



Snow Survey and Water Supply Bulletin – January 1st, 2016

The January 1st snow survey is now complete. Data from 84 snow courses and 60 snow pillows around the province and climate data from Environment Canada have been used to form the basis for the following report¹.

Weather

Fall weather was variable across the province. A number of Pacific storm systems impacted coastal BC over the September through early December period, generally bringing warm temperatures and heavy precipitation. The 2015 active storm season was in strong contrast to the decreased storm frequency and relatively dry fall-winter periods that were experienced in 2013 and 2014.

Following storms in early December, the rest of the month was fairly stable, with modest precipitation. A high pressure ridge developed over BC towards the end of December, bringing dry weather into the New Year.

Overall, temperature trends through the October to December period were mixed across the province. October was generally warmer than normal across the province, except in the north-east. November was generally cooler than normal, with much cooler temperatures in the central interior. December transitioned back into warmer than normal throughout the province.

Precipitation patterns have also varied through the fall and into the winter. September was a wet month throughout most of the province. October and November were drier than normal through the north and south-west, with wetter than normal conditions in the south-east. December was wetter than normal in the south half of the province, and drier than normal in the north.

Snowpack

Snow basin indices range from a low of 53 % in the Stikine to a high of 143 % in the Similkameen (Table 1). In general, most of the province has near normal snow pack levels (90-110 %) for January 1st, 2016. A strong south to north gradient of snow pack levels exists, with normal or above normal snow pack in southern BC, lower than normal snow packs beginning in central BC, and extending to well below normal conditions in the north (Figure 1). Snow packs are below normal (70-80%) in the Upper Fraser West, Upper Fraser East, and Nechako basins, and well below normal (<70%) in the Peace, Skeena-Nass, Stikine, and Liard basins. Many individual survey locations in northern BC are observing very low snow water equivalent measurements. Above normal snow pack (>110%) is present in the Okanagan, Similkameen, and Boundary.

January's snow survey schedule features fewer individual snow survey measurements than occur in later survey periods in the year, therefore some January 1st snow basin indices are based on a very limited number of surveys (e.g. 1-2 surveys within the snow basin) (Table 1) making the data interpretation less robust than in survey periods later in the season.

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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Table 1 - BC Snow Basin Indices – January 1, 2016

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	77	Boundary	112
Upper Fraser East	77	Similkameen	143*
Nechako	79	South Coast	110
Middle Fraser	92	Vancouver Island	91
Lower Fraser	108	Central Coast	89
North Thompson	97	Skagit	109*
South Thompson	100	Peace	68
Upper Columbia	106	Skeena-Nass	65
West Kootenay	109	Stikine	53*
East Kootenay	105	Liard	54*
Okanagan	125	Northwest	NO DATA

*Note January 1st snow basin index values are based on limited observation points

Outlook

Fall and early-winter has seen the dissipation of warm water in the northern Pacific Ocean (i.e. the “Blob”) which has been present over the past two winter seasons, and was likely the key driver in the very warm winters and extremely low snow packs that occurred in southern BC in 2014-15. Strong El Niño conditions have developed over the equatorial Pacific regions over the past few months. The Climate Prediction Centre (CPC) at the U.S. National Weather Service/NOAA is forecasting a high likelihood of El Niño conditions persisting through until late-spring or early summer 2016.

In general, BC experiences warmer than normal winter and early-spring temperatures during strong El Niño events. Precipitation during historic El Niño events has been highly variable, with no strong trends across BC. Snow packs during El Niño events tend to be below normal across BC, however there has been significant historic variability and regional variation to this general trend. The last similarly strong El Niño event occurred over the winter of 1997-1998, and resulted in seasonal snow packs that were modestly below normal (e.g. provincial average of 94% of normal). Extreme low snow packs, such as those observed in southern BC in 2014-15, are not commonly associated with El Niño events. The effects of El Niño tend to be more pronounced during the mid- to late-winter and into spring.

Seasonal forecasts from Environment Canada are indicating a high likelihood of above-normal temperatures across British Columbia over the January to March period. Seasonal forecasts from NOAA are suggesting a more southern path for the Pacific jet stream through the January-March period, with increased precipitation for California, and decreased precipitation for British Columbia and the Pacific Northwest. Seasonal forecasts from Environment Canada do not indicate the likelihood of any strong seasonal precipitation



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anomalies, with the exception of a moderate likelihood of drier conditions in north-east BC. Seasonal precipitation forecasts tend to have much lower forecast skill than seasonal temperature forecasts, and therefore should be used with caution.

By early January, nearly half of the annual BC snowpack has typically accumulated. At this early stage in the season, there is limited indication that any regions of the province are developing increased seasonal flood risk. One exception is the high snow pack observed in the Similkameen basin, however this is based on limited survey observations for January 1st within the basin and therefore should be interpreted with caution. Currently observed low snow pack in some regions of the province, particularly the northern third of the province, is an early indication of the potential for lower than normal stream flow in the spring and summer this year. However, with three or more months left of snow accumulation, these outlooks could change significantly.

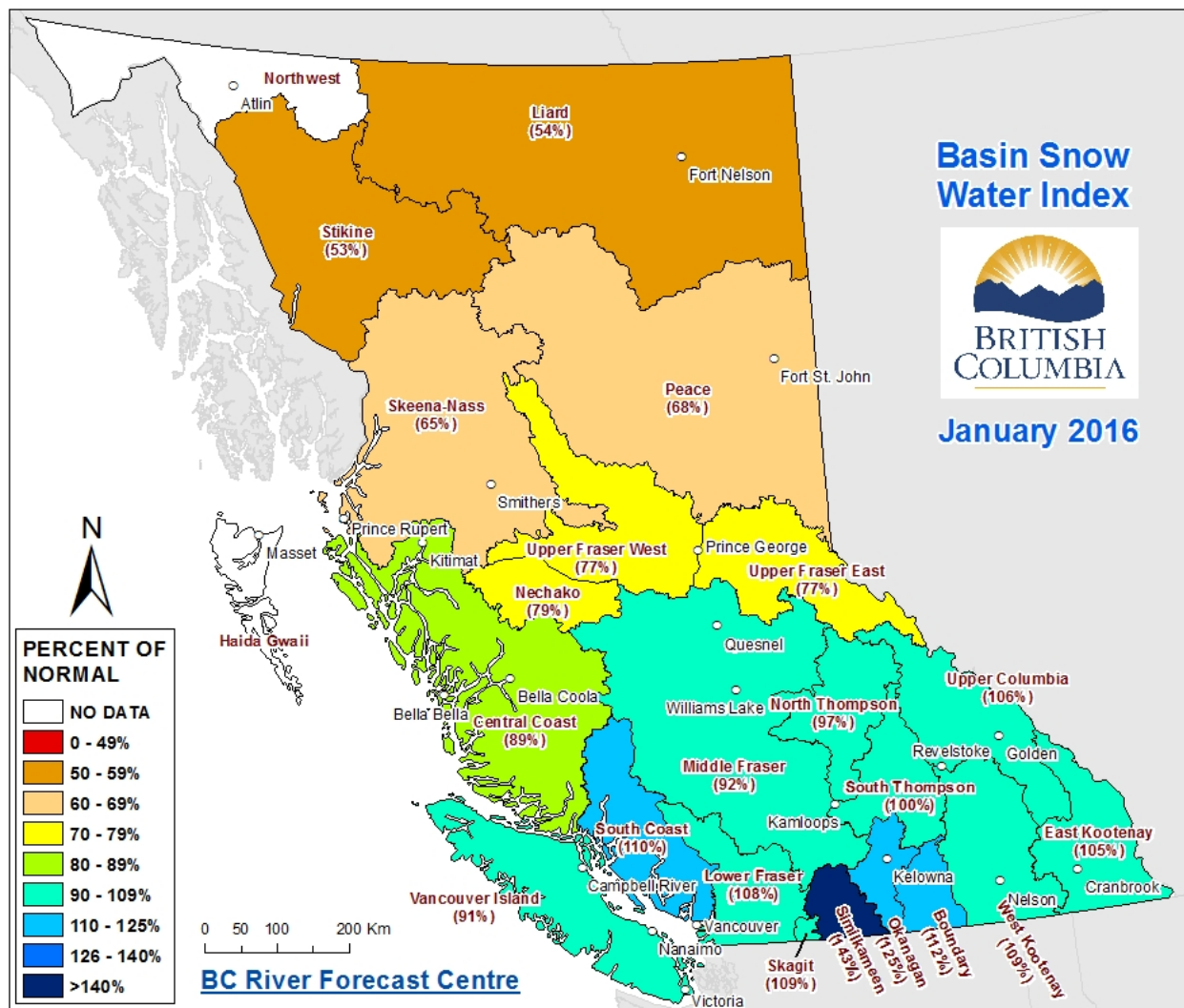
The River Forecast Centre will continue to monitor snow pack conditions and will provide an updated seasonal flood risk forecast in the February 1st 2016 bulletin, which is scheduled for release on February 9th.

BC River Forecast Centre
January 7, 2016



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Figure 1: Basin Snow Water Index – January 1st, 2016



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2016 Automated Snow Pillow/Manual Snow Survey Data				January					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	2015 SWE (mm)	2014 SWE (mm)	Minimum (mm)	Maximum (mm)	1981-2010 Normal (mm)	Years of Record
1A01P	YELLOWHEAD LAKE	Upper Fraser East	1860	2016-01-01	84	254		86%	247	251	184	428	296	19
1A02P	MC BRIDE UPPER	Upper Fraser East	1580	2016-01-01	83	198		100%	245	264	121	387	198	24
1A03P	BARKERVILLE	Upper Fraser East	1520	2016-01-01	56	123		80%	164	197	21	312	154	41
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	2016-01-02	92	296		72%	422		114	422	411	21
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS						0	0
1A10	PRINCE GEORGE A	Upper Fraser East	684	2016-01-06	40	81		137%			0	156	59	47
1A11	PACIFIC LAKE	Upper Fraser East	756	2016-01-02	66	165	A	54%	144	577	56	577	303	28
1A12	KAZA LAKE	Upper Fraser West	1247	2016-01-03	61	132		73%	116	232	92	371	182	33
1A12P	KAZA LAKE	Upper Fraser East	1248	2016-01-01	1	136								0
1A14P	HEDRICK LAKE	Upper Fraser East	1100	2016-01-01	99	214		61%	214	718	143	641	348	16
1A15	KNUDSEN LAKE	Upper Fraser East	1598	N	N	N	N		264	664	125	821	427	22
1A16	BURNS LAKE	Upper Fraser West	820	2016-01-06	34	50		70%	80	76	10	192	71	35
1A17P	REVOLUTION CREEK	Upper Fraser East	1690	2016-01-01	148	326		86%	294	635	184	814	377	31
1A19P	DOME MOUNTAIN	Upper Fraser East	1820	2016-01-01	105	298		80%	337	527	171	581	372	10
1A23	BIRD CREEK	Upper Fraser West	1196	NS	NS	NS	NS			76	72	174	174	3
1B01	MOUNT WELLS	Nechako	1489	NS	NS	NS	NS			256	220	465	465	3
1B01P	MOUNT WELLS	Nechako	1490	2016-01-01	NA	227		72%	307	264	131	516	316	24
1B02	TAHTSA LAKE	Nechako	1319	NS	NS	NS	NS			444	444	1084	1084	3
1B02P	TAHTSA LAKE	Nechako	1300	2016-01-01	NA	464		67%	497	482	369	1168	693	24
1B05	SKINS LAKE	Nechako	877	2015-12-30	34	53		98%	54	0	0	127	54	25
1B06	MOUNT SWANNELL	Nechako	1596	NS	NS	NS	NS			153	134	247	247	3
1B07	NUTLI LAKE	Nechako	1502	NS	NS	NS	NS			173	173	527	527	3
1B08P	MOUNT PONDOSY	Nechako	1400	2016-01-01	NA	363		81%	440	181	204	670	448	24
1C01	BROOKMERE	Middle Fraser	994	NS	NS	NS	NS				22	170	97	11
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2015-12-31	88	239		87%		143	140	458	274	18
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS				0	80	32	8
1C08	NAZKO	Middle Fraser	1029	2016-01-05	20	31		76%	52	92	0	92	41	26
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS	NS	NS	NS				12	104	51	11
1C12P	GREEN MOUNTAIN	Middle Fraser	1780	2016-01-01	NA	429		91%	381	184	268	780	469	22
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	NS	NS	NS	NS						0	0
1C14	BRALORNE	Middle Fraser	1382	2015-12-31	37	77		95%		56	0	158	81	17
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2016-01-01	67	161		101%	104	206	38	350	160	16
1C18P	MISSION RIDGE	Middle Fraser	1850	2016-01-01	NA	237	E	91%	179	205	148	659	261	46
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS	NS	NS	NS				24	93	53	5
1C20P	BOSS MOUNTAIN MINE	Middle Fraser	1460	2016-01-01	105	255		79%	255	250	191	495	322	22
1C21	BIG CREEK	Middle Fraser	1130	2015-12-29	22	42		131%	44	68	10	68	32	26
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	2015-12-28	21	22		61%	40	52	0	106	36	36
1C23	PENFOLD CREEK	Middle Fraser	1687	2016-01-02	165	525							0	0
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	2015-12-31	55	119		172%	52	61	10	146	69	38
1C28	DUFFEY LAKE	Middle Fraser	1253	NS	NS	NS	NS						0	0

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1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456	NS	NS	NS	NS						0	0
1C32	DEADMAN RIVER	Middle Fraser	1463	NS	NS	NS	NS				30	141	65	6
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	N	N	N	N		78	124	46	124	93	8
1C37	BRALORNE(UPPER)	Middle Fraser	1980	2015-12-31	99	290		94%			116	504	309	17
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	N	N	N	N				272	690	489	17
1C38P	DOWNTON / LAJOIE UPPER	Middle Fraser	1829	2016-01-01	NA	451								0
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2015-12-31	113	300		101%		74	74	466	298	17
1C40	TYAUGHTON CREEK (NORTH)	Middle Fraser	1946	2015-12-31	73	198		81%		180	92	418	244	16
1C40P	NORTH TYAUGHTON	Middle Fraser	1969	2016-01-01	NA	174	E							0
1C41P	YANKS PEAK, EAST	Middle Fraser	1670	2016-01-01	119	365		92%	389	567	207	510	397	19
1C42	CAVERHILL LAKE NEW	Middle Fraser	1400	NS	NS	NS	NS							0
1D06P	TENQUILLE LAKE	Lower Fraser	1680	2016-01-01	187	526		108%	446	221	285	817	485	15
1D08	STAVE LAKE	Lower Fraser	1211	2015-12-31	209	584		101%	159	226	112	976	578	19
1D09	WAHLEACH LAKE	Lower Fraser	1395	2016-01-02	86	224		93%	91	187	46	417	240	21
1D09P	WAHLEACH LAKE	Lower Fraser	1400	2016-01-01	NA	290		66%	214	256	214	650	442	24
1D10	NAHATLATCH RIVER	Lower Fraser	1530	2015-12-31	196	634		108%			219	975	585	20
1D16	DICKSON LAKE	Lower Fraser	1147	2015-12-31	169	466		76%			274	1196	616	17
1D17P	CHILLIWACK RIVER	Lower Fraser	1600	2016-01-01	216	809		123%	353	560	353	1165	658	24
1D19P	SPUZZUM CREEK	Lower Fraser	1180	2016-01-01	192	597		90%	198	236	198	1268	662	17
1E01B	BLUE RIVER	North Thompson	673	2015-12-30	63	160		107%		177	0	263	149	24
1E02P	MOUNT COOK	North Thompson	1550	2016-01-01	218	684		110%	608	503	420	901	621	16
1E03A	TROPHY MOUNTAIN	North Thompson	1907	NS	NS	NS	NS						0	0
1E05	KNOUFF LAKE	North Thompson	1189	NS	NS	NS	NS						0	0
1E07	ADAMS RIVER	North Thompson	1769	NS	NS	NS	NS				205	475	324	12
1E08P	AZURE RIVER	North Thompson	1620	2016-01-01	153	528		89%	607	382	356	780	593	19
1E10P	KOSTAL LAKE	North Thompson	1770	2016-01-01	0	417		93%	388	403	271	615	448	31
1E14P	COOK CREEK	North Thompson	1280	2016-01-01	106	NA								0
1F01A	ABERDEEN LAKE	South Thompson	1262	2015-12-30	48	85		90%	61	71	61	106	94	4
1F02	ANGLEMONT	South Thompson	1168	NS	NS	NS	NS				164	164	164	1
1F03P	PARK MOUNTAIN	North Thompson	1890	2016-01-01	130	379		90%	382	439	256	632	421	31
1F04	ENDERBY	South Thompson	1948	NS	NS	NS	NS				292	742	489	27
1F06P	CELISTA MOUNTAIN	North Thompson	1551	2016-01-01	174	506		108%	388	397	307	577	468	11
2A01A	CANOE RIVER	Upper Columbia	866	NS	NS	NS	NS				29	86	48	4
2A02	GLACIER	Upper Columbia	1249	2015-12-26	112	362		119%	266	307	147	519	304	37
2A03A	FIELD	Upper Columbia	1310	NS	NS	NS	NS				38	127	80	10
2A06P	MOUNT REVELSTOKE	Upper Columbia	1830	2016-01-01	NA	595		101%	450	490	303	861	587	23
2A07	KICKING HORSE	Upper Columbia	1648	2015-12-30	66	160		109%	114	124	66	257	147	33
2A11	BEAVERFOOT	Upper Columbia	1924	2016-01-02	57	148		137%	92	104	52	215	108	27
2A14	MOUNT ABBOT	Upper Columbia	2031	2015-12-27	172	600		103%	517	426	298	1065	584	25
2A16	GOLDSTREAM	Upper Columbia	1914	2016-01-02	164	584		99%		560	355	906	588	27

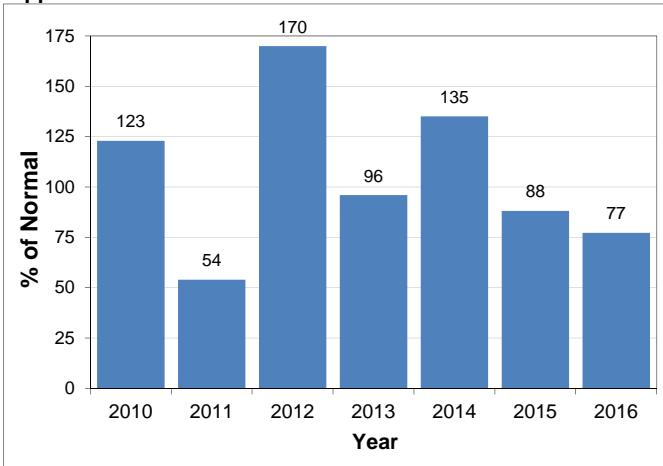
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2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2015-12-26	170	590		99%	510	497	331	1228	596	35
2A18	KEYSTONE CREEK	Upper Columbia	1839	2015-12-31	138	414		102%		296	217	577	405	26
2A18P	KEYSTONE CREEK	Upper Columbia	1850	2016-01-01	NA	475								0
2A19	VERMONT CREEK	Upper Columbia	1533	2016-01-01	96	286		138%	122	179	91	328	207	26
2A21P	MOLSON CREEK	Upper Columbia	1980	2016-01-01	NA	481		85%	431	442	286	1072	563	35
2A22	SUNBEAM LAKE	Upper Columbia	2066	2016-01-02	130	469		100%			243	1131	471	27
2A23	BUSH RIVER	Upper Columbia	1982	2016-01-02	134	483		116%			216	940	417	27
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2016-01-02	198	671		109%	273	517	273	1472	613	28
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2016-01-03	107	338		113%		372	166	504	298	26
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2016-01-02	226	335		47%		520	370	1022	706	26
2A30P	COLPITTI CREEK	Upper Columbia	2131	2016-01-01	NA	403								0
2A31P	CARIBOU CREEK UPPER	Upper Columbia	2201	2016-01-01	NA	465								0
2A32P	WILDCAT CREEK	Upper Columbia	2122	2016-01-01	NA	271								0
2B02A	FARRON	West Kootenay	1229	2016-01-05	85	157		108%	101	115	40	330	146	24
2B05	WHATSHAN (UPPER)	West Kootenay	1476	N	N	N	N		221	351	169	543	323	27
2B06P	BARNES CREEK	Lower Columbia	1620	2016-01-01	NA	272	E	103%	222	247	158	405	265	23
2B07	KOCH CREEK	West Kootenay	1813	2016-01-03	131	415		120%		242	170	473	346	26
2B08P	ST. LEON CREEK	Lower Columbia	1800	2016-01-01	NA	536		110%	471	439	221	855	488	23
2B09	RECORD MOUNTAIN	West Kootenay	1906	2016-01-02	137	320		100%		136	134	575	319	25
2C01	SINCLAIR PASS	East Kootenay	1374	NS	NS	NS	NS				25	107	54	11
2C04	SULLIVAN MINE	East Kootenay	1580	2015-12-28	58	114		91%	78	130	29	226	125	28
2C07	FERNIE EAST	East Kootenay	1213	2015-12-31	49	98		74%	111	106	28	330	132	30
2C09Q	MORRISSEY RIDGE	East Kootenay	1800	2016-01-01	NA	308		101%	171		124	706	306	36
2C10P	MOYIE MOUNTAIN	East Kootenay	1930	2016-01-01	63	184		107%	130	171	76	354	172	37
2C11	KIMBERLEY (UPPER) VOR	East Kootenay	2148	NS	NS	NS	NS							0
2C12	KIMBERLEY (MIDDLE) VOR	East Kootenay	1692	NS	NS	NS	NS							0
2C14P	FLOE LAKE	East Kootenay	2090	2016-01-01	NA	331		94%	317	272	173	503	352	23
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	2016-01-01	93	270		101%		252	111	567	267	27
2C16	MOUNT JOFFRE	East Kootenay	1763	2016-01-01	79	206		124%		184	73	364	166	27
2C17	THUNDER CREEK	East Kootenay	2062	2016-01-01	72	190		151%	138		61	276	126	27
2C20	VERMILLION RIVER NO. 3	East Kootenay	1612	NS	NS	NS	NS				68	184	132	10
2D02	FERGUSON	West Kootenay	929	2015-12-29	105	320		125%	254	269	93	409	256	32
2D03	SANDON	West Kootenay	1072	NS	NS	NS	NS				157	157	157	1
2D04	NELSON	West Kootenay	952	2015-12-30	48	121		72%		100	61	366	167	49
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	NS	NS	NS	NS				69	372	205	22
2D06	CHAR CREEK	West Kootenay	1290	2015-12-30	88	221		92%	163	184	110	480	239	28
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	NS	NS	NS	NS							0
2D08P	EAST CREEK	West Kootenay	2030	2016-01-01	NA	525		119%	374	271	206	858	442	35
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	2016-01-01	153	520		105%			277	902	496	28
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	NS	NS	NS	NS				222	612	358	15

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2D14P	REDFISH CREEK	West Kootenay	2104	2016-01-01	186	751		146%	686	473	401	742	514	14
2E01	MONASHEE PASS	Boundary	1387	2016-01-03	63	165		101%	95	226	84	239	163	32
2E02	CARMI	Boundary	1254	NS	NS	NS	NS				86	102	0	2
2E03	BIG WHITE MOUNTAIN	Boundary	1672	NS	NS	NS	NS				112	326	235	16
2E07P	GRANO CREEK	Kettle	1860	2016-01-01	98	285		127%	179	228	143	315	225	18
2F01A	TROUT CREEK (WEST)	Okanagan	1430	2015-12-30	49	93			68		68	140	0	2
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2016-01-05	67	172		172%		121	42	198	100	46
2F03	MC CULLOCH	Okanagan	1266	NS	NS	NS	NS				28	144	78	27
2F04	GRAYSTOKE LAKE	Okanagan	1818	2016-01-04	69	168		114%			96	282	147	11
2F05P	MISSION CREEK	Okanagan	1780	2016-01-01	88	242		107%	181	281	104	398	227	46
2F07	POSTILL LAKE	Okanagan	1358	NS	NS	NS	NS						0	0
2F08	GRAYBACK RESERVOIR	Okanagan	1548	2016-01-01	66	111		105%	118	163	56	181	106	25
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	NS	NS	NS	NS				122	447	271	19
2F10P	SILVER STAR MOUNTAIN	Okanagan	1839	2016-01-01	145	344								0
2F11	ISINTOK LAKE	Okanagan	1651	2016-01-06	42	108		157%		57	16	196	69	46
2F12	MOUNT KOBAN	Okanagan	1817	2015-12-30	77	185		133%	108	65	28	261	139	36
2F13	ESPERON CR (UPPER)	Okanagan	1634	NS	NS	NS	NS						0	0
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	NS	NS	NS	NS						0	0
2F18P	BRENDA MINE	Okanagan	1460	2016-01-01	NA	217		117%	120	125	85	304	185	23
2F19	OYAMA LAKE	Okanagan	1365	NS	NS	NS	NS						0	0
2F20	VASEUX CREEK	Okanagan	1403	NS	NS	NS	NS				32	117	56	18
2F21	BOULEAU LAKE	Okanagan	1405	NS	NS	NS	NS				160	351	0	1
2F23	MACDONALD LAKE	Okanagan	1742	NS	NS	NS	NS				81	328	189	15
2F24	ISLAHT LAKE	Okanagan	1492	NS	NS	NS	NS						0	0
2F25	POSTILL LAKE (UPPER)	Okanagan	1500	NS	NS	NS	NS						0	0
2G03P	BLACKWALL PEAK	Similkameen	1940	2016-01-01	159	488		129%	357	302	108	923	379	48
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	NS	NS	NS	NS				54	120	93	6
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	NS	NS	NS	NS				21	197	96	14
2G06	HAMILTON HILL	Similkameen	1477	NS	NS	NS	NS				55	313	168	14
3A01	GROUSE MOUNTAIN	South Coast	1126	2015-12-29	213	596		123%	96	140	24	878	485	27
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS	NS	NS	NS						0	0
3A05	POWELL RIVER (LOWER)	South Coast	882	NS	NS	NS	NS						0	0
3A09	PALISADE LAKE	South Coast	898	NS	NS	NS	NS			86	86	334	334	2
3A10	DOG MOUNTAIN	South Coast	1007	2015-12-30	196	586		120%	78	134	78	879	488	22
3A19	ORCHID LAKE	South Coast	1178	2015-12-29	269	832		113%	180	224	180	1360	739	25
3A20	CALLAGHAN CREEK	South Coast	1009	NS	NS	NS	NS				100	638	289	12
3A22P	NOSTETUKO RIVER	South Coast	1500	2016-01-01	83	268		104%	217	99	32	544	258	27
3A24P	UPPER MOSLEY CREEK	South Coast	1650	2016-01-01	50	159		82%	187	135	85	491	194	27
3A25P	UPPER SQUAMISH RIVER	South Coast	1340	2016-01-01	156	726		98%	391	289	391	1160	742	26
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2015-12-31	215	660		106%	219	112	0	1287	621	29

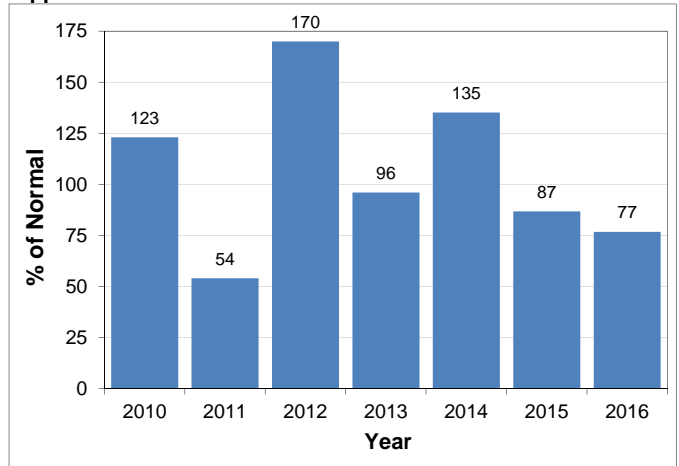
2016 Automated Snow Pillow/Manual Snow Survey Data				January					Historic Snow Water Equivalent (mm)					
Station ID	Name	Basin	Elevation (masl)	Survey Date YYYY-MM-DD	SD (cm)	SWE (mm)	Code	SWE % 1981-2010 Normal	2015 SWE (mm)	2014 SWE (mm)	Minimum (mm)	Maximum (mm)	1981-2010 Normal (mm)	Years of Record
3B02A	MT. COKELY	Vancouver Island	1267	NS	NS	NS	NS						0	0
3B04	ELK RIVER	Vancouver Island	270	2015-12-31	14	40		82%	0	0	0	264	49	28
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS				546	734	587	4
3B13	HEATHER MOUNTAIN	Vancouver Island	1170	NS	NS	NS	NS							1
3B17P	WOLF RIVER	Vancouver Island	1490	2016-01-01	NA	582		105%	292	141	43	1057	555	34
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2015-12-31	90	230		88%	116	0	0	774	262	22
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	2015-12-31	64	160		99%	40	0	0	388	161	22
3B23P	JUMP CREEK	Vancouver Island	1160	2016-01-01	148	287		63%	63	6	63	1025	459	20
3B24P	HEATHER MOUNTAIN UPPER	Vancouver Island	1190	2016-01-01	47	647								0
3B25P	NORTH RD LAB	Vancouver Island	35	2016-01-01	6	0								0
3C07	WEDEENE RIVER SOUTH	Central Coast	196	NS	NS	NS	NS				242	242	242	1
3C08P	BURNT BRIDGE CREEK	North Coast	1330	2016-01-01	124	382		89%	398	336	139	702	429	18
3D01C	SUMALLO RIVER WEST	Skagit	801	2016-01-02	41	82				47	47	47	0	1
3D02	LIGHTNING LAKE	Skagit	1254	NS	NS	NS	NS						0	0
3D03A	KLESILKWA	Skagit	1134	2016-01-02	54	134		109%		23	0	386	123	19
4A02P	PINE PASS	Peace	1400	2016-01-01	1	363		66%	311	677	241	1016	549	27
4A03	WARE (UPPER)	Peace	1563	2016-01-04	45	90		60%	99	145	64	248	151	27
4A04	WARE (LOWER)	Peace	969	2016-01-04	43	89		81%	92	152	52	240	110	25
4A05	GERMANSEN (UPPER)	Peace	1489	2016-01-03	68	156		84%	173	180	93	364	186	34
4A06	TUTIZZI LAKE	Peace	1043	2016-01-03	53	106		75%	92	171	72	223	142	26
4A07	LADY LAURIER LAKE	Peace	1446	2016-01-05	76	194		66%	225	283	140	472	295	33
4A09	PULPIT LAKE	Peace	1331	2016-01-04	68	152		65%	174	307	130	398	235	27
4A09P	PULPIT LAKE	Peace	1310	2016-01-01	1	133		53%	163	292	138	344	250	26
4A10	FREDRICKSON LAKE	Peace	1323	2016-01-04	47	93		73%	106	197	54	250	128	27
4A11	TRYGVE LAKE	Peace	1409	2016-01-03	57	119		57%		190	126	299	207	31
4A12	TSAYDAYCHI LAKE	Peace	1173	2016-01-03	74	166		76%	154	222	128	393	217	34
4A13	PHILIP LAKE	Peace	1013	2016-01-03	61	137		89%	119	138	48	288	154	34
4A16	MORFEE MOUNTAIN	Peace	1427	2016-01-02	101	265		62%	303	637	199	710	425	27
4A18	MOUNT SHEBA	Peace	1480	2016-01-02	117	369		84%	269	628	106	793	438	22
4A20	MONKMAN CREEK	Peace	1566	2016-01-02	68	190		69%	158	386	107	546	277	22
4A21	MOUNT STEARNS	Peace	1514	2016-01-04	25	41		50%	73	89	14	151	82	27
4A25	FORT ST. JOHN AIRPORT	Peace	692	2016-01-06	27	34	A	65%			0	134	52	31
4A30P	AIKEN LAKE	Peace	1040	2016-01-01	40	90		65%	88	168	71	262	138	31
4A31P	CRYING GIRL PRAIRIE	Peace	1358	2016-01-01	NA	86								0
4A33P	MUSKWA-KECHIKA	Peace	1196	2016-01-01	NA	23								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	NS	NS	NS	NS			369	369	894	894	3
4B02	JOHANSON LAKE	Skeena-Nass	1480	2016-01-03	55	108		65%		185	84	282	167	31
4B03A	HUDSON BAY MTN	Skeena-Nass	1452	2016-01-04	67	168	Z	64%		275	135	470	264	33
4B04	CHAPMAN LAKE	Skeena-Nass	1485	NS	NS	NS	NS						0	0
4B06	TACHEK CREEK	Skeena-Nass	1133	NS	NS	NS	NS						0	0

Snow Basin Index Graphs - January 1, 2016

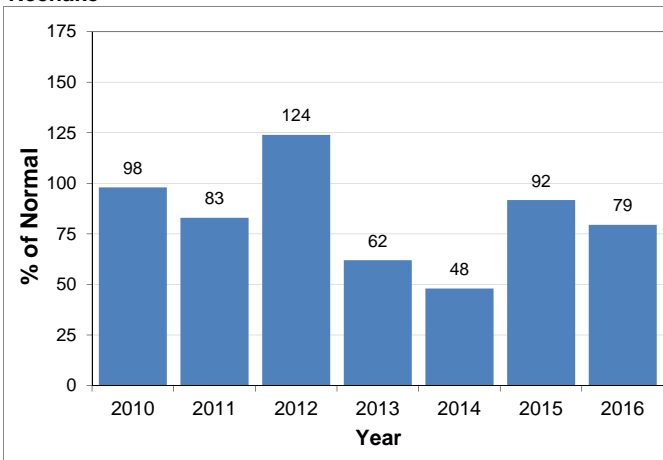
Upper Fraser West



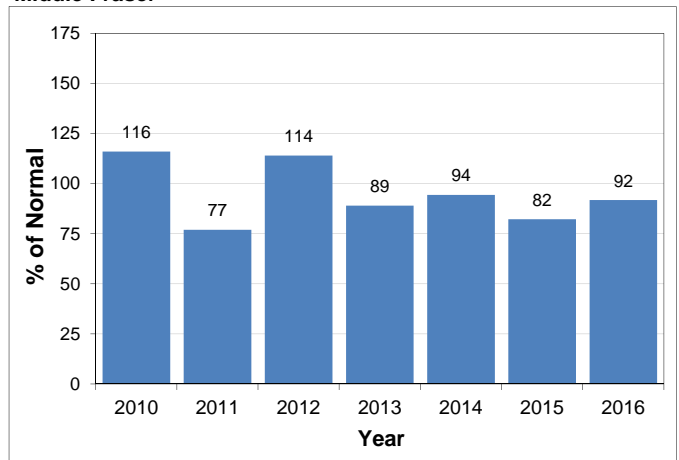
Upper Fraser East



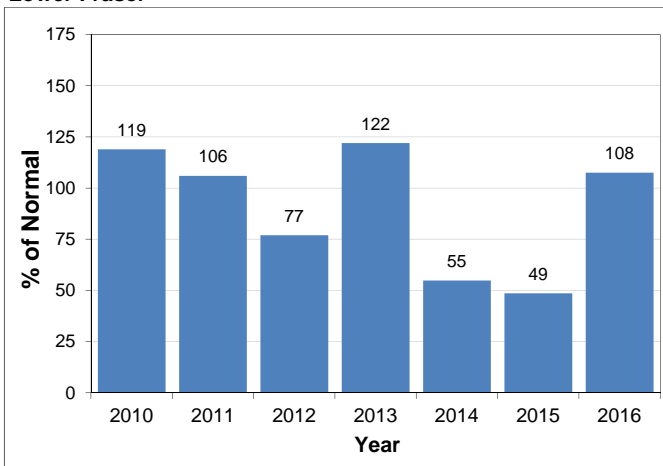
Nechako



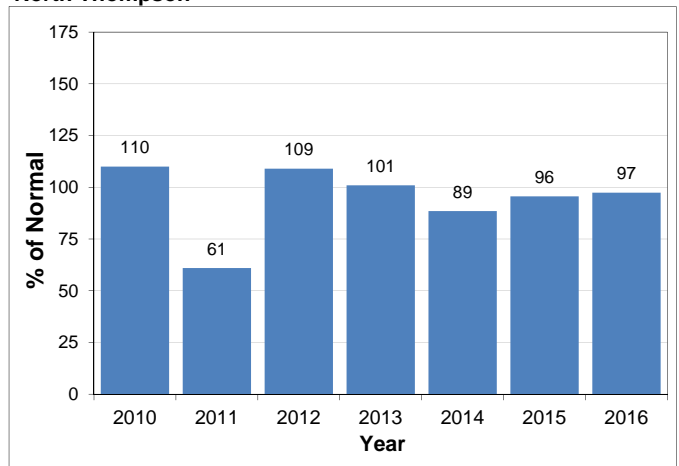
Middle Fraser



Lower Fraser

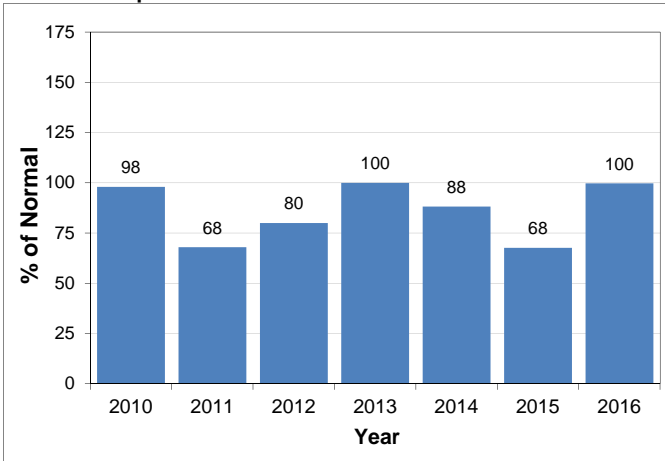


North Thompson

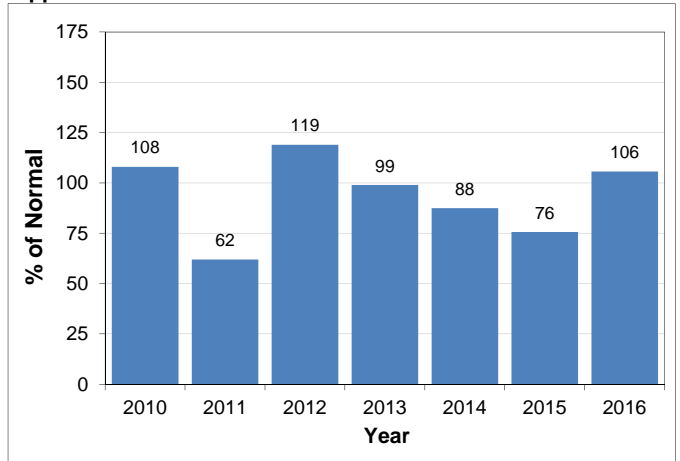


Snow Basin Index Graphs - January 1, 2016

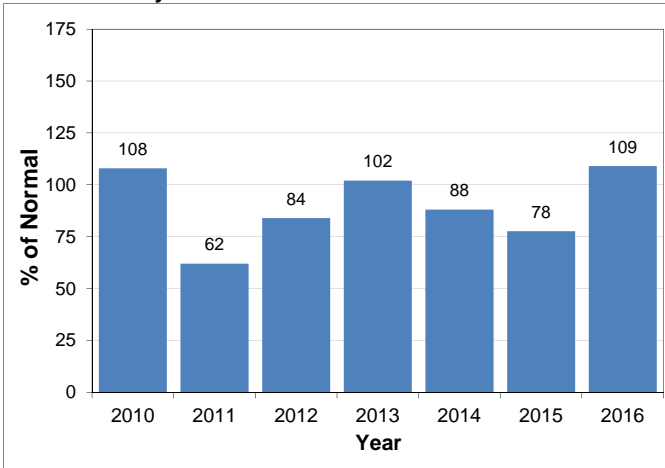
South Thompson



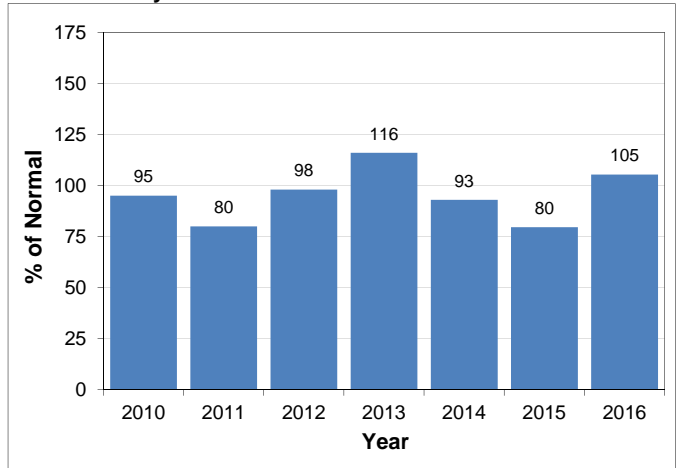
Upper Columbia



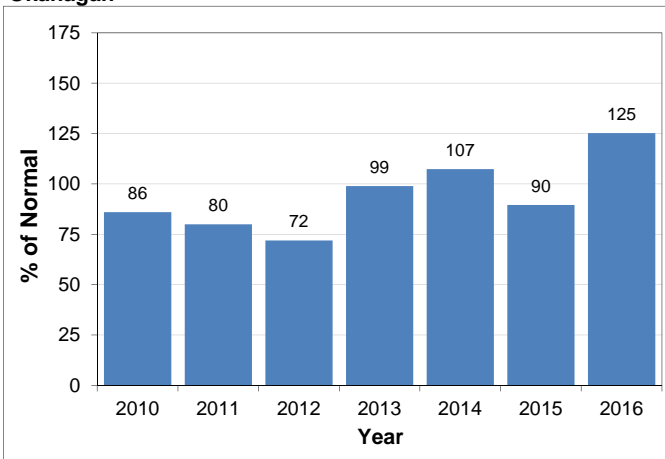
West Kootenay



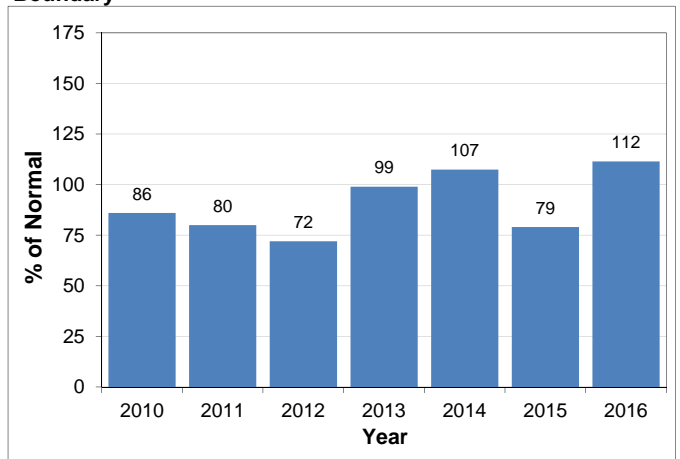
East Kootenay



Okanagan

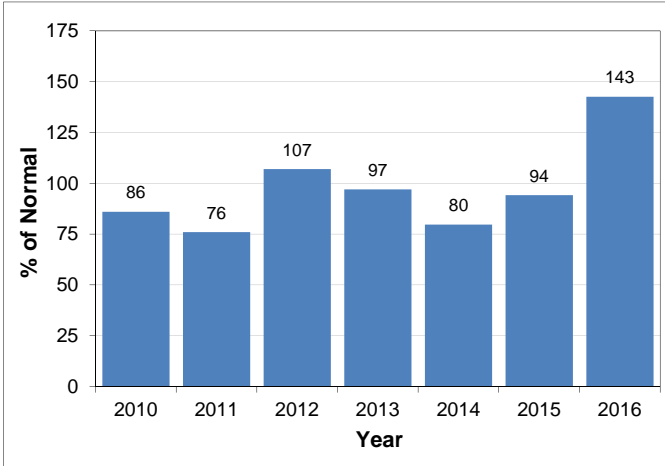


Boundary

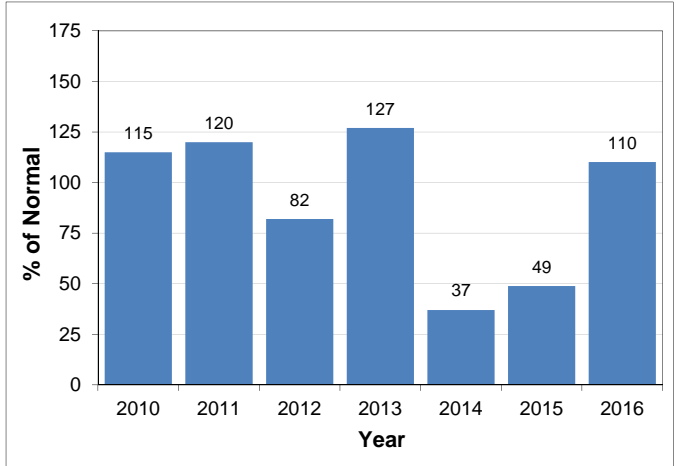


Snow Basin Index Graphs - January 1, 2016

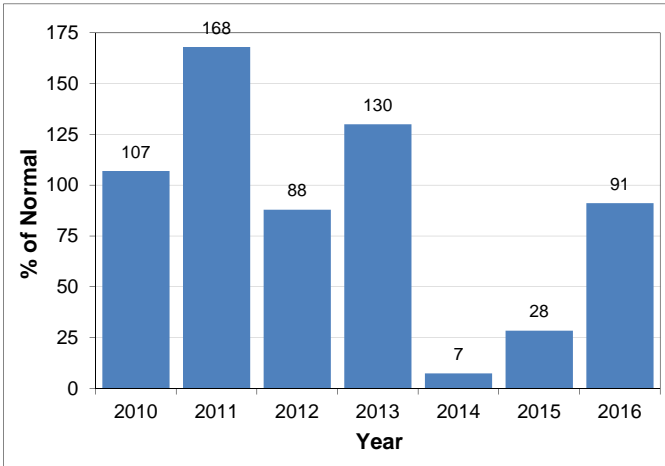
Similkameen



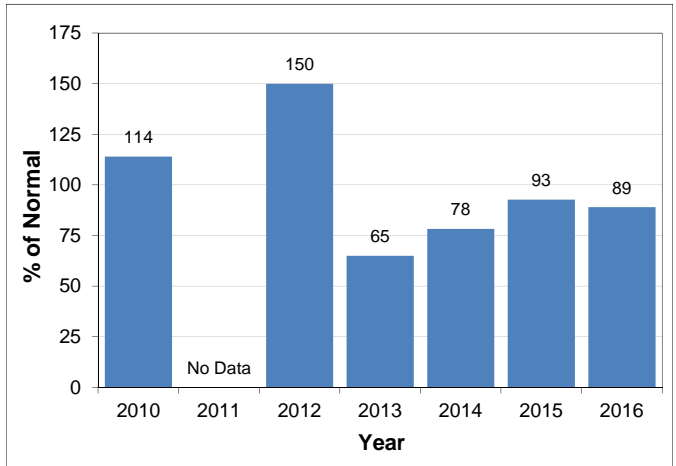
South Coast



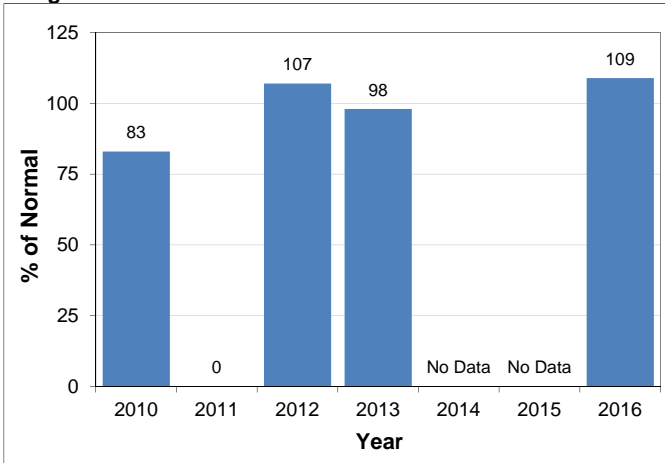
Vancouver Island



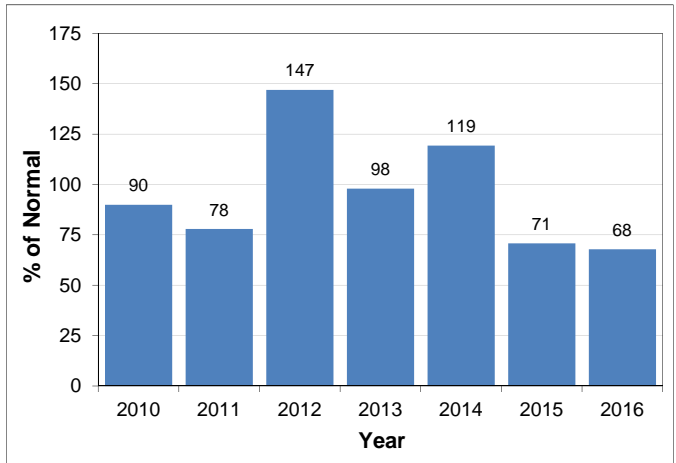
Central Coast



Skagit

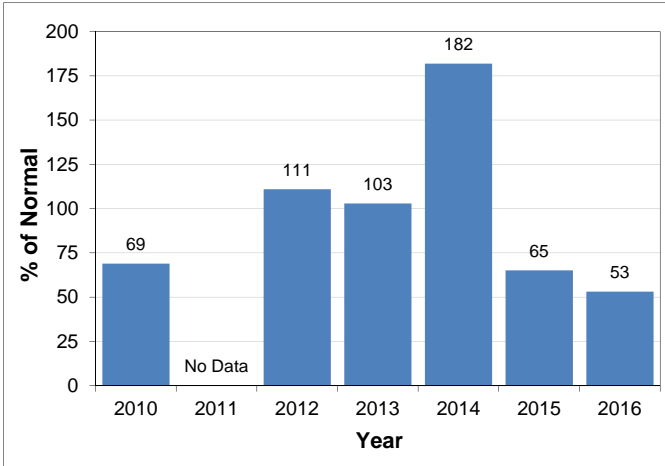


Peace

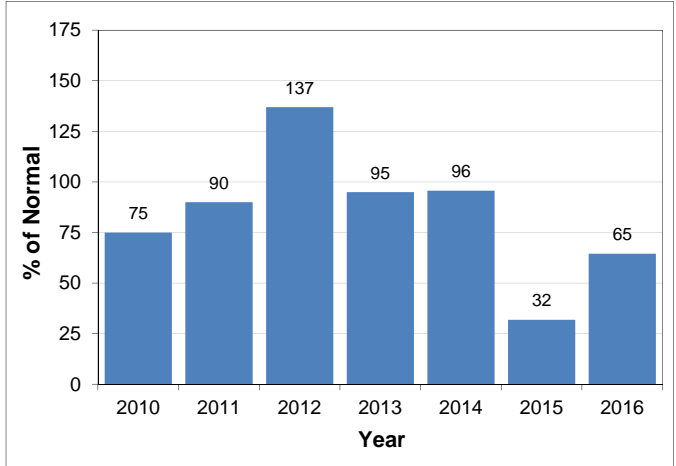


Snow Basin Index Graphs - January 1, 2016

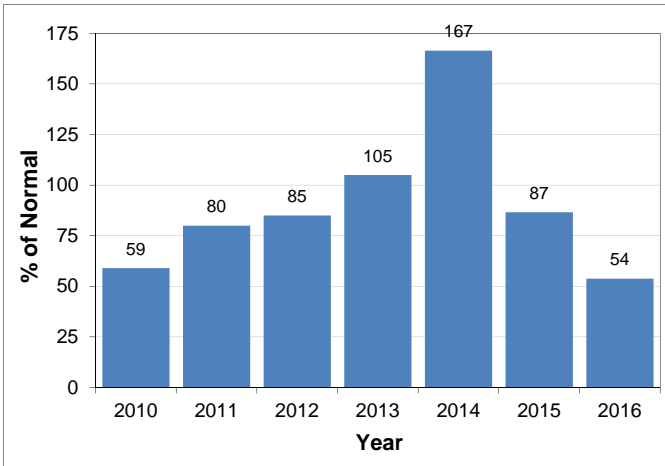
Stikine



Skeena-Nass



Liard



Northwest

