



Snow Survey and Water Supply Bulletin – April 1st, 2012

The April 1st snow survey is now complete. Data from 154 snow courses and 53 snow pillows around the province and climate data from Environment Canada have been used to form the basis for the following reports¹.

Weather

La Niña conditions in the Pacific Ocean were observed to weaken through March. Weather patterns through the month were consistent with typical patterns observed during La Niña events. Wetter than normal weather was observed across most of British Columbia, with very wet conditions in the Lower Fraser, Columbia and Kootenay regions. Temperatures across the province were 0.5 to 1.5 °C cooler than normal.

Snowpack

Combined cooler and wetter weather through March has led to significant growth of snow packs throughout the province. Snow packs are above normal throughout the province (Map 1). Very high snow packs (>135% of normal) are present in the Upper Fraser, Nechako, and Skeena-Nass basins, with record high April 1st snow basin index values in the Upper Fraser and Nechako, and the second highest snow basin index values for the Skeena-Nass (over approximately a 60 year record for each basin). High snow packs (>120% of normal) are present in the Lower Fraser, Columbia, Kootenay, South Coast, Vancouver Island and Peace regions. Snow packs in other areas of the province are slightly above normal. The snow basin index for the entire Fraser River basin is 131% of normal. This is the 5th highest April 1st snowpack observed since 1953, and is similar to levels observed in 2007.

BC Snow Basin Indices – April 1, 2012

Basin	% of Normal	Basin	% of Normal
Upper Fraser	152%	Kootenay	127%
Nechako	165%	Okanagan-Kettle	104%
Middle Fraser	112%	Similkameen	110%
Lower Fraser	125%	South Coast	121%
North Thompson	112%	Vancouver Island	124%
South Thompson	106%	Peace	129%
Columbia	125%	Skeena-Nass	138%

Outlook

By April 1st, about 95% of the annual BC snowpack has typically accumulated. For most areas, the transition from snow accumulation to snow melt generally occurs in the middle of April, and therefore the April 1st snow survey is considered to be the key survey of the year for assessing the impact of snow pack on seasonal water supply and flood risk.

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.



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With above normal snow packs through most of the province, above normal spring runoff volume is expected in most basins across the province. Conditions in the Okanagan-Kettle basin have improved since February with the current snow pack at near normal levels. Therefore near normal seasonal runoff is expected for the Okanagan basin.

Spring freshet flooding occurs as a result of rapid snow melt, or a combination of rapid snow melt and additional input from rainfall. Snow pack plays an important role in seasonal flood risk by providing a plentiful source of water available for melt and runoff. In years with elevated snow packs there is an increased likelihood of flooding. However, whether or not flooding occurs depends on the weather conditions during the snow melt season, and flooding cannot be forecast as a result of snow pack levels alone. The greatest risk for flooding results from above normal snow packs combined with well above normal temperatures and/or heavy rainfall during the snow melt season. Given the necessary adverse weather conditions, flooding can occur in years with or without high snowpack.

Snowmelt driven rivers in British Columbia generally reach their peak levels in May and June.

Above normal snow packs often leads to increased seasonal flood risk in many regions of the province. This year, snow packs are at levels of concern for increased flood risk in the Upper Fraser, Nechako, Columbia, Kootenay, Peace and Skeena-Nass basins. The record or near record snow packs in the Upper Fraser, Nechako, Skeena-Nass (including the Bulkley River) creates exceptional seasonal flood risk in these regions, subject to weather conditions during melt.

The current snow pack in the entire Fraser River basin is 131% of normal. The distribution of heavy snow packs within the Fraser Basin is concentrated primarily in the Upper Fraser, Nechako and Lower Fraser basin (eg. Lillooet/Harrison basin), with more moderate snow packs in the Thompson River system. Therefore, there is an elevated flood risk present through the entire length of the mainstem of the Fraser River from the Robson Valley to the Fraser Valley.

Peak flows on the 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.

La Niña conditions across the equatorial Pacific Ocean have been weakening and the Climate Prediction Centre with the U.S. National Weather Service (NOAA) is predicting the La Niña event to break down by late-April. NOAA suggests that atmospheric patterns are still indicative of La Niña conditions, and this is consistent with current seasonal weather

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forecasts from Environment Canada. The current 30-day deterministic temperature forecast from Environment Canada is for cooler than normal temperature across the province, except the far north and north-east. The current 3-month forecasts transition into warmer than normal temperatures through most of the province into the summer, and below normal precipitation over the same period.

Seasonal weather forecasts have some limitations with respect to assessing the potential influence on flood risk or seasonal water supply. This is partly because forecasts are for average weather over extended time periods. Flood conditions arise from extreme weather over shorter time periods, and adverse weather can arise even during periods of seasonally “normal” weather. The current seasonal weather forecast suggests two conditions which may exacerbate seasonal flood risk, especially given the high snow packs in many regions. The first is the forecast for cooler weather through April and into May. This has the potential to prolong the snow accumulation season (and lead to additional snow pack growth) and delay the on-set of the snow melt season (leading to more snow available for melt into the time of year when higher temperatures are expected). The second consideration is the forecast for a transition into warmer than normal temperatures into the late-spring and summer. A rapid transition from cooler to hotter weather during the snow melt season (May – June) is something to watch for because of its potential impact on flood generation.

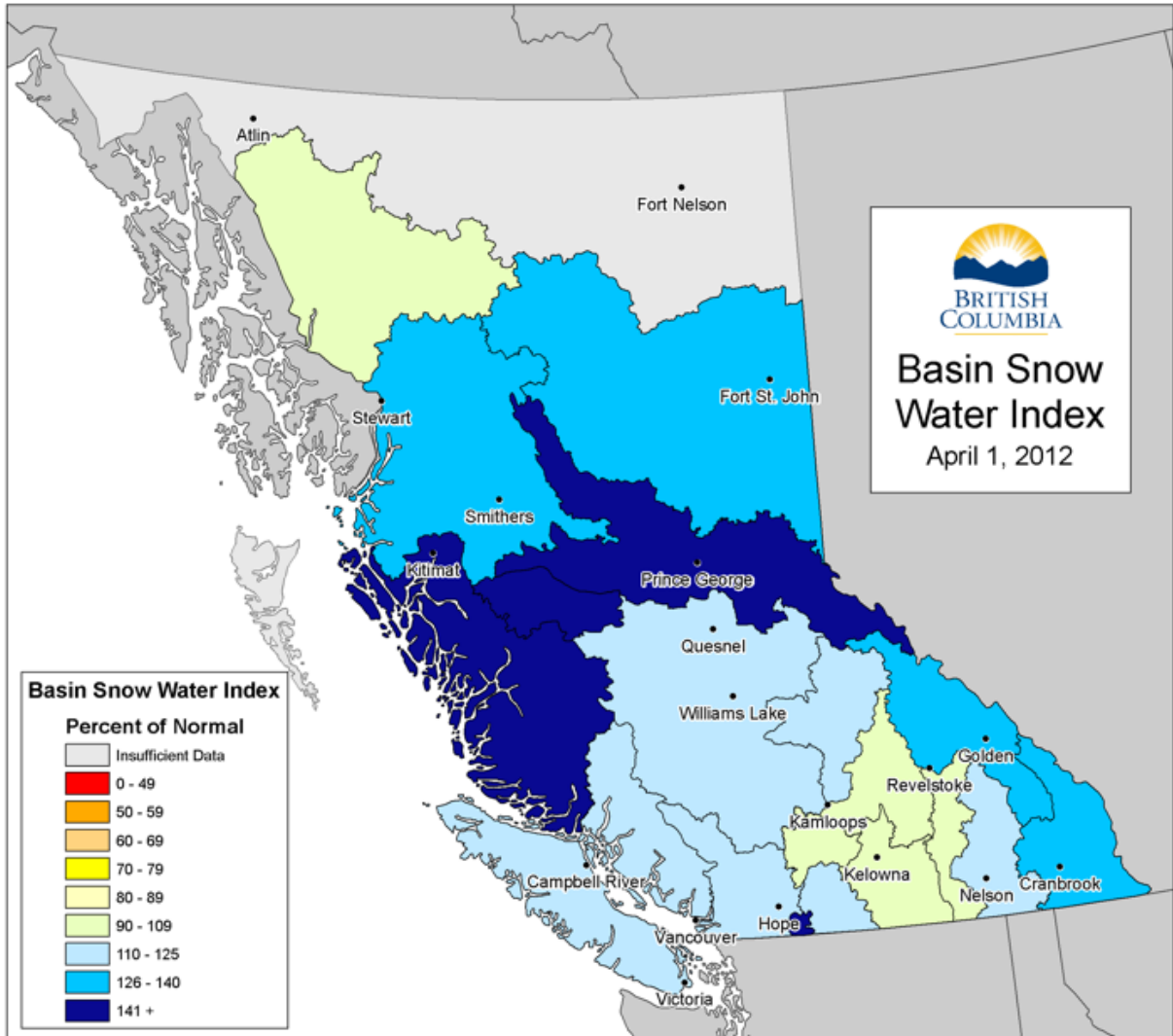
The River Forecast Centre continues to monitor snow and weather conditions across the Province and when conditions warrant, provides advisories through media releases and on the River Forecast Centre website: <http://bcrcfc.env.gov.bc.ca/>. The May 1st snow bulletin is expected to be released on May 8th, 2012.

Produced by: BC River Forecast Centre
April 11th, 2012



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Map 1: Basin Snow Water Index-April 1st, 2012



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UPPER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
PRINCE GEORGE A	1A10	690	26-Mar	55	143	121	183	0	313	0	118	50
PACIFIC LAKE	1A11	770	26-Mar	270	1060	169	733	463	879	290	628	48
BURNS LAKE	1A16	800	28-Mar	61	162	126	132	52	264	0	129	40
CANOE RIVER	2A01A	910	27-Mar	62	192	196	142	0	262	0	98	71
PHILIP LAKE	4A13	980	27-Mar	110	357	124	302	191	449	176	287	45
HEDRICK LAKE	1A14	1100	26-Mar	259	1041	151	891	532	1046	351	688	44
HEDRICK LAKE	1A14P	1100	01-Apr	281	1287	158	957	704	1110	581	814*	12
BIRD CREEK	1A23	1180	30-Mar	62	132	92	182	100	270	84	143*	22
KAZA LAKE	1A12	1190	27-Mar	143	476	141	365	220	465	220	338	45
LU LAKE	4B15	1300	28-Mar	129	456	143	332	246	504	162	318	35
LU LAKE	4B15P	1310	01-Apr	118	383	141	330	236	484	150	271*	13
EQUITY MINE	4B14	1420	28-Mar	148	556	137	420	350	640	258	405	35
MOUNT SHEBA	4A18	1490	26-Mar	272	1181	143	1036	748	1294	495	825	42
BARKERVILLE	1A03P	1520	01-Apr	121	438	113	415	269	524	229	387	35
KNUDSEN LAKE	1A15	1580	26-Mar	290	1264	153	925	636	1255	506	826	44
MCBRIDE (UPPER)	1A02P	1620	01-Apr	199	681	149	480	415	690	297	456*	17
REVOLUTION CREEK	1A17P	1690	01-Apr	341	1292	162	818	642	1222	449	798	26
LONGWORTH (UPPER)	1A05	1740	26-Mar	270	1150	147		700	1234A	467	784	53
DOME MOUNTAIN	1A19P	1820	01-Apr	273	1062	144	758	529	1061	503	736*	6
YELLOWHEAD	1A01P	1860	01-Apr	206	724	122	540	599	799	345	593	14

NECHAKO Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
SKINS LAKE	1B05	880	30-Mar	31	92	83	118	83	203	0	111	47
TAHTSA LAKE	1B02	1300	31-Mar	438	1972	167	1313	1214	1800A	775	1179	58
TAHTSA LAKE	1B02P	1300	01-Apr	N/A	1839	152	1279	1308	2228	860	1212	18
KIDPRICE LAKE	4B01	1370	31-Mar	328	1781	194	973	824	1601	622	919	56
MOUNT PONDOSY	1B08P	1400	01-Apr	N/A	1147	144	748	729	1133	566	798	20
MOUNT WELLS	1B01	1490	30-Mar	183	706	135	516	442	960	273	524	56
MOUNT WELLS	1B01P	1490	01-Apr	N/A	792	138	543	475	871	347	573	19
NUTLI LAKE	1B07	1490	30-Mar	203	834	159	498	486	798	301	524*	21
MOUNT SWANNELL	1B06	1620	30-Mar	99	273	94	329	238	490	148	290*	23

MIDDLE FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
PUNZI MOUNTAIN	1C22	940	29-Mar	0	0	0	64	0	91	0	31	39
BROOKMERE	1C01	980	30-Mar	86	223	111	220	119	399	51	201	66
NAZKO	1C08	1070	04-Apr	31	73	120	117	22	142	0	61	49
BIG CREEK	1C21	1140	29-Mar	2	10	63	30	0	119	0	16	39
GRANITE MOUNTAIN	1C33A	1150	30-Mar	68	191	106	226	115	272	115	181	6
DUFFEY LAKE	1C28	1200	30-Mar	190	646	127	732	508	866	244	507	34
PAVILION	1C06	1230					64		147	0	40	51
BRIDGE GLACIER (LOWER)	1C39	1400	04-Apr	238	780	126	760	N	1086	240	602*	16
DEADMAN RIVER	1C32	1430	31-Mar	53	168	160	196	52	196	30	105	26
BRALORNE	1C14	1450	04-Apr	70	204	115	200	N	389	0	178	45
SHOVELNOSE MOUNTAIN	1C29	1450	30-Mar	109	337	130	298	184	442	70	260	28
BOSS MOUNTAIN MINE	1C20P	1460	01-Apr	164	556	90	591	503	844	420	615	18
LAC LE JEUNE (UPPER)	1C25	1460	30-Mar	64	170	126	174	150	228	43	135	39
BRENDA MINE	2F18	1460	29-Mar	97	295	93		236	531	159	318	41
BRENDA MINE	2F18P	1460	01-Apr	N/A	340	86	385	305	497	227	394	19
HIGHLAND VALLEY	1C09A	1510	05-Apr	54	140	146	130	110	249	3A	96	44
BARKERVILLE	1A03P	1520	01-Apr	121	438	113	415	269	524	229	387	35
HORSEFLY MOUNTAIN	1C13A	1550	30-Mar	139	502	108	576	404	716	282	464	41
GNAWED MOUNTAIN	1C19	1580	05-Apr	73	195	155	120	132	307	21	126	43
MOUNT TIMOTHY	1C17	1660	26-Mar	114	353	108	340	273	533	186	327	49
YANKS PEAK EAST	1C41P	1670	01-Apr	222	932	112	896	606	994	525	829	15
PENFOLD CREEK	1C23	1680	26-Mar	302	1173	117	1051	876	1285	641	1000	35
GREEN MOUNTAIN	1C12P	1780	01-Apr	N/A	1057	122	952		1408	469	896	17
MCGILLIVRAY PASS	1C05	1800	04-Apr	192	793	132	625	N	1118	322	602	58
MISSION RIDGE	1C18P	1850	01-Apr	N/A	709	123	530	503	1012	158	576	34
DOWNTON LAKE (UPPER)	1C38	1890	N	N	N	N	984	N	1416	422	900	16
TYAUGHTON CREEK (NORTH)	1C40	1950	04-Apr	165	550	127	514	N	844	264	432	16
BRALORNE(UPPER)	1C37	1980	N	N	N	N	746	N	1010	328	755	16

LOWER FRASER Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	04-Apr	130	461	194	288	N	434	0	238	18
BROOKMERE	1C01	980	30-Mar	86	223	111	220	119	399	51	201	66
DISAPPOINTMENT LAKE	1D18P	1040	01-Apr	N/A	2065E	137	2034	1158	4750	1158	1503*	9
CALLAGHAN CREEK	3A20	1040	28-Mar	290	1128	125	1280	866	1604	192	902	33
DICKSON LAKE	1D16	1070	N	N	N	N	N	2990A	412	1547	18	
DOG MOUNTAIN	3A10	1080	29-Mar	356	1525	125	1559	758	2720A	51	1223	61
KLESILKWA	3D03A	1130	04-Apr	124	416	142	357	N	792	0	293	59
SPUZZUM CREEK	1D19P	1180	01-Apr	530	2294	152	1704	1429	2164	495	1513*	12
DUFFEY LAKE	1C28	1200	30-Mar	190	646	127	732	508	866	244	507	34
STAVE LAKE	1D08	1210	04-Apr	511	1985	128	2083	N	2750A	446	1554	41
WAHLEACH LAKE	1D09	1400	N	N	N	N	724	N	1270	125	659	41
WAHLEACH LAKE	1D09P	1400	01-Apr	N/A	924	80	991	866	1487	634	1154	18
NAHATLATCH RIVER	1D10	1520	N	N	N	N	2000	N	2410A	523	1417	41
CHILLIWACK RIVER	1D17P	1600	01-Apr	521	2348E	168	1849	1346	1894	739	1395*	17
TENQUILLE LAKE	1D06P	1680	01-Apr	393	1316	126	1354	1252	1587	675	1045*	11

NORTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
BLUE RIVER	1E01B	670	26-Mar	120	382	138	368	192	425	154	276	29
KNOUFF LAKE	1E05	1200	31-Mar	52	176	122	109	80	274	58	144	54
BOSS MOUNTAIN MINE	1C20P	1460	01-Apr	164	556	90	591	503	844	420	615	18
MOUNT COOK	1E02P	1550	01-Apr	438	1436E	121	1206E	1170	1463	939	1182*	10
AZURE RIVER	1E08P	1620	01-Apr	295	1371	119	1135	1133	1511	716	1155	15
ADAMS RIVER	1E07	1720	25-Mar	220	815	115		685	1069	435	707	41
KOSTAL LAKE	1E10P	1770	01-Apr	288	985	112	900	721	1165	618	878	26
TROPHY MOUNTAIN	1E03A	1860	25-Mar	191	668	123		477	888	332	545	35

SOUTH THOMPSON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
ANGLEMONT	1F02	1190	06-Apr	88	324	92	400	205	561	142	353	54
ABERDEEN LAKE	1F01A	1310	02-Apr	59	153	107			259	6	143	69
MONASHEE PASS	2E01	1370	06-Apr	120	375	109	365	219	517	188	343	57
BOULEAU LAKE	2F21	1400	31-Mar	88	246	69	264	262	564	192	354	37
CELISTA	1F06P	1500	01-Apr	276	995	114	894	870	1118	728	871*	6
ADAMS RIVER	1E07	1720	25-Mar	220	815	115		685	1069	435	707	41
KIRBYVILLE LAKE	2A25	1750	26-Mar	334	1360	114	1234	1160	1816	701	1189	38
SILVER STAR MOUNTAIN	2F10	1840	31-Mar	204	740	97	794	675	1115	414	760	53
PARK MOUNTAIN	1F03P	1890	01-Apr	233	802	93	907	747	1207	560	867	27
ENDERBY	1F04	1900	06-Apr	290	1115	109	1501A	926	1501A	610	1019	46

UPPER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
CANOE RIVER	2A01A	910	27-Mar	62	192	196	142	0	262	0	98	71
DOWNIE SLIDE (LOWER)	2A27	980	26-Mar	221	858	126	838	492	1062	448	680	33
GLACIER	2A02	1250	31-Mar	247	976	134	771	479	1161	371B	730	73
FIELD	2A03A	1280	29-Mar	52	151	99	236		251	8	153	68
VERMONT CREEK	2A19	1520	02-Apr	178	603	135	568	338	843	190	446	43
AZURE RIVER	1E08P	1620	01-Apr	295	1371	119	1135	1133	1511	716	1155	15
DOWNIE SLIDE (UPPER)	2A29	1630	26-Mar	377	1570	117	1278	1392	2360A	858	1347	33
KICKING HORSE	2A07	1650	31-Mar	133	381	110	318		589	185	346	60
KIRBYVILLE LAKE	2A25	1750	26-Mar	334	1360	114	1234	1160	1816	701	1189	38
MOUNT REVELSTOKE	2A06P	1830	01-Apr	N/A	1439E	117	1263E	960	1686	709	1230	18
FIDELITY MOUNTAIN	2A17	1870	29-Mar	400	1740	139	1250	1046	1951	730	1248	47
BEAVERFOOT	2A11	1890	02-Apr	107	284	128	258	146	460	105	222	48
KEYSTONE CREEK	2A18	1890	26-Mar	270	1037	125	901	826	1388	485	827	42
GOLDSTREAM	2A16	1920	26-Mar	339	1410	122	1230	1023	1638A	785	1157	44
BUSH RIVER	2A23	1920	N	N	N	N	782	816	1331	455	865	42
MOUNT ABBOT	2A14	1980	28-Mar	403	1623	129	1216	1042	1849	698	1256	48
MOLSON CREEK	2A21P	1980	01-Apr	N/A	1384	136	923	1005	1552	651	1014	29
SUNBEAM LAKE	2A22	2010	26-Mar	308	1216	133	1021	886	1384	590	917	42

LOWER COLUMBIA Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
FERGUSON	2D02	880	29-Mar	168	620	106	716	453	881	142	587	68
FARRON	2B02A	1220	03-Apr	107	311	94	356	243	480	162	330	39
MONASHEE PASS	2E01	1370	06-Apr	120	375	109	365	219	517	188	343	57
WHATSHAN (UPPER)	2B05	1480	06-Apr	196	686	103	710	484	964	350	668	48
BARNES CREEK	2B06	1620	06-Apr	166	550	106	527	345	768	299	518	50
BARNES CREEK	2B06P	1620	01-Apr	N/A	566	104	596	401	773	326	546	19
ST. LEON CREEK	2B08	1800	06-Apr	386	1442	115	N	961	1831	818	1253	37
ST. LEON CREEK	2B08P	1800	01-Apr	N/A	1215	107	1268	833	1553	585	1133	18
KOCH CREEK	2B07	1860	06-Apr	252	825	109	768	705	1156	397	755	47
RECORD MOUNTAIN	2B09	1890	05-Apr	267	805	107	790	604	1307	315	752	34
EAST CREEK	2D08P	2030	01-Apr	N/A	1009	109	949	728	1245	450	922	30

EAST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
FERNIE EAST	2C07	1250	01-Apr	100	372	111	371	137	605	123	335	59
SINCLAIR PASS	2C01	1370	02-Apr	61	184	136	130	41	262A	36	135	72
SULLIVAN MINE	2C04	1550	28-Mar	139	372	119	318	134	538	134	313	66
VERMILION RIVER NO.3	2C20	1612							401	175	286*	16
KIMBERLEY (MIDDLE) VOR	2C12	1680	02-Apr	146	448	161	368	118A	462	116	279	42
MOUNT JOFFRE	2C16	1750	02-Apr	188	533	137	N	246	711	179	388	38
MORRISSEY RIDGE	2C09Q	1800	01-Apr	N/A	833	112	803	506	1224	363	744	27
MOYIE MOUNTAIN	2C10P	1930	01-Apr	156	625	156	520E	296	679	216	401	31
THUNDER CREEK	2C17	2010	02-Apr	165	452	157	335	228	475	140A	287	38
FLOE LAKE	2C14	2090	02-Apr	288	1027	130	918	658	1242	411	791	38
FLOE LAKE	2C14P	2090	01-Apr	N/A	994	137	821	600	1001	360	724	17
KIMBERLEY (UPPER) VOR	2C11	2140	05-Apr	213	582	125	534	339	798	197	467	42
MOUNT ASSINIBOINE	2C15	2230	N	N	N	N	610	473	816	252	551	39

WEST KOOTENAY Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
DUNCAN LAKE NO. 2	2D07A	650	01-Apr	36	132	150	195	0	223	0	88*	21
FERGUSON	2D02	880	29-Mar	168	620	106	716	453	881	142	587	68
NELSON	2D04	930	29-Mar	118	393	106	352	149	622	137	372	73
SANDON	2D03	1070							585	71	357	68
CHAR CREEK	2D06	1310	01-Apr	196A	620A	110	545		940	273	563	45
GRAY CREEK (LOWER)	2D05	1550	02-Apr	206	645	137	662	336	688	290	472	61
KOCH CREEK	2B07	1860	06-Apr	252	825	109	768	705	1156	397	755	47
MOUNT TEMPLEMAN	2D09	1860	N	N	N	N	N	N	1608	688	1076	34
GRAY CREEK (UPPER)	2D10	1910	02-Apr	310	1048	134	956	586	1123	492	783	40
EAST CREEK	2D08P	2030	01-Apr	N/A	1009	109	949	728	1245	450	922	30
REDFISH CREEK	2D14P	2104	01-Apr	480	1755	145	1395	1121	1508	814	1209*	10

KETTLE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
FARRON	2B02A	1220	03-Apr	107	311	94	356	243	480	162	330	39
CARMI	2E02	1250	30-Mar	47	134	94	132	64	290	14	142	49
MONASHEE PASS	2E01	1370	06-Apr	120	375	109	365	219	517	188	343	57
BIG WHITE MOUNTAIN	2E03	1680	31-Mar	153	478	94	508	434	762	332	507	46
GRANO CREEK	2E07P	1860	01-Apr	174	549	106	572	416	773	334	520*	14
BLUEJOINT MOUNTAIN	2E06	2040	06-Apr	214	692	93	796	679	1175	329	742	29

OKANAGAN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
SUMMERLAND RESERVOIR	2F02	1280	01-Apr	86	239	106	305	167	389	96	226	70
MC CULLOCH	2F03	1280	03-Apr	66	189	122	204	84	249	38	155	73
ABERDEEN LAKE	1F01A	1310	02-Apr	59	153	107			259	6	143	69
OYAMA LAKE	2F19	1340	30-Mar	72	174	102	163	120	255	61	170	39
POSTILL LAKE	2F07	1370	29-Mar	88	241	108	203	156	348	109	224	61
VASEUX CREEK	2F20	1400	04-Apr	50	118	75	154	N	239	40	157	40
BOULEAU LAKE	2F21	1400	31-Mar	88	246	69	264	262	564	192	354	37
TROUT CREEK	2F01	1430	30-Mar	90	248	136			396	52	182	66
TROUT CREEK (WEST)	2F01A	1430	30-Mar	88	272	100	271				*271	1
ESPERON CR (MIDDLE)	2F14	1430	30-Mar	100	296	80	322	242	607	196	372	41
BRENDA MINE	2F18	1460	29-Mar	97	295	93		236	531	159	318	41
BRENDA MINE	2F18P	1460	01-Apr	N/A	340	86	385	305	497	227	394	19
ISLAHT LAKE	2F24	1480	02-Apr	110	227	65	292	269	501	165A	349	29
GREYBACK RESERVOIR	2F08	1550	04-Apr	106	298	128	280	228	351	114	233	58
ESPERON CR (UPPER)	2F13	1650	30-Mar	127	384	88	376	300	805	244	435	40
ISINTOK LAKE	2F11	1680	30-Mar	77	200	109	169		340	66	183	44
MACDONALD LAKE	2F23	1740	29-Mar	124	380	82		N	677	257	463	32
MISSION CREEK	2F05P	1780	01-Apr	178	549	116	508E	412	728	278	472	39
GRAYSTOKE LAKE	2F04	1810	03-Apr	139	430	106	330		828	196	405	39
MOUNT KOBAN	2F12	1810	31-Mar	117	312	98	405	344	602	105	318	46
WHITEROCKS MOUNTAIN	2F09	1830	30-Mar	164	563	96	550	494	1021	318	586	58
SILVER STAR MOUNTAIN	2F10	1840	31-Mar	204	740	97	794	675	1115	414	760	53

SIMILKAMEEN Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
BROOKMERE	1C01	980	30-Mar	86	223	111	220	119	399	51	201	66
LIGHTNING LAKE	3D02	1220	27-Mar	142	445	146	345	219	622	60	305	61
HAMILTON HILL	2G06	1490	27-Mar	112	367	103	294	159	851	83	356	52
MISSEZULA MOUNTAIN	2G05	1550	25-Mar	84	246	102	234	130	361	90	242	47
ISINTOK LAKE	2F11	1680	30-Mar	77	200	109	169		340	66	183	44
LOST HORSE MOUNTAIN	2G04	1920	25-Mar	84	243	100	292	191	533	138	243	48
BLACKWALL PEAK	2G03P	1940	01-Apr	306	1135	136	944	686	1494	400	833	44

SOUTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
PALISADE LAKE	3A09	880	N	N	N			3560A	285	1440	54	
PALISADE LAKE	3A09P	880	01-Apr	N/A	N/A	N/A	1636	425	1641	331	936*	9
POWELL RIVER (LOWER)	3A05	910				1257		1554	85	743	31	
POWELL RIVER (UPPER)	3A02	1040				1610		1813	511	1046	30	
CALLAGHAN CREEK	3A20	1040	28-Mar	290	1128	125	1280	866	1604	192	902	33
DOG MOUNTAIN	3A10	1080	29-Mar	356	1525	125	1559	758	2720A	51	1223	61
GROUSE MOUNTAIN	3A01	1100	29-Mar	388	1590	132	1640	908	2670A	44	1203	70
ORCHID LAKE	3A19	1190	N	N	N	N	2650		3770A	748	1905	33
ORCHID LAKE	3A19P	1190	01-Apr	N/A	2205	127	2230	1526	3819	717	1736*	13
UPPER SQUAMISH RIVER	3A25P	1340	01-Apr	520	1973	122	2400E	1572	2089	821	1620	19
NOSTETUKO RIVER	3A22P	1500	01-Apr	117	829	136	873	604	1043	236	608*	20
UPPER MOSELY CREEK	3A24P	1650	01-Apr	98	331	113	364	335	567	135	292*	23

VANCOUVER ISLAND Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
ELK RIVER	3B04	270	05-Apr	0	0	0	0	0	607	0	89	47
WOLF RIVER (LOWER)	3B19	640				846	282	1198	0	381	39	
UPPER THELWOOD LAKE	3B10	980	05-Apr	570	2158	139	2287	1410	3200A	354	1554	51
WOLF RIVER (MIDDLE)	3B18	1070	05-Apr	175	650	98	1062	752	1706	0	664	39
FORBIDDEN PLATEAU	3B01	1130	05-Apr	586	2188	137	2565	1756	3550A	387	1595	57
JUMP CREEK	3B23P	1160	01-Apr	459	1708	141	1873	954	1916	401	1208	14
MOUNT COKELY	3B02A	1250	N	N	N	N	1378		2100	331	864	30
WOLF RIVER (UPPER)	3B17P	1490	01-Apr	N/A	1564E	110	2057	1797E	2057	323	1420	22

NORTH COASTAL Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
WEDEENE RIVER SOUTH	3C07	300	28-Mar	236	981	304	604		900A	36	323	25
TAHTSA LAKE	1B02	1300	31-Mar	438	1972	167	1313	1214	1800A	775	1179	58
TAHTSA LAKE	1B02P	1300	01-Apr	N/A	1839	152	1279	1308	2228	860	1212	18
BURNT BRIDGE CREEK	3C08P	1330	01-Apr	312	1390	174	785	661	1380	420	801*	13

SKAGIT Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
SUMALLO RIVER WEST	3D01C	790	04-Apr	130	461	194	288	N	434	0	238	18
KLESILKWA	3D03A	1130	04-Apr	124	416	142	357	N	792	0	293	59
LIGHTNING LAKE	3D02	1220	27-Mar	142	445	146	345	219	622	60	305	61

PEACE Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
FORT ST. JOHN A	4A25	690	29-Mar	29	70	69	103		226	0	102	37
PACIFIC LAKE	1A11	770	26-Mar	270	1060	169	733	463	879	290	628	48
WARE (LOWER)	4A04	980	28-Mar	84	215	114	164	166	316	118	188	39
PHILIP LAKE	4A13	980	27-Mar	110	357	124	302	191	449	176	287	45
AIKEN LAKE	4A30P	1040	01-Apr	N/A	328	127	263	203	371	199	258	24
TUTIZZI LAKE	4A06	1070	27-Mar	122	349	137	294	169	406	166	255	47
TSAYDAYCHI LAKE	4A12	1160	27-Mar	162	575	146	435	314	639	277	394	45
KAZA LAKE	1A12	1190	27-Mar	143	476	141	365	220	465	220	338	45
PULPIT LAKE	4A09	1310	28-Mar	156	516	128	410	388	618	297	402	47
PULPIT LAKE	4A09P	1310	01-Apr	N/A	527	128	445	375	608	344	411	21
FREDRICKSON LAKE	4A10	1310	27-Mar	96	259	106	200	192	351	163	245	47
PINE PASS	4A02P	1400	01-Apr	N/A	1487	135	878	875	1530	371	1101	20
TRYGVE LAKE	4A11	1400	27-Mar	141	452	126	344	348	511	257	359	47
SIKANNI LAKE	4C01	1400	28-Mar	107	294	110	252	217	380	194	268	46
PINE PASS	4A02	1400	28-Mar	395	1731A	151	1116	1014	1653	668	1150	49
MORFEE MOUNTAIN	4A16	1450	26-Mar	237	1003	117	934	604	1158	555	854	44
LADY LAURIER LAKE	4A07	1460	28-Mar	194	694	138	523	501	854	384	503	45
MOUNT SHEBA	4A18	1490	26-Mar	272	1181	143	1036	748	1294	495	825	42
GERMANSEN (UPPER)	4A05	1500	27-Mar	145	488	139	391	316	523	261	352	44
MOUNT STEARNS	4A21	1500	28-Mar	60	110A	74	151	138	239	59	148	34
JOHANSON LAKE	4B02	1540	27-Mar	117A	341	117	278	254	417	173	291	47
MONKMAN CREEK	4A20	1550	26-Mar	198	796	134	N	512	1067	313	593	31
WARE (UPPER)	4A03	1570	28-Mar	100	235	93	255	214	390	157	254	40
KWADACHA RIVER	4A27P	1620	01-Apr	N/A	330E	99	272	266	446	240	332*	27

LIARD Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
FORT NELSON A	4C05	380	30-Mar	30	58	61	81		198	23	95	45
DEASE LAKE	4C03	820					113		259	50A	136	46
JADE CITY	4C15	940	28-Mar	94	254	107	236	176	340	162	237*	10
SUMMIT LAKE	4C02	1280	02-Apr	43	54	47	204	95	240	0	114	43
SIKANNI LAKE	4C01	1400	28-Mar	107	294	110	252	217	380	194	268	46

SKEENA/NASS Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
TERRACE A	4B13A	180	28-Mar	81	309	351	171	0	333	0	88*	32
BEAR PASS	4B11A	460	29-Mar	221	771	109	550	330	1013	330	706	27
NINGUNSAW PASS	4B10	690	29-Mar	154	554	126	248	266	730A	231	438	37
GRANDUC MINE	4B12P	790	01-Apr	N/A	1800	104			1909	1609	1728*	6
CEDAR-KITEEN	4B18P	885	01-Apr	N/A	1042	148	625	346	1114	346	704*	11
McKENDRICK CREEK	4B07	1050	26-Mar	118	362	122	322	213	427	183	297	43
TACHEK CREEK	4B06	1140	02-Apr	102	328	141	272	168	362	112	232	43
KAZA LAKE	1A12	1190	27-Mar	143	476	141	365	220	465	220	338	45
LU LAKE	4B15	1300	28-Mar	129	456	143	332	246	504	162	318	35
LU LAKE	4B15P	1310	01-Apr	118	383	141	330	236	484	150	271*	13
TSAI CREEK	4B17P	1360	01-Apr	320	1754	149	1349	1144	1827	915	1179*	13
KIDPRICE LAKE	4B01	1370	31-Mar	328	1781	194	973	824	1601	622	919	56
TRYGVE LAKE	4A11	1400	27-Mar	141	452	126	344	348	511	257	359	47
EQUITY MINE	4B14	1420	28-Mar	148	556	137	420	350	640	258	405	35
CHAPMAN LAKE	4B04	1460	26-Mar	176	672	142	560	410	762	315	474	46
HUDSON BAY MTN.	4B03A	1480	26-Mar	181	651	124	550	440	846	356	524	40
MOUNT CRONIN	4B08	1480	26-Mar	202	743	121	716	510	1097	433	612	43
SHEDIN CREEK	4B16P	1480	01-Apr	263	1096	123	849	660	1050	660	893*	15
JOHANSON LAKE	4B02	1540	27-Mar	117	341	117	278	254	417	173	291	47

STIKINE/TAKU Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
TELEGRAPH CREEK	4D01	580				94	74	343	37	156	36	
NINGUNSAW PASS	4B10	690	29-Mar	154	554	126	248	266	730A	231	438	37
DEASE LAKE	4C03	820	03-Apr	45	67	49	113		259	50A	136	46
ISKUT	4D02	1000	29-Mar	52	106	99	126	60	180A	0	107	37

YUKON Drainage Basin

Snow Course Name and Number	Elev. metres	Date of Survey	Apr 2012			Historic, Water Equivalent (mm)					Yrs of Record	
			Snow Depth cm	Water Equiv. mm	% of Normal	2011 mm	2010 mm	Max. mm	Min. mm	Normal mm		
ATLIN LAKE	4E02A	730	31-Mar	48	112	91	74	116	267	50	123*	28
LOG CABIN	4E01	880					428	596	213	372		50

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

N- SCHEDULED, BUT NOT MEASURED

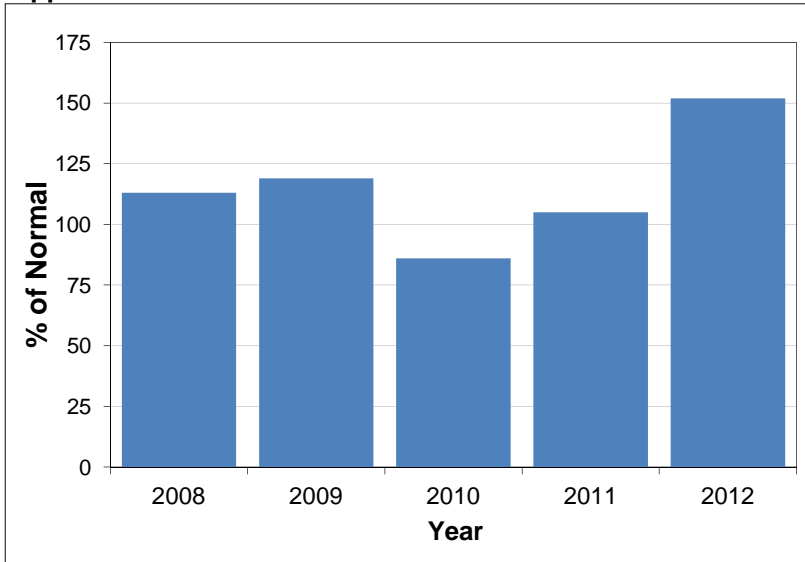
* - PERIOD OF RECORD AVERAGE

N/A - NOT AVAILABLE

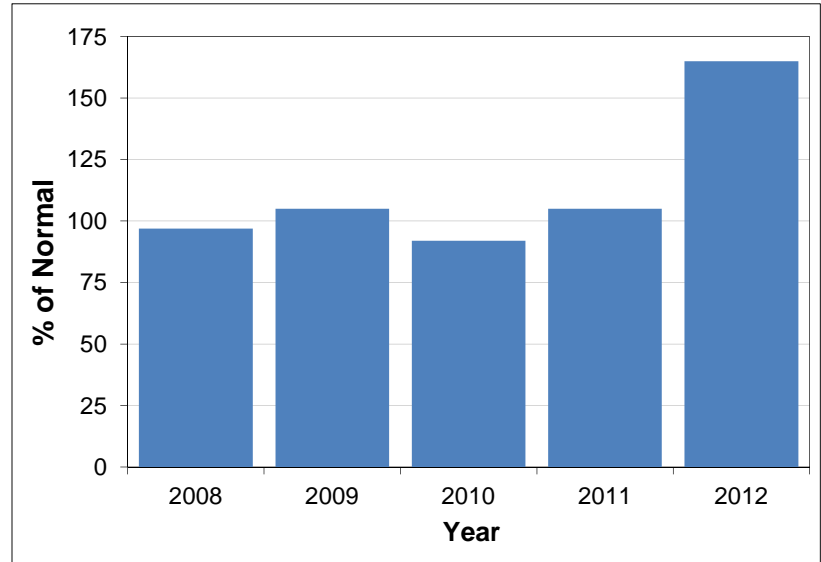
NOTE: 1971-2000 NORMALS BEING USED

Snow Basin Index Graphs - April 1, 2012

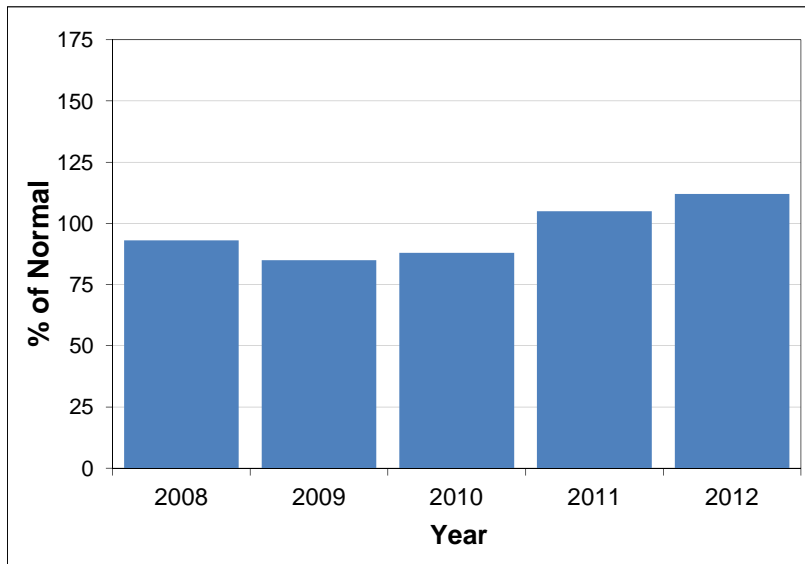
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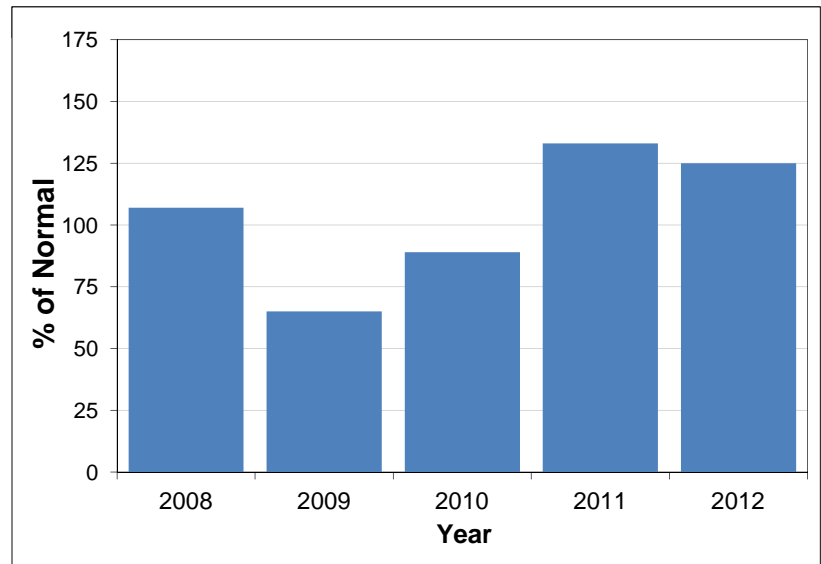
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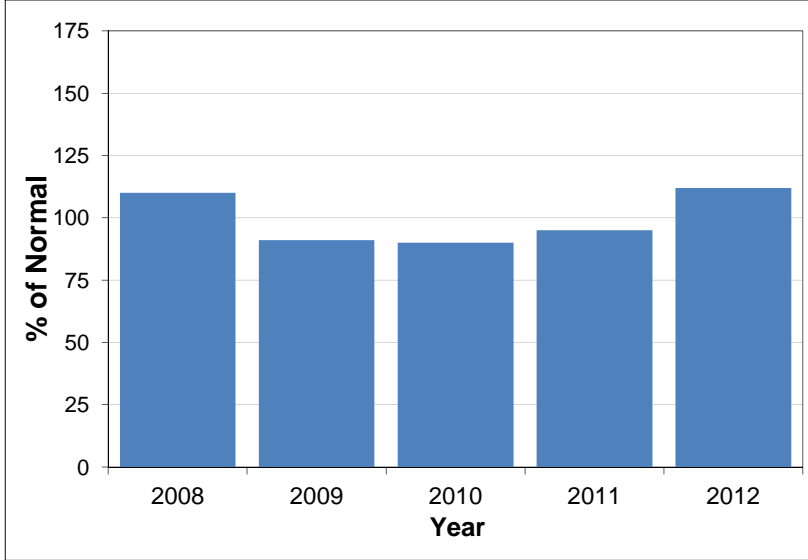
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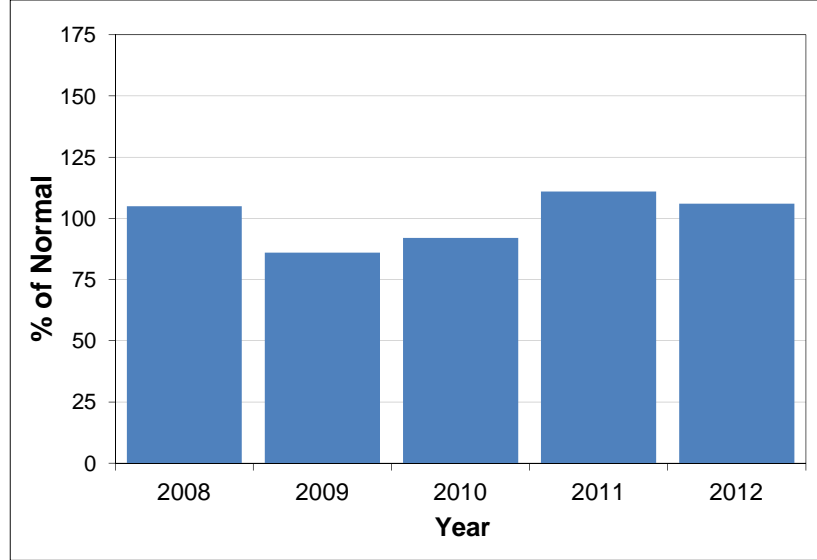
Lower Fraser



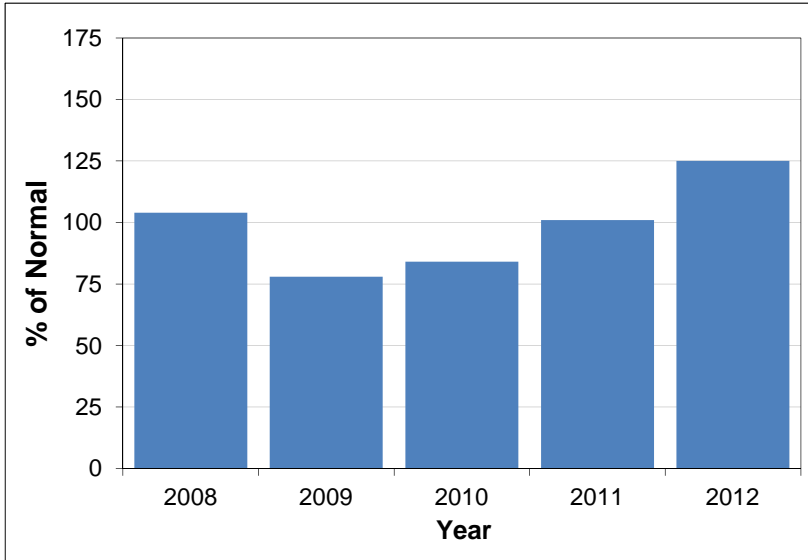
North Thompson



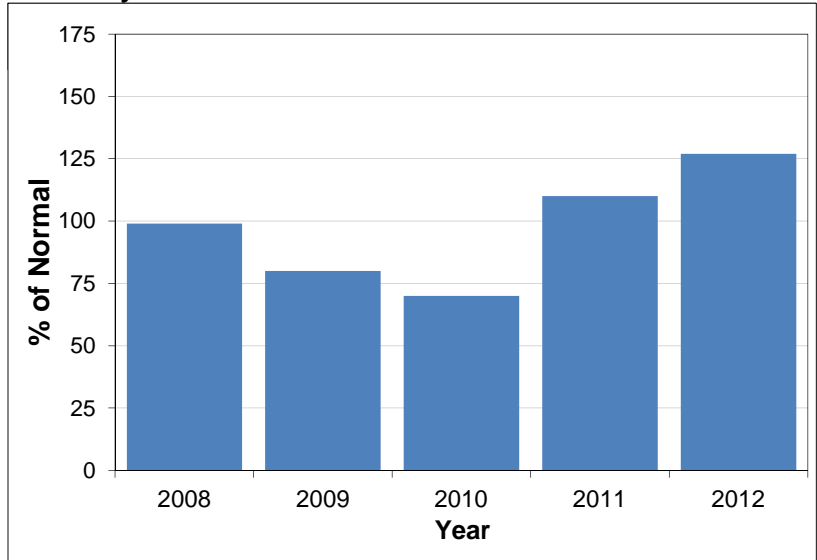
South Thompson



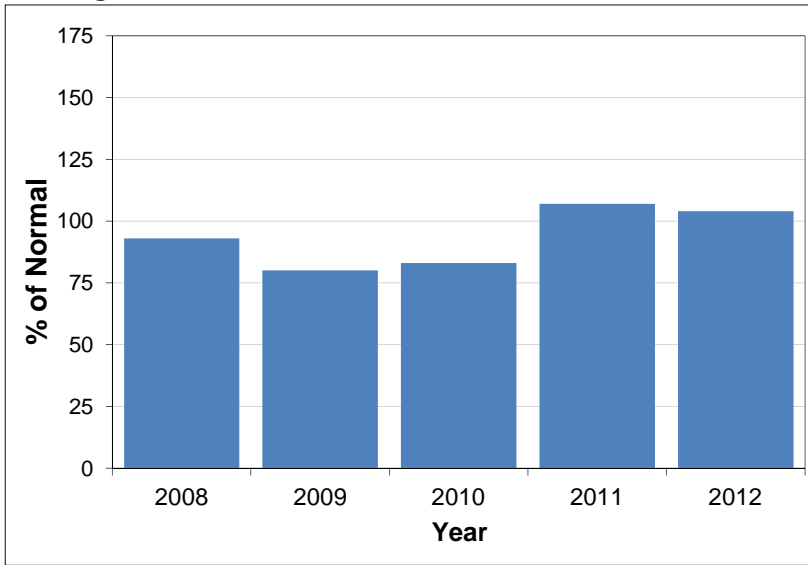
Columbia



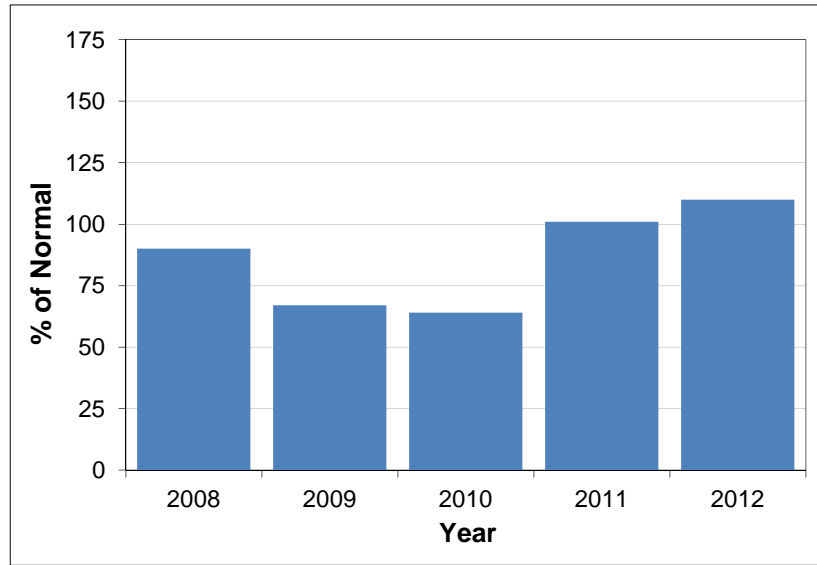
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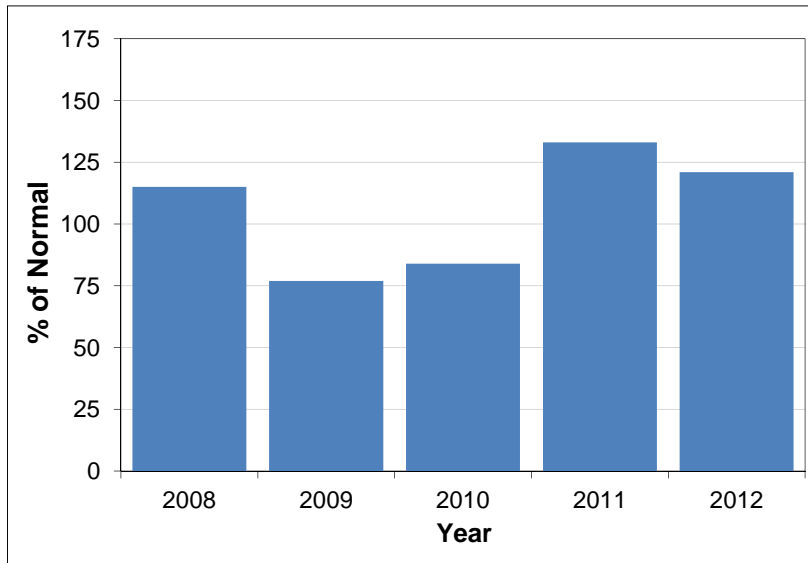
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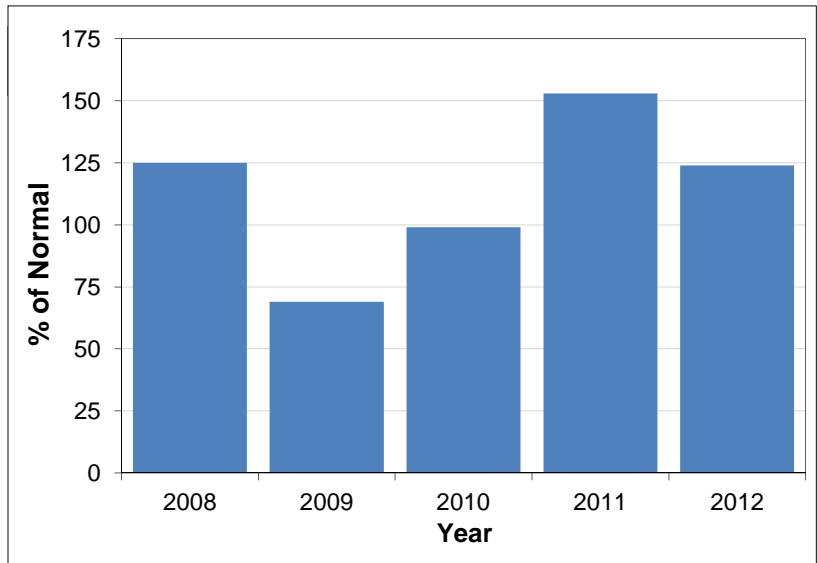
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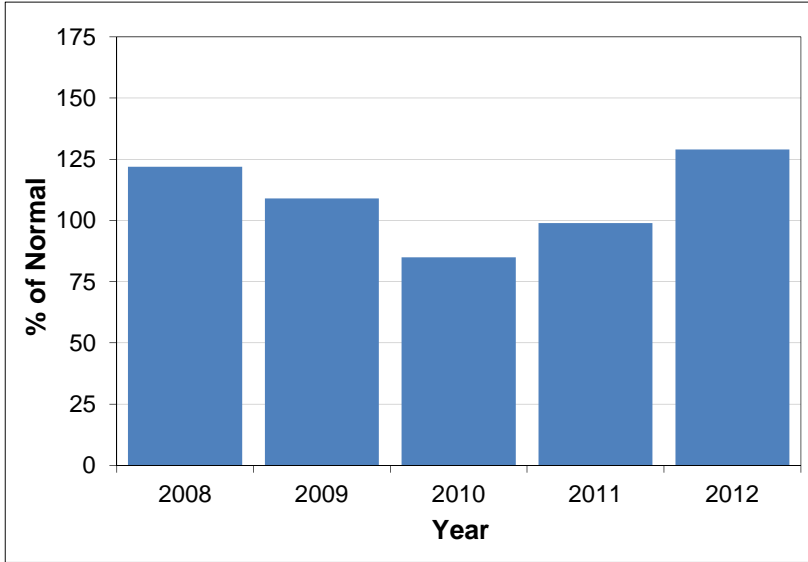
South Coast



Vancouver Island



Peace



Skeena-Nass

