



Snow Survey and Water Supply Bulletin – January 1st, 2017

The January 1st snow survey is now complete. Data from 77 snow courses and 69 automated snow weather stations around the province, collected by the Ministry of Environment Snow Survey Program and partners, and climate data from Environment and Climate Change Canada have been used to form the basis of the following report¹.

Weather

Fall and early-winter weather had been variable across the province. October featured near-normal temperatures across most of the province, with wet conditions through southern BC and the North-East, and drier than normal conditions through the Central and North Coast.

November was extremely warm across the province, with most areas experiencing monthly average temperatures that were 2-5 °C above normal. Weather patterns were dominated by Pacific storm cycles. November was generally wetter than normal across the province, and much wetter than normal in south-west BC. Numerous significant storm events in November led to flooding on Vancouver Island and the South and Central Coast.

Weather patterns flipped in December, ushering in the dominance of Arctic air across British Columbia. Monthly temperatures were typically 2-5 °C below normal across the province. Precipitation through December was generally below normal to near normal across the province, with some areas of the South Interior experiencing above-normal precipitation. While precipitation amounts were not exceptional, cold temperatures led to much higher than normal (typically 130-300% of normal) snowfall throughout December for low elevation areas of south-west BC.

Snowpack

Snow basin indices for January 1st 2017 range from a low of 49% of normal in the Liard to a high of 114% in the South Coast (Table 1 and Figure 1). The province has below-normal snow pack for January 1st, with the average of all snow measurements at 82%. Well below-normal snowpack (<65%) is present in northern BC, including the Upper Fraser, Skeena-Nass, Stikine, Peace, and Liard. Slightly below-normal snowpacks (65-80%) are present in the Boundary and Okanagan. Near-normal snowpacks (85-115%) are present throughout the rest of the province.

Two key weather factors have been driving the seasonal snowpack development this year. First is the extremely warm November period across the province. This led to a delay in the early season accumulation of snow, and in some areas led to melting of the early season snow that had fallen in October. During November, river runoff from melting snow and moderate to heavy rainfall, led to extremely high seasonal flows for most river systems in the BC Interior. The second key weather driver has been the dominance of Arctic air across the province through December. This has led to dry conditions, particularly across northern BC, and cold conditions across the province. Colder than normal temperatures in south-west BC has led to much greater snow accumulations at low elevation, while the impact on higher elevation snowpack has been modest. Snow at low elevation has been much higher than

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normal through December, with many areas receiving twice as much snow as normal, or more.

Table 1 - BC Snow Basin Indices – January 1, 2017

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	59*	Boundary	73
Upper Fraser East	62	Similkameen	100*
Nechako	90	South Coast	114
Middle Fraser	82	Vancouver Island	98
Lower Fraser	111	Central Coast	87*
North Thompson	87	Skagit	110*
South Thompson	100	Peace	59
Upper Columbia	88	Skeena-Nass	65
West Kootenay	80	Stikine	54*
East Kootenay	87	Liard	49*
Okanagan	79	Northwest	NO DATA

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

January's snow survey schedule features fewer individual snow survey measurements than occur in later survey periods in the year. Some January 1st snow basin indices are therefore 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 compared to survey periods later in the season. All available January 1st snow measurements are provided at the end of this report.

Outlook

Weak La Niña conditions in the equatorial Pacific Ocean appear to have peaked. The Climate Prediction Centre (CPC) at the U.S. National Weather Service/NOAA is forecasting La Niña conditions to weaken through the remainder of the winter, and is forecasting a high likelihood of neutral ENSO conditions by the January to March period. Typically, La Niña is linked to cooler and wetter winters across British Columbia. Snowpacks tend to be higher than normal; however, there has been a large range of variability in snowpack during La Niña winters in the past. Given the weak nature of the current La Niña cycle, there is greater uncertainty regarding how it will influence this year's conditions.

Seasonal forecasts from Environment and Climate Change Canada are indicating an increased likelihood of below-normal temperatures across northern and western British Columbia over the January to March period. Short-to-medium term forecasts are suggesting colder temperatures through the middle of January, and an increased likelihood of warmer conditions into the second half of the month.



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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. 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.

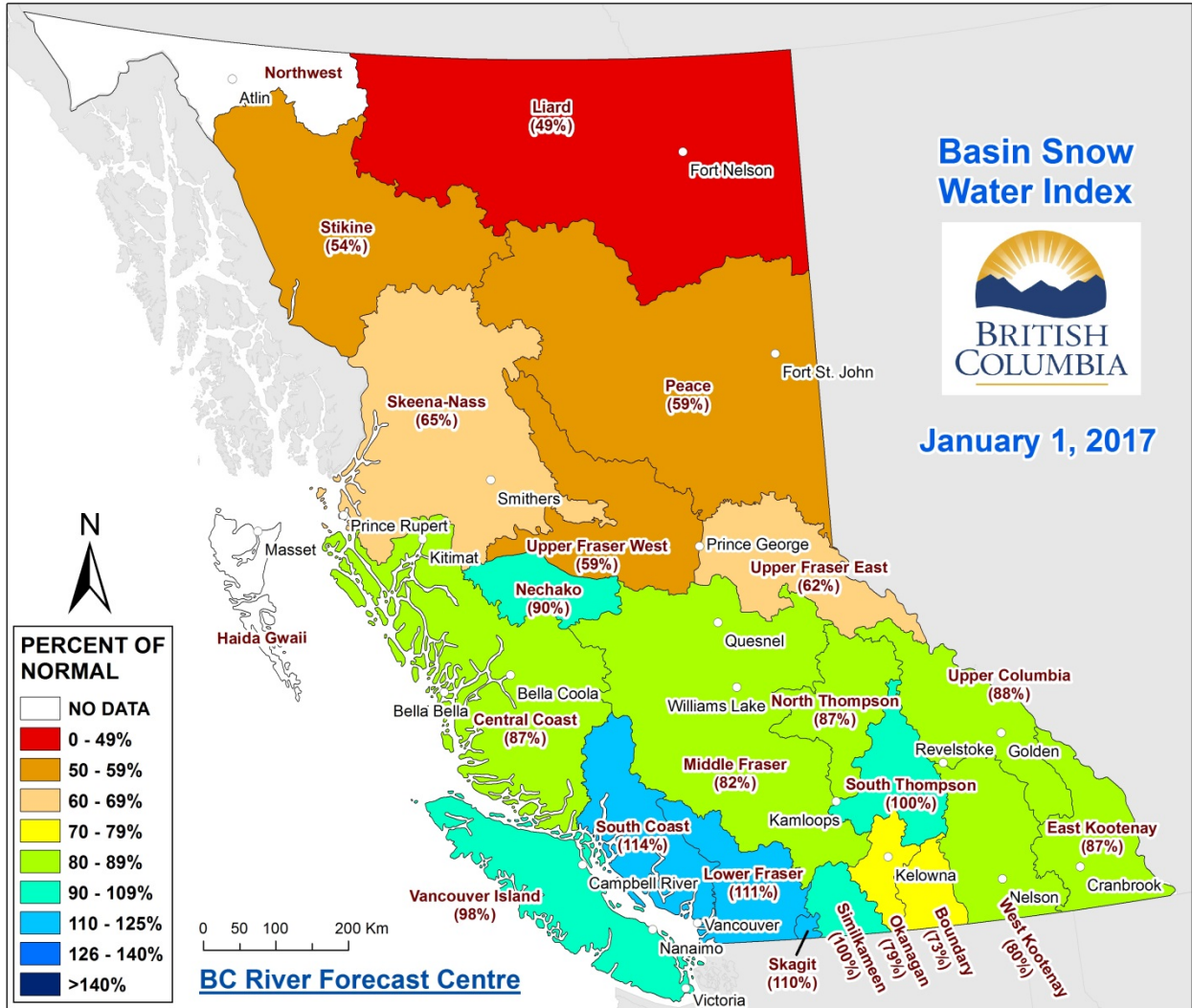
The River Forecast Centre will continue to monitor snow pack conditions and will provide an updated seasonal flood risk forecast in the February 1st 2017 bulletin, which is scheduled for release on February 7th.

BC River Forecast Centre
January 9, 2017



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Figure 1: Basin Snow Water Index – January 1st, 2017



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2017 Automated Snow Weather Station/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	2016 SWE (mm)	2015 SWE (mm)	Minimum (mm)	Maximum (mm)	1981-2010 Normal (mm)	Years of Record
1A01P	Yellowhead Lake	Upper Fraser East	1847	2017-01-01		204		69%	254	247	184	428	296	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-01-01	99	142		72%	198	245	121	387	198	25
1A03P	Barkerville	Upper Fraser East	1483	2017-01-01	356	114		74%	123	164	21	312	154	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	2017-01-05	93	202		49%	296	422	114	422	411	22
1A05P	Longworth Upper	Upper Fraser East	1740	2017-01-01	105	192								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS							0
1A10	PRINCE GEORGE A	Upper Fraser East	684	2017-01-04	22	31		53%	81		0	156	59	48
1A11	PACIFIC LAKE	Upper Fraser East	756	2017-01-05	93	186		61%	165	144	56	577	303	29
1A12	KAZA LAKE	Upper Fraser West	1247	2017-01-04	48	96		53%	132	116	92	371	182	34
1A12P	Kaza Lake	Upper Fraser West	1248	2017-01-01	63	116			136		136	136		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-01-01	138	234		67%	214	214	143	641	348	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	2017-01-05	117	261		61%		264	125	821	427	23
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-01-01	104	311								0
1A16	BURNS LAKE	Upper Fraser West	820	2017-01-04	32	46		65%	50	80	10	192	71	36
1A17P	Revolution Creek	Upper Fraser East	1676	2017-01-01	122	203		54%	326	294	184	814	377	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-01-01	94	215		58%	298	337	171	581	372	11
1A23	BIRD CREEK	Upper Fraser West	1196	NS	NS	NS	NS				72	174	174	4
1B01	MOUNT WELLS	Nechako	1489	NS	NS	NS	NS				220	465	465	4
1B01P	Mount Wells	Nechako	1489	2017-01-01	94	330		104%	227	307	131	516	316	25
1B02	TAHTSA LAKE	Nechako	1319	NS	NS	NS	NS				444	1084	1084	4
1B02P	Tahtsa Lake	Nechako	1319	2017-01-01	116	704		102%	464	497	369	1168	693	25
1B05	SKINS LAKE	Nechako	877	2017-01-03	29	48		89%	53	54	0	127	54	26
1B06	MOUNT SWANNELL	Nechako	1596	NS	NS	NS	NS				134	247	247	4
1B07	NUTLI LAKE	Nechako	1502	NS	NS	NS	NS				173	527	527	4
1B08P	Mount Pondosy	Nechako	1413	2017-01-01	175	293		65%	363	440	204	670	448	25
1C01	BROOKMERE	Middle Fraser	994	NS	NS	NS	NS				22	170	97	12
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2017-01-04	97	250		91%	239		140	458	274	19
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS				0	80	32	9
1C08	NAZKO	Middle Fraser	1029	NS	NS	NS	NS		31	52	0	92	41	27
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS	NS	NS	NS				12	104	51	12
1C12P	Green Mountain	Middle Fraser	1766	2017-01-01	209	336		72%	429	381	268	780	469	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	NS	NS	NS	NS							0
1C14	BRALORNE	Middle Fraser	1382	2017-01-04	36	70		86%	77		0	158	81	18
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-01-02	55	90		56%	161	104	38	350	160	17
1C18P	Mission Ridge	Middle Fraser	1903	2017-01-01	217	259		99%	237	179	148	659	261	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS	NS	NS	NS				24	93	53	6
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-01-01	223	225		70%	255	255	191	495	322	23

1C21	BIG CREEK	Middle Fraser	1130		NS	NS	NS	NS		42	44	10	68	32	27
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	2016-12-29	13	26		72%	22	40	0	106	36	37	
1C23	PENFOLD CREEK	Middle Fraser	1687		NS	NS	NS	NS	525		525	525	0	1	
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	2017-01-04	44	80		116%	119	52	10	146	69	39	
1C28	DUFFEY LAKE	Middle Fraser	1253		NS	NS	NS	NS						0	
1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456		NS	NS	NS	NS						0	
1C32	DEADMAN RIVER	Middle Fraser	1463		NS	NS	NS	NS			30	141	65	7	
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	2016-12-29	27	60		65%	116	78	46	124	93	9	
1C37	BRALORNE(UPPER)	Middle Fraser	1980	2017-01-04	110	328		106%	290		116	504	309	18	
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	2017-01-04	137	434		89%			272	690	489	18	
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-01-01	200	419			451		451	451		1	
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2017-01-04	101	276		93%	300		74	466	298	18	
1C40	TYAUGHTON	Middle Fraser	1946	2017-01-04	83	206		84%	198		92	418	244	17	
1C40P	North Tyughton	Middle Fraser	1969	2017-01-01		184			174		174	174		1	
1C41P	Yanks Peak East	Middle Fraser	1683	2017-01-01	115	304		77%	365	389	207	510	397	20	
1C42	CAVERHILL LAKE	Middle Fraser	1400		NS	NS	NS	NS							
1D06P	Tenquille Lake	Lower Fraser	1669	2017-01-01		532		110%	526	446	285	817	485	16	
1D08	STAVE LAKE	Lower Fraser	1211	2017-01-04	220	646		112%	584	159	112	976	578	20	
1D09	WAHLEACH LAKE	Lower Fraser	1395	2017-01-04	102	250		104%	224	91	46	417	240	22	
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-01-01	184	308		70%	290	214	214	650	442	25	
1D10	NAHATLATCH RIVER	Lower Fraser	1530	2017-01-04	155	438		75%	634		219	975	585	21	
1D16	DICKSON LAKE	Lower Fraser	1147	2017-01-04	263	806		131%	466		274	1196	616	18	
1D17P	Chilliwack River	Lower Fraser	1621	2017-01-01	146	620		94%	809	353	353	1165	658	25	
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-01-01	73	595		90%	597	198	198	1268	662	18	
1E01B	BLUE RIVER	North Thompson	673	2016-12-31	80	122		82%	160		0	263	149	25	
1E02P	Mount Cook	North Thompson	1574	2017-01-01	287	513		83%	684	608	420	901	621	17	
1E03A	TROPHY MOUNTAIN	North Thompson	1907		NS	NS	NS	NS						0	
1E05	KNOUFF LAKE	North Thompson	1189		NS	NS	NS	NS						0	
1E07	ADAMS RIVER	North Thompson	1769		NS	NS	NS	NS			205	475	324	13	
1E08P	Azure River	North Thompson	1625	2017-01-01		538		91%	528	607	356	780	593	20	
1E10P	Kostal Lake	North Thompson	1760	2017-01-01		398		89%	417	388	271	615	448	32	
1E14P	Cook Creek	North Thompson	1280	2017-01-01	29	0			0		0	0		1	
1F01A	ABERDEEN LAKE	South Thompson	1262		NS	NS	NS	NS	85	61	61	106	94	5	
1F02	ANGLEMONT	South Thompson	1168		NS	NS	NS	NS			164	164	164	2	
1F03P	Park Mountain	South Thompson	1857	2017-01-01	134				379	382	256	632	421	32	
1F04P	Enderby	South Thompson	1950	2017-01-01	128	552								0	
1F06P	Celista Mountain	South Thompson	1533	2017-01-01	67	357		76%	506	388	307	577	468	12	
2A01A	CANOE RIVER	Upper Columbia	866		NS	NS	NS	NS			29	86	48	5	
2A02	GLACIER	Upper Columbia	1249	2016-12-29	83	208		68%	362	266	147	519	304	38	
2A03A	FIELD	Upper Columbia	1310		NS	NS	NS	NS			38	127	80	11	
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-01-01	63	600		102%	595	450	303	861	587	24	
2A07	KICKING HORSE	Upper Columbia	1648	2016-12-28	42	90		61%	160	114	66	257	147	34	

2A11	BEAVERFOOT	Upper Columbia	1924	2017-01-04	42	80		74%	148	92	52	215	108	28
2A14	MOUNT ABBOT	Upper Columbia	2031	2016-12-27	160	522		89%	600	517	298	1065	584	26
2A16	GOLDSTREAM	Upper Columbia	1914	2017-01-03	227	626		106%	584		355	906	588	28
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2016-12-26	154	490		82%	590	510	331	1228	596	36
2A18	KEYSTONE CREEK	Upper Columbia	1839	2017-01-03	146	385		95%	414		217	577	405	27
2A18P	Keystone Creek	Upper Columbia	1850	2017-01-01		518			475		475	475		1
2A19	VERMONT CREEK	Upper Columbia	1533	2017-01-04	73	185		89%	286	122	91	328	207	27
2A21P	Molson Creek	Upper Columbia	1930	2017-01-01	194	484		86%	481	431	286	1072	563	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	2017-01-03	166	466		99%	469		243	1131	471	28
2A23	BUSH RIVER	Upper Columbia	1982	2017-01-03	142	399		96%	483		216	940	417	28
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2017-01-03	218	620		101%	671	273	273	1472	613	29
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2017-01-03	110	230		77%	338		166	504	298	27
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2017-01-03	236	664		94%	335		335	1022	706	27
2A30P	Colpitti Creek	Upper Columbia	2131	2017-01-01	224	465			403		403	403		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-01-01	172	484			465		465	465		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-01-01	157	258			271		271	271		1
2B02A	FARRON	Lower Columbia	1229	2017-01-03	58	110		75%	157	101	40	330	146	25
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	2017-01-02	89	191		59%		221	169	543	323	28
2B06P	Barnes Creek	Lower Columbia	1595	2017-01-01	129	130		49%	272	222	158	405	265	24
2B07	KOCH CREEK	Lower Columbia	1813	2017-01-02	128	336		97%	415		170	473	346	27
2B08P	St. Leon Creek	Lower Columbia	1822	2017-01-01	48	501		103%	536	471	221	855	488	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2016-12-31	123	324		102%	320		134	575	319	26
2C01	SINCLAIR PASS	East Kootenay	1374	NS	NS	NS	NS				25	107	54	12
2C04	SULLIVAN MINE	East Kootenay	1580	2016-12-30	56	84		67%	114	78	29	226	125	29
2C07	FERNIE EAST	East Kootenay	1213	2016-12-30	68	112		85%	98	111	28	330	132	31
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-01-01	39	212		69%	308	171	124	706	306	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-01-01	73	180		105%	184	130	76	354	172	38
2C14P	Floe Lake	East Kootenay	2110	2017-01-01	76	396		113%	331	317	173	503	352	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	2017-01-04	108	286		107%	270		111	567	267	28
2C16	MOUNT JOFFRE	East Kootenay	1763	2017-01-04	50	98		59%	206		73	364	166	28
2C17	THUNDER CREEK	East Kootenay	2062	2017-01-04	56	115		91%	190	138	61	276	126	28
2D02	FERGUSON	West Kootenay	929	2016-12-28	74	125		49%	320	254	93	409	256	33
2D03	SANDON	West Kootenay	1072	NS	NS	NS	NS				157	157	157	2
2D04	NELSON	West Kootenay	952	2016-12-29	58	87		52%	121		61	366	167	50
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	NS	NS	NS	NS				69	372	205	23
2D06	CHAR CREEK	West Kootenay	1290	2016-12-29	74	118		49%	221	163	110	480	239	29
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	NS	NS	NS	NS						0	0
2D08P	East Creek	West Kootenay	2004	2017-01-01	40	443		100%	525	374	206	858	442	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	2017-01-02	180	447		90%	520		277	902	496	29
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	NS	NS	NS	NS				222	612	358	16
2D14P	Redfish Creek	West Kootenay	2086	2017-01-01	253	704		137%	751	686	401	751	514	15
2E01	MONASHEE PASS	Kettle	1387	2017-01-02	46	92		56%	165	95	84	239	163	33

2E02	CARMI	Kettle	1254		NS	NS	NS	NS				86	102	0	3
2E03	BIG WHITE MOUNTAIN	Kettle	1672		NS	NS	NS	NS				112	326	235	17
2E07P	Grano Creek	Kettle	1874	2017-01-01	54	189			84%	285	179	143	315	225	19
2F01A	TROUT CREEK (West)	Okanagan	1430		NS	NS	NS	NS		93	68	68	140	0	3
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2017-01-06	51	104			104%	172		42	198	100	47
2F03	MC CULLOCH	Okanagan	1266		NS	NS	NS	NS				28	144	78	28
2F04	GRAYSTOKE LAKE	Okanagan	1818	2017-01-06	51	128			87%	168		96	282	147	12
2F05P	Mission Creek	Okanagan	1794	2017-01-01	95	176			78%	242	181	104	398	227	47
2F07	POSTILL LAKE	Okanagan	1358		NS	NS	NS	NS						0	0
2F08P	Greyback Reservoir	Okanagan	1550	2017-01-01		102									0
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789		NS	NS	NS	NS				122	447	271	20
2F10P	Silver Star Mountain	Okanagan	1839	2017-01-01	88	314				344		344	344		1
2F11	ISINTOK LAKE	Okanagan	1651	2017-01-06	42	77			112%	108		16	196	69	47
2F12	MOUNT KOBAN	Okanagan	1817	2016-12-29	46	70			50%	185	108	28	261	139	37
2F13	ESPERON CR (UPPER)	Okanagan	1634		NS	NS	NS	NS						0	
2F14	ESPERON CR (MIDDLE)	Okanagan	1440		NS	NS	NS	NS						0	
2F18P	Brenda Mine	Okanagan	1453	2017-01-01	290	125			68%	217	120	85	304	185	24
2F19	OOYAMA LAKE	Okanagan	1365		NS	NS	NS	NS						0	
2F20	VASEUX CREEK	Okanagan	1403		NS	NS	NS	NS				32	117	56	19
2F21	BOULEAU LAKE	Okanagan	1405		NS	NS	NS	NS				160	351	0	2
2F23	MACDONALD LAKE	Okanagan	1742		NS	NS	NS	NS				81	328	189	16
2F24	ISLAHT LAKE	Okanagan	1492		NS	NS	NS	NS						0	
2F25	POSTILL LAKE UPPER	Okanagan	1500		NS	NS	NS	NS							
2G03P	Blackwall Peak	Similkameen	1934	2017-01-01	49	333			88%	488	357	108	923	379	49
2G04	LOST HORSE MOUNTAIN	Similkameen	1988		NS	NS	NS	NS				54	120	93	7
2G05	MISSEZULA MOUNTAIN	Similkameen	1602		NS	NS	NS	NS				21	197	96	15
2G06	HAMILTON HILL	Similkameen	1477		NS	NS	NS	NS				55	313	168	15
3A01	GROUSE MOUNTAIN	South Coast	1126	2017-01-03	224	732			151%	596	96	24	878	485	28
3A02	POWELL RIVER (UPPER)	South Coast	1002		NS	NS	NS	NS						0	
3A05	POWELL RIVER (LOWER)	South Coast	882		NS	NS	NS	NS						0	
3A09	PALISADE LAKE	South Coast	898		NS	NS	NS	NS				86	334	334	3
3A10	DOG MOUNTAIN	South Coast	1007	2017-01-03	239	754			155%	586	78	78	879	488	23
3A19	ORCHID LAKE	South Coast	1178	2017-01-03	251	808			109%	832	180	180	1360	739	26
3A20	CALLAGHAN CREEK	South Coast	1009		NS	NS	NS	NS				100	638	289	13
3A22P	Nostetuko River	South Coast	1457	2017-01-01		169			66%	268	217	32	544	258	28
3A24P	Mosley Creek Upper	South Coast	1655	2017-01-01		181			93%	159	187	85	491	194	28
3A25P	Squamish River Upper	South Coast	1387	2017-01-01		584			79%	726	391	391	1160	742	27
3A26	CHAPMAN CREEK	South Coast	1022		NS	NS	NS	NS							
3A27	EDWARDS LAKE	South Coast	1070		NS	NS	NS	NS							
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2016-12-30	219	619			100%	660	219	0	1287	621	30
3B02A	MOUNT COKELY	Vancouver Island	1267		NS	NS	NS	NS						0	
3B04	ELK RIVER	Vancouver Island	270	2016-12-30	40	123			251%	40	0	0	264	49	29

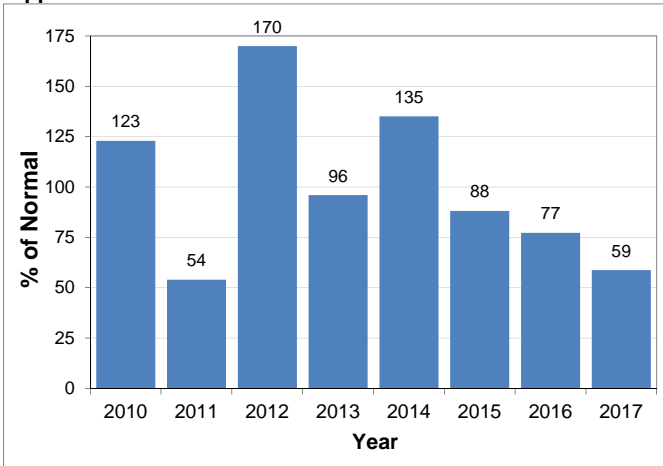
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS				546	734	587	5
3B17P	Wolf River Upper	Vancouver Island	1422	2017-01-01		518		93%	582	292	43	1057	555	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2016-12-30	149	310		118%	230	116	0	774	262	23
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	2016-12-30	95	204		127%	160	40	0	388	161	23
3B23P	Jump Creek	Vancouver Island	1134	2017-01-01		460		100%	287	63	63	1025	459	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-01-01		661			647		647	647		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-01-01		373								0
3C07	WEDEENE RIVER SOUTH	North Coast	196	NS	NS	NS	NS				242	242	242	2
3C08P	Burnt Bridge Creek	North Coast	1329	2017-01-01		279		65%	382	398	139	702	429	19
3D01C	SUMALLO RIVER WEST	Skagit	801	NS	NS	NS	NS		82		47	82	0	2
3D02	LIGHTNING LAKE	Skagit	1254	NS	NS	NS	NS						0	
3D03A	KLESILKWA	Skagit	1134	2017-01-04	69	135		110%	134		0	386	123	20
4A02P	Pine Pass	Peace	1386	2017-01-01		101		18%	363	311	241	1016	549	28
4A03	WARE (UPPER)	Peace	1563	2017-01-03	50	92		61%	90	99	64	248	151	28
4A03P	Ware Upper	Peace	1565	2017-01-01		68								0
4A04	WARE (LOWER)	Peace	969	2017-01-03	31	46		42%	89	92	52	240	110	26
4A04P	Ware Lower	Peace	971	2017-01-01		134								0
4A05	GERMANSEN (UPPER)	Peace	1489	2017-01-04	52	115		62%	156	173	93	364	186	35
4A06	TUTIZZI LAKE	Peace	1043	2017-01-04	38	69		49%	106	92	72	223	142	27
4A07	LADY LAURIER LAKE	Peace	1460	2017-01-02	82	178		60%	194	225	140	472	295	34
4A09	PULPIT LAKE	Peace	1331	2017-01-03	70	136		58%	152	174	130	398	235	28
4A09P	Pulpit Lake	Peace	1331	2017-01-01		110		44%	133	163	133	344	250	27
4A10	FREDRICKSON LAKE	Peace	1323	2017-01-03	38	70		55%	93	106	54	250	128	28
4A11	TRYGV E LAKE	Peace	1409	2017-01-04	62	121		58%	119		119	299	207	32
4A12	TSAYDAYCHI LAKE	Peace	1173	2017-01-04	65	148		68%	166	154	128	393	217	35
4A13	PHILIP LAKE	Peace	1013	N	N	N	N		137	119	48	288	154	35
4A16	MORFEE MOUNTAIN	Peace	1427	2017-01-05	90	239		56%	265	303	199	710	425	28
4A18	MOUNT SHEBA	Peace	1480	2017-01-05	112	279		64%	369	269	106	793	438	23
4A20	MONKMAN CREEK	Peace	1566	N	N	N	N		190	158	107	546	277	23
4A21	MOUNT STEARNS	Peace	1514	2017-01-03	61	92		112%	41	73	14	151	82	28
4A25	FORT ST. JOHN A	Peace	692	2017-01-05	34	50		96%	34	0	0	134	52	32
4A27P	Kwadacha North	Peace	1554	2017-01-01		80								0
4A30P	Aiken Lake	Peace	1061	2017-01-01		117		85%	90	88	71	262	138	32
4A31P	Crying Girl Prairie	Peace	1358	2017-01-01		75			86		86	86		1
4A33P	Muskwa-Kechika	Peace	1196	2017-01-01		301			23		23	23		1
4A34P	Dowling Creek	Peace	1456	2017-01-01		78								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	NS	NS	NS	NS				369	894	894	4
4B02	JOHANSON LAKE	Skeena-Nass	1480	2017-01-04	51	103		62%	108		84	282	167	32
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	2017-01-04	82	218		83%	168		135	470	264	34
4B04	CHAPMAN LAKE	Skeena-Nass	1485	NS	NS	NS	NS						0	
4B06	TACHEK CREEK	Skeena-Nass	1133	NS	NS	NS	NS						0	
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	NS	NS	NS	NS						0	

4B08	MOUNT CRONIN	Skeena-Nass	1491		NS	NS	NS	NS							0	
4B10	NINGUNSAW PASS	Nass	647		NS	NS	NS	NS				277	277		0	2
4B11A	BEAR PASS	Nass	437		NS	NS	NS	NS							0	
4B12P	Granduc Mine	Skeena-Nass	790	2017-01-01				157								0
4B13A	TERRACE A	Skeena-Nass	219	2017-01-05		28	46		63%	68		0	264	73	31	
4B14	EQUITY MINE	Skeena-Nass	1434		NS	NS	NS	NS				118	228	166	11	
4B15	LU LAKE	Skeena-Nass	1296		NS	NS	NS	NS				96	182	130	11	
4B15P	Lu Lake	Skeena-Nass	1308	2017-01-01			204		145%	119	174	41	291	141	19	
4B16P	Shedin Creek	Skeena-Nass	1320	2017-01-01			441		104%	195	206	195	598	425	21	
4B17P	Tsai Creek	Skeena-Nass	1360	2017-01-01			165		28%	302	475	302	983	599	19	
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-01-01			72		23%	178	167	83	568	307	16	
4C01	SIKANNI LAKE	Liard	1390	2017-01-03	48	71			49%	78		44	257	145	33	
4C01P	Sikanni Lake	Liard	1400	2017-01-01			109									0
4C02	SUMMIT LAKE	Liard	1291		NS	NS	NS	NS				58	58	0	3	
4C03	DEASE LAKE	Liard	805		NS	NS	NS	NS				20	168	68	38	
4C05	FORT NELSON AIRPORT	Liard	368		NS	NS	NS	NS		38	42	15	112	57	45	
4C15	JADE CITY	Liard	943		NS	NS	NS	NS							0	
4D01	TELEGRAPH CREEK	Stikine	490		NS	NS	NS	NS							0	
4D02	ISKUT	Stikine	931		NS	NS	NS	NS				76	76	0	2	
4D11P	Kinaskan Lake	Stikine	1020	2017-01-01						94	97	94	97	202	21	
4E02B	ATLIN LAKE	Yukon	730		NS	NS	NS	NS			0					1

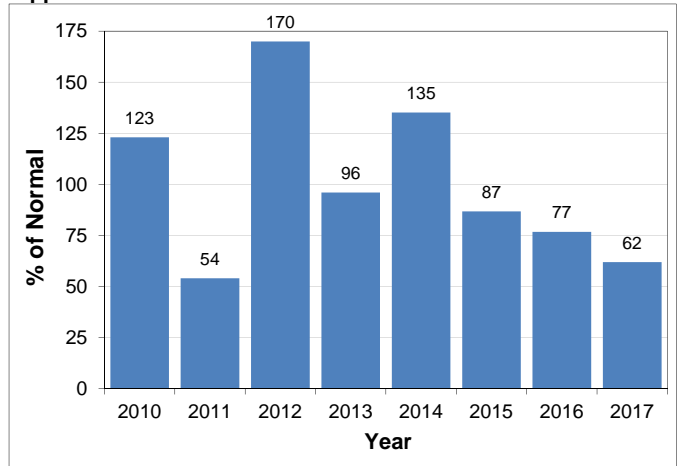
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - January 1, 2017

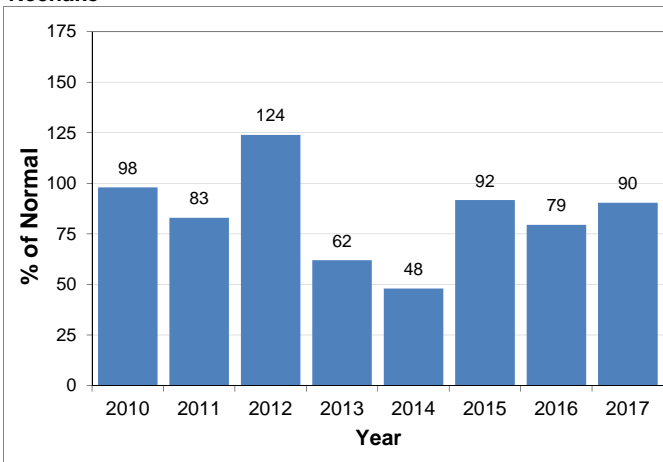
Upper Fraser West



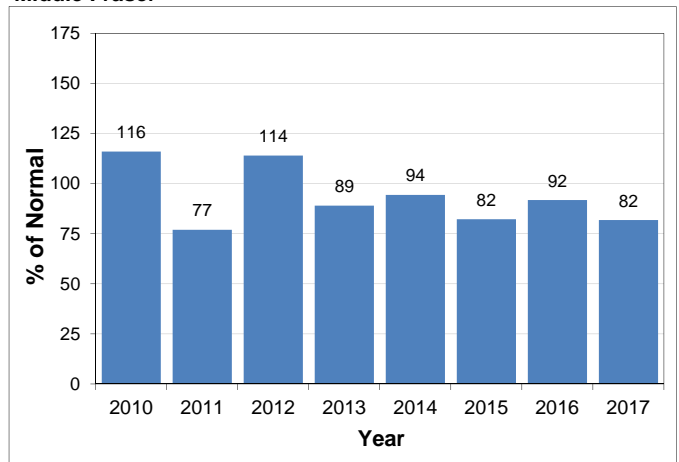
Upper Fraser East



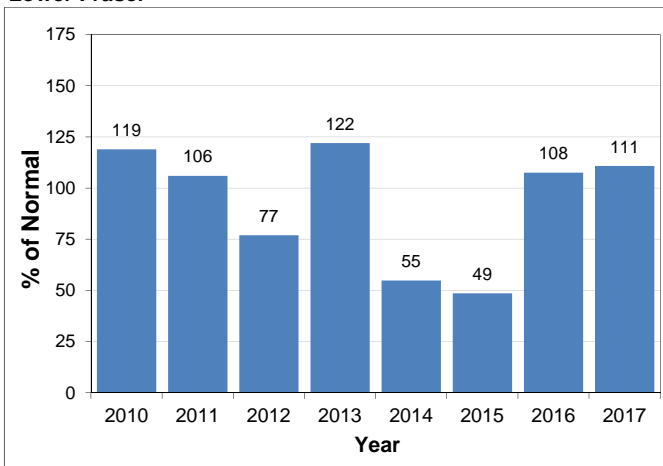
Nechako



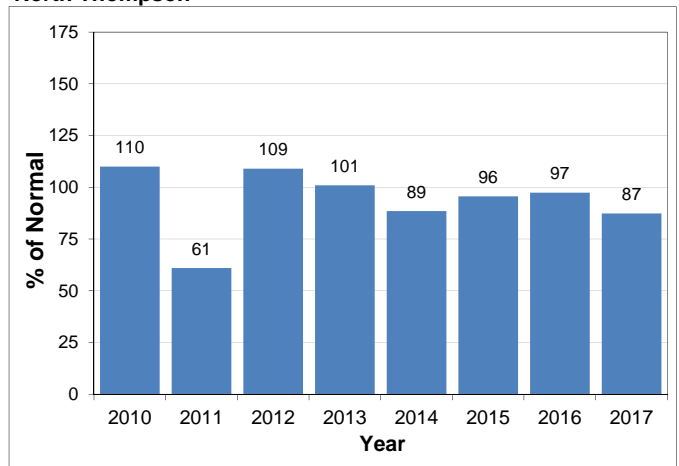
Middle Fraser



Lower Fraser

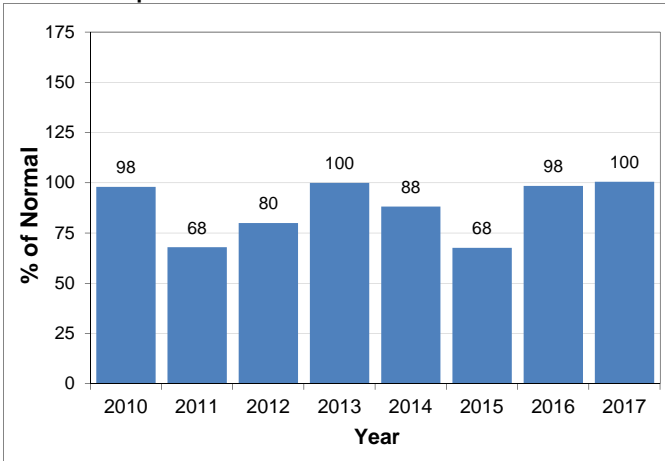


North Thompson

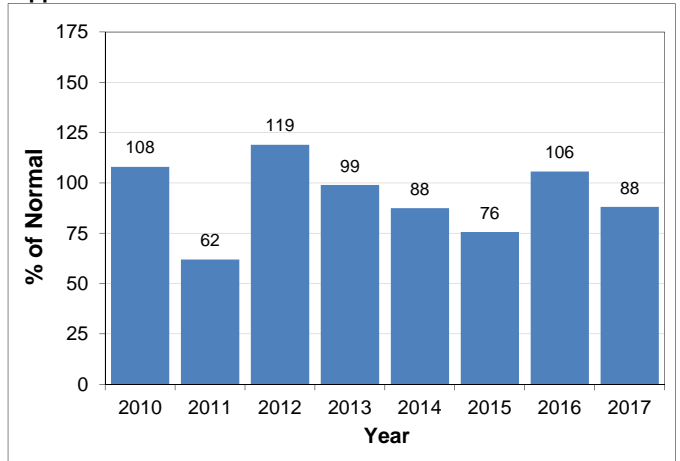


Snow Basin Index Graphs - January 1, 2017

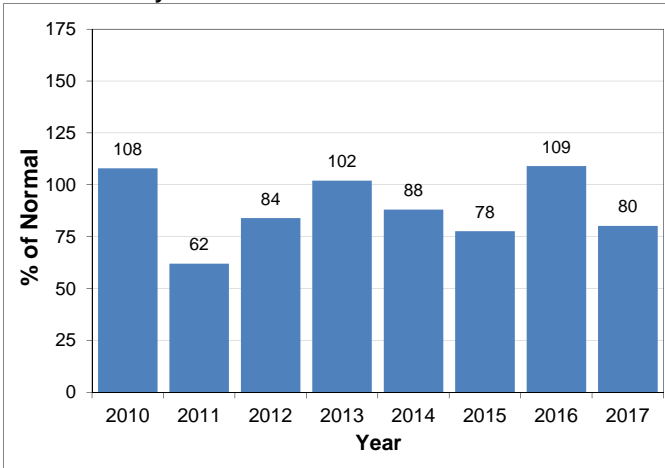
South Thompson



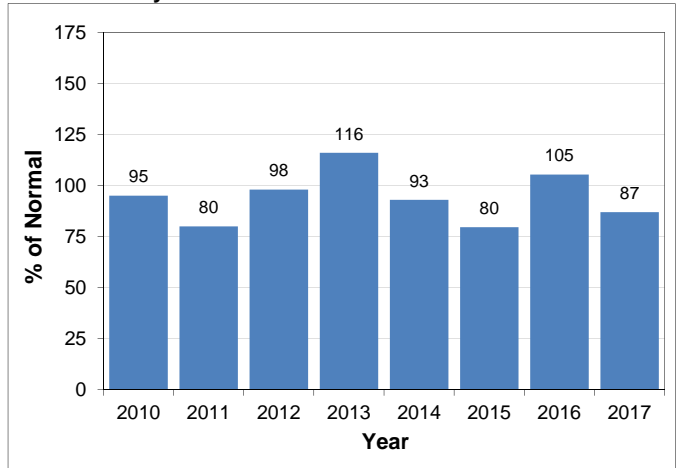
Upper Columbia



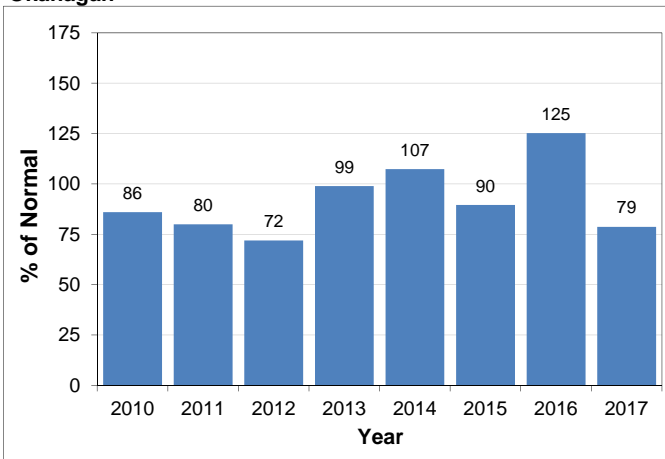
West Kootenay



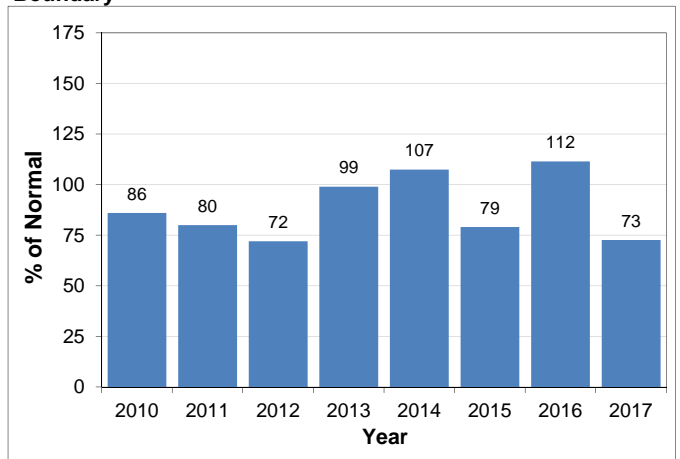
East Kootenay



Okanagan

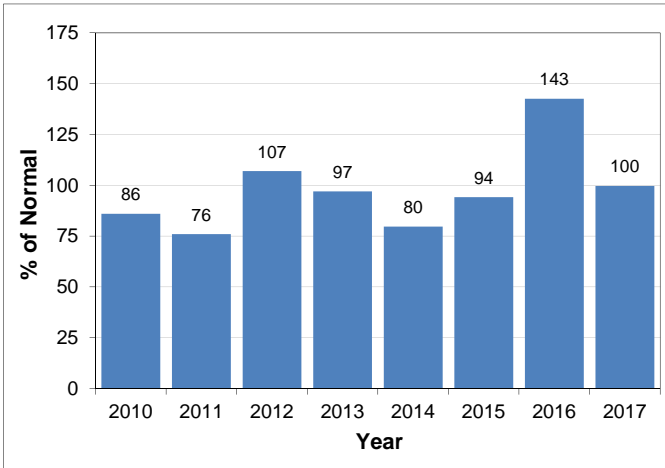


Boundary

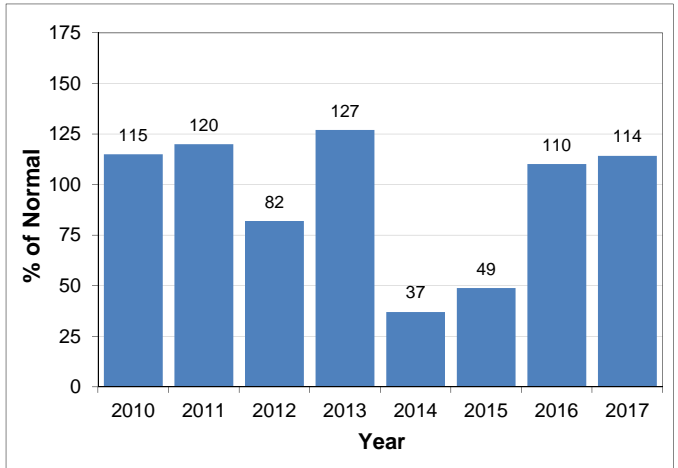


Snow Basin Index Graphs - January 1, 2017

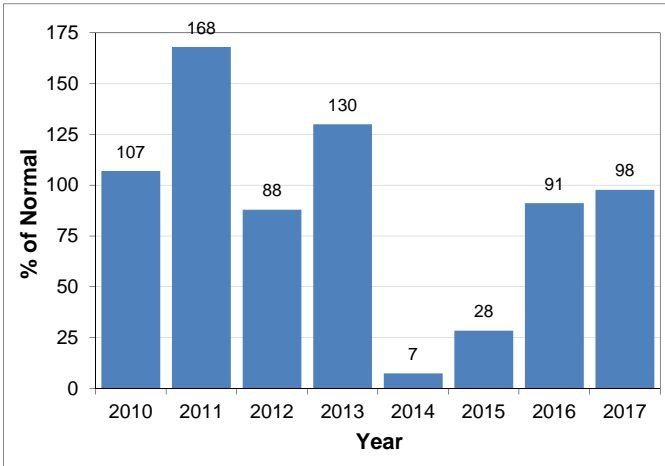
Similkameen



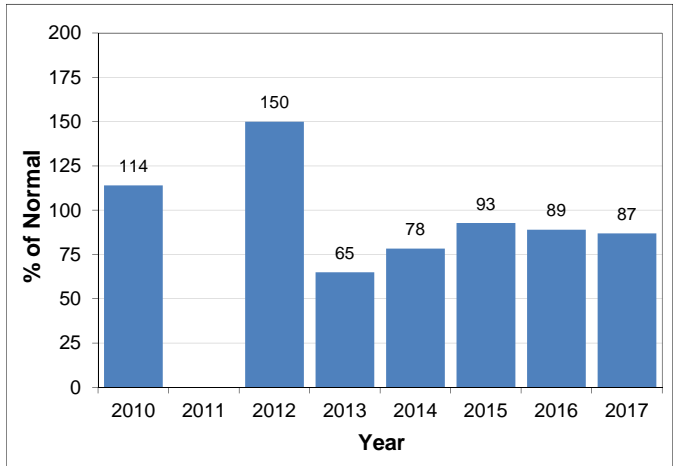
South Coast



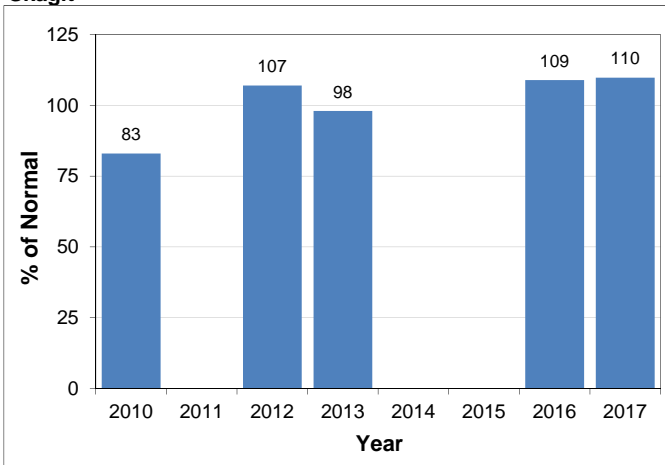
Vancouver Island



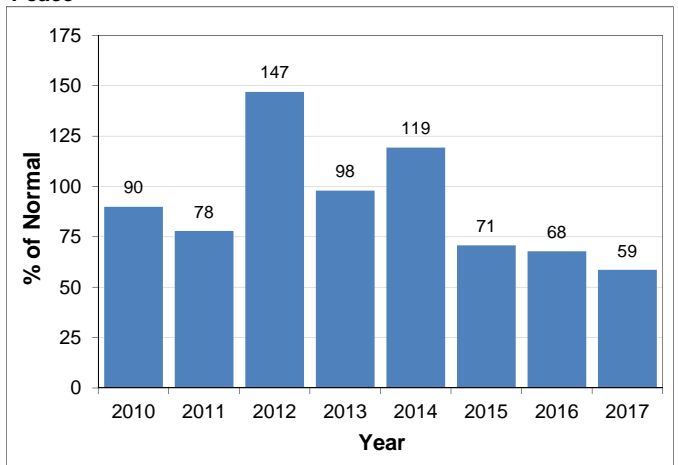
Central Coast



Skagit

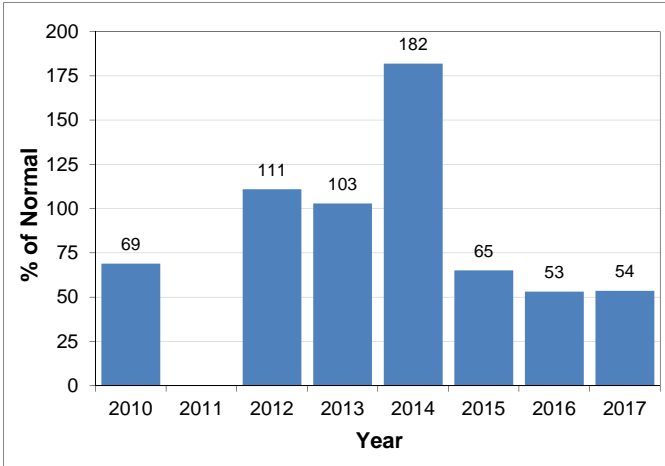


Peace

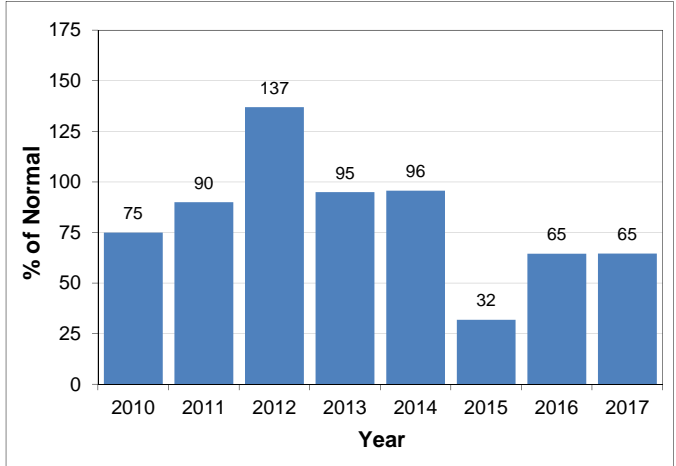


Snow Basin Index Graphs - January 1, 2017

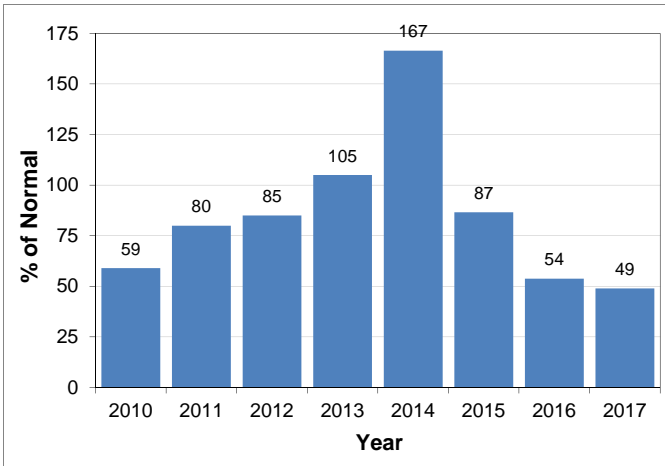
Stikine



Skeena-Nass



Liard



Northwest

