93	44	160	0	949	0	220	22
EAST CREEK	2D08P	2030	15-Jun	N/A	810	409	214	1163	0	525	27

EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BANFIELD MOUNTAIN	MT05P	1710	15-Jun	11	5	0	0	8	0	5	13
MORRISSEY RIDGE	2C09Q	1800	15-Jun	N/A	454	0	0	458	0	0	26
MOYIE MOUNTAIN	2C10P	1930	15-Jun	N/A	60	0	0	25	0	0	21
HAWKINS LAKE	MT06P	1970	15-Jun	49	26	0	0	683	0	185	14
FLOE LAKE	2C14P	2090	15-Jun	N/A	548	413	188	862	0	432	16

WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BUNCHGRASS MEADOW	WA01P	1520	15-Jun	15	37	0	0	394	0	0	13
GRAY CREEK (LOWER)	2D05	1550	15-Jun	55	272			282	0	50	17
GRAY CREEK (UPPER)	2D10	1910	15-Jun	100	528			825	0	270	14
EAST CREEK	2D08P	2030	15-Jun	N/A	810	409	214	1163	0	525	27
REDFISH CREEK	2D14P	2104	15-Jun	323	1605	971	484	1421	484	894*	9

KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
GRANO CREEK :2E07P	1860	15-Jun	79	502	437	8	0	503	0	115*	13

OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres			Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BRENDA MINE	2F18P	1460	15-Jun	N/A	4		0	0	0	0	0*	18
MISSION CREEK	2F05P	1780	15-Jun	85	383		155	0	424	0	0	39
MOUNT KOBAU	2F12	1810	11-Jun	67	301	485			206	0	62*	6

SIMILKAMEEN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of		Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
BLACKWALL PEAK	2G03P	1940	15-Jun	130	668	277	308	0	1031	0	240	43
HARTS PASS	WA09P	1980	15-Jun	52	78	31	186	20	1267	0	254	12

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of		Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
PALISADE LAKE	3A09P	880	15-Jun	N/A	N/A	N/A	N/A		494	0	8*	3
DOG MOUNTAIN	3A10	1080	17-Jun	237	1296	270	310		2088Z	0	480	25
ORCHID LAKE	3A19	1190					1528		1910	0	1150	30
ORCHID LAKE	3A19P	1190	15-Jun	362	1884	164	1116		2074	0	1150*	19
UPPER SQUAMISH RIVER	3A25P	1340	15-Jun	343	1918E	234	1147		1463	131	820	20
NOSTETUKO RIVER	3A22P	1500	15-Jun	N/A	273	1517	0	60	116	0	18*	20
UPPER MOSELY CREEK	3A24P	1650	15-Jun	N/A	0		0	0	0	0	0*	22

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres		Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm		
JUMP CREEK	3B23P	1160	15-Jun	250	1415	832	274	0	930	0	170	14
WOLF RIVER (UPPER)	3B17P	1490	15-Jun	N/A	1832	316	1554	34	1554	0	580	22

NORTH COASTAL Drainage Basin

Snow Course Name and Number		Elev. metres	Date of	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
TAHTSA LAKE	1B02P	1300	15-Jun	N/A	741	114	613	552	1871	0	649	18
BURNT BRIDGE CREEK	3C08P	1330	15-Jun	N/A	132	111	0		728	0	119*	13

SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
HARTS PASS :WA09P	1980	15-Jun	52	78	31	186	20	1267	0	254	12

PEACE Drainage Basin

Snow Course Name and Number		Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
AIKEN LAKE	4A30P	1040	15-Jun	N/A	3		0	0	0	0	0*	24
PULPIT LAKE	4A09P	1310	15-Jun	N/A	1		0	0	0	0	0	20
PINE PASS	4A02P	1400	15-Jun	N/A	322	74	207	466	1082	0	435	19
KWADACHA RIVER	4A27P	1620	15-Jun	N/A	0	0	0	0	454	0	69*	22

LIARD Drainage Basin

[illegible]

SKEENA/NASS Drainage Basin

Snow Course Name and Number		Elev. metres		Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
				Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2009 mm	Max. mm	Min. mm	Normal mm	
CEDAR-KITEEN	4B18P	885	15-Jun	N/A	0	0	0	0	113	0	23*	10
LU LAKE	4B15P	1310	15-Jun	N/A	11		0	0	0	0	0*	12
TSAI CREEK	4B17P	1360	15-Jun	125	918	147	669	808	1778	0	626*	13
HUDSON BAY MTN.	4B03A	1480					20		673	0	108	32
SHEDIN CREEK	4B16P	1480	15-Jun	66	428	110	0	372	896	0	390*	13

STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Jun 15 2011			Historic, Water Equivalent (mm)					Yrs of Record
			Snow Depth cm	Water Equiv. mm	% of Normal	2010 mm	2008 mm	Max. mm	Min. mm	Normal mm	
NOTE: No Surveys currently done in this basin.											
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											