

## Snow Survey and Water Supply Bulletin March 1<sup>st</sup>, 2014

The March 1<sup>st</sup> snow survey is now complete. Data from 142 snow courses and 51 snow pillows around the province and climate data from Environment Canada form the basis for the following report<sup>1</sup>.

### Weather

February weather was characterized by alternating periods of wet and cold. Temperatures through February were below average across the province, with moderate departures from normal along the South Coast, Vancouver Island and North Coast (1-3 °C below normal) and well below normal (5 °C or more below normal) through much of the BC Interior and North.

Precipitation patterns in February were variable across the province. Areas of the South Coast and Southern Vancouver Island and particularly in the regions around the Coquihalla, Skagit and Similkameen watersheds saw well above normal precipitation amounts. Other areas of the province experienced near normal or slightly below normal precipitation. Well below normal precipitation was experienced in the Skeena, Nechako, Chilcotin and Central Interior.

### Snowpack

Snow basin indices across the province range from a low of 52% of normal on Vancouver Island, to a high of 137% in the Liard and Upper Fraser (Table 1). Most regions of the province have normal to slightly below normal snow pack (85-110%; See Figure 1). Increased precipitation in the south-west of the province led to increases in snow basin indices in the Lower Fraser, South Coast and Vancouver Island, however these regions remain well below average. Dry conditions in the Nechako basin led to a decline in the snow basin index value, which is currently at 69% of normal.

Normal values for the March 1st period for individual snow observation locations can be found in Appendix 2.

**Table 1 - BC Snow Basin Indices – March 1, 2014**

Basin	% of Normal	Basin	% of Normal
Upper Fraser	137	Okanagan-Kettle	94
Nechako	69	Similkameen	118
Middle Fraser	95	South Coast	54
Lower Fraser	67	Vancouver Island	52
North Thompson	91	Central Coast	81
South Thompson	100	Skagit	109
Upper Columbia	99	Peace	96
Lower Columbia	87	Skeena-Nass	85
East Kootenay	98	Stikine	86
West Kootenay	96	Northeast-Liard	137

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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### Outlook

By early March, generally about 80% of the annual BC snowpack has accumulated, with another 6-8 weeks still left in the accumulation season.

Snow packs in the Upper Fraser and Liard are elevated (>130% of normal) indicating an increased potential for increased seasonal flood risk. In other areas of the province, near-normal snow pack levels indicate a normal season flood risk. The overall Fraser River basin index for March 1<sup>st</sup> is 91% of normal. Seasonal weather during the snow melt season is an important factor in determining whether or not flooding will occur. Adverse weather, including extreme heat or extreme precipitation, can cause flooding in years with normal, or even below normal snow packs.

In the south-west (Vancouver Island, South Coast, and Lower Fraser) the low snow packs (52-67%) indicate that we can expect below normal seasonal runoff during the spring melt. Given the time of year, significantly wet weather is required over the next 1-2 months to recover the snow pack to normal levels. While lower than normal spring runoff can be expected, spring and summer weather conditions will be the key factor in determining whether or not drought and low flows will occur this summer.

Seasonal volume runoff forecasts (in Appendix below) have higher than normal runoff (>105%) forecasted in the Upper Fraser and upper Similkameen basins, near normal or slightly below normal runoff (90-105%) forecasted in the Middle Fraser, Thompson, Okanagan, lower Similkameen, and Skeena basins, and below normal runoff (<90%) forecasted in the Nicola and Bulkley basins.

The winter 2013-2014 has been characterized by neutral ENSO conditions. The Climate Prediction Centre at the U.S. National Weather Service/NOAA has begun to forecast an increased likelihood of the development of El Niño conditions into the spring/summer of 2014. El Niño years typically have increased winter temperatures and decreased winter precipitation.

Seasonal forecasts from Environment Canada indicate a modest chance of above normal temperatures for the March to May 2014 period. Forecasts for seasonal precipitation do not indicate an increased likelihood of any particular precipitation trend through the spring.

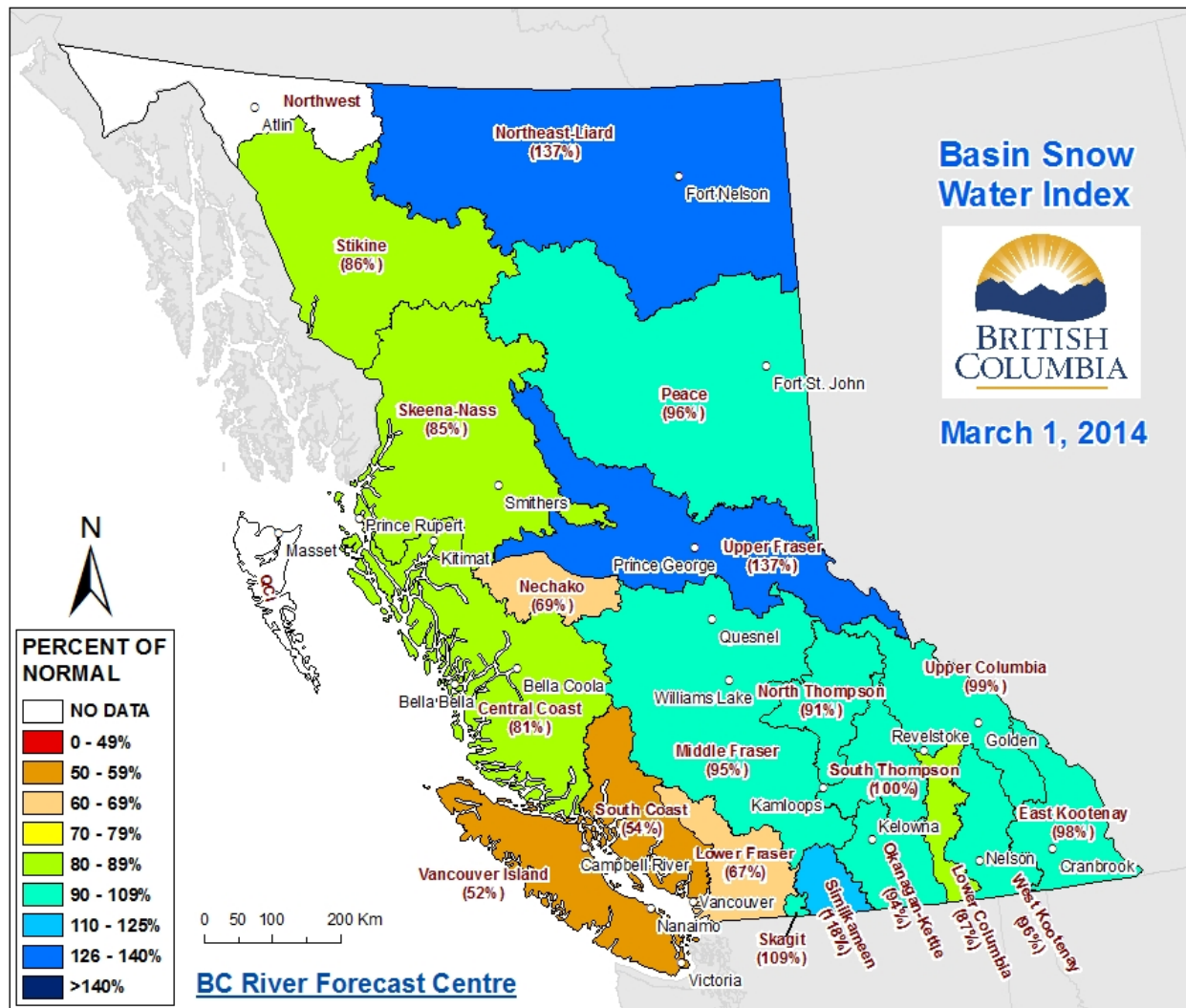
The River Forecast Centre will continue to monitor snow pack conditions and will provide an updated seasonal water supply and flood risk assessment in the April 2014 Snow Bulletin, scheduled for release on April 8, 2014.

Produced by: BC River Forecast Centre  
March 10, 2014



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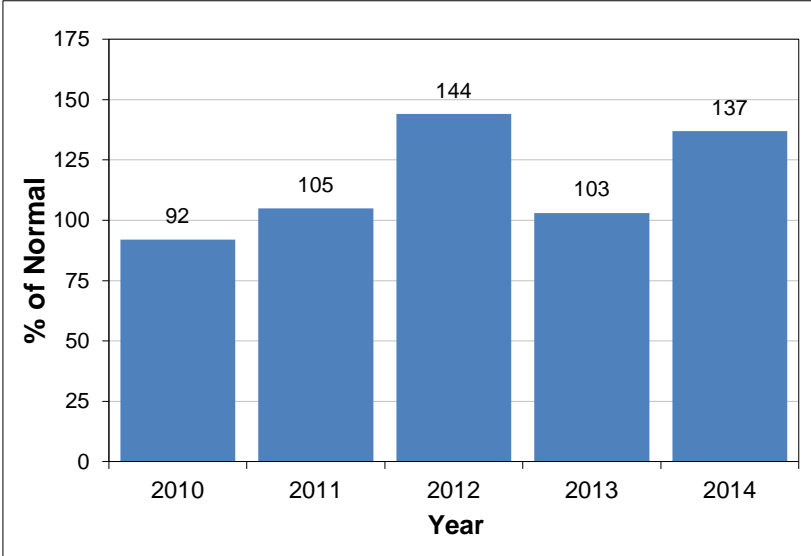
Figure 1: Basin Snow Water Index – March 1<sup>st</sup>, 2014



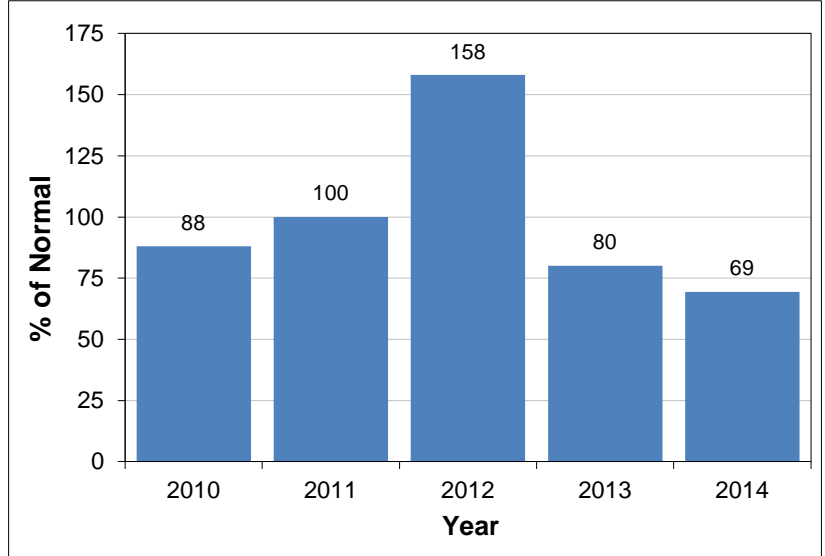
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## Snow Basin Index Graphs - March 1, 2014

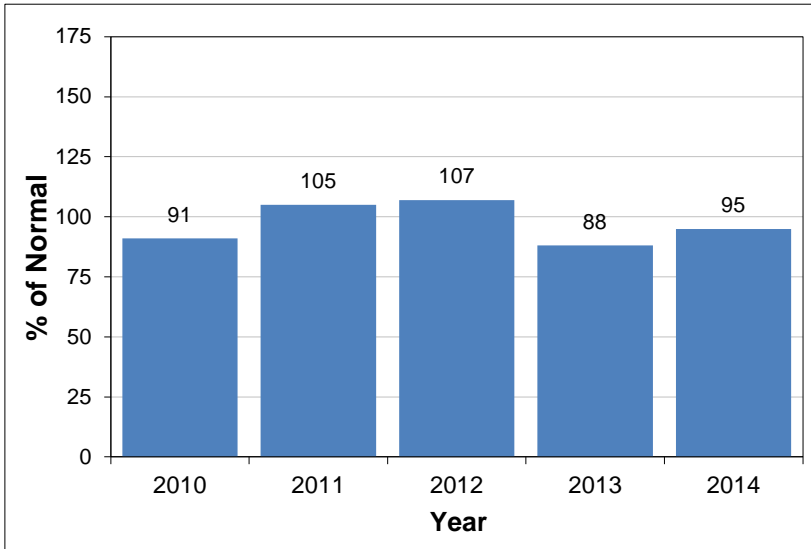
### Upper Fraser



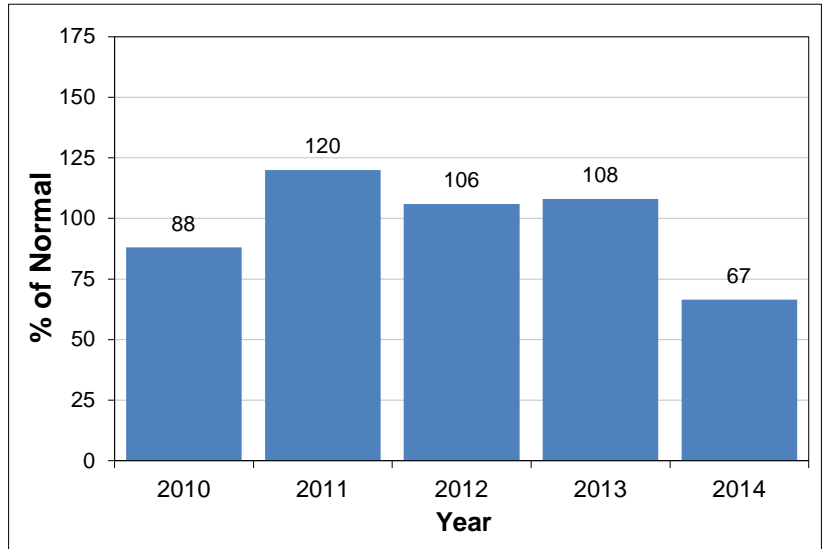
### Nechako



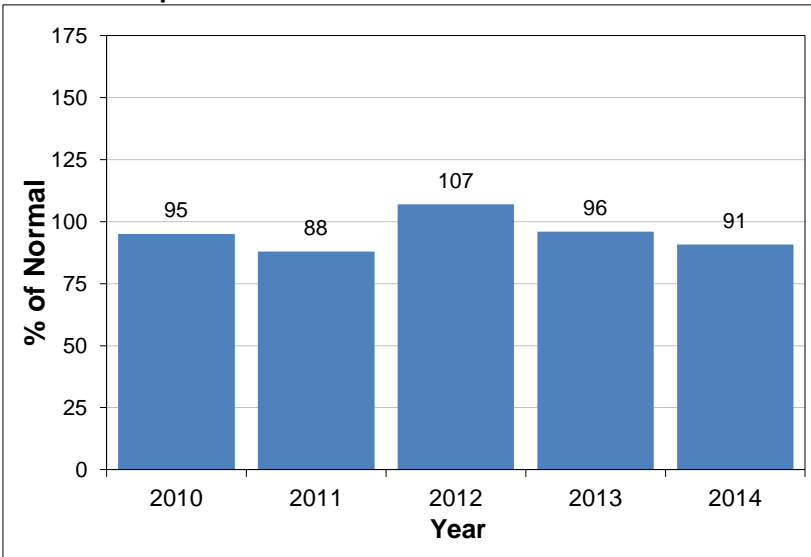
### Middle Fraser



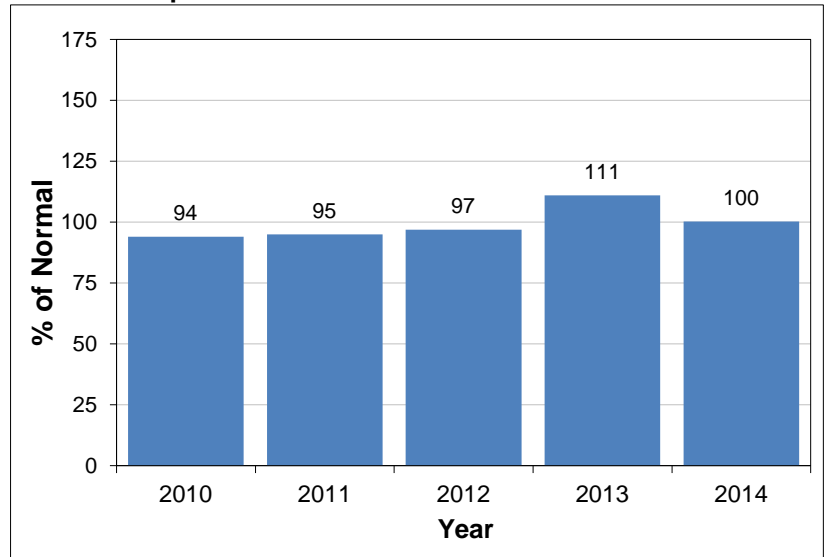
### Lower Fraser



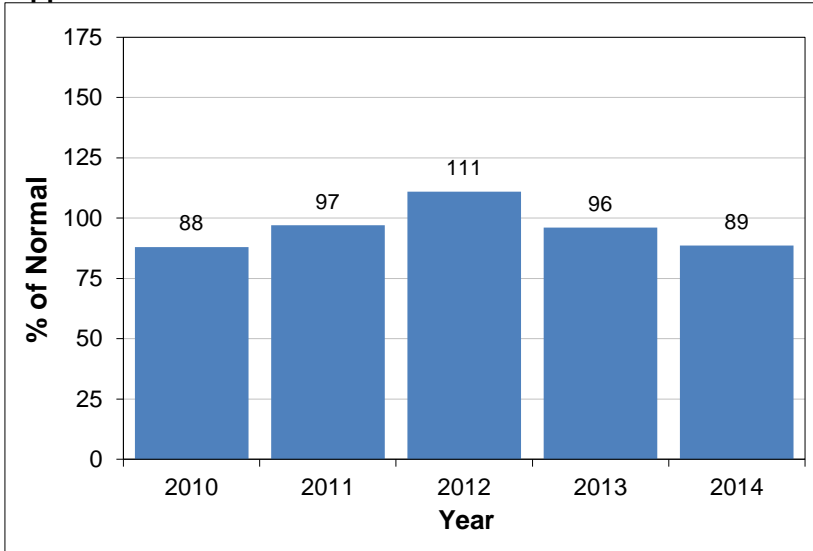
### North Thompson



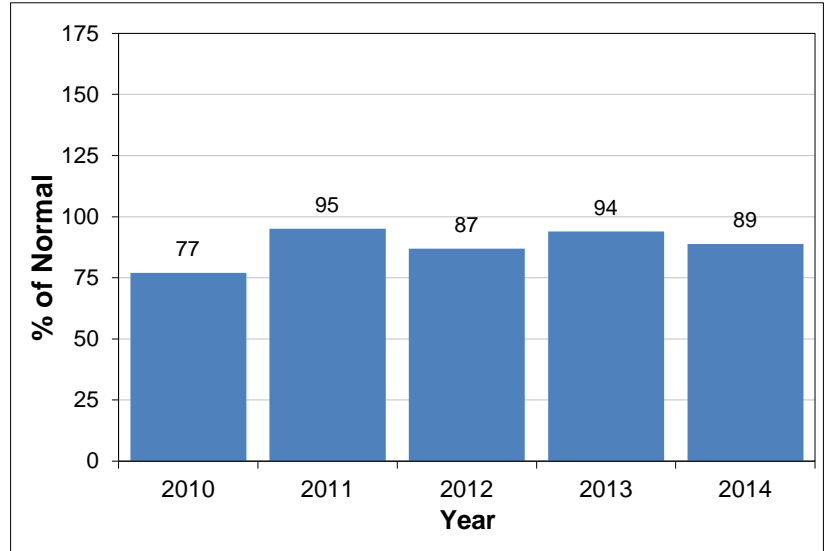
### South Thompson



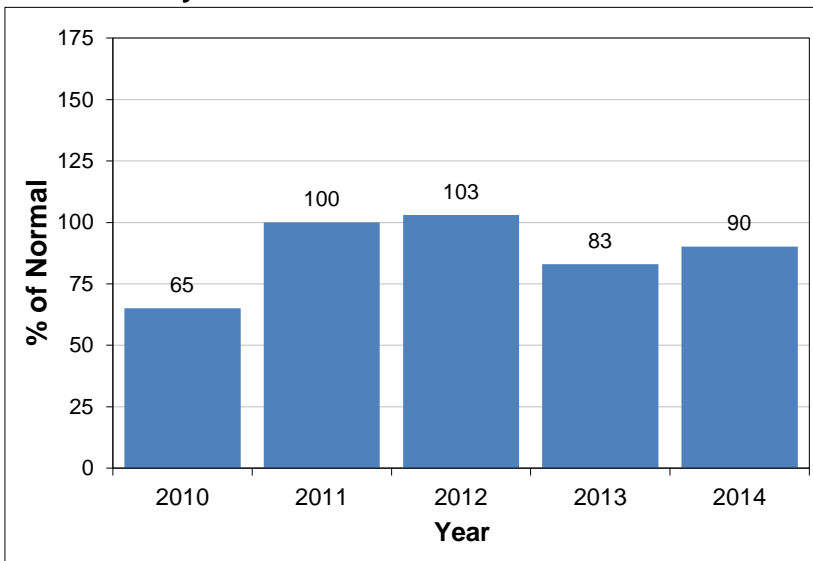
**Upper Columbia**



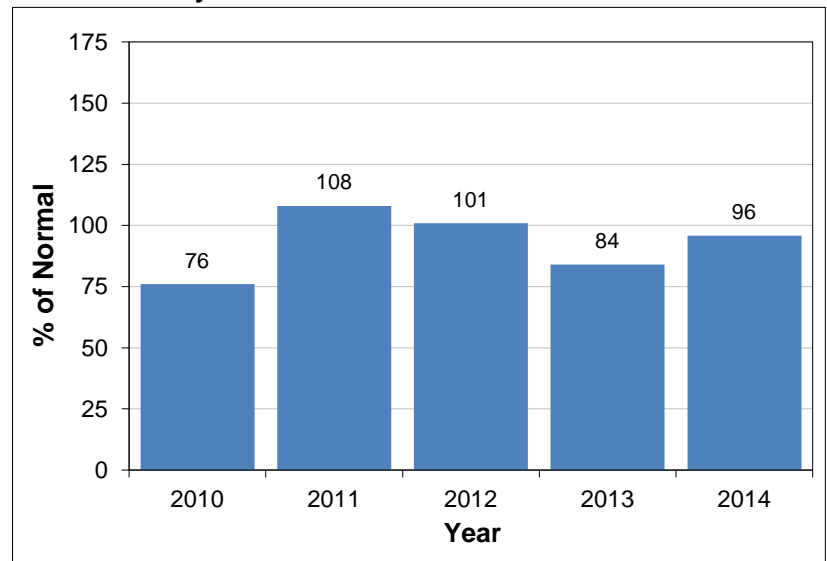
**Lower Columbia**



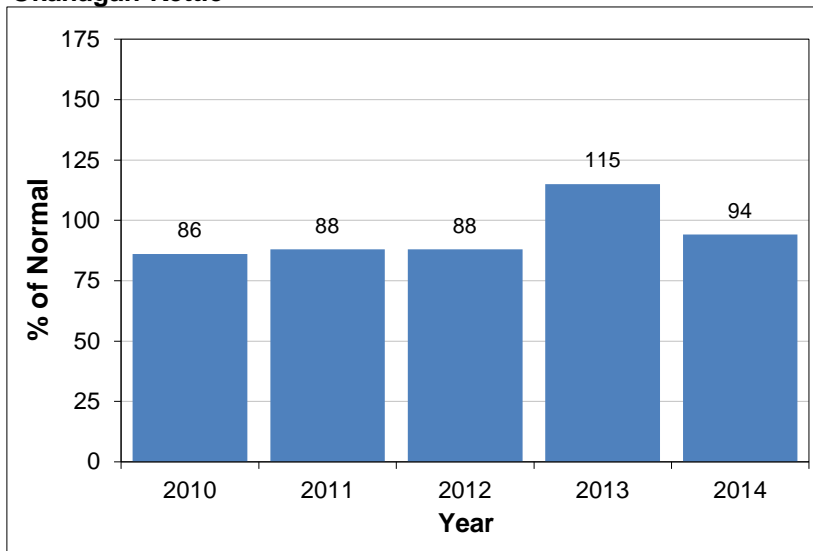
**East Kootenay**



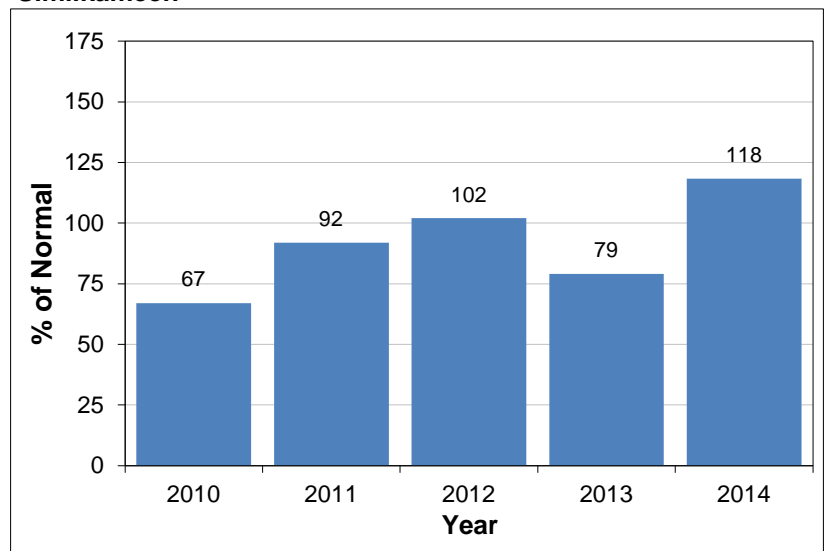
**West Kootenay**



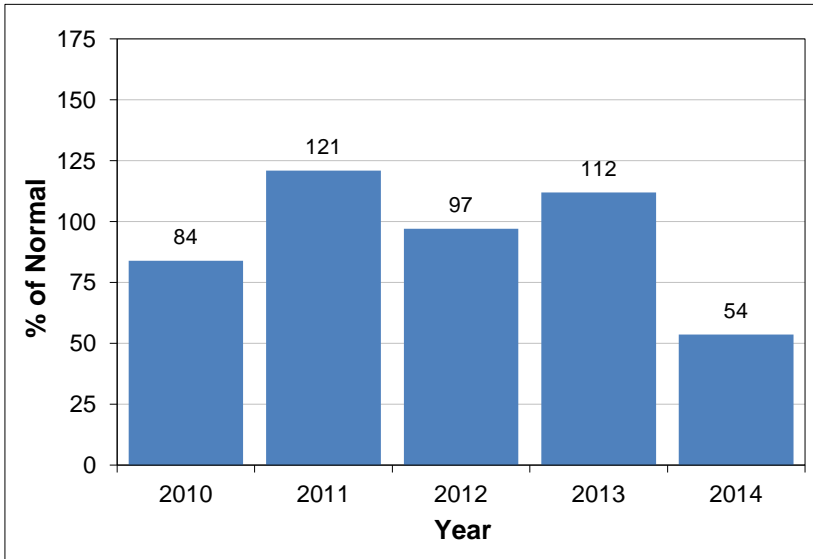
**Okanagan-Kettle**



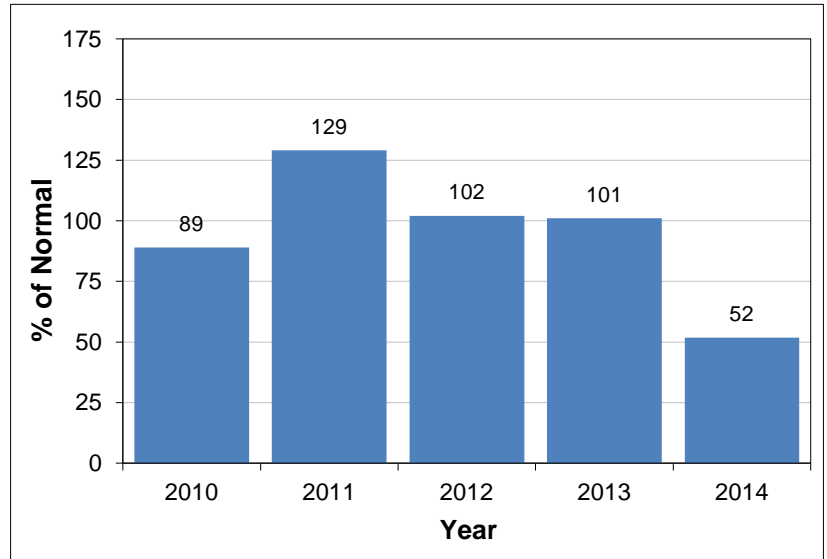
**Similkameen**



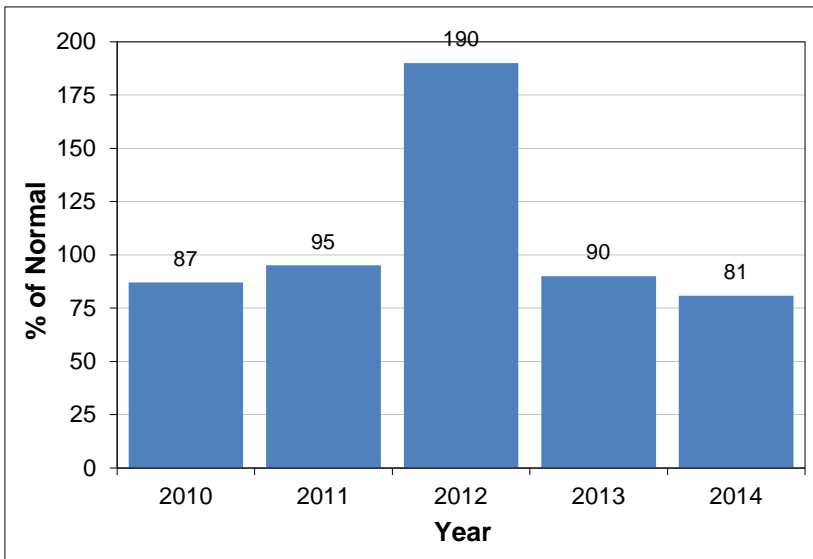
**South Coast**



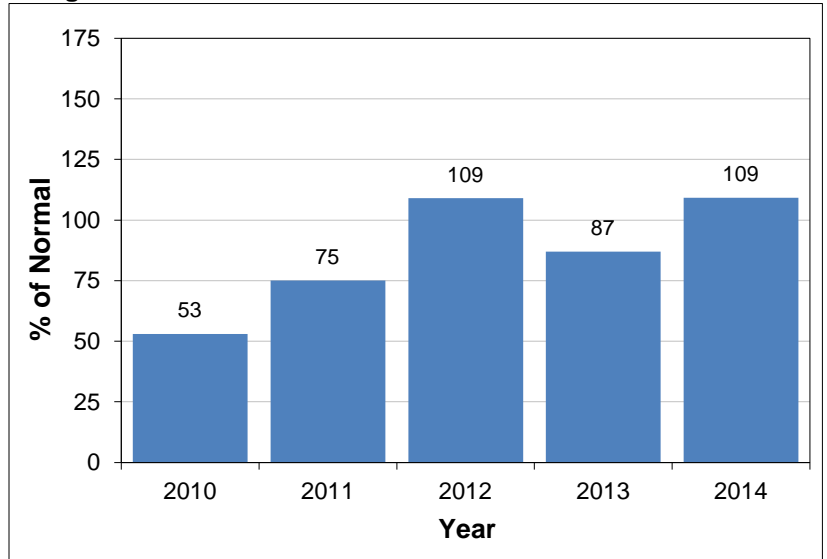
**Vancouver Island**



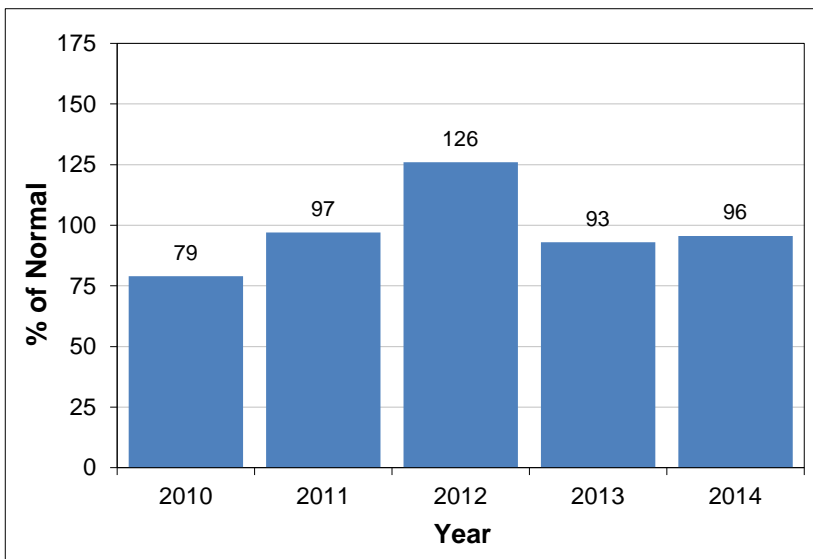
**Central Coast**



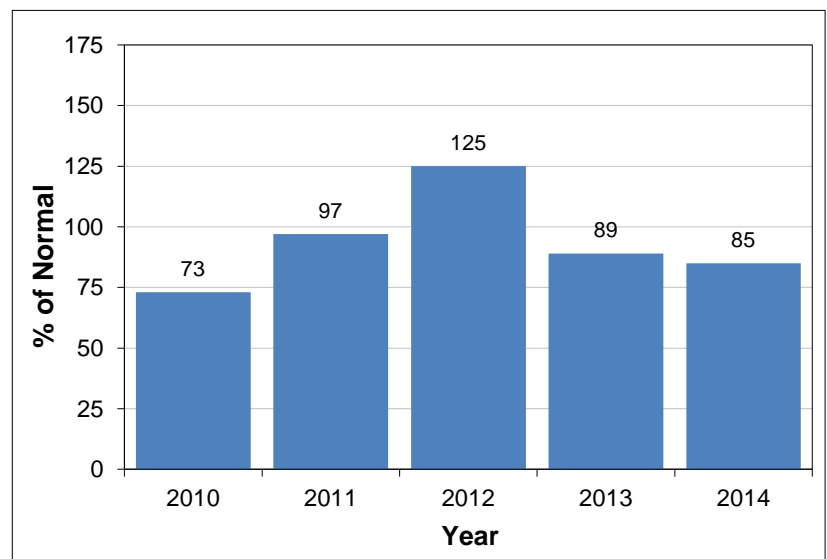
**Skagit**



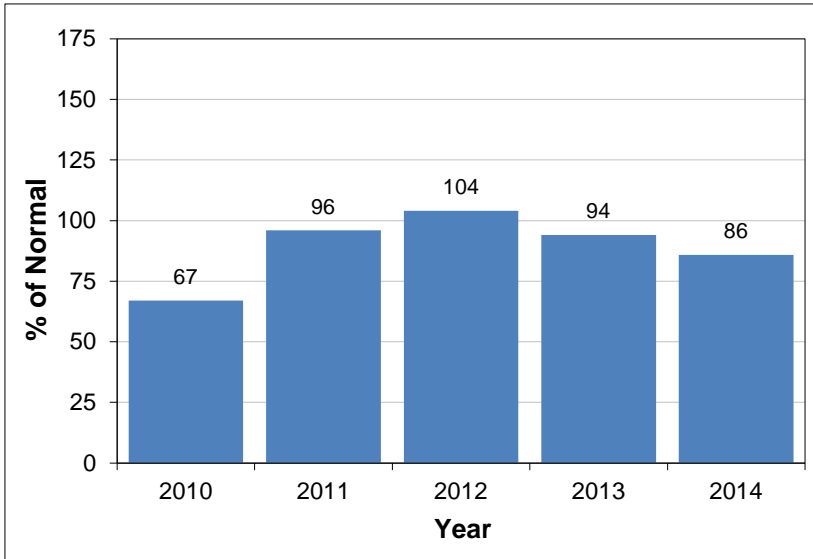
**Peace**



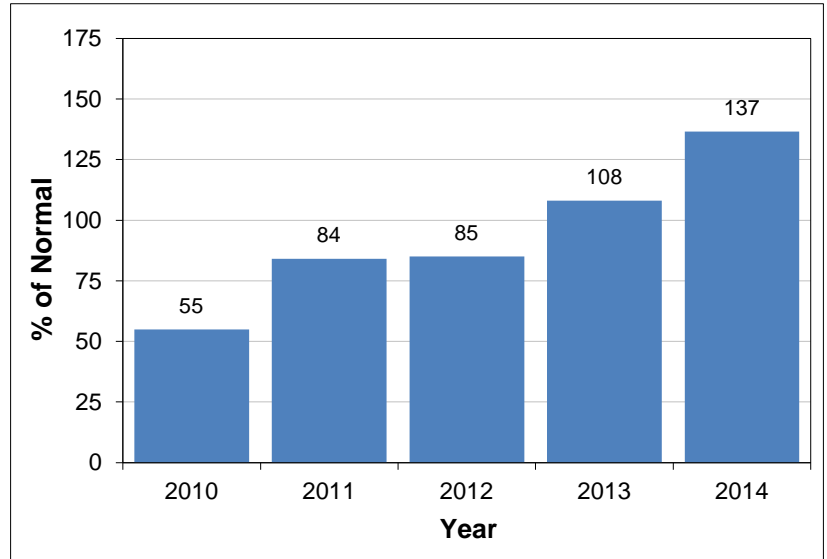
**Skeena-Nass**



**Stikine**



**Northeast-Liard**



**River Forecast Centre**  
**Ministry of Forests, Lands and Natural Resource Operations**  
**Volume Runoff Forecast March 2014**

Location	Mar - Jun Runoff				Mar - Jul Runoff				Mar - Sep Runoff				
	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	
Upper Fraser Basin	Fraser at McBride				4018	3786	106	331	5575	5252	106	390	
	McGregor at Lower Canyon				4977	4087	122	490	6115	5132	119	639	
	Fraser at Shelley				19291	16310	118	1494	23396	20369	115	1832	
Middle Fraser Basin	Quesnel River at Quesnel				4897	4747	103	510	6312	6078	104	670	
Thompson Basin	N. Thompson at McLure				8681	9190	94	536	10865	11359	96	826	
	Thompson at Spences Bridge				14455	15775	92	1174	18269	19755	92	1814	
Bulkley and Skeena	Bulkley at Quick				2092	2709	77	1361	2628	3306	79	1939	
	Skeena at Usk				17016	19187	89	1335	21314	23531	91	1809	
Nicola Lake	Inflows	106	126	84	31	120	143	84	35				
Nicola River	at Spences Bridge	373	523	71	82	411	591	69	103				
Similkameen River	at Nighthawk	1390	1342	104	158					1702	1652	103	184
	at Hedley	1265	1045	121	134					1493	1233	121	151
Okanagan and Kalamalka-Wood Lake	Okanagan Lake with Greyback (2F08)	438	470	93	89	458	497	92	110				
	Kalamalka-Wood Lake	29	31	94	12	30	33	93	15				

Note: 1 kdam<sup>3</sup>=1,000,000 m<sup>3</sup>

Note that missing values reflect that forecasts were not made for that time interval

Disclaimer: Seasonal forecasts were developed using a Principle Component Analysis of snow pack, climate and streamflow data.

There is inherent uncertainty in runoff forecasts including potential errors in data and the unpredictable nature of seasonal weather

Use at your own risk



2014 Automated Snow Pillow/Manual Snow Survey Data				March					Historic Snow Water Equivalent (mm)					
Station ID	Name	Basin	Elevation (masl)	Survey Date YYYY-MM-DD	SD (cm)	SWE (mm)	Code	SWE % 1981-2010 Normal	2013 SWE (mm)	2012 SWE (mm)	Minimum (mm)	Maximum (mm)	1981-2010 Normal (mm)	Years of Record
1A01P	YELLOWHEAD LAKE	Upper Fraser	1847	2014/03/01	117	403		91%	347	563	266	720	445	16
1A02P	MC BRIDE (UPPER)	Upper Fraser	1608	2014/03/01	144	430		116%	311	556	257	562	372	21
1A03P	BARKERVILLE	Upper Fraser	1483	2014/03/01	112	326		112%	287	353	150	479	292	38
1A05	LONGWORTH (UPPER)	Upper Fraser	1693	2014/02/27	302	1234		183%	804	954	307	1104	676	54
1A06A	HANSARD	Upper Fraser	622	2014/03/04	99	255		150%	357	167	44	396	170	41
1A10	PRINCE GEORGE A	Upper Fraser	684	2014/02/28	68	161		138%	140	131	0	296	117	52
1A11	PACIFIC LAKE	Upper Fraser	756	2014/02/27	253	851		156%	732	866	277	866	546	51
1A12	KAZA LAKE	Upper Fraser	1247	2014/02/26	99	303		103%	308	354	186	478	295	47
1A14P	HEDRICK LAKE	Upper Fraser	1118	2014/03/01	263	1011	E	155%	971	1058	386	1066	654	13
1A15	KNUDSEN LAKE	Upper Fraser	1598	2014/02/27	243	925		134%	735	1024	404	1098	692	43
1A16	BURNS LAKE	Upper Fraser	820	2014/02/26	57	120		92%	110	152	60	250	130	42
1A17P	REVOLUTION CREEK	Upper Fraser	1676	2014/03/01	259	966		143%	804	1135	336	1133	674	28
1A19P	DOMMOUNTAIN	Upper Fraser	1768	2014/03/01	221	768		126%	643	908	450	912	611	7
1A23	BIRD CREEK	Upper Fraser	1196	2014/03/01	60	128		98%	160	156	72	232	131	24
1B01	MOUNT WELLS	Nechako	1489	2014/03/01	113	351		78%	354	637	244	954	452	61
1B01P	MOUNT WELLS	Nechako	1489	2014/03/01	N/A	438		93%	341	712	244	739	470	21
1B02	TAHTSA LAKE	Nechako	1319	2014/03/01	209	675		65%	875	1777	571	1777	1034	62
1B02P	TAHTSA LAKE	Nechako	1319	2014/03/01	N/A	738		67%	776	1624	661	1725	1108	21
1B05	SKINS LAKE	Nechako	877	2014/03/01	33	68		66%	92	90	54	226	103	49
1B06	MOUNT SWANNELL	Nechako	1596	2014/03/01	81	177		70%	231	254	132	446	252	25
1B07	NUTLI LAKE	Nechako	1502	2014/03/01	103	278		60%	317	779	229	779	460	23
1B08P	MOUNT PONDOSY	Nechako	1413	2014/03/01	N/A	351		51%	442	986	363	995	686	21
1C01	BROOKMERE	Middle Fraser	994	2014/02/28	63	138		83%	172	190	53	351	167	69
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2014/02/26	122	305		62%	NS	555	222	1016	492	60
1C06	PAVILION	Middle Fraser	1209	NS					66	50	0	168	58	56
1C08	NAZKO	Middle Fraser	1029	2014/02/27	41	99		155%	75	62	0	142	64	36
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS					108	96	25	229	77	48
1C12P	GREEN MOUNTAIN	Middle Fraser	1766	2014/03/01	N/A	387		52%	527	796	445	1265	751	19
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	2014/02/28	165	566		132%	534	408	238	624	428	40
1C14	BRALORNE	Middle Fraser	1382	2014/02/26	53	116		78%	158	98	0	363	149	50
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2013/12/29	92	#N/A			285	329	141	468	266	51
1C18P	MISSION RIDGE	Middle Fraser	1903	2014/03/01	N/A	391		82%	383	563	160	866	475	43
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS					122	122	15	259	96	46
1C20P	BOSS MOUNTAIN MINE	Middle Fraser	1477	2014/03/01	153	440		90%	475	460	308	739	487	19
1C21	BIG CREEK	Middle Fraser	1130	2014/02/26	34	80		167%	54	22	0	112	48	42
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	2014/02/28	29	65		118%	60	44	0	128	55	43
1C23	PENFOLD CREEK	Middle Fraser	1687	2014/03/05	228	783		97%	NS	978	453	1132	807	37
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	2014/02/28	47	100		83%	147	104	13	213	120	41
1C28	DUFFEY LAKE	Middle Fraser	1253	2014/02/28	132	388		91%	390	534	194	762	428	35
1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456	2014/02/28	96	235		109%	197	267	100	398	216	32
1C32	DEADMAN RIVER	Middle Fraser	1463	2014/03/01	68	146		146%	150	145	44	220	100	30
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	2014/02/27	58	192		111%	181	183	132	211	173	8
1C37	BRALORNE(UPPER)	Middle Fraser	1980	NS					NS	NS	268	944	543	17
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	NS					NS	804	302	1250	737	18
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2014/02/26	109	276		54%	430	522	146	954	508	19
1C40	TYAUGHTON CREEK (NORTH)	Middle Fraser	1946	2014/02/26	91	260		65%	138	410	138	916	399	19

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1C41P	YANKS PEAK, EAST	Middle Fraser	1683	2014/03/01	240	889		136%	728	781	406	904	655	16
1C42	CAVERHILL LAKE NEW	Middle Fraser	N/A	2014/03/01	82	230			60	218	60	270	N/A	9
1D06P	TENQUILLE LAKE	Lower Fraser	1669	2014/03/01	221	531		66%	727	951	518	1227	810	12
1D08	STAVE LAKE	Lower Fraser	1211	2014/02/25	263	823		70%	NS	1250	304	2500	1178	45
1D09	WAHLEACH LAKE	Lower Fraser	1395	2014/03/01	120	347		74%	652	570	86	1072	468	45
1D09P	WAHLEACH LAKE	Lower Fraser	1408	2014/03/01	N/A	574		68%	812	768	451	1320	846	21
1D10	NAHATLATCH RIVER	Lower Fraser	1530	NS					NS	NS	400	2380	1092	43
1D16	DICKSON LAKE	Lower Fraser	1147	NS					1810	1348	322	1814	1186	19
1D17P	CHILLIWACK RIVER	Lower Fraser	1621	2014/03/01	383	1477		122%	1422	1775	506	2353	1208	21
1D18P	DISAPPOINTMENT LAKE	Lower Fraser	932	2014/03/01	N/A	744	E	62%	1477	1367	259	1996	1192	13
1D19P	SPUZZUM CREEK	Lower Fraser	1197	2014/03/01	310	1089		83%	1583	1579	341	2615	1312	14
1E01B	BLUE RIVER	North Thompson	673	2014/03/01	128	378		135%	252	232	179	411	280	30
1E02P	MOUNT COOK	North Thompson	1574	2014/03/01	270	937		91%	1012	1164	821	1319	1028	13
1E03A	TROPHY MOUNTAIN	North Thompson	1907	2014/02/23	156	488		108%	432	537	216	778	452	39
1E05	KNOUFF LAKE	North Thompson	1189	2014/02/27	50	144		116%	150	125	36	284	124	55
1E07	ADAMS RIVER	North Thompson	1769	2014/02/23	165	525		94%	570	635	262	892	560	42
1E08P	AZURE RIVER	North Thompson	1625	2014/03/01	211	738		79%	999	1092	548	1339	934	16
1E10P	KOSTAL LAKE	North Thompson	1760	2014/03/01	226	708		99%	710	791	477	1023	712	28
1F01A	ABERDEEN LAKE	South Thompson	1262	2014/02/26	71	163		123%	140	144	51	231	133	57
1F02	ANGLEMONT	South Thompson	1168	2014/02/23	120	410		127%	304	314	160	635	323	56
1F03P	PARK MOUNTAIN	South Thompson	1857	2014/03/01	207	716		100%	756	630	383	1021	714	28
1F04	ENDERBY	South Thompson	1948	2014/02/28	237	812		97%	1030	NS	440	1200	840	47
1F06P	CELISTA MOUNTAIN	South Thompson	1533	2014/03/01	200	633		86%	782	752	596	923	739	8
2A01A	CANOE RIVER	Upper Columbia	866	2014/02/27	64	144		162%	132	126	19	251	89	72
2A02	GLACIER	Upper Columbia	1249	2014/02/23	196	620		106%	542	824	251	952	585	74
2A03A	FIELD	Upper Columbia	1310	2014/02/28	70	172		117%	82	128	53	248	147	73
2A06P	MOUNT REVELSTOKE	Upper Columbia	1770	2014/03/01	N/A	880		89%	985	1083	537	1487	992	20
2A07	KICKING HORSE	Upper Columbia	1648	2014/02/28	184	308		110%	241	245	140	462	279	67
2A11	BEAVERFOOT	Upper Columbia	1924	2014/02/24	74	166		99%	156	206	80	333	167	51
2A14	MOUNT ABBOT	Upper Columbia	2031	2014/02/22	295	939		94%	960	1294	508	1448	1000	52
2A16	GOLDSTREAM	Upper Columbia	1914	2014/02/23	282	907		95%	1006	1228	553	1351	954	49
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2014/02/22	307	948		91%	963	1369	534	1703	1043	51
2A18	KEYSTONE CREEK	Upper Columbia	1839	2014/02/23	185	522		78%	720	862	357	1277	671	44
2A19	VERMONT CREEK	Upper Columbia	1533	2014/02/24	118	326		92%	360	427	152	643	356	47
2A21P	MOLSON CREEK	Upper Columbia	1930	2014/03/01	N/A	766		86%	851	1125	437	1215	887	32
2A22	SUNBEAM LAKE	Upper Columbia	2066	NS					814	NS	389	1117	751	43
2A23	BUSH RIVER	Upper Columbia	1982	NS					NS	NS	281	1078	682	42
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2014/02/23	263	801		81%	1138	1049	526	1476	990	41
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2014/02/23	220	626		101%	620	NS	378	1018	618	31
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2014/02/23	288	930		81%	1240	1278	614	2120	1146	34
2B02A	FARRON	Lower Columbia	1229	2014/02/27	91	231		84%	253	197	79	450	276	39
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	2014/02/25	171	529		93%	516	515	285	918	570	51
2B06	BARNES CREEK	Lower Columbia	1598	2014/02/25	145	426		100%	416	402	251	634	428	51
2B06P	BARNES CREEK	Lower Columbia	1595	2014/03/01	N/A	439		100%	439	431	229	690	437	20
2B07	KOCH CREEK	Lower Columbia	1813	2014/02/25	144	412		69%	714	529	269	996	601	48
2B08	ST. LEON CREEK	Lower Columbia	1828	2014/02/25	296	996		97%	1036	1044	500	1621	1031	43
2B08P	ST. LEON CREEK	Lower Columbia	1822	2014/03/01	N/A	822		91%	864	878	416	1392	900	20
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2014/03/05	161	377		63%	745	480	147	1136	601	37

2014 Automated Snow Pillow/Manual Snow Survey Data				March				Historic Snow Water Equivalent (mm)						
Station ID	Name	Basin	Elevation (masl)	Survey Date YYYY-MM-DD	SD (cm)	SWE (mm)	Code	SWE % 1981-2010 Normal	2013 SWE (mm)	2012 SWE (mm)	Minimum (mm)	Maximum (mm)	1981-2010 Normal (mm)	Years of Record
2C01	SINCLAIR PASS	East Kootenay	1374	2014/03/03	52	112		109%	60	138	44	262	103	65
2C04	SULLIVAN MINE	East Kootenay	1580	2014/02/24	112	264		112%	214	264	53	465	235	67
2C07	FERNIE EAST	East Kootenay	1213	2014/02/28	103	270		100%	225	278	61	584	270	63
2C09Q	MORRISSEY RIDGE	East Kootenay	1966	2014/03/01	N/A	535		94%	488	514	233	1074	571	33
2C10P	MOYIE MOUNTAIN	East Kootenay	1840	2014/03/01	107	392		118%	299	418	149	653	333	34
2C11	KIMBERLEY (UPPER) VOR	East Kootenay	2148	NS					NS	NS	152	696	337	42
2C12	KIMBERLEY (MIDDLE) VOR	East Kootenay	1692	NS					NS	NS	97	386	207	41
2C14	FLOE LAKE	East Kootenay	2087	2014/02/24	190	532		85%	654	694	279	993	623	43
2C14P	FLOE LAKE	East Kootenay	2110	2014/03/01	N/A	518		89%	589	683	257	889	581	20
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	NS					NS	NS	185	680	421	41
2C16	MOUNT JOFFRE	East Kootenay	1763	2014/02/24	117	292		100%	363	302	122	551	291	41
2C17	THUNDER CREEK	East Kootenay	2062	NS					274	272	91	378	214	42
2C20	VERMILLION RIVER NO. 3	East Kootenay	1612	NS					NS	NS	142	493	243	17
2D02	FERGUSON	West Kootenay	929	2014/02/26	179	526		105%	470	NS	283	796	502	58
2D03	SANDON	West Kootenay	1072	2014/03/02	110	300		94%	265	NS	196	475	319	34
2D04	NELSON	West Kootenay	952	2014/03/03	111	263		80%	194	288	140	558	328	74
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	2014/02/26	139	423		112%	368	406	201	663	378	62
2D06	CHAR CREEK	West Kootenay	1290	2014/03/01	142	345		77%	425	477	231	754	447	46
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	2014/02/28	59	175		122%	52	172	52	322	144	22
2D08P	EAST CREEK	West Kootenay	2004	2014/03/01	N/A	581		79%	768	750	312	1167	732	32
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	NS					NS	NS	490	1534	859	38
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	2014/02/26	194	604		100%	659	667	343	955	607	42
2D14P	REDFISH CREEK	West Kootenay	2086	2014/03/01	264	899		94%	1067	1241	772	1256	954	11
2E01	MONASHEE PASS	Kettle	1387	2014/02/25	112	330		117%	285	283	149	442	282	54
2E02	CARMI	Kettle	1254	2014/02/26	51	91		70%	132	121	56	274	130	51
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2014/02/27	128	364		91%	428	355	213	676	402	48
2E06	BLUEJOINT MOUNTAIN	Kettle	1990	2014/02/25	148	433		65%	716	448	448	773	667	7
2E07P	GRANO CREEK	Kettle	1874	2014/03/01	118	198		48%	387	363	206	679	411	15
2F01	TROUT CREEK	Okanagan	1428	2014/02/27	88	210		135%	197	228	55	335	156	74
2F01A	TROUT CREEK (WEST)	Okanagan	1430	NS					169	229	169	229	196	4
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2014/02/26	95	230		121%	181	234	97	381	190	53
2F03	MC CULLOCH	Okanagan	1266	2014/02/28	74	157		108%	179	NS	71	249	146	73
2F04	GRAYSTOKE LAKE	Okanagan	1818	2014/03/05	118	356		125%	290	288	128	605	285	30
2F05P	MISSION CREEK	Okanagan	1794	2014/03/01	131	453		116%	458	395	208	608	392	43
2F07	POSTILL LAKE	Okanagan	1358	2014/02/27	69	172		99%	169	186	98	274	173	64
2F08	GRAYBACK RESERVOIR	Okanagan	1548	2014/02/26	86	217		115%	218	214	91	312	188	46
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2014/02/25	120	340		76%	487	427	180	809	450	57
2F10	SILVER STAR MOUNTAIN	Okanagan	1834	2014/03/01	161	577		95%	749	588	347	912	610	55
2F11	ISINTOK LAKE	Okanagan	1651	2014/02/27	76	133		101%	151	171	53	358	132	49
2F12	MOUNT KOBAN	Okanagan	1817	2014/02/28	78	169		67%	447	164	61	488	253	48
2F13	ESPERON CR (UPPER)	Okanagan	1634	2014/02/25	95	266		81%	354	284	157	635	330	45
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	NS					NS	NS	132	513	287	24
2F18	BRENDA MINE	Okanagan	1453	2014/02/27	89	227		90%	200	227	130	495	252	45
2F18P	BRENDA MINE	Okanagan	1453	2014/03/01	N/A	243		77%	258	296	184	431	315	20
2F19	OYAMA LAKE	Okanagan	1365	2014/02/28	67	124		86%	110	118	73	241	144	44
2F20	VASEUX CREEK	Okanagan	1403	2014/02/23	73	144		127%	114	106	52	284	113	42
2F21	BOULEAU LAKE	Okanagan	1405	2014/02/23	83	184		69%	276	220	165	432	267	42
2F23	MACDONALD LAKE	Okanagan	1742	2014/02/27	109	278		76%	323	314	170	583	368	37

2014 Automated Snow Pillow/Manual Snow Survey Data				March					Historic Snow Water Equivalent (mm)					
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2F24	ISLAHT LAKE	Okanagan	1492	2014/02/27	89	178		62%	286	234	161	497	285	32
2F25	POSTILL LAKE (UPPER)	Okanagan	1500	2014/02/27	73	198			217	213	131	217	N/A	4
2G03P	BLACKWALL PEAK	Similkameen	1934	2014/03/01	245	747		112%	593	861	228	1323	665	45
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	2014/02/28	102	251		141%	218	187	92	508	178	51
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	2014/02/28	100	249		137%	142	210	76	363	182	50
2G06	HAMILTON HILL	Similkameen	1477	2014/02/27	114	269		101%	211	325	102	676	267	49
3A01	GROUSE MOUNTAIN	South Coast	1126	2014/02/25	185	560		58%	1640	1152	143	2320	966	63
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS					NS	NS	868	868	868	1
3A05	POWELL RIVER (LOWER)	South Coast	882	NS					NS	NS	588	588	588	1
3A09	PALISADE LAKE	South Coast	898	2014/02/26	202	630		57%	1455	1120	95	3150	1106	50
3A10	DOG MOUNTAIN	South Coast	1007	2014/02/26	177	560		59%	1440	937	256	2146	952	30
3A19	ORCHID LAKE	South Coast	1178	2014/02/26	292	730		50%	1770	1335	444	2960	1467	38
3A20	CALLAGHAN CREEK	South Coast	1009	2014/02/28	165	474		68%	734	840	200	1260	702	34
3A22P	NOSTETUKO RIVER	South Coast	1457	2014/03/01	40	263		57%	354	582	165	876	462	24
3A24P	UPPER MOSLEY CREEK	South Coast	1655	2014/03/01	60	175		66%	127	288	98	555	266	24
3A25P	SQUAMISH RIVER (UPPER)	South Coast	1387	2014/03/01	242	786		60%	1353	1392	574	2301	1303	23
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2014/02/27	229	632		53%	1417	1367	101	2730	1203	58
3B02A	MT. COKELY	Vancouver Island	1267	NS					NS	682	34	1034	662	30
3B04	ELK RIVER	Vancouver Island	270	2014/02/27	32	92		159%	0	55	0	546	58	53
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	2014/02/27	220	67		6%	1588	1428	126	2440	1128	53
3B13	HEATHER MOUNTAIN	Vancouver Island	1170	NS					NS	NS	0	1803	530	26
3B17P	WOLF RIVER	Vancouver Island	1422	2014/03/01	N/A	555		51%	1070	1149	195	2085	1085	31
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2014/02/27	113	252		50%	696	442	20	1344	509	43
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	2014/02/27	92	220		73%	438	346	0	1064	301	43
3B23P	JUMP CREEK	Vancouver Island	1134	2014/03/01	183	598		70%	1243	861	64	2228	849	17
3B24	HEATHER MOUNTAIN UPPER	Vancouver Island	N/A	NS					NS	NS	N/A	N/A	N/A	0
3C07	WEDEENE RIVER SOUTH	North Coast	196	2014/02/27	107	291		70%	417	945	45	945	418	27
3C08P	BURNT BRIDGE CREEK	North Coast	1329	2014/03/01	189	635		92%	583	1231	282	1245	691	15
3D01C	SUMALLO RIVER WEST	Skagit	801	2014/02/28	107	265		122%	246	306	7	442	218	21
3D02	LIGHTNING LAKE	Skagit	1254	2014/03/01	100	244		98%	244	357	36	497	250	40
3D03A	KLESILKWA	Skagit	1134	2014/02/28	100	247		108%	268	263	0	759	228	58
4A02	PINE PASS	Peace	1439	2014/02/26	285	1051		100%	968	1622	480	1622	1051	50
4A02P	PINE PASS	Peace	1386	2014/03/01	N/A	917		104%	878	1336	600	1485	880	24
4A03	WARE (UPPER)	Peace	1563	2014/02/25	70	196		89%	247	203	114	360	220	52
4A04	WARE (LOWER)	Peace	969	2014/02/25	72	199		119%	171	167	97	246	167	47
4A05	GERMANSEN (UPPER)	Peace	1489	2014/02/26	92	265		90%	274	378	174	520	293	52
4A06	TUTIZZI LAKE	Peace	1043	2014/02/26	86	234		102%	229	298	140	386	230	49
4A07	LADY LAURIER LAKE	Peace		2014/02/24	127	369		82%	379	609	255	662	452	47
4A09	PULPIT LAKE	Peace	1331	2014/02/25	116	366		98%	426	427	233	531	372	49
4A09P	PULPIT LAKE	Peace	1331	2014/03/01	N/A	332		87%	388	417	271	471	381	23
4A10	FREDRICKSON LAKE	Peace	1323	2014/02/26	91	249		117%	189	215	129	315	213	48
4A11	TRYGVE LAKE	Peace	1409	2014/02/25	92	266		83%	312	392	211	453	319	48
4A12	TSAYDAYCHI LAKE	Peace	1173	2014/02/26	109	308		91%	322	504	166	540	340	49
4A13	PHILIP LAKE	Peace	1013	2014/02/26	90	221		91%	244	312	138	400	242	49
4A16	MORFEE MOUNTAIN	Peace	1427	2014/02/26	223	836		115%	696	911	312	1166	725	46
4A18	MOUNT SHEBA	Peace	1480	2014/02/27	252	892		125%	NS	998	394	1123	712	42
4A20	MONKMAN CREEK	Peace	1566	2014/02/27	165	567		120%	539	658	211	925	472	30
4A21	MOUNT STEARNS	Peace	1514	2014/02/24	51	115		93%	136	95	56	227	124	39

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4A25	FORT ST. JOHN AIRPORT	Peace	692	2014/03/04	66	133		134%	129	69	38	191	99	39
4A27P	KWADACHA RIVER	Peace	1695	2014/03/01	N/A	274	E	98%	263	259	203	405	279	16
4A30P	AIKEN LAKE	Peace	1061	2014/03/01	N/A	220		95%	180	285	150	363	232	28
4B01	KIDPRICE LAKE	Skeena	1415	2014/03/01	153	534		65%	636	1320	429	1320	817	62
4B02	JOHANSON LAKE	Skeena	1480	2014/02/26	88	250		99%	237	294	148	368	253	49
4B03A	HUDSON BAY MTN	Skeena	1452	2014/02/27	122	393		89%	356	616	287	719	443	42
4B04	CHAPMAN LAKE	Skeena	1485	2014/02/25	109	339		83%	364	575	266	691	407	47
4B06	TACHEK CREEK	Skeena	1133	NS					184	272	117	332	195	46
4B07	MCKENDRICK CREEK	Skeena	1048	2014/02/25	95	270		110%	226	340	155	391	246	43
4B08	MOUNT CRONIN	Skeena	1491	2014/02/25	114	356		71%	454	627	345	869	498	43
4B10	NINGUNSAW PASS	Nass	647	2014/02/28	108	336		85%	330	375	224	629	397	39
4B11A	BEAR PASS	Nass	437	2014/02/28	171	619		108%	510	87	87	824	574	28
4B12P	GRANDUC MINE	Skeena	790	2014/03/01	N/A	842		54%	1007	1636	999	1958	1559	10
4B13A	TERRACE AIRPORT	Skeena	219	2014/02/27	27	56		40%	0	335	0	407	141	31
4B14	EQUITY MINE	Skeena	1434	2014/02/27	101	278		83%	274	470	190	546	333	36
4B15	LU LAKE	Skeena	1296	2014/02/27	86	206		81%	210	358	122	412	254	35
4B15P	LU LAKE	Skeena	1308	2014/03/01	86	247		112%	218	355	116	405	221	15
4B16P	SHEDIN CREEK	Skeena	1320	2014/03/01	175	505		70%	619	957	507	957	723	17
4B17P	TSAI CREEK	Skeena	1369	2014/03/01	173	587		61%	810	1601	701	1618	969	15
4B18P	CEDAR - KITEEN	Skeena	912	2014/03/01	165	666		114%	477	936	280	956	582	12
4C01	SIKANNI LAKE	Liard	1390	2014/02/25	98	270		113%	215	240	107	335	238	48
4C02	SUMMIT LAKE	Liard	1291	2014/03/05	49	117		105%	166	78	0	190	111	43
4C03	DEASE LAKE	Liard	805	2014/02/28	78	198		160%	153	81	45	229	124	48
4C05	FORT NELSON A	Liard	368	2014/03/04	47	102		111%	135	50	40	177	92	47
4C15	JADE CITY	Liard	943	2014/02/25	86	270		131%	224	186	128	310	206	12
4D01	TELEGRAPH CREEK	Stikine	490	NS					116	NS	53	345	144	38
4D02	ISKUT	Stikine	931	2014/02/28	41	80		76%	86	108	33	176	105	39
4E02B	ATLIN LAKE	Yukon		NS					106	NS	70	166		9

Code	Description
A	Sampling problems were encountered
ASP	Automated Snow Pillow
B	Early or late sample
C	Combination of A and B
E	Estimate
MSS	Manual Snow Survey
N/A	Not Available
N	Scheduled, but not measured
NS	Not Sampled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount