



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.



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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%.



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Okanagan

Snow pack levels are variable in the Okanagan basin, and range from 84% of normal (Islaht 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.

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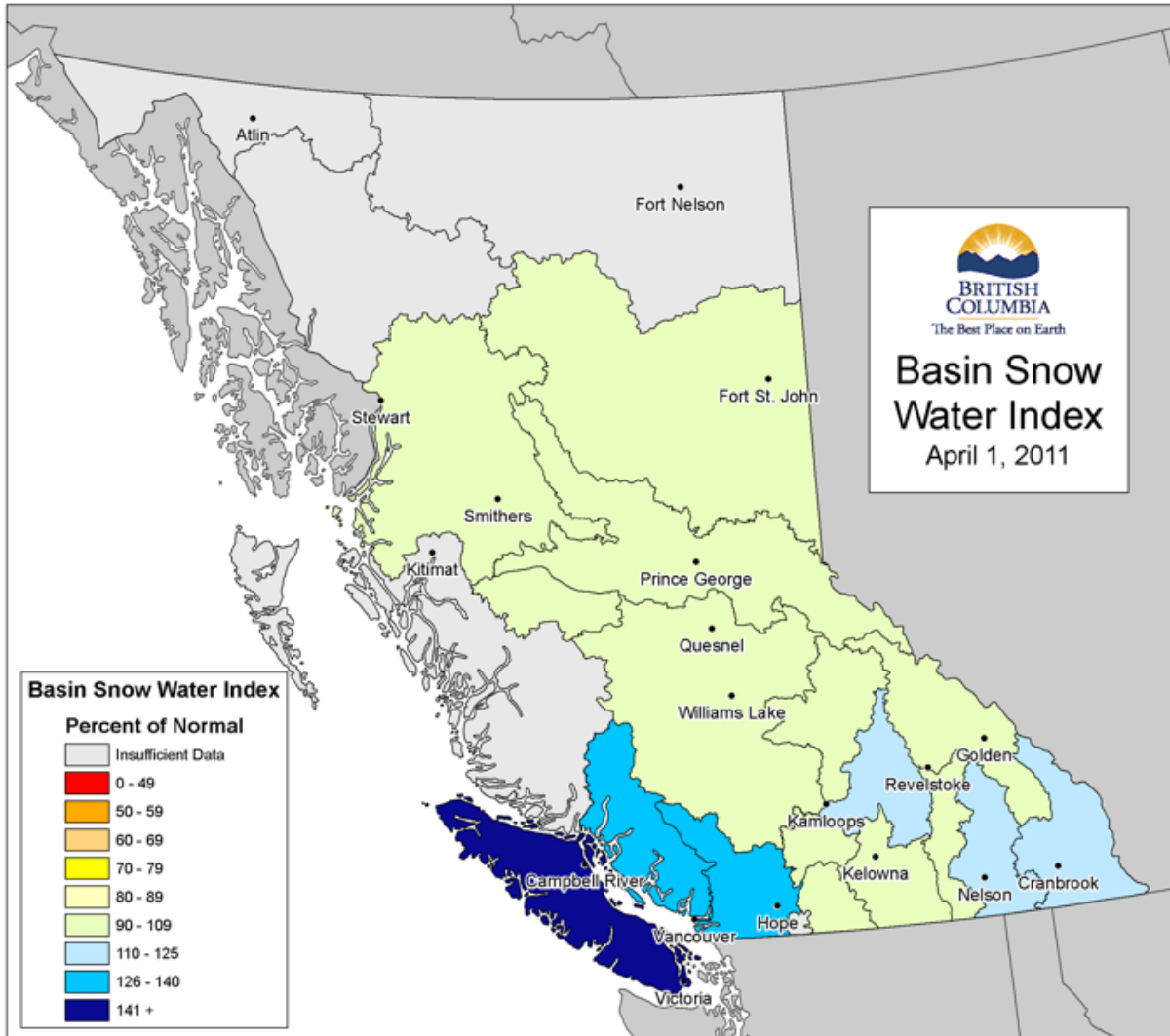
Normal to above normal water supply conditions are forecast for the spring runoff season. This should be particularly beneficial for replenishing groundwater, lake and reservoir levels in regions affected by dry conditions in the 2010 season (north-east BC, Skeena-Bulkley and Middle Fraser).

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.

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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
DOME MOUNTAIN	1A19	1820	28-Mar	206	781	103	584	836	1057	416	761	39
DOME 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

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		
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 KOBAN	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	0	224	607	0	89	48
WOLF RIVER (LOWER)	3B19	640	31-Mar	201	846	222	282	290	1198	0	381	38
UPPER THELWOOD LAKE	3B10	980	31-Mar	462	2287	147	1410	1292	3200A	354	1554	50
WOLF RIVER (MIDDLE)	3B18	1070	31-Mar	297	1062	160	752	426	1706	0	664	38
FORBIDDEN PLATEAU	3B01	1130	31-Mar	567	2565	161	1756	974	3550A	387	1595	55
JUMP CREEK	3B23P	1160	01-Apr	394	1873	155	954	986	1909	184	1208	13
MOUNT COKELY	3B02A	1250	28-Mar	354	1378	159		644	2100	331	864	30
WOLF RIVER (UPPER)	3B17P	1490	01-Apr	N/A	2057	145	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	158			900A	36	383*	26
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
BURNT BRIDGE CREEK	3C08P	1330	01-Apr	N/A	785	103	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	109	117	290	665	8	301*	65
BEAVER PASS	WA12	1120	03-Apr	249	909	117	546	579	1849	94	777*	65
KLESILKWA	3D03A	1130					401	792	0	293	62	
LIGHTNING LAKE	3D02	1220	31-Mar	110	345	113	219	231	622	60	305	62
HARTS PASS	WA09	1980	01-Apr	363	1311	121	894	884	1725	510	1084*	67
HARTS PASS	WA09P	1980	01-Apr	348	1458	150	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
TSAI 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

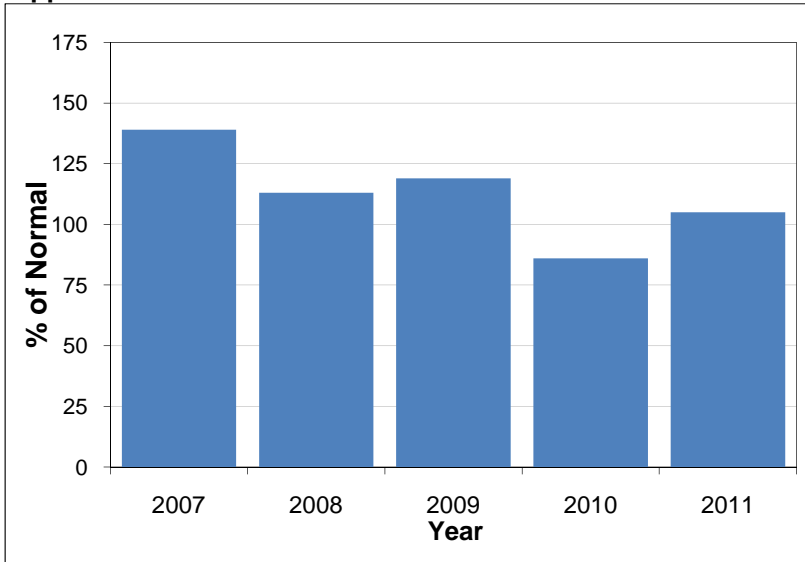
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E - ESTIMATED BASED ON AREAL AVERAGE

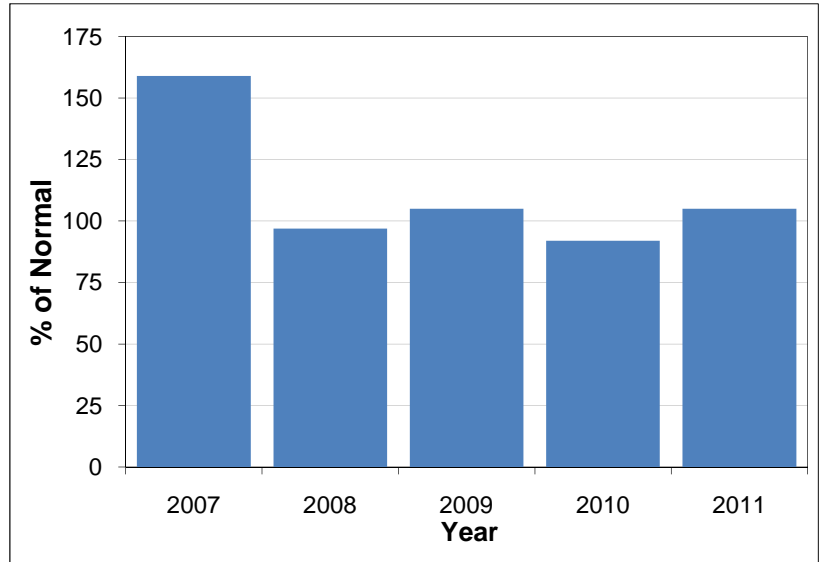
* - PERIOD OF RECORD AVERAGE

Snow Basin Index Graphs - April 1, 2011

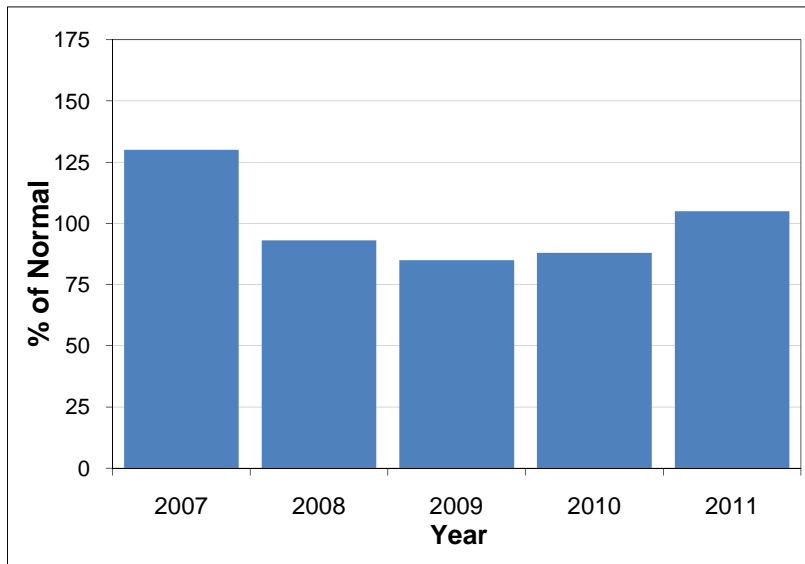
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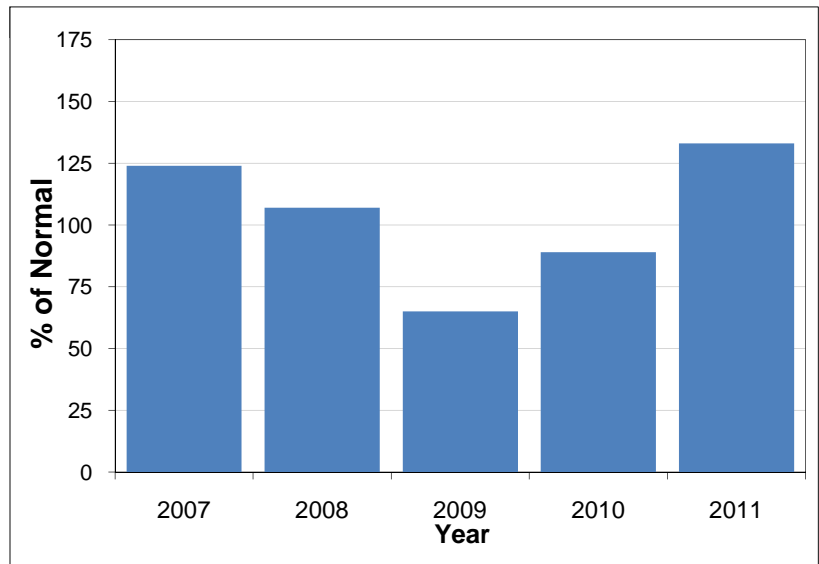
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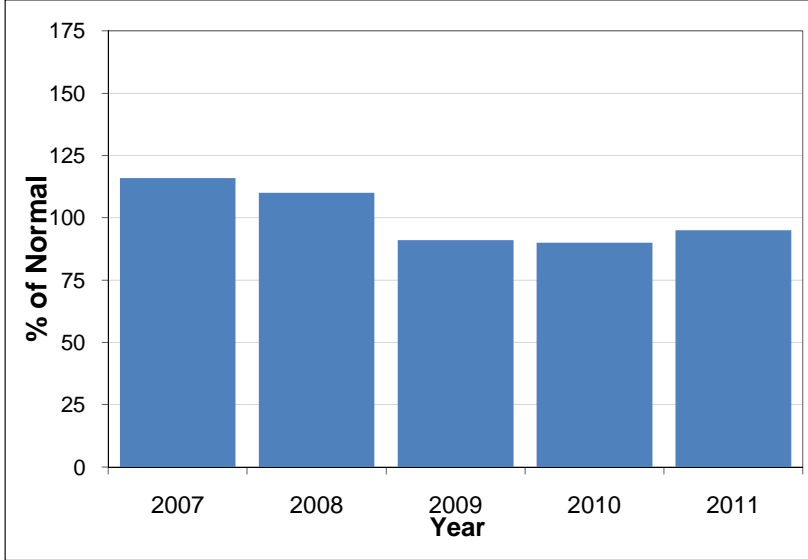
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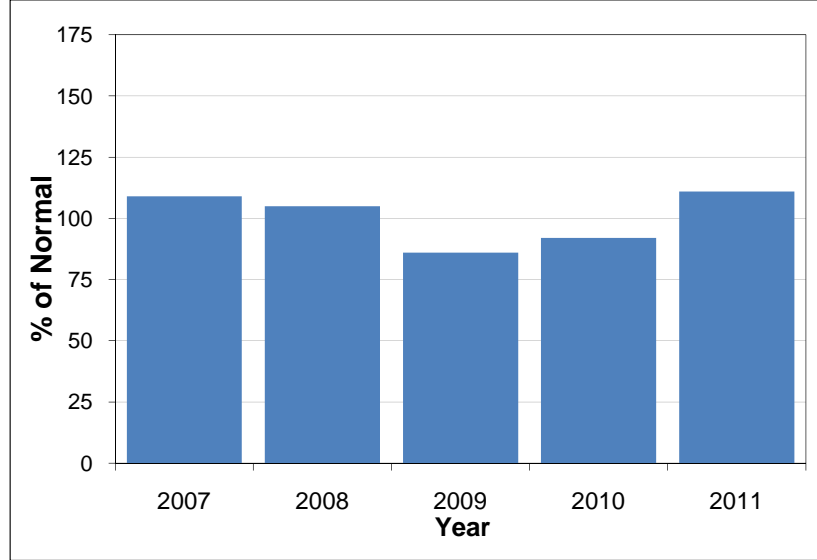
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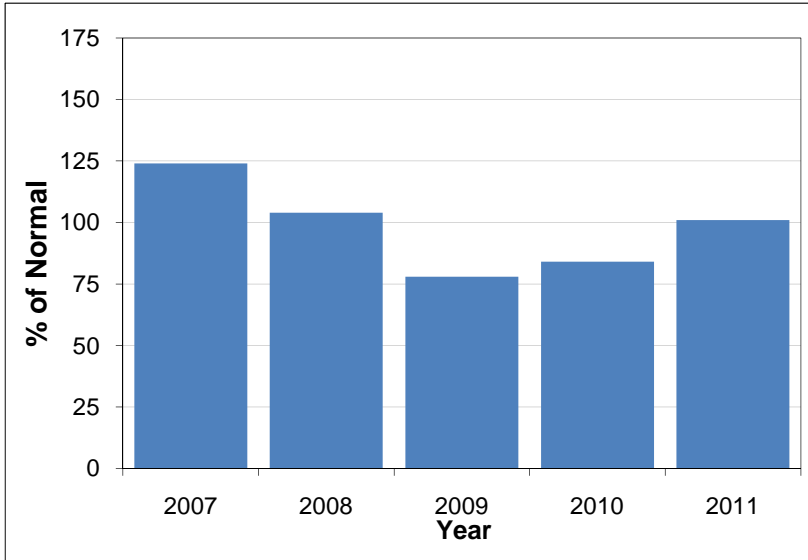
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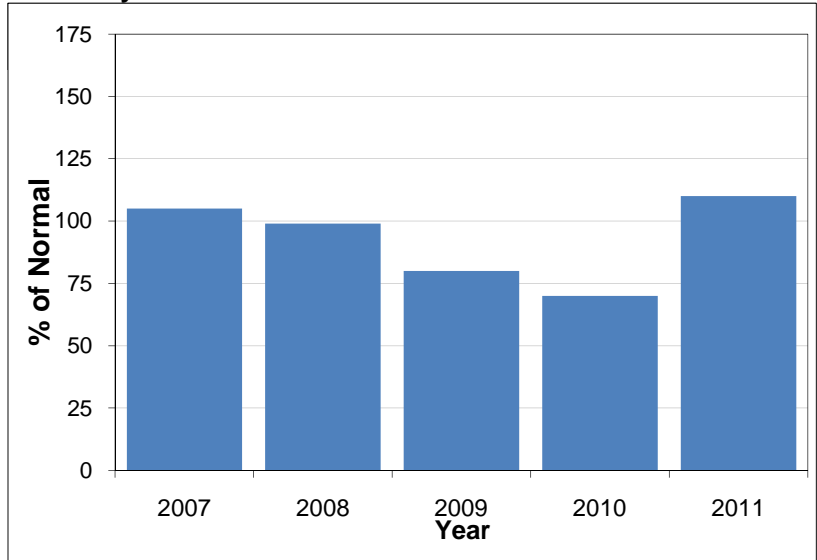
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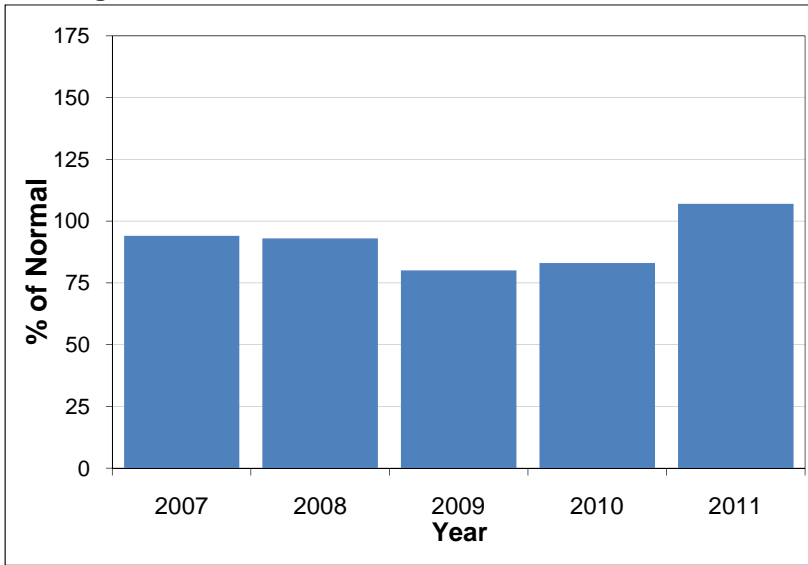
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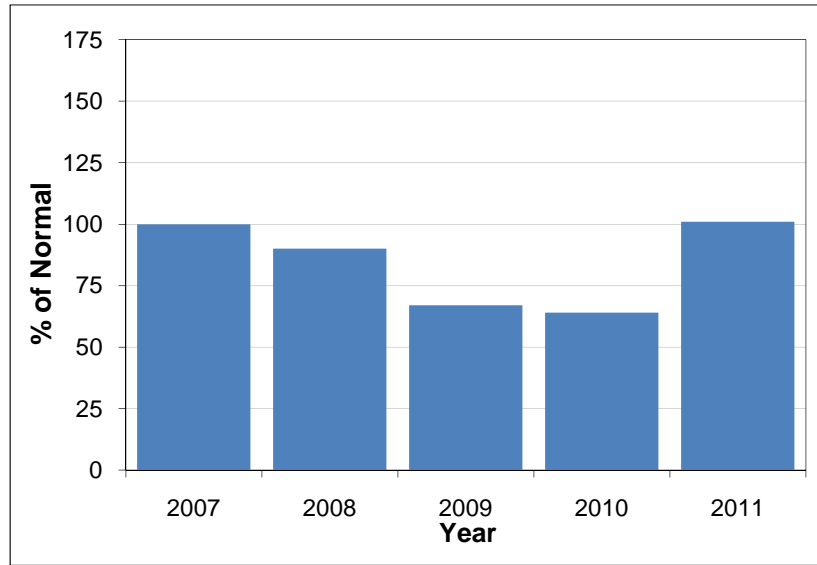
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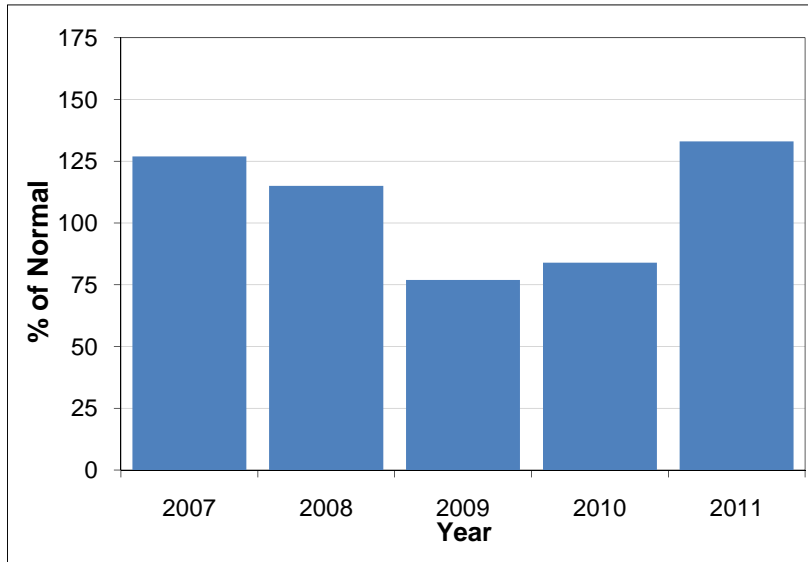
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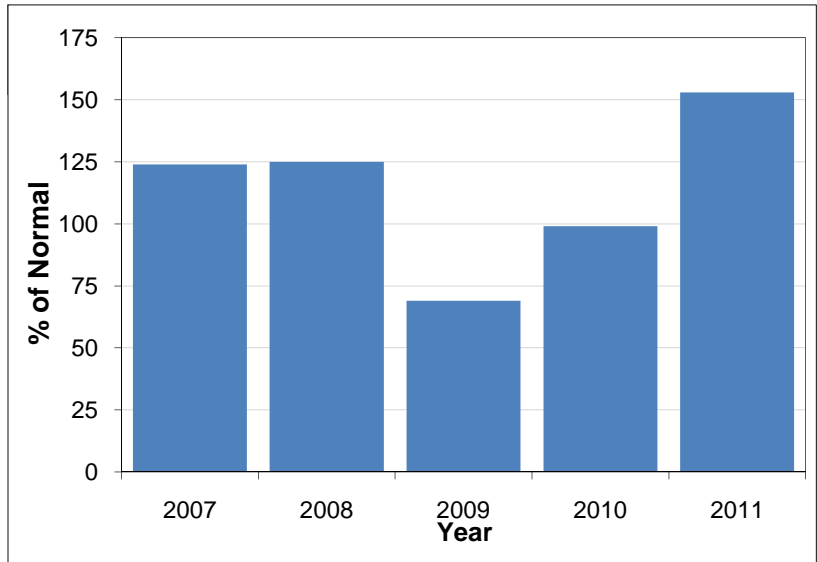
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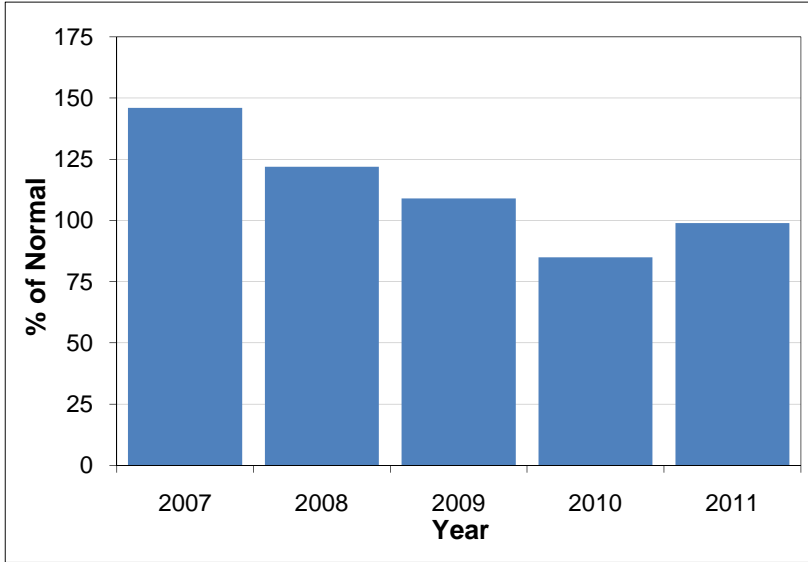
South Coast



Vancouver Island



Peace



Skeena-Nass

