

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

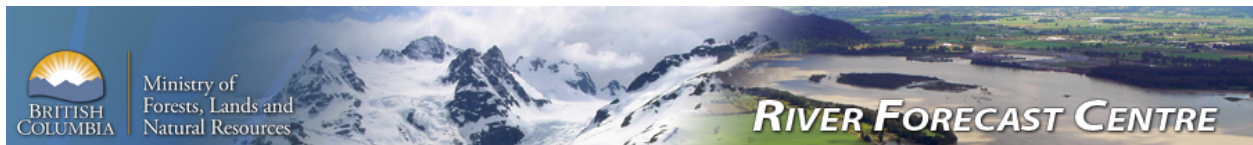
*Note January 1st snow basin index values are based on limited observation points

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

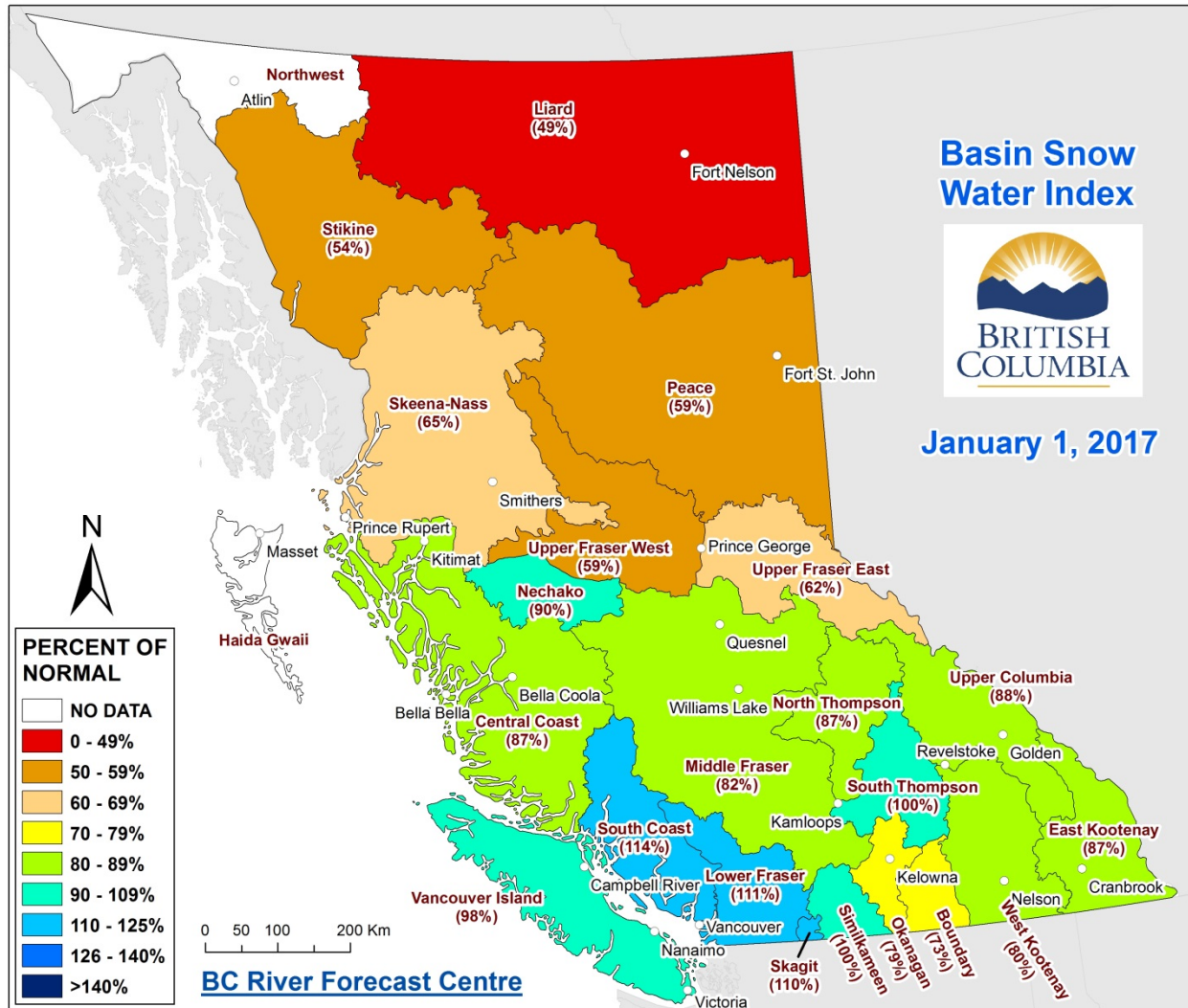


Ministry of
Forests, Lands and
Natural Resources

RIVER FORECAST CENTRE

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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 Tyauhton	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

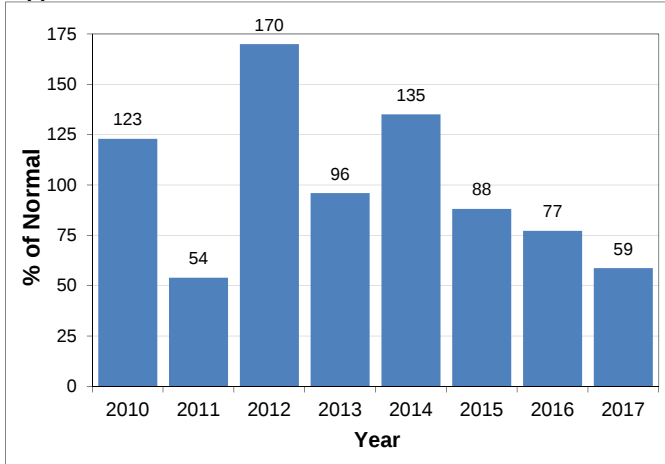
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS				546	734	587	5
3B17P	Wolf River Upper	Vancouver Island	1422	2017-01-01		518		93%	582	292	43	1057	555	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2016-12-30	149	310		118%	230	116	0	774	262	23
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	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	TRYGVE 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

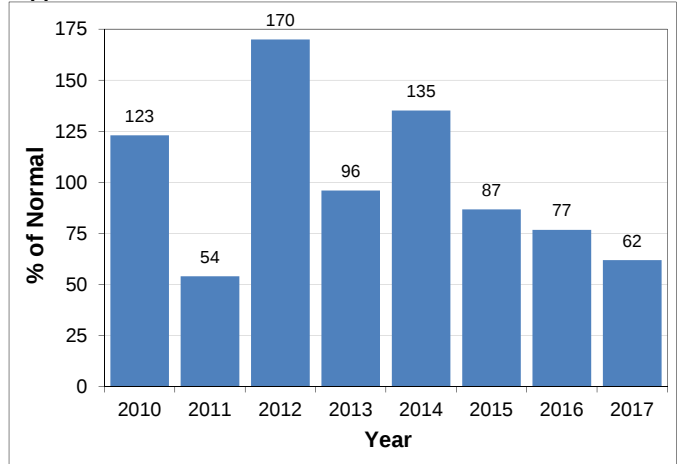
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - January 1, 2017

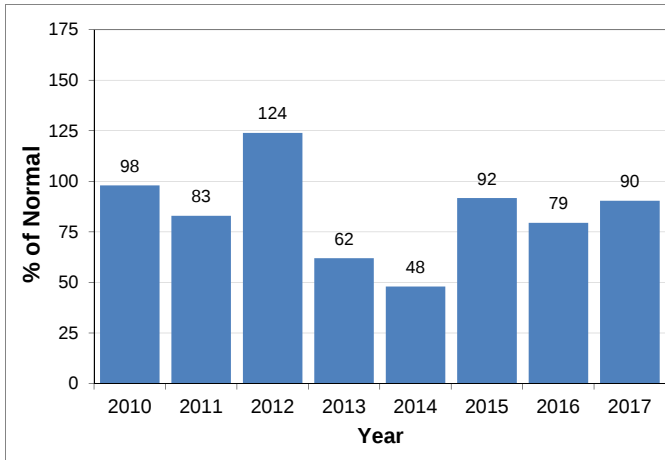
Upper Fraser West



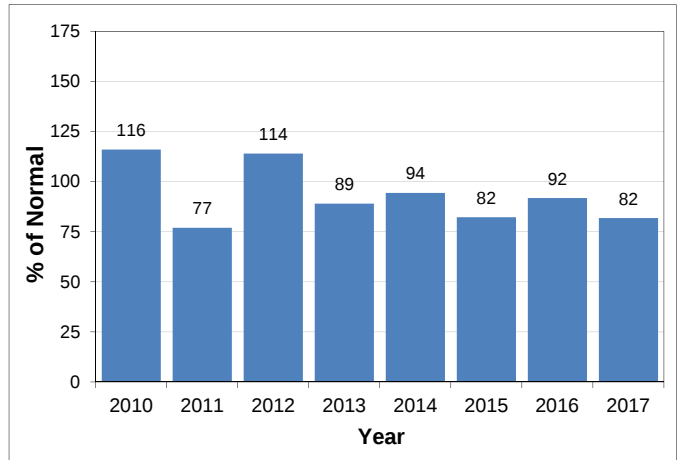
Upper Fraser East



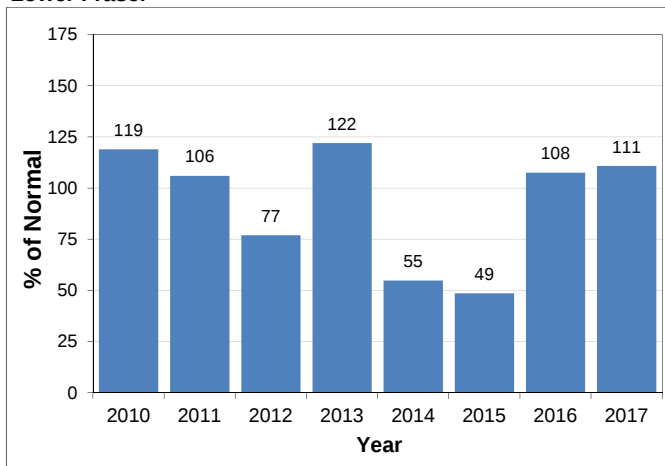
Nechako



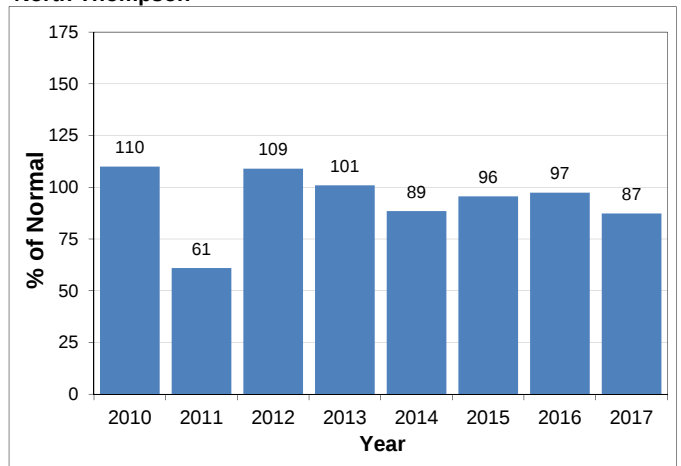
Middle Fraser



Lower Fraser

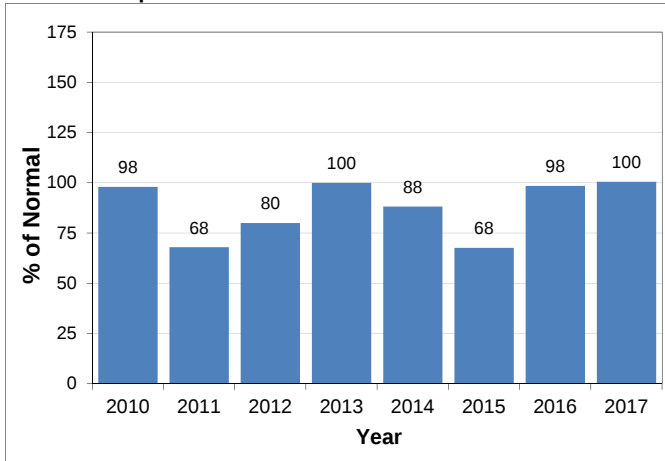


North Thompson

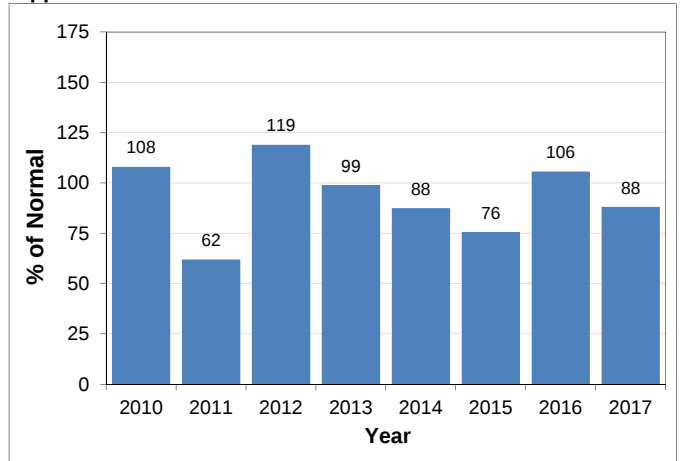


Snow Basin Index Graphs - January 1, 2017

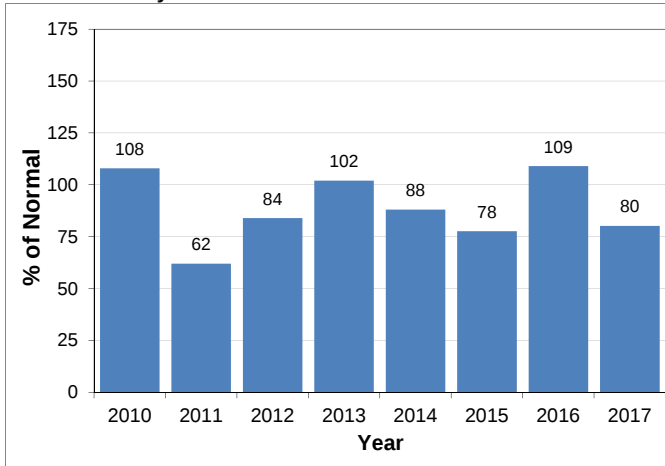
South Thompson



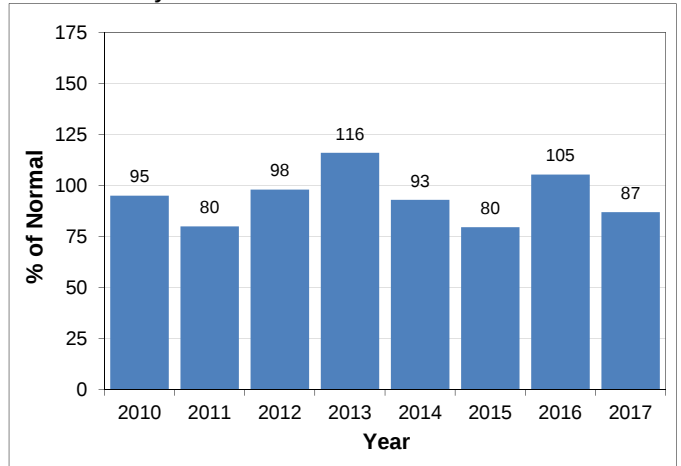
Upper Columbia



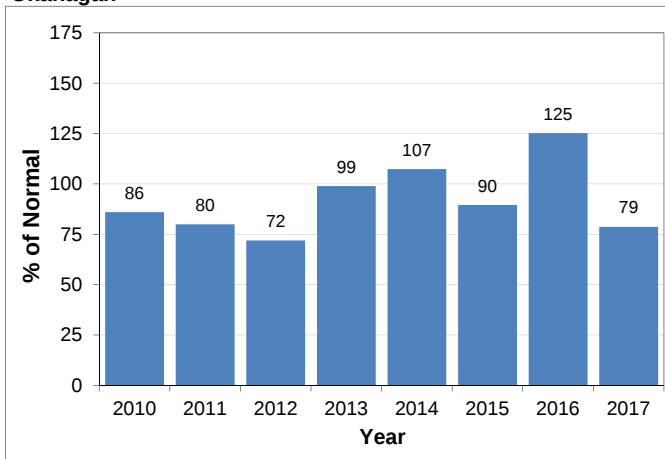
West Kootenay



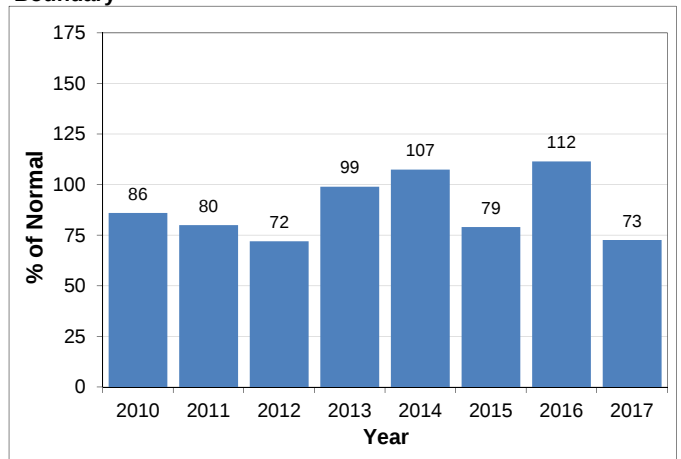
East Kootenay



Okanagan

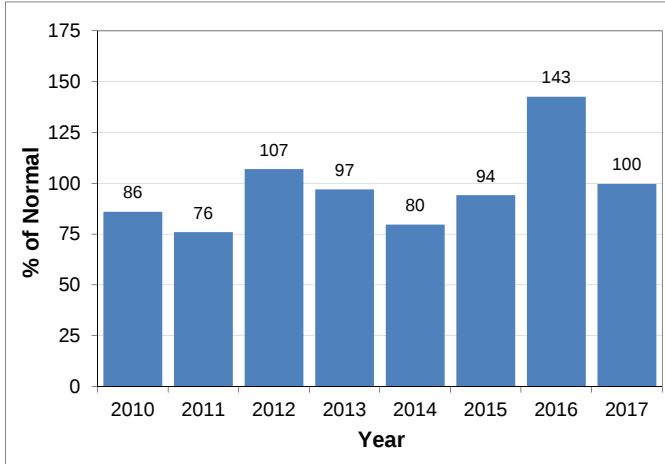


Boundary

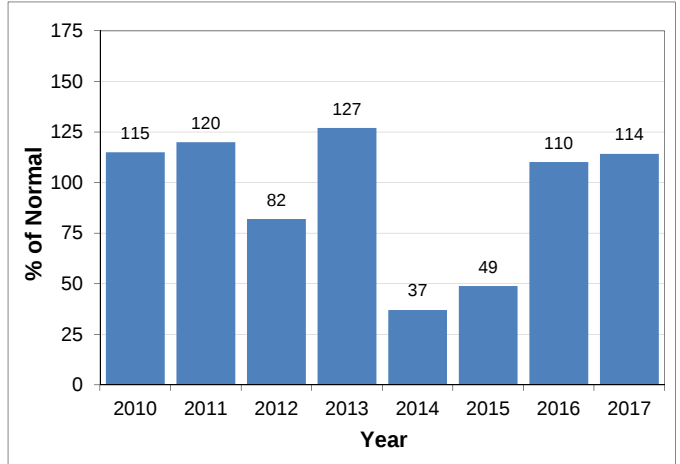


Snow Basin Index Graphs - January 1, 2017

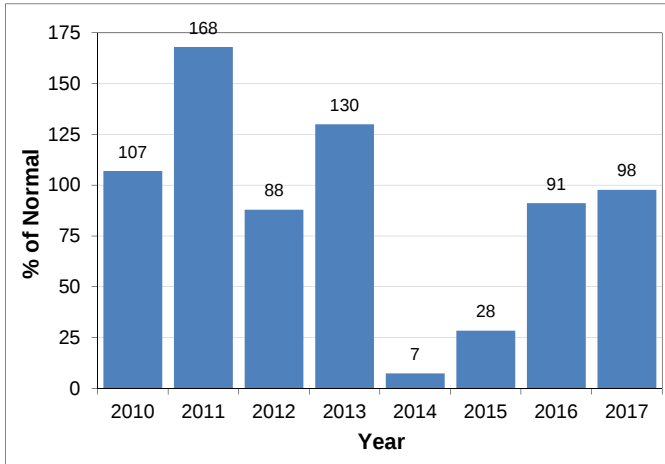
Similkameen



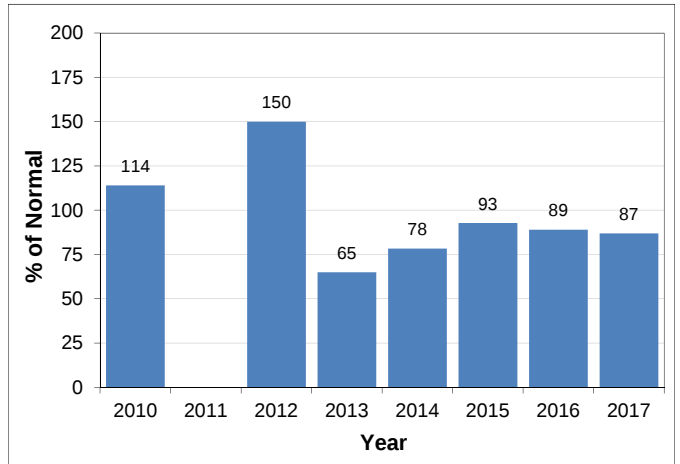
South Coast



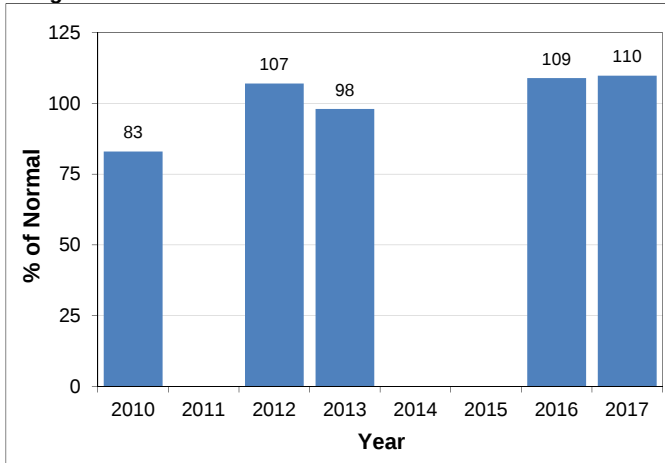
Vancouver Island



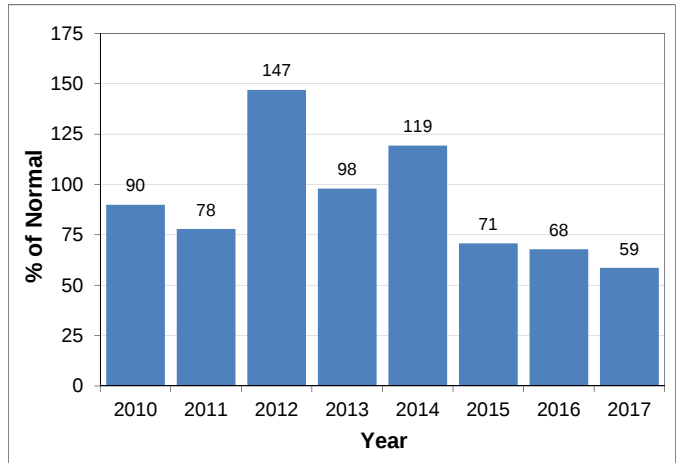
Central Coast



Skagit

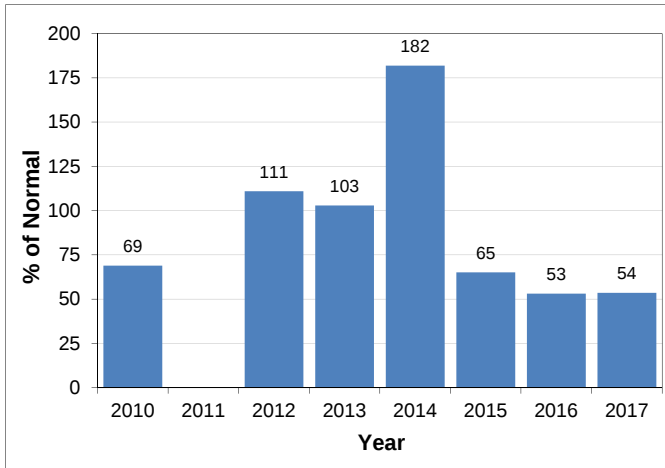


Peace

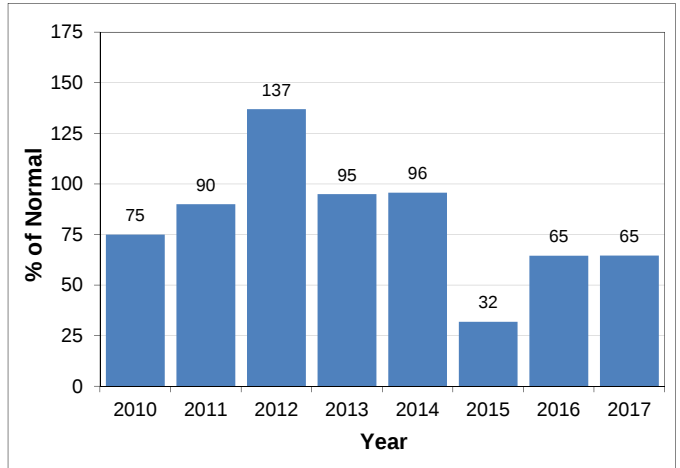


Snow Basin Index Graphs - January 1, 2017

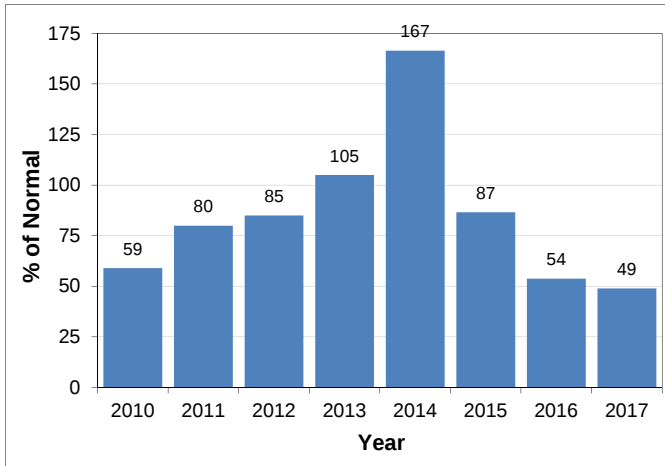
Stikine



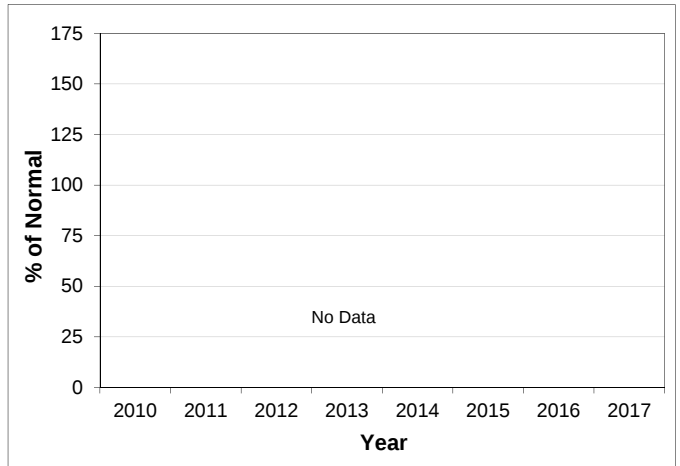
Skeena-Nass

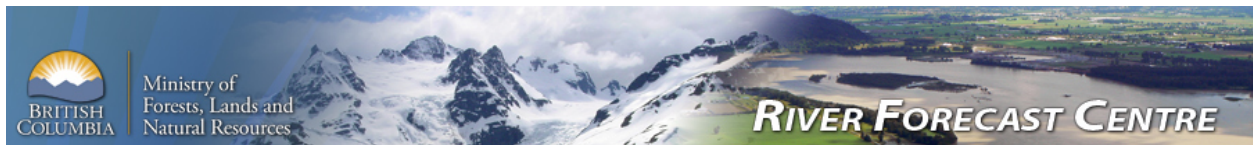


Liard



Northwest





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

The February 1st snow survey is now complete. Data from 109 snow courses and 65 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

Early January featured periods of persistent Arctic air leading to cold and dry conditions across British Columbia. A shift in flow patterns in mid-January led to a dramatic change in conditions, bringing an atmospheric river event that delivered warm and wet weather to the province. This led to elevated freezing levels and melting of low elevation snow which had been in place since early December. Late-January featured a mix of high and low pressure systems that alternated between dry weather and unsettled periods with light to moderate precipitation.

January temperatures were 0.5 to 3°C below-normal through most of southern and south-east BC, and 0.5 to 3°C above normal through most of northern BC, and well above-normal in north-east BC. January was a dry month across the province, with below-normal precipitation across most of the province and well below-normal precipitation in southern and north-east BC.

Snowpack

In general, snow basin indices have remained relatively stable since January 1st, with declining indices in south-west and south-east BC, and increases in the Skeena-Nass, Upper Fraser and Peace. Snow basin indices for February 1st 2017 range from a low of 49% of normal in the Liard to a high of 101% in the Nechako (Table 1 and Figure 1). The province has below-normal snowpack for February 1st, with the average of all snow measurements at 79%. This is down slightly from the provincial average of 82% in January. Well below-normal snowpack (<65%) is present in the Boundary, Stikine and Liard. It is worth noting that both the Stikine and Liard indices are based on limited snow measurements, and low index values may therefore not be fully representative of conditions in these watersheds. Slightly below-normal snowpacks (65-80%) are present in the Upper Fraser, West Kootenay, East Kootenay, Okanagan, Similkameen, Peace and Skeena-Nass. Near-normal snowpacks (80-105%) are present throughout the rest of the province. The February basin index for the entire Fraser River basin is 84%.

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.

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

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

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	74	Boundary	59
Upper Fraser East	65	Similkameen	73
Nechako	101	South Coast	95
Middle Fraser	81	Vancouver Island	81
Lower Fraser	97	Central Coast	89
North Thompson	86	Skagit	99
South Thompson	87	Peace	67
Upper Columbia	81	Skeena-Nass	77
West Kootenay	73	Stikine	57
East Kootenay	75	Liard	49
Okanagan	79	Northwest	NO DATA

Outlook

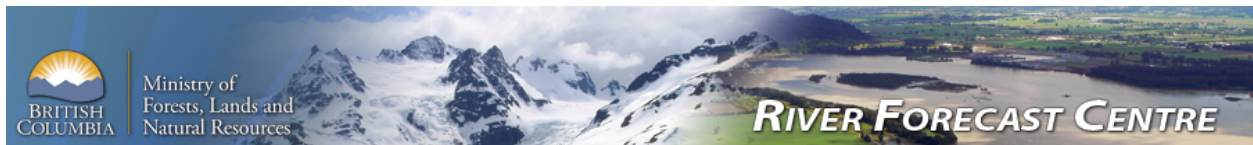
La Niña conditions in the equatorial Pacific Ocean are marginal, and the Climate Prediction Centre (CPC) at the U.S. National Weather Service/NOAA is forecasting a high likelihood of neutral ENSO conditions occurring through February and into the spring. Seasonal forecasts from Environment and Climate Change Canada are indicating an increased likelihood of near normal temperatures across most of British Columbia over the February to April period. Short-to-medium term forecasts are suggesting colder temperatures through the week and a transition to warmer than normal conditions into the middle of February.

Seasonal volume runoff forecasts (see below) are near normal for most basins across the province with below-normal seasonal runoff forecasted for the Kalamalka-Wood basin.

By early February, two-thirds of the annual BC snowpack has typically accumulated. At this stage in the season there is limited indication that any region of the province is developing increased seasonal flood risk due to high snowpack. While snowpack is an important factor in seasonal flooding, weather during the melt season, such as hot temperatures causing rapid snowmelt, or extreme rainfall events, can also create flood risk.

Lower than normal snowpacks in the Stikine, Liard, Peace, Upper Fraser and Boundary indicate the potential for increased risk of low flows this summer.

With two to three months remaining in the snow accumulation season, changes to the seasonal runoff outlook are possible, but at this stage would require extremely wet conditions to make a significant impact on seasonal flood risk. In most regions of the province, spring and summer weather is a key driver for low summer streamflow.



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

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

BC River Forecast Centre
February 7, 2017

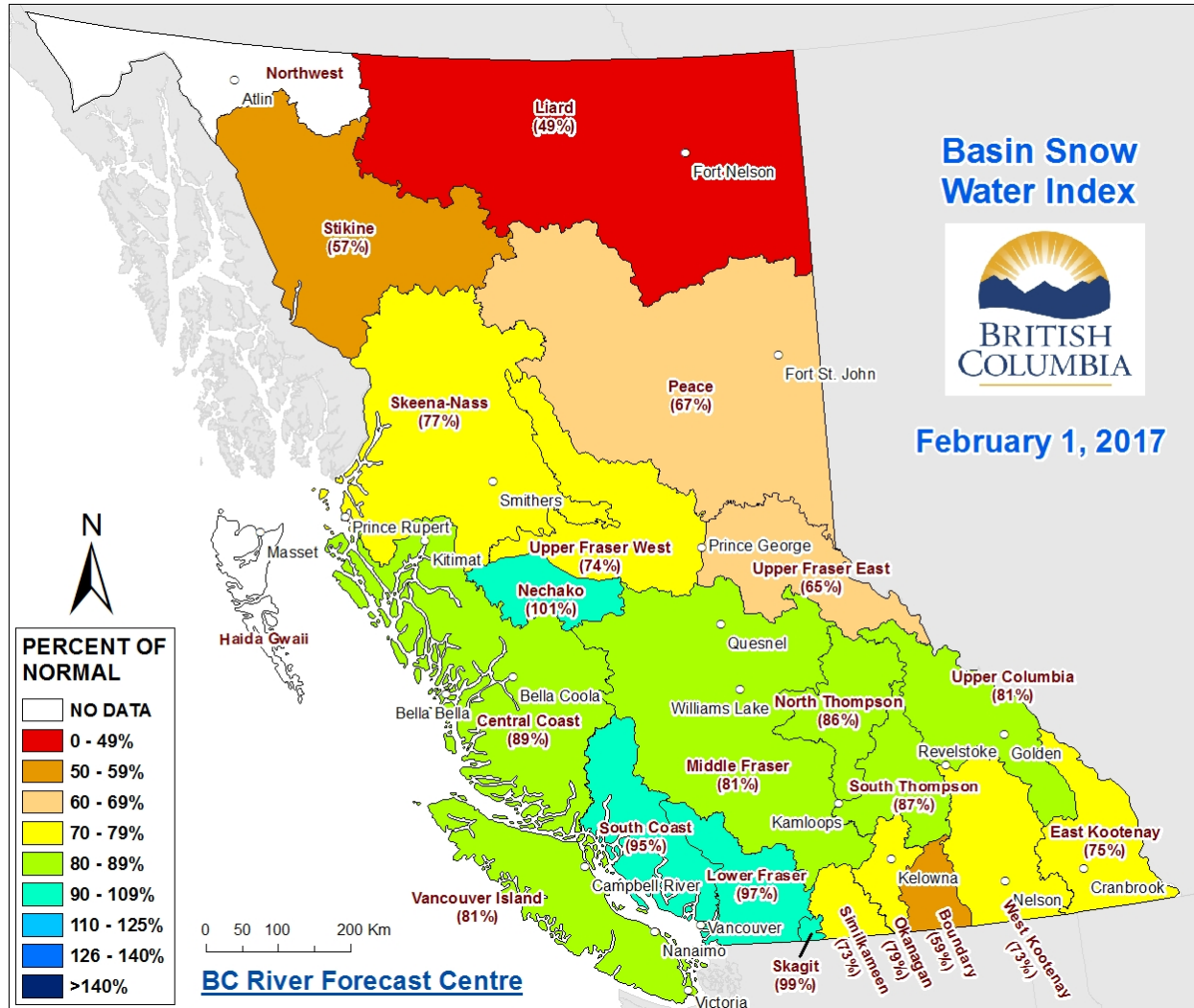


Ministry of
Forests, Lands and
Natural Resources

RIVER FORECAST CENTRE

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

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



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2017 Automated Snow Weather Station/Manual Snow Survey Data				February					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	2017-02-01		258		65%	322	337	233	596	396	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-02-01	99	212		69%	248	368	195	522	306	25
1A03P	Barkerville	Upper Fraser East	1483	2017-02-01	80	168		79%	173	245	116	368	214	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	2017-01-31	137	346		62%	426		236	1042	559	45
1A05P	Longworth Upper	Upper Fraser East	1740	2017-02-01	143	296								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS				112	326	180	20
1A10	PRINCE GEORGE A	Upper Fraser East	684	2017-01-30	20	44		46%	106	124	0	224	96	55
1A11	PACIFIC LAKE	Upper Fraser East	756	2017-01-31	99	312		73%	221	307	165	679	430	49
1A12	KAZA LAKE	Upper Fraser West	1247	2017-01-30	72	147		61%	161	217	125	440	240	49
1A12P	Kaza Lake	Upper Fraser West	1248	2017-02-01	87	169			164		136	136		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-02-01					282	414	214	934	524	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	2017-01-31	135	367		66%	362	523	284	899	554	46
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-02-01	143	445								0
1A16	BURNS LAKE	Upper Fraser West	820	2017-02-01	27	60		54%	70	156	44	232	111	47
1A17P	Revolution Creek	Upper Fraser East	1676	2017-02-01	153	330		57%	461	532	295	1042	574	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-02-01	122	308		61%	378	519	298	853	501	11
1A23	BIRD CREEK	Upper Fraser West	1196	2017-02-01	39	82		80%	108	220	56	220	103	27
1B01	MOUNT WELLS	Nechako	1489	2017-01-31	128	364		100%	267	466	188	606	365	33
1B01P	Mount Wells	Nechako	1489	2017-02-01		408		99%	290	484	210	656	411	25
1B02	TAHTSA LAKE	Nechako	1319	2017-01-30	276	875		103%	612	773	508	1442	853	65
1B02P	Tahtsa Lake	Nechako	1319	2017-02-01		979		105%	789	730	464	1532	929	25
1B05	SKINS LAKE	Nechako	877	2017-01-31	25	67		81%	89	146	35	224	83	50
1B06	MOUNT SWANNELL	Nechako	1596	2017-02-01	85	199		94%	178	353	88	353	211	28
1B07	NUTLI LAKE	Nechako	1502	2017-01-31	143	414		110%	262	404	218	729	378	26
1B08P	Mount Pondosy	Nechako	1413	2017-02-01		655		113%	460	689	273	877	578	25
1C01	BROOKMERE	Middle Fraser	994	NS	NS	NS	NS				41	297	142	46
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2017-01-30	121	346		87%	280	269	150	645	397	65
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS			40	0	130	49	38
1C08	NAZKO	Middle Fraser	1029	2017-02-01	20	38		67%	51	103	6	132	57	40
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS	NS	NS	NS				20	188	67	26
1C12P	Green Mountain	Middle Fraser	1766	2017-02-01		409		66%	603	466	278	985	620	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	NS	NS	NS	NS				204	475	310	12
1C14	BRALORNE	Middle Fraser	1382	2017-01-30	38	92		74%	190	73	0	338	125	46
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-01-28	65	160		72%	244	175	92	384	221	55
1C18P	Mission Ridge	Middle Fraser	1903	2017-02-01		341		86%	300	237	185	794	398	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS	NS	NS	NS				18	198	76	25
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-02-01	103	271		66%	414	388	255	611	411	23

1C21	BIG CREEK	Middle Fraser	1130	2017-01-27	15	16		33%	54	80	0	94	49	45
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	2017-01-30	17	32		62%	44	84	0	126	52	46
1C23	PENFOLD CREEK	Middle Fraser	1687	NS	NS	NS	NS				525	663	663	3
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	2017-01-31	52	117		119%	154	86	13	177	98	44
1C28	DUFFEY LAKE	Middle Fraser	1253	NS	NS	NS	NS						0	1
1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456	2017-01-31	53	130		77%	163	146	48	307	169	36
1C32	DEADMAN RIVER	Middle Fraser	1463	NS	NS	NS	NS				50	130	81	8
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	2017-01-31	38	79		57%	140	157	97	175	139	11
1C37	BRALORNE(UPPER)	Middle Fraser	1980	2017-01-30	141	416		96%		372	178	724	434	22
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	2017-01-30	176	588		91%	650	564	208	980	646	22
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-02-01		537			616		451	451		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2017-01-30	138	416		94%	422	346	112	688	444	22
1C40	TYAUGHTON	Middle Fraser	1946	2017-01-30	87	244		74%	230	254	128	654	331	21
1C40P	North Tyauhton	Middle Fraser	1969	2017-02-01		211			221		174	174		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-02-01	127	405		72%	493	591	312	803	565	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	NS	NS	NS	NS							
1D06P	Tenquille Lake	Lower Fraser	1669	2017-02-01	390	712		101%	735	584	344	1092	708	16
1D08	STAVE LAKE	Lower Fraser	1211	2017-02-01	212	815		93%	715	261	163	2010	881	48
1D09	WAHLEACH LAKE	Lower Fraser	1395	2017-02-01	82	286		79%	271	38	33	665	364	50
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-02-01		338		52%	401	246	246	1061	644	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530	2017-02-01	193	765		92%	794	387	262	1359	833	45
1D16	DICKSON LAKE	Lower Fraser	1147	2017-02-01	216	950		103%	576	122	122	1538	918	24
1D17P	Chilliwack River	Lower Fraser	1621	2017-02-01	169	750		76%	991	550	368	1659	992	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-02-01	193	797		74%	832	328	300	1902	1074	18
1E01B	BLUE RIVER	North Thompson	673	2017-01-26	72	202		82%	230	216	98	380	245	32
1E02P	Mount Cook	North Thompson	1574	2017-02-01	202	642		72%	942	840	684	1098	890	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	NS	NS	NS	NS						0	
1E05	KNOUFF LAKE	North Thompson	1189	2017-01-31	35	82		75%	105	122	38	229	109	61
1E07	ADAMS RIVER	North Thompson	1769	2017-01-27	136	450		98%	580	291	285	654	457	36
1E08P	Azure River	North Thompson	1625	2017-02-01	206	722		89%	730	801	506	1043	814	20
1E10P	Kostal Lake	North Thompson	1760	2017-02-01		509		83%	593	567	417	790	611	32
1E14P	Cook Creek	North Thompson	1280	2017-02-01	99				0		0	0		1
1F01A	ABERDEEN LAKE	South Thompson	1262	2017-01-27	44	108		101%	151	180	48	193	107	60
1F02	ANGLEMONT	South Thompson	1168	2017-02-01	67	167		61%	217	254	130	483	272	58
1F03P	Park Mountain	South Thompson	1857	2017-02-01	118				532	537	331	867	593	32
1F04P	Enderby	South Thompson	1950	2017-02-01	179	607								0
1F06P	Celista Mountain	South Thompson	1533	2017-02-01	136	421		65%	679	584	506	788	643	12
2A01A	CANOE RIVER	Upper Columbia	866	2017-02-02	38	72		97%	128	124	17	140	74	42
2A02	GLACIER	Upper Columbia	1249	2017-01-30	97	289		62%	467	419	241	828	468	76
2A03A	FIELD	Upper Columbia	1310	2017-01-26	45	87		71%	119	144	46	233	123	77
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-02-01		695		85%	810	687	464	1190	819	24
2A07	KICKING HORSE	Upper Columbia	1648	2017-01-26	65	131		58%	178	201	102	384	227	70

2A11	BEAVERFOOT	Upper Columbia	1924	2017-02-01	54	118	A	83%	170	142	78	244	142	67
2A14	MOUNT ABBOT	Upper Columbia	2031	2017-01-30	199	692		84%	810	684	396	1209	822	58
2A16	GOLDSTREAM	Upper Columbia	1914	2017-01-31	208	708		87%	736	816	460	1136	816	50
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2017-01-30	189	638		75%	733	705	430	1376	854	54
2A18	KEYSTONE CREEK	Upper Columbia	1839	2017-01-30	149	485		89%	534	548	290	866	548	50
2A18P	Keystone Creek	Upper Columbia	1850	2017-02-01		608			638		475	475		1
2A19	VERMONT CREEK	Upper Columbia	1533	2017-02-01	88	252	A	88%	350	216	102	574	287	50
2A21P	Molson Creek	Upper Columbia	1930	2017-02-01		619		82%	632	604	417	1155	759	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	2017-01-31	168	559		89%	541	613	348	886	629	50
2A23	BUSH RIVER	Upper Columbia	1982	2017-01-31	163	525		91%		528	292	902	577	49
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2017-01-31	215	739		89%	844	843	381	1472	827	45
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2017-01-31	110	324		65%	480		256	740	501	40
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2017-01-31	225	804		83%			335	1422	965	39
2A30P	Colpitti Creek	Upper Columbia	2131	2017-02-01		523			515		403	403		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-02-01		570			619		465	465		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-02-01		325			334		271	271		1
2B02A	FARRON	Lower Columbia	1229	2017-01-30	72	178		81%	275	174	63	346	219	44
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	2017-01-30	91	242		51%	428		249	759	475	48
2B06P	Barnes Creek	Lower Columbia	1595	2017-02-01		150		41%	377	348	195	566	369	24
2B07	KOCH CREEK	Lower Columbia	1813	2017-01-30	144	418		84%	569		203	708	497	56
2B08P	St. Leon Creek	Lower Columbia	1822	2017-02-01		579		75%	738	692	311	1130	767	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-01-29	156	440		91%	585	306	117	802	481	41
2C01	SINCLAIR PASS	East Kootenay	1374	NS	NS	NS	NS				33	208	77	45
2C04	SULLIVAN MINE	East Kootenay	1580	2017-01-26	60	128		68%	192	108	46	397	187	71
2C07	FERNIE EAST	East Kootenay	1213	2017-01-28	61	158		75%	156	166	51	467	212	65
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-02-01		249		54%	439	280	173	886	463	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-02-01	69	216		76%	285	192	104	518	286	38
2C14P	Floe Lake	East Kootenay	2110	2017-02-01		457		97%	434	409	221	746	471	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	2017-02-01	117	336		96%	325	371	140	592	351	48
2C16	MOUNT JOFFRE	East Kootenay	1763	2017-02-01	60	146	A	61%	257	215	96	439	240	47
2C17	THUNDER CREEK	East Kootenay	2062	2017-02-02	58	134	A	77%	232	137	69	335	175	46
2D02	FERGUSON	West Kootenay	929	2017-02-01	101	280		69%	440	397	237	616	407	44
2D03	SANDON	West Kootenay	1072	NS	NS	NS	NS				328	328	0	3
2D04	NELSON	West Kootenay	952	2017-01-30	58	142		54%	208	167	79	508	264	79
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	2017-01-31	70	185		61%	310	231	127	511	304	68
2D06	CHAR CREEK	West Kootenay	1290	2017-01-28	88	218		59%	317	222	117	650	371	51
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	2017-01-30	39	104		79%	68	140	60	283	132	26
2D08P	East Creek	West Kootenay	2004	2017-02-01		518		84%	692	522	274	1012	616	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	2017-01-30	194	605		86%			409	1115	701	49
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	2017-01-31	128	413		83%	514	411	268	792	497	48
2D14P	Redfish Creek	West Kootenay	2086	2017-02-01	257	791		96%	990	869	667	1067	821	15
2E01	MONASHEE PASS	Kettle	1387	2017-01-30	49	103		44%	238		122	364	236	57

2E02	CARMI	Kettle	1254	NS	NS	NS	NS				51	196	97	29
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2017-02-01	82	179		56%	379	280	178	483	322	49
2E07P	Grano Creek	Kettle	1874	2017-02-01		245		74%	414	274	156	476	330	19
2F01A	TROUT CREEK (West)	Okanagan	1430	N	N	N	N		153	145	93	212	147	7
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	N	N	N	N		196	189	65	307	156	53
2F03	MC CULLOCH	Okanagan	1266	2017-01-30	46	91		78%	91	144	63	196	117	80
2F04	GRAYSTOKE LAKE	Okanagan	1818	N	N	N	N		268		128	324	219	17
2F05P	Mission Creek	Okanagan	1794	2017-02-01		200		63%	353	287	164	503	320	47
2F07	POSTILL LAKE	Okanagan	1358	2017-02-03	44	97		70%	174	140	73	243	138	67
2F08P	Greyback Reservoir	Okanagan	1550	2017-02-01	40	119								0
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2017-01-28	98	274		75%	539	275	135	693	366	45
2F10P	Silver Star Mountain	Okanagan	1839	2017-02-01	136	359			483		344	344		1
2F11	ISINTOK LAKE	Okanagan	1651	N	N	N	N		110	127	26	307	109	51
2F12	MOUNT KOBAL	Okanagan	1817	2017-01-29	89	204		104%	295	181	43	400	196	50
2F13	ESPERON CR (UPPER)	Okanagan	1634	NS	NS	NS	NS				156	457	156	6
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	NS	NS	NS	NS				146	399	208	12
2F18P	Brenda Mine	Okanagan	1453	2017-02-01		159		64%	312	207	148	368	249	24
2F19	OOYAMA LAKE	Okanagan	1365	2017-02-01	45	80		67%	131	90	31	193	119	48
2F20	VASEUX CREEK	Okanagan	1403	2017-01-29	32	54		62%	140	104	44	208	87	29
2F21	BOULEAU LAKE	Okanagan	1405	NS	NS	NS	NS				168	396	216	10
2F23	MACDONALD LAKE	Okanagan	1742	NS	NS	NS	NS		408		132	411	273	18
2F24	ISLAHT LAKE	Okanagan	1492	2017-02-01	70	119		53%	180	182	123	364	225	34
2F25	POSTILL LAKE UPPER	Okanagan	1500	N	N	N	N		210	139	120	210		5
2G03P	Blackwall Peak	Similkameen	1934	2017-02-01	125	398		72%	624	471	158	1076	553	49
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	2017-01-26	52	108	B	78%	183	176	70	335	139	56
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	2017-01-26	52	106	B	74%	149	131	60	284	144	55
2G06	HAMILTON HILL	Similkameen	1477	2017-01-27	61	150	B	70%	144	174	91	411	213	57
3A01	GROUSE MOUNTAIN	South Coast	1126	2017-01-30	229	988		130%	648	90	50	1530	761	67
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS	NS	NS	NS						0	
3A05	POWELL RIVER (LOWER)	South Coast	882	NS	NS	NS	NS				620	620	620	3
3A09	PALISADE LAKE	South Coast	898	NS	NS	NS	NS				318	914	616	4
3A10	DOG MOUNTAIN	South Coast	1007	2017-01-31	195	842		118%	598	77	77	1243	715	33
3A19	ORCHID LAKE	South Coast	1178	2017-02-01	249	998		90%	1000	273	273	1855	1114	39
3A20	CALLAGHAN CREEK	South Coast	1009	N	N	N	N		570	160	50	1040	542	34
3A22P	Nostetuko River	South Coast	1457	2017-02-01	75	266		72%	393	264	120	780	368	28
3A24P	Mosley Creek Upper	South Coast	1655	2017-02-01	62	198		82%	190	237	106	509	242	28
3A25P	Squamish River Upper	South Coast	1387	2017-02-01		858		79%	1016	566	503	1543	1087	27
3A26	CHAPMAN CREEK	South Coast	1022	2017-02-01	229	830		388%			540	1250	214	7
3A27	EDWARDS LAKE	South Coast	1070	N	N	N	N				410	944	168	5
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2017-01-30	196	791		86%	944	231	42	1640	922	63
3B02A	MOUNT COKELY	Vancouver Island	1267	NS	NS	NS	NS				234	1050	586	7
3B04	ELK RIVER	Vancouver Island	270	2017-01-30	33	102		167%	0	0	0	544	61	61

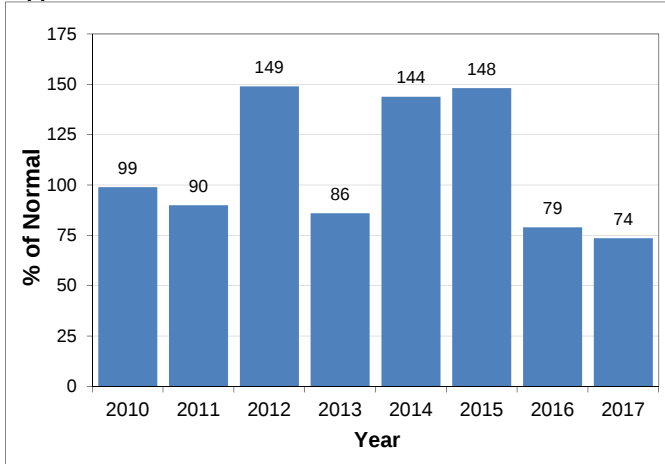
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS				28	1534	285	24
3B17P	Wolf River Upper	Vancouver Island	1422	2017-02-01		689		80%	803	350	162	1383	858	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2017-01-30	104	336		84%	298	41	0	742	400	46
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	2017-01-30	50	178		73%	208	0	0	572	244	46
3B23P	Jump Creek	Vancouver Island	1134	2017-02-01	161	466		76%	366	0	0	1367	616	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-02-01	188	878			859		647	647		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-02-01	148									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	NS	NS	NS	NS				105	497	304	14
3C08P	Burnt Bridge Creek	North Coast	1329	2017-02-01	163	515		89%	460	663	248	1124	577	19
3D01C	SUMALLO RIVER WEST	Skagit	801	2017-02-01	50	182		113%	80	29	0	368	161	25
3D02	LIGHTNING LAKE	Skagit	1254	NS	NS	NS	NS				67	242	154	5
3D03A	KLESILKWA	Skagit	1134	2017-02-01	44	153		85%	140	10	0	508	180	69
4A02P	Pine Pass	Peace	1386	2017-02-01	194	525		70%	529	555	363	1250	745	28
4A03	WARE (UPPER)	Peace	1563	2017-01-29	59	130		71%	114	152	90	289	184	54
4A03P	Ware Upper	Peace	1565	2017-02-01	58	130								0
4A04	WARE (LOWER)	Peace	969	N	N	N	N		122	146	63	286	143	54
4A04P	Ware Lower	Peace	971	2017-02-01	47	89								0
4A05	GERMANSEN (UPPER)	Peace	1489	2017-01-30	66	144		61%	189	252	140	371	237	50
4A06	TUTIZZI LAKE	Peace	1043	2017-01-30	54	95		51%	122	174	106	348	186	49
4A07	LADY LAURIER LAKE	Peace	1460	2017-01-28	110	275		75%	224	325	194	679	369	49
4A09	PULPIT LAKE	Peace	1331	2017-01-29	91	208		67%	231	263	152	530	312	49
4A09P	Pulpit Lake	Peace	1331	2017-02-01	81	183		56%	182	274	133	405	324	27
4A10	FREDRICKSON LAKE	Peace	1323	2017-01-29	57	105		59%	105	196	93	309	179	49
4A11	TRYGVE LAKE	Peace	1409	2017-01-29	87	175		66%	160		119	434	264	49
4A12	TSAYDAYCHI LAKE	Peace	1173	N	N	N	N		217		146	507	277	50
4A13	PHILIP LAKE	Peace	1013	N	N	N	N		173		118	355	199	50
4A16	MORFEE MOUNTAIN	Peace	1427	2017-01-30	134	373		62%	385		265	952	597	49
4A18	MOUNT SHEBA	Peace	1480	2017-01-31	164	447		79%	423		299	932	566	48
4A20	MONKMAN CREEK	Peace	1566	2017-01-31	119	344		91%	220		163	775	376	41
4A21	MOUNT STEARNS	Peace	1514	2017-01-28	52	117		114%	46		40	196	103	43
4A25	FORT ST. JOHN A	Peace	692	2017-01-31	33	72		90%	58		22	154	80	42
4A27P	Kwadacha North	Peace	1554	2017-02-01	81	137								0
4A30P	Aiken Lake	Peace	1061	2017-02-01	56	122		63%	111	172	90	330	193	32
4A31P	Crying Girl Prairie	Peace	1358	2017-02-01		165			100		86	86		1
4A33P	Muskwa-Kechika	Peace	1196	2017-02-01		84			23		23	23		1
4A34P	Dowling Creek	Peace	1456	2017-02-01		661								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	2017-01-30	240	725		109%	403		420	1220	664	63
4B02	JOHANSON LAKE	Skeena-Nass	1480	2017-01-30	71	133		63%	130		108	355	211	49
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	2017-01-30	128	326		90%	210		168	665	361	45
4B04	CHAPMAN LAKE	Skeena-Nass	1485	NS	NS	NS	NS						0	
4B06	TACHEK CREEK	Skeena-Nass	1133	2017-01-31	48	120		77%			99	298	156	19
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	NS	NS	NS	NS				264	264	0	2

4B08	MOUNT CRONIN	Skeena-Nass	1491	NS	NS	NS	NS						0	
4B10	NINGUNSAW PASS	Nass	647	2017-01-31	53	178		57%			171	603	312	41
4B11A	BEAR PASS	Nass	437	2017-01-31	89	270		59%			192	821	455	30
4B12P	Granduc Mine	Skeena-Nass	790	2017-02-01	338	80								0
4B13A	TERRACE A	Skeena-Nass	219	2017-01-31	8	22		17%	84		0	330	128	36
4B14	EQUITY MINE	Skeena-Nass	1434	NS	NS	NS	NS				174	444	265	15
4B15	LU LAKE	Skeena-Nass	1296	NS	NS	NS	NS				134	352	214	15
4B15P	Lu Lake	Skeena-Nass	1308	2017-02-01	74	213		111%	163	322	90	351	192	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-02-01	136	324		53%	262	382	195	878	617	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-02-01		640		77%	423	769	302	1489	827	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-02-01	489	297		61%	233	342	178	856	486	16
4C01	SIKANNI LAKE	Liard	1390	2017-01-29	50	95		49%	106		78	325	193	49
4C01P	Sikanni Lake	Liard	1400	2017-02-01	50	93								0
4C02	SUMMIT LAKE	Liard	1291	2017-02-03	27	60		66%	61		36	146	91	20
4C03	DEASE LAKE	Liard	805	N	N	N	N				36	218	101	51
4C05	FORT NELSON AIRPORT	Liard	368	2017-02-03	23	60		79%	54		35	128	76	50
4C15	JADE CITY	Liard	943	N	N	N	N		106	144	102	260	165	14
4D01	TELEGRAPH CREEK	Stikine	490	NS	NS	NS	NS				51	244	110	22
4D02	ISKUT	Stikine	931	N	N	N	N				30	162	82	41
4D11P	Kinaskan Lake	Stikine	1020	2017-02-01	86	188		65%	130	194	94	194	288	21
4E02B	ATLIN LAKE	Yukon	730	NS	NS	NS	NS							

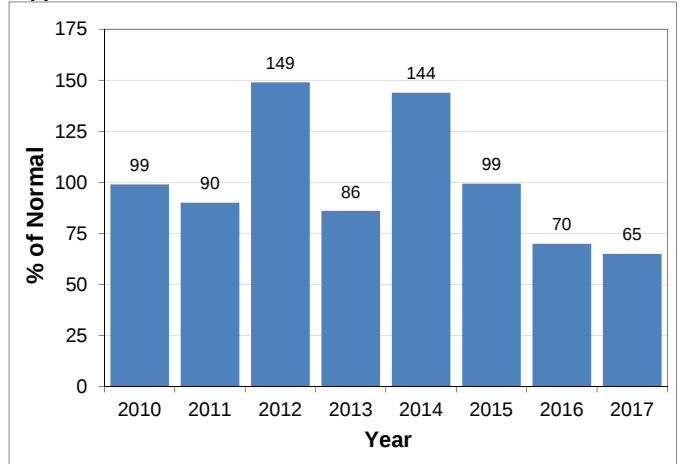
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - February 1, 2017

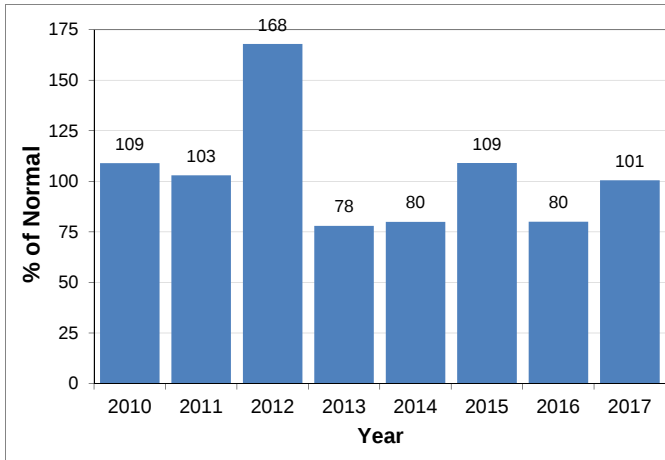
Upper Fraser West



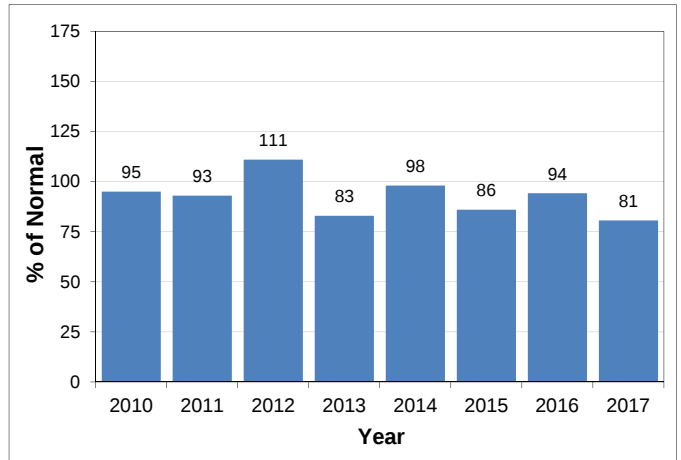
Upper Fraser East



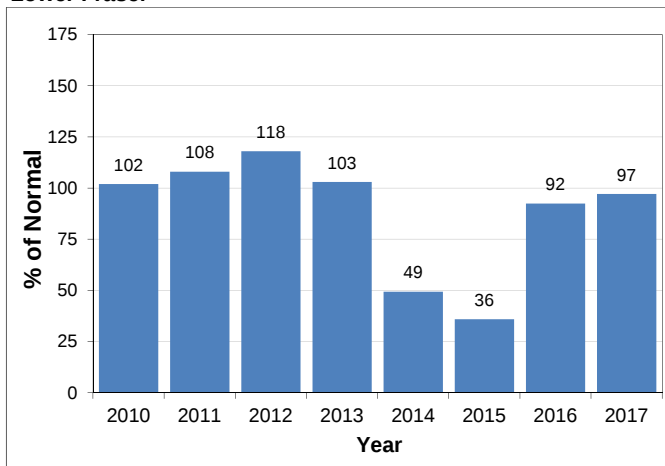
Nechako



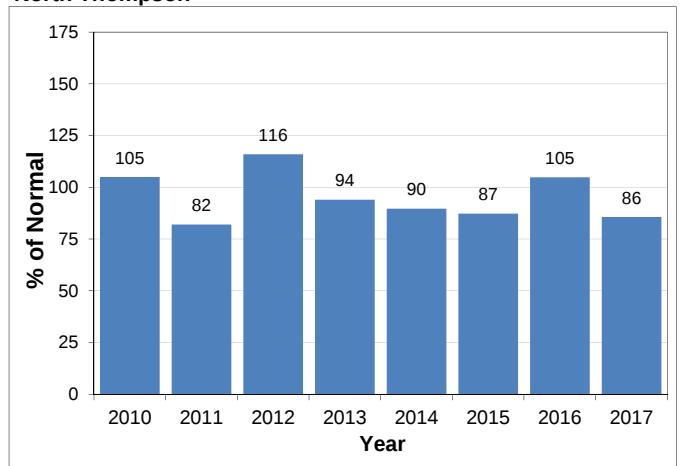
Middle Fraser



Lower Fraser

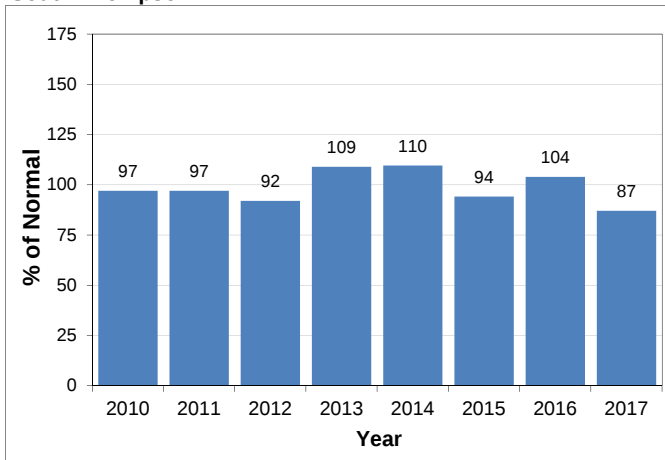


North Thompson

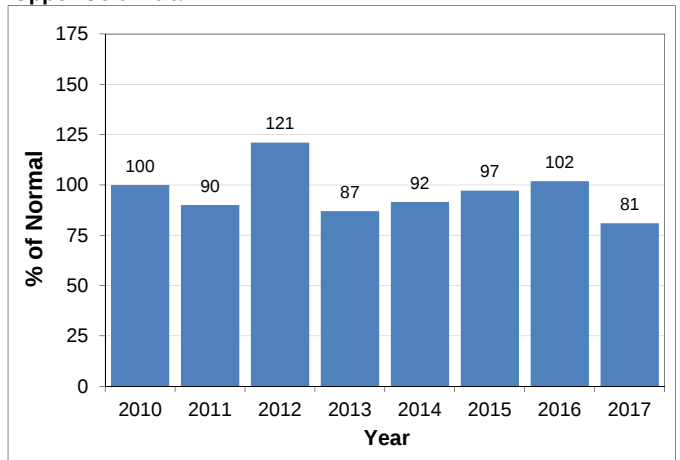


Snow Basin Index Graphs - February 1, 2017

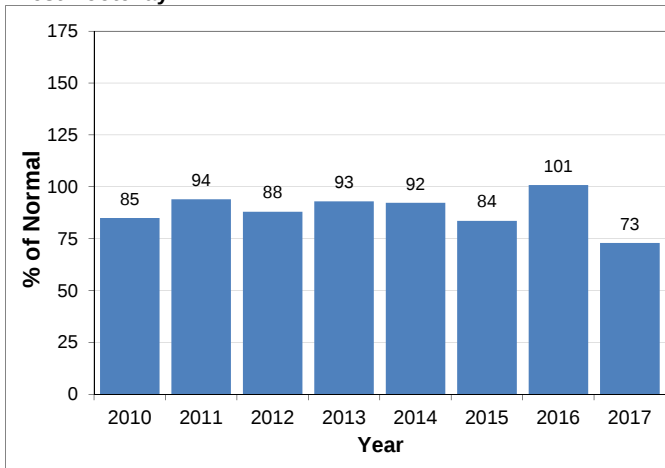
South Thompson



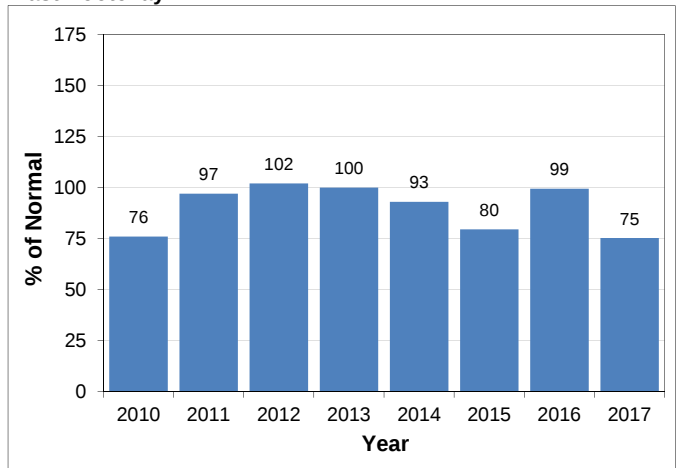
Upper Columbia



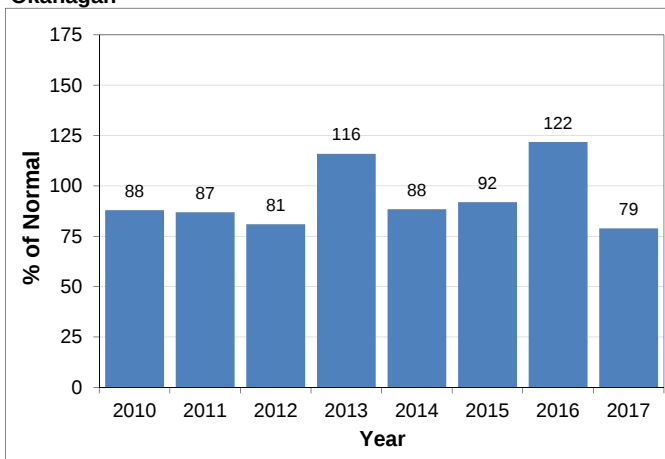
West Kootenay



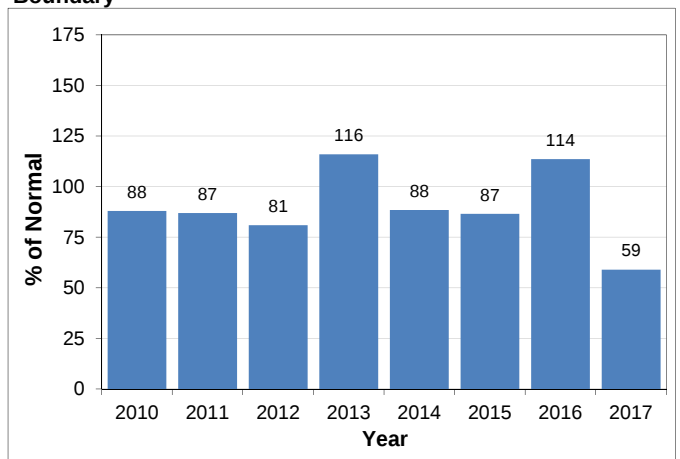
East Kootenay



Okanagan

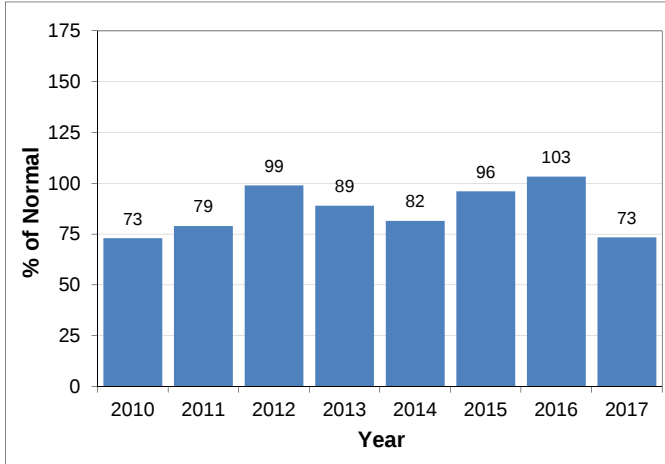


Boundary

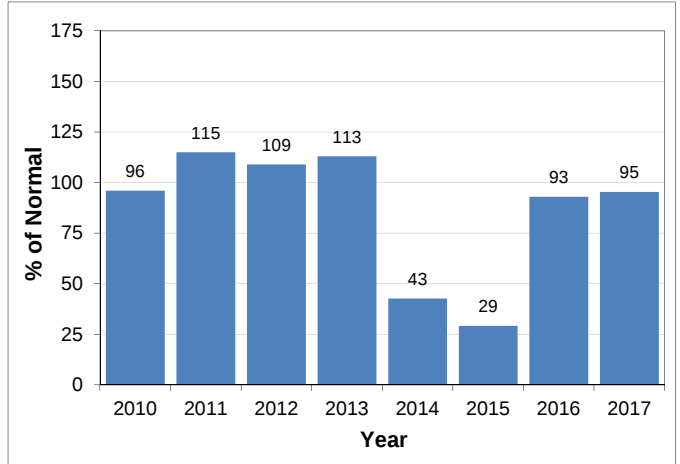


Snow Basin Index Graphs - February 1, 2017

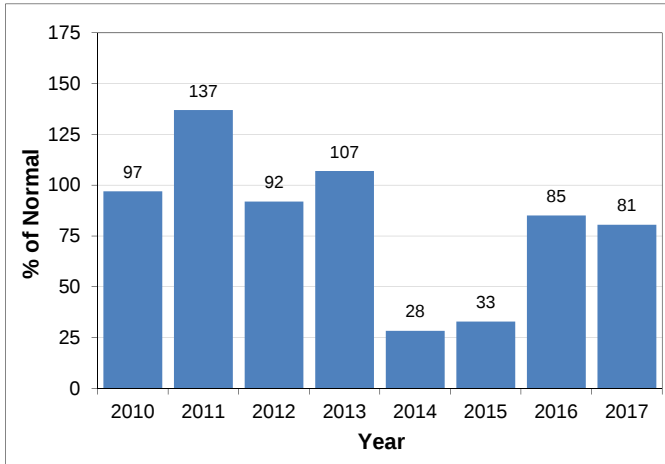
Similkameen



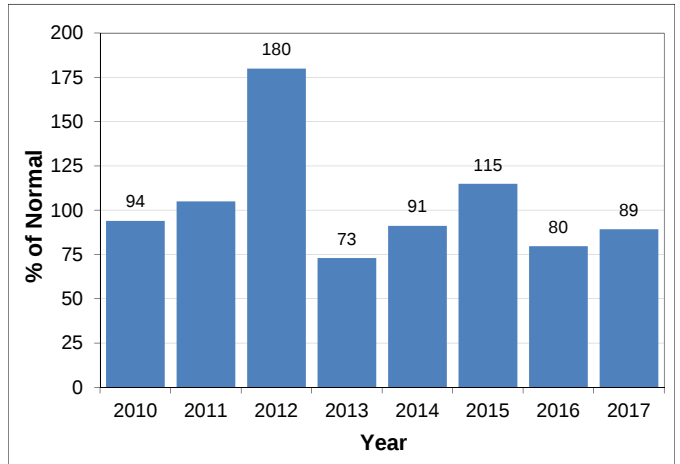
South Coast



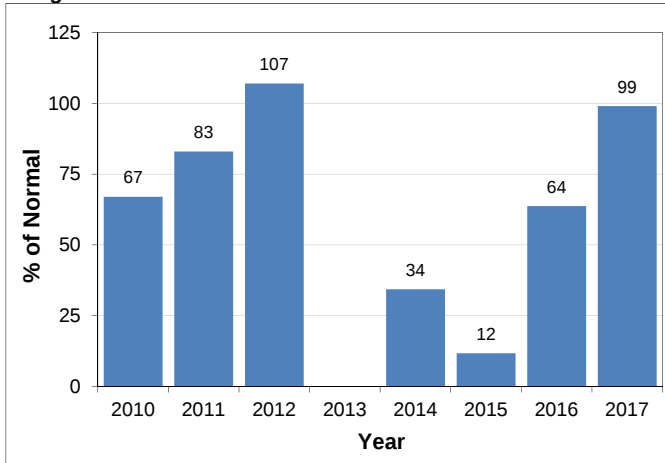
Vancouver Island



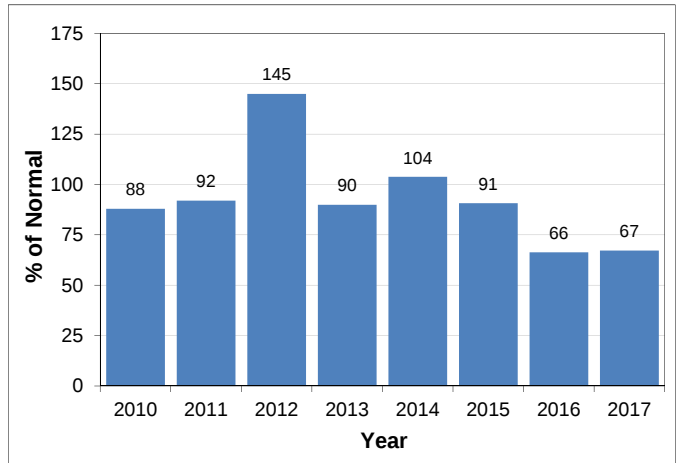
Central Coast



Skagit

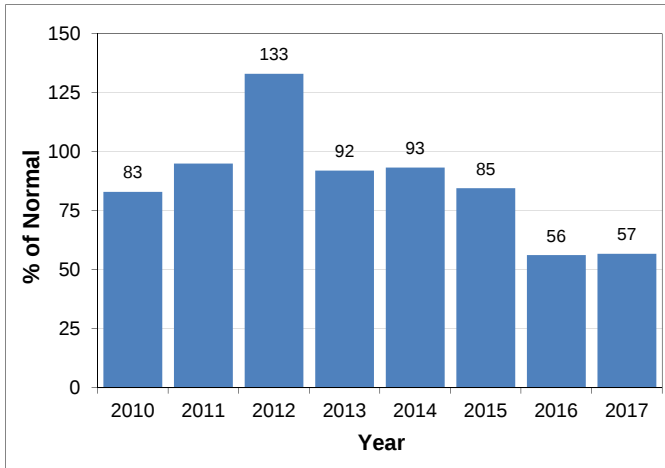


Peace

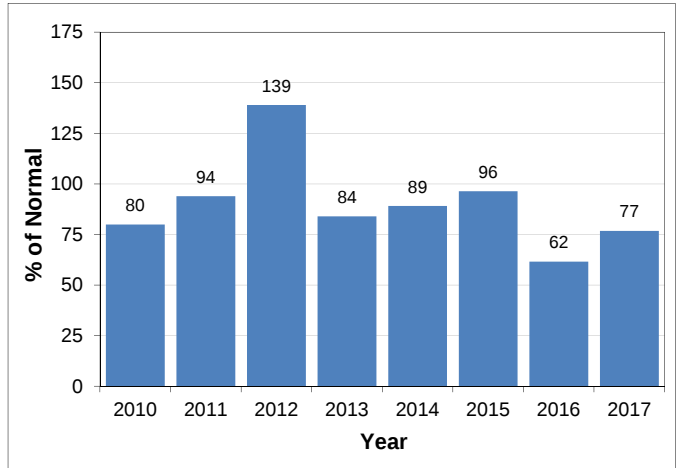


Snow Basin Index Graphs - February 1, 2017

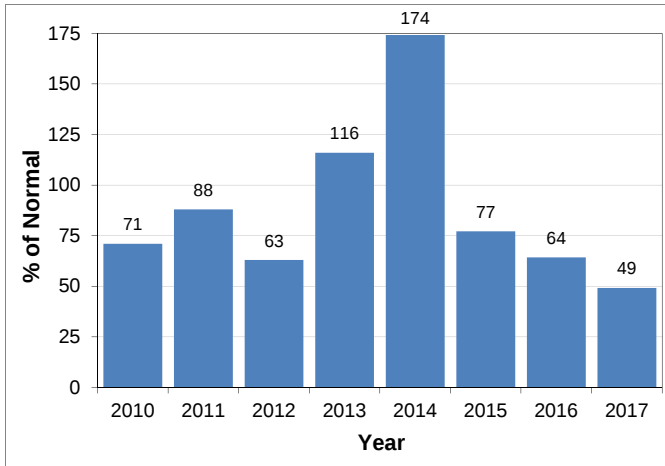
Stikine



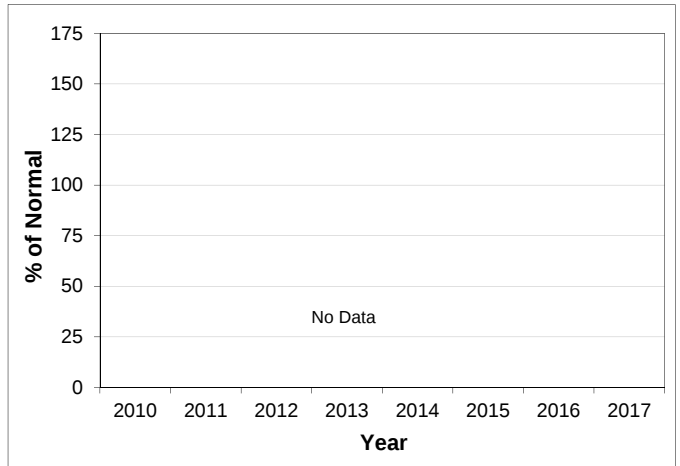
Skeena-Nass



Liard



Northwest



Ministry of Forests, Lands and Natural Resource Operations
River Forecast Centre
Volume Runoff Forecast February 2017

Location		Feb - Jun Runoff				Feb - Jul Runoff				Feb - Sep Runoff			
		Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)
Upper Fraser Basin	Fraser at McBride					3610	3858	94	333	5045	5325	95	396
	McGregor at Lower Canyon					3870	4185	92	553	4926	5231	94	672
	Fraser at Shelley					15646	16786	93	1716	19634	20845	94	2033
Middle Fraser Basin	Quesnel River at Quesnel					4410	4930	89	551	5653	6261	90	661
Thompson Basin	N. Thompson at McLure					8745	9411	93	710	10387	11580	90	925
	S. Thompson at Chase					6371	6389	100	650	7995	7956	100	940
	Thompson at Spences Bridge					15770	16353	96	1381	19438	20333	96	1775
Bulkley and Skeena	Bulkley at Quick					2452	2784	88	1655	3023	3381	89	2173
	Skeena at Usk					18371	19604	94	1553	22834	23948	95	2123
Nicola Lake	Inflows	100	131	77	33	156	148	105	38				
Nicola River	at Spences Bridge	553	549	101	100	627	616	102	123				
Okanagan and Kalamalka- Wood Lake	Okanagan Lake with Greyback (2F08)	493	488	101	99	518	515	101	120				
	Kalamalka-Wood Lake	18.0	33.1	54	12.8	17.2	34.5	50	15.1				
Similkameen River	at Nighthawk	1247	1391	90	166					1494	1701	88	196
	at Hedley	1033	1080	96	139					1198	1268	95	148

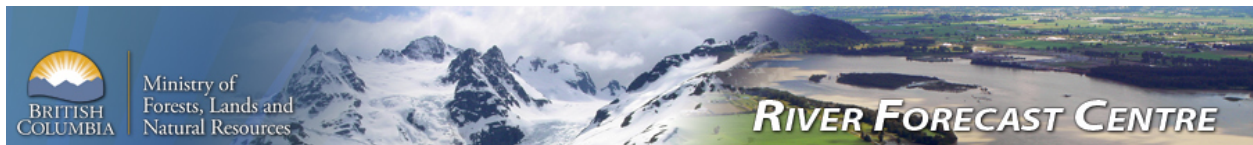
Note: 1 kdam³=1,000,000 m³

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



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

The March 1st snow survey is now complete. Data from 154 snow courses and 72 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

February was dominated by persistent high pressure over British Columbia and offshore which generally brought stable, dry, cold weather conditions across the province. This pattern of stable weather was interrupted at times with periods of instability which brought light to moderate precipitation, including snowfall at low elevations. A strong atmospheric river event in the middle of February brought heavy rain and seasonally warm temperatures to south-west BC, leading to the melt of low elevation snow.

For the month of February, temperatures were 1 to 4°C below-normal through most of BC, except in the north, where temperatures were slightly above-normal. Overall precipitation patterns for February were mixed across the province, with drier conditions in the north coast and west-central areas of BC, wetter conditions in the South Coast, South Interior and Kootenay, and near normal precipitation elsewhere in the province.

Weather across the entire winter period (December, January and February) tells a similar story, with persistent colder than normal temperatures (1-3°C) over the southern half of BC, and warmer than normal temperatures over the north. Dry conditions have been prevalent over most of the province this winter.

Snowpack

Weather patterns through February led to modest shifts in snow pack conditions across the province. In the South Interior and south-east BC, snow basin indices saw increases in values from February 1st. Declining snow basin indices occurred in coastal and northern BC, while indices in central locations were generally stable from February 1st values. The provincial average for all March 1st snow measurements is 85% of normal, which is an increase from the average of 79% in February.

Snow basin indices for March 1st 2017 range from a low of 45% of normal in the Liard to a high of 99% in the East Kootenay (Table 1 and Figure 1). Below normal snowpack (65-80%) is present in the Upper Fraser, Vancouver Island, Skeena-Nass and Northwest, and well below normal (<65%) in the Boundary, Stikine, Liard and Peace. Near-normal snowpack (80-100%) are present throughout the rest of the province. The March basin index for the entire Fraser River basin is at 83%, which is approximately a 1-in-15 year low snowpack or the 10th lowest March index in the past 65 years.

With cooler than normal temperatures through this winter, low elevation areas have been cold enough that they have experienced a greater proportion of precipitation as snow than normal. For example, most Environment and Climate Change Canada weather stations that

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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record snow observed 2 to 8 times the normal snowfall amounts in February. This season's snowpack can be considered “upside-down”, with higher than normal snowfall occurring at low elevations, but below-normal snow at high elevations. This is a result of colder than normal temperatures which have resulted in several low elevation precipitation events occurring as snow rather than rain. However, seasonally dry conditions have resulted in lower than normal snowpack at high elevations despite the colder conditions. Increased snow at low elevations plays a limited role in seasonal flood risk or water supply into the spring and summer.

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

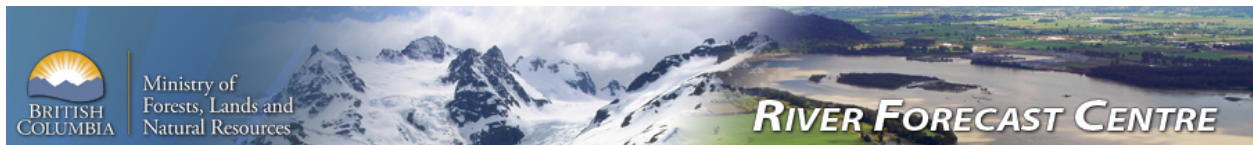
Basin	% of Normal	Basin	% of Normal
Upper Fraser West	66	Boundary	59
Upper Fraser East	66	Similkameen	83
Nechako	95	South Coast	90
Middle Fraser	84	Vancouver Island	72
Lower Fraser	95	Central Coast	84
North Thompson	87	Skagit	98
South Thompson	87	Peace	64
Fraser River – Entire	83	Nicola	83
Upper Columbia	87	Skeena-Nass	74
West Kootenay	91	Stikine	52
East Kootenay	99	Liard	45
Okanagan	86	Northwest	77

Outlook

La Niña conditions in the equatorial Pacific Ocean have ended, with the Climate Prediction Centre (CPC) at the U.S. National Weather Service/NOAA ending the La Niña Advisory in early February 2017. Neutral ENSO conditions are now present, and the CPC is forecasting an increased likelihood of neutral conditions persisting through the spring of 2017, with the potential for El Niño conditions into the summer-fall period. Negative sea surface temperature anomalies are present in the North Pacific Ocean west of British Columbia. Seasonal forecasts from Environment and Climate Change Canada reflect current ocean temperature conditions, with an increased likelihood of normal temperatures over the March-May period for most of the province, and below-normal temperatures over coastal BC and north into the Yukon.

Seasonal volume runoff forecasts (see below) are near normal for most basins across the province with below-normal seasonal runoff forecasted for the Kalamalka-Wood basin.

By early March, 80% of the annual BC snowpack has typically accumulated. At this stage in the season there is limited indication that any region of the province is developing increased



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seasonal flood risk due to high snowpack. While snowpack is an important factor in seasonal flooding, weather during the melt season, particularly extreme rainfall events, can also create flood risk even in years with low snowpack.

Well-below normal snowpack in the Stikine, Liard, Peace and Boundary, and below normal snowpack in the Upper Fraser, Skeena-Nass, Vancouver Island, and the Northwest indicate the potential for increased risk of low flows this summer. Summer weather is also an important factor in summer low flows, particularly on Vancouver Island and northeast BC, and wet or dry weather through the summer period can affect the risk of low streamflow.

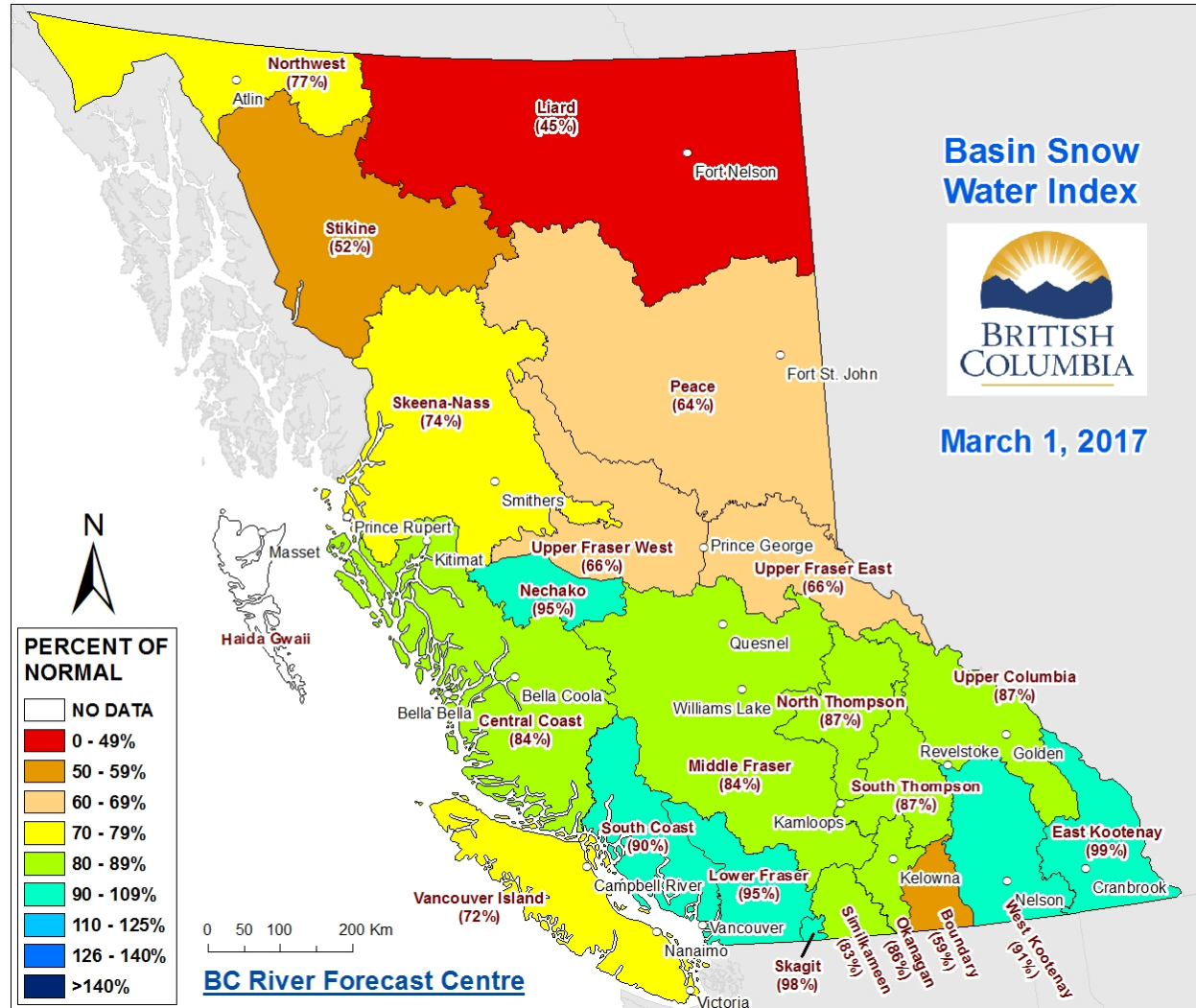
With six to eight weeks remaining in the snow accumulation season, changes to the seasonal runoff outlook are possible, but at this stage would require extremely wet or cool conditions to make a significant impact on seasonal flood risk.

The River Forecast Centre will continue to monitor snowpack conditions and will provide an updated seasonal flood risk forecast in the April 1st 2017 bulletin, which is scheduled for release on April 6th.

BC River Forecast Centre
March 7, 2017

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

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



2017 Automated Snow Weather Station/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	2016 SWE (mm)	2015 SWE (mm)	Minimum (mm)	Maximum (mm)	1981-2010 Normal (mm)	Years of Record
1A01P	Yellowhead Lake	Upper Fraser East	1847	2017-03-01		321		72%	398	428	254	720	445	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-03-01	506	275		74%	338	414	198	562	372	25
1A03P	Barkerville	Upper Fraser East	1483	2017-03-01	94	203		70%	218	274	123	479	292	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	N	N	N	N			858	296	1104	676	63
1A05P	Longworth Upper	Upper Fraser East	1740	2017-03-01	165	379								0
1A06A	HANSARD	Upper Fraser East	622	2017-02-27	35	101		59%	64	218	44	396	170	44
1A10	PRINCE GEORGE A	Upper Fraser East	684	2017-02-28	26	55		47%	83	124	0	296	117	55
1A11	PACIFIC LAKE	Upper Fraser East	756	2017-02-27	106	341		62%	321	392	165	866	546	54
1A12	KAZA LAKE	Upper Fraser West	1247	2017-02-28	75	162		55%	257	299	132	478	295	53
1A12P	Kaza Lake	Upper Fraser West	1248	2017-03-01	89	199			257		257	257		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-03-01					366	526	214	1066	654	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	2017-02-27	142	457		66%	531	627	404	1098	692	47
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-03-01	156	599								0
1A16	BURNS LAKE	Upper Fraser West	820	2017-02-28	29	72		55%	98	194	50	250	130	47
1A17P	Revolution Creek	Upper Fraser East	1676	2017-03-01	166	398		59%	621	608	326	1133	674	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-03-01	151	405		66%	502	615	298	912	611	11
1A23	BIRD CREEK	Upper Fraser West	1196	2017-02-27	45	98		75%	126	231	72	232	131	27
1B01	MOUNT WELLS	Nechako	1489	2017-02-27	143	426		94%	323	533	244	954	452	65
1B01P	Mount Wells	Nechako	1489	2017-03-01		475		101%	362	585	227	739	470	25
1B02	TAHTSA LAKE	Nechako	1319	2017-02-27	253	961		93%	866	1017	571	1777	1034	65
1B02P	Tahtsa Lake	Nechako	1319	2017-03-01		1076		97%	960	999	464	1725	1108	25
1B05	SKINS LAKE	Nechako	877	2017-02-27	26	75		73%	88		53	226	103	52
1B06	MOUNT SWANNELL	Nechako	1596	2017-02-27	93	222		88%		359	132	446	252	28
1B07	NUTLI LAKE	Nechako	1502	2017-02-27	153	483		105%	342	439	229	779	460	26
1B08P	Mount Pondosy	Nechako	1413	2017-03-01		699		102%	593	798	363	995	686	25
1C01	BROOKMERE	Middle Fraser	994	2017-02-28	73	174		104%	148	135	53	351	167	72
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2017-02-27	146	468		95%	406	320	222	1016	492	65
1C06	PAVILION	Middle Fraser	1209	2017-03-02	25	70		121%	60		0	168	58	60
1C08	NAZKO	Middle Fraser	1029	2017-02-28	22	45		70%	63	132	0	142	64	42
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	N	N	N	N		106	86	25	229	77	50
1C12P	Green Mountain	Middle Fraser	1766	2017-03-01		574		76%	758	591	429	1265	751	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	2017-02-26	88	280		65%	444	412	238	624	428	46
1C14	BRALORNE	Middle Fraser	1382	2017-02-27	66	169		113%	80	54	0	363	149	53
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-03-01	79	181		68%	360	201	141	468	266	56
1C18P	Mission Ridge	Middle Fraser	1903	2017-03-01		481		101%	375	316	160	866	475	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	N	N	N	N		111	90	15	259	96	49
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-03-01	124	327		67%	572	456	255	739	487	23

1C21	BIG CREEK	Middle Fraser	1130	2017-02-26	20	40		83%	46	74	0	112	48	46
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	2017-02-28	21	46		84%	44	84	0	128	55	47
1C23	PENFOLD CREEK	Middle Fraser	1687	N	N	N	N		778	674	453	1132	807	42
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	2017-03-01	70	132		110%	178	110	13	213	120	44
1C28	DUFFEY LAKE	Middle Fraser	1253	2017-03-01	129	366		86%	434	273	194	762	428	39
1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456	2017-02-28	74	221		102%	188	121	100	398	216	36
1C32	DEADMAN RIVER	Middle Fraser	1463	2017-03-02	53	110		110%	170	110	44	220	100	33
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	N	N	N	N		154	156	116	211	173	11
1C37	BRALORNE(UPPER)	Middle Fraser	1980	2017-02-27	179	550		101%	560	448	268	944	543	22
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	2017-02-27	217	654		89%	782	690	302	1250	737	22
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-03-01		667			685		685	685		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2017-02-27	159	516		102%	584	412	146	954	508	22
1C40	TYAUGHTON	Middle Fraser	1946	2017-02-27	125	332		83%		300	138	916	399	22
1C40P	North Tyaughton	Middle Fraser	1969	2017-03-01		291			267		267	267		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-03-01	167	488		75%	661	684	365	904	655	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	2017-03-01	73	148			246	184	60	270		12
1D06P	Tenquille Lake	Lower Fraser	1669	2017-03-01	285	912		113%	945	727	518	1227	810	16
1D08	STAVE LAKE	Lower Fraser	1211	2017-02-24	269	1030		87%	1026	120	120	2500	1178	50
1D09	WAHLEACH LAKE	Lower Fraser	1395	2017-02-24	105	368		79%	374	37	37	1072	468	50
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-03-01		430		51%	565	251	251	1320	846	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530	2017-02-24	230	939		86%	1028	426	400	2380	1092	48
1D16	DICKSON LAKE	Lower Fraser	1147	2017-02-24	281	1160		98%	824	22	22	1814	1186	26
1D17P	Chilliwack River	Lower Fraser	1621	2017-03-01	250	1022		85%	1307	607	506	2353	1208	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-03-01	259	1076		82%	1106	265	265	2615	1312	18
1E01B	BLUE RIVER	North Thompson	673	2017-02-23	80	280		100%	284	267	160	411	280	33
1E02P	Mount Cook	North Thompson	1574	2017-03-01	248	787		77%	1260	988	684	1319	1028	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	2017-02-24	134	420		93%	442	273	216	778	452	43
1E05	KNOUFF LAKE	North Thompson	1189	2017-02-27	45	124		100%	126	121	36	284	124	60
1E07	ADAMS RIVER	North Thompson	1769	2017-02-24	166	534		95%	728	504	262	892	560	46
1E08P	Azure River	North Thompson	1625	2017-03-01					931	982	528	1339	934	20
1E10P	Kostal Lake	North Thompson	1760	2017-03-01		607		85%	755	654	417	1023	712	32
1E14P	Cook Creek	North Thompson	1280	2017-03-01	130	0			0		0	0		1
1F01A	ABERDEEN LAKE	South Thompson	1262	2017-03-01	69	140		105%	171	160	51	231	133	60
1F02	ANGLEMONT	South Thompson	1168	N	N	N	N		299		160	635	323	59
1F03P	Park Mountain	South Thompson	1857	2017-03-01	178				729	646	379	1021	714	32
1F04P	Enderby	South Thompson	1950	2017-03-01	255	712								0
1F06P	Celista Mountain	South Thompson	1533	2017-03-01	180	545		74%	908	699	506	923	739	12
2A01A	CANOE RIVER	Upper Columbia	866	2017-03-03	37	76		85%	132	120	19	251	89	76
2A02	GLACIER	Upper Columbia	1249	2017-02-26	125	417		71%	578	490	251	952	585	79
2A03A	FIELD	Upper Columbia	1310	2017-02-28	54	113		77%	162	157	53	248	147	77
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-03-01		862		87%	1059	851	537	1487	992	24
2A07	KICKING HORSE	Upper Columbia	1648	2017-02-28	86	216		77%	296	218	140	462	279	70

2A11	BEAVERFOOT	Upper Columbia	1924	2017-02-26	72	160		96%	194	150	80	333	167	68
2A14	MOUNT ABBOT	Upper Columbia	2031	2017-02-25	271	892		89%	882	784	508	1448	1000	58
2A16	GOLDSTREAM	Upper Columbia	1914	2017-02-28	246	895		94%	920	937	553	1351	954	54
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2017-02-26	249	824		79%	976	877	534	1703	1043	54
2A18	KEYSTONE CREEK	Upper Columbia	1839	2017-02-28	189	649		97%	679	630	357	1277	671	51
2A18P	Keystone Creek	Upper Columbia	1850	2017-03-01		762			779		779	779		1
2A19	VERMONT CREEK	Upper Columbia	1533	2017-02-27	128	355		100%	434	266	152	643	356	51
2A21P	Molson Creek	Upper Columbia	1930	2017-03-01		755		85%	800	773	437	1215	887	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	2017-02-27	209	713		95%	683	699	389	1117	751	50
2A23	BUSH RIVER	Upper Columbia	1982	2017-02-27	203	676		99%	684	624	281	1078	682	49
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2017-02-28	261	952		96%	1072	965	526	1476	990	45
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2017-02-28	128	422		68%	626		338	1018	618	40
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2017-02-28	262	990		86%	1108	938	335	2120	1146	39
2A30P	Colpitti Creek	Upper Columbia	2131	2017-03-01		650			651		403	403		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-03-01		740			779		465	465		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-03-01		434			446		271	271		1
2B02A	FARRON	Lower Columbia	1229	2017-02-27	105	276		100%	320	166	79	450	276	44
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	2017-02-23	127	351		62%	558	460	285	918	570	56
2B06P	Barnes Creek	Lower Columbia	1595	2017-03-01		227		52%	513	393	229	690	437	24
2B07	KOCH CREEK	Lower Columbia	1813	2017-02-23	186	531		88%	704	488	269	996	601	56
2B08P	St. Leon Creek	Lower Columbia	1822	2017-03-01		780		87%	960	858	416	1392	900	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-03-03	228	710		118%	845	416	147	1136	601	42
2C01	SINCLAIR PASS	East Kootenay	1374	2017-02-27	45	96		93%	114	80	44	262	103	69
2C04	SULLIVAN MINE	East Kootenay	1580	2017-02-28	102	230		98%	206	138	53	465	235	71
2C07	FERNIE EAST	East Kootenay	1213	2017-03-02	121	302		112%	192	120	61	584	270	66
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-03-01		463		81%	566	372	233	1074	571	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-03-01	515	381		114%	357	216	149	653	333	38
2C14P	Floe Lake	East Kootenay	2110	2017-03-01		601		103%	529	553	257	889	581	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	2017-02-27	157	437		104%	401		185	680	421	48
2C16	MOUNT JOFFRE	East Kootenay	1763	2017-02-27	96	243		84%	283	292	122	551	291	48
2C17	THUNDER CREEK	East Kootenay	2062	2017-02-27	96	226		106%	266	165	91	378	214	48
2D02	FERGUSON	West Kootenay	929	2017-02-27	130	400		80%	612	488	283	796	502	63
2D03	SANDON	West Kootenay	1072	2017-03-01	102	295		92%		245	196	475	319	37
2D04	NELSON	West Kootenay	952	2017-03-01	102	264		80%	197	118	118	558	328	77
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	2017-02-27	137	316		84%	385	258	201	663	378	68
2D06	CHAR CREEK	West Kootenay	1290	2017-02-25	146	418		94%	400	258	221	754	447	51
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	2017-02-26	57	188		131%	82	148	52	322	144	25
2D08P	East Creek	West Kootenay	2004	2017-03-01		716		98%	865	694	312	1167	732	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	2017-02-23	255	775		90%		806	490	1534	859	50
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	2017-02-27	218	570		94%	645	511	343	955	607	48
2D14P	Redfish Creek	West Kootenay	2086	2017-03-01	380	1093		115%	1296	1162	751	1256	954	15
2E01	MONASHEE PASS	Kettle	1387	2017-02-23	66	158		56%	300	251	149	442	282	58

2E02	CARMI	Kettle	1254	2017-02-28	24	47		36%	120	68	56	274	130	54
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2017-02-28	120	208		52%	495	305	213	676	402	51
2E07P	Grano Creek	Kettle	1874	2017-03-01		338		82%	524	323	206	679	411	19
2F01A	TROUT CREEK (West)	Okanagan	1430	2017-02-24	56	120		61%	211	139	93	229	196	6
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2017-02-28	76	178		94%	235	207	97	381	190	56
2F03	MC CULLOCH	Okanagan	1266	2017-02-27	60	117		80%	224	108	71	249	146	77
2F04	GRAYSTOKE LAKE	Okanagan	1818	2017-03-03	94	216		76%	336		128	605	285	34
2F05P	Mission Creek	Okanagan	1794	2017-03-01		274		70%	486	332	208	608	392	47
2F07	POSTILL LAKE	Okanagan	1358	N	N	N	N		190	133	98	274	173	67
2F08P	Greyback Reservoir	Okanagan	1550	2017-03-01	60	159								0
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2017-02-25	118	362		80%	677	355	180	809	450	62
2F10P	Silver Star Mountain	Okanagan	1839	2017-03-01	185	445			622		622	622		1
2F11	ISINTOK LAKE	Okanagan	1651	2017-02-28	57	117		89%	131	145	53	358	132	52
2F12	MOUNT KOBAL	Okanagan	1817	2017-02-28	98	270		107%	333	194	61	488	253	51
2F13	ESPERON CR (UPPER)	Okanagan	1634	2017-02-26	96	270		82%	398	218	157	635	330	48
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	2017-02-26	86	206		72%			132	513	287	25
2F18P	Brenda Mine	Okanagan	1453	2017-03-01		212		67%	373	243	184	431	315	24
2F19	OOYAMA LAKE	Okanagan	1365	2017-02-28	65	124		86%	174	76	73	241	144	48
2F20	VASEUX CREEK	Okanagan	1403	2017-02-28	40	60		53%	132	88	52	284	113	45
2F21	BOULEAU LAKE	Okanagan	1405	2017-02-26	86	212		79%	288	202	165	432	267	46
2F23	MACDONALD LAKE	Okanagan	1742	2017-03-01	118	310		84%	475	305	170	583	368	40
2F24	ISLAHT LAKE	Okanagan	1492	2017-02-28	95	183		64%	305	207	161	497	285	35
2F25	POSTILL LAKE UPPER	Okanagan	1500	N	N	N	N		242	112	112	242		7
2G03P	Blackwall Peak	Similkameen	1934	2017-03-01	184	544		82%	736	542	228	1323	665	49
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	2017-02-27	68	139	B	78%	220	205	92	508	178	57
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	2017-02-27	68	158	B	87%	178	142	76	363	182	56
2G06	HAMILTON HILL	Similkameen	1477	2017-02-28	86	219	B	82%	190	167	102	676	267	55
3A01	GROUSE MOUNTAIN	South Coast	1126	2017-02-27	252	1036		107%	920	0	0	2320	966	67
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS	NS	NS	NS				868	868	868	2
3A05	POWELL RIVER (LOWER)	South Coast	882	NS	NS	NS	NS				588	588	588	2
3A09	PALISADE LAKE	South Coast	898	2017-02-28	221	952	P	86%		0	0	3150	1106	65
3A10	DOG MOUNTAIN	South Coast	1007	2017-02-28	239	1029		108%	792	0	0	2146	952	33
3A19	ORCHID LAKE	South Coast	1178	2017-02-28	289	1142	P	78%		190	190	2960	1467	43
3A20	CALLAGHAN CREEK	South Coast	1009	2017-03-01	167	632		90%	772	40	40	1260	702	40
3A22P	Nostetuko River	South Coast	1457	2017-03-01	96	357		77%	475	268	165	876	462	28
3A24P	Mosley Creek Upper	South Coast	1655	2017-03-01	85	227		85%	204	268	98	555	266	28
3A25P	Squamish River Upper	South Coast	1387	2017-03-01		1101		84%	1337	558	558	2301	1303	27
3A26	CHAPMAN CREEK	South Coast	1022	2017-02-28	258	956		358%			662	1412	267	7
3A27	EDWARDS LAKE	South Coast	1070	N	N	N	N				380	944	201	5
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2017-02-25	230	927		77%	1168	119	101	2730	1203	62
3B02A	MOUNT COKELY	Vancouver Island	1267	N	N	N	N			14	14	1034	662	34
3B04	ELK RIVER	Vancouver Island	270	2017-02-25	39	136		234%	0	0	0	546	58	61

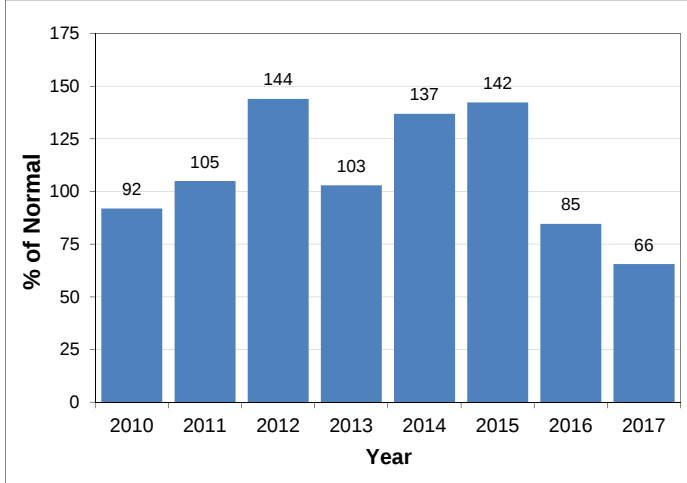
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	2017-02-25	213	868		77%	880	0	0	2440	1128	59
3B17P	Wolf River Upper	Vancouver Island	1422	2017-03-01		864		80%	1022	358	195	2085	1085	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2017-02-25	112	438		86%	342	0	0	1344	509	47
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	N	N	N	N		178	0	0	1064	301	47
3B23P	Jump Creek	Vancouver Island	1134	2017-03-01	211	494		58%	564	20	20	2228	849	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-03-01	247	1097			1062		1062	1062		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-03-01	189									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	N	N	N	N		288	330	45	945	418	30
3C08P	Burnt Bridge Creek	North Coast	1329	2017-03-01	171	583		84%	598	737	282	1245	691	19
3D01C	SUMALLO RIVER WEST	Skagit	801	2017-02-24	71	251		115%	63	0	0	442	218	25
3D02	LIGHTNING LAKE	Skagit	1254	2017-02-28	75	186	B	74%	296	200	36	497	250	44
3D03A	KLESILKWA	Skagit	1134	2017-02-24	63	236		104%	124	0	0	759	228	69
4A02P	Pine Pass	Peace	1386	2017-03-01	211	636		72%	773	705	363	1485	880	28
4A03	WARE (UPPER)	Peace	1563	2017-03-01	66	136		62%	138	202	90	360	220	56
4A03P	Ware Upper	Peace	1565	2017-03-01	66	145								0
4A04	WARE (LOWER)	Peace	969	2017-03-01	48	66		40%		188	89	246	167	56
4A04P	Ware Lower	Peace	971	2017-03-01	53	91								0
4A05	GERMANSEN (UPPER)	Peace	1489	2017-02-28	77	184		63%	259	310	156	520	293	56
4A06	TUTIZZI LAKE	Peace	1043	2017-02-28	51	102		44%	176	232	106	386	230	53
4A07	LADY LAURIER LAKE	Peace	1460	N	N	N	N		329	407	194	662	452	54
4A09	PULPIT LAKE	Peace	1331	2017-03-01	98	239		64%	308	344	152	531	372	53
4A09P	Pulpit Lake	Peace	1331	2017-03-01	82	200		52%	268	331	133	471	381	27
4A10	FREDRICKSON LAKE	Peace	1323	2017-02-28	52	86		40%	156	239	93	315	213	53
4A11	TRYGVE LAKE	Peace	1409	2017-03-01	85	186		58%	230	306	119	453	319	53
4A12	TSAYDAYCHI LAKE	Peace	1173	2017-02-28	96	267		79%	307	341	166	540	340	53
4A13	PHILIP LAKE	Peace	1013	2017-02-28	52	118		49%	226	235	137	400	242	53
4A16	MORFEE MOUNTAIN	Peace	1427	2017-02-27	143	460		63%	572	685	265	1166	725	49
4A18	MOUNT SHEBA	Peace	1480	2017-02-27	165	536		75%	601	687	369	1123	712	48
4A20	MONKMAN CREEK	Peace	1566	2017-02-27	128	396		84%		455	190	925	472	42
4A21	MOUNT STEARNS	Peace	1514	2017-03-01	65	137		110%	40	143	41	227	124	43
4A25	FORT ST. JOHN A	Peace	692	2017-03-01	35	81		82%	79	131	34	191	99	42
4A27P	Kwadacha North	Peace	1554	2017-03-01	91	158								0
4A30P	Aiken Lake	Peace	1061	2017-03-01	54	136		59%	181	217	90	363	232	32
4A31P	Crying Girl Prairie	Peace	1358	2017-03-01		206			124		124	124		1
4A33P	Muskwa-Kechika	Peace	1196	2017-03-01		96			33		23	23		1
4A34P	Dowling Creek	Peace	1456	2017-03-01		836								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	2017-02-27	224	807		99%	528	800	429	1320	817	65
4B02	JOHANSON LAKE	Skeena-Nass	1480	2017-02-28	71	160		63%	227	256	108	368	253	53
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	2017-03-01	120	369		83%	308	490	168	719	443	45
4B04	CHAPMAN LAKE	Skeena-Nass	1485	2017-03-01	106	339		83%	276	404	266	691	407	51
4B06	TACHEK CREEK	Skeena-Nass	1133	2017-03-01	58	140		72%	172	212	117	332	195	48
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	2017-03-01	56	158		64%	190	274	155	391	246	47

4B08	MOUNT CRONIN	Skeena-Nass	1491	2017-03-01	132	420		84%	363	456	345	869	498	47
4B10	NINGUNSAW PASS	Nass	647	N	N	N	N		289	210	210	629	397	42
4B11A	BEAR PASS	Nass	437	2017-02-28	95	350		61%	393		87	824	574	31
4B12P	Granduc Mine	Skeena-Nass	790	2017-03-01	350	80								0
4B13A	TERRACE A	Skeena-Nass	219	N	N	N	N		42	106	0	407	141	35
4B14	EQUITY MINE	Skeena-Nass	1434	2017-02-28	119	346		104%	264	426	190	546	333	39
4B15	LU LAKE	Skeena-Nass	1296	2017-02-28	86	214		84%	184	334	122	412	254	39
4B15P	Lu Lake	Skeena-Nass	1308	2017-03-01	82	235		106%	208	388	116	405	221	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-03-01	154	393		54%	423	475	195	957	723	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-03-01		732		76%	606	921	302	1618	969	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-03-01	128	360		62%	375	416	178	956	582	16
4C01	SIKANNI LAKE	Liard	1390	2017-03-01	57	106		45%	142	212	78	335	238	53
4C01P	Sikanni Lake	Liard	1400	2017-03-01	59	114								0
4C02	SUMMIT LAKE	Liard	1291	2017-03-03	34	79		71%	61		0	190	111	52
4C03	DEASE LAKE	Liard	805	N	N	N	N		63	96	45	229	124	52
4C05	FORT NELSON AIRPORT	Liard	368	2017-03-03	24	57		62%	64		38	177	92	49
4C15	JADE CITY	Liard	943	N	N	N	N		146	156	128	310	206	15
4D01	TELEGRAPH CREEK	Stikine	490	N	N	N	N		46	82	53	345	144	42
4D02	ISKUT	Stikine	931	N	N	N	N		35	70	33	176	105	42
4D11P	Kinaskan Lake	Stikine	1020	2017-03-01	90	249		72%	215	236	94	236	346	21
4E02B	ATLIN LAKE	Yukon	730	2017-03-01	40	85			87	68	68	166		11

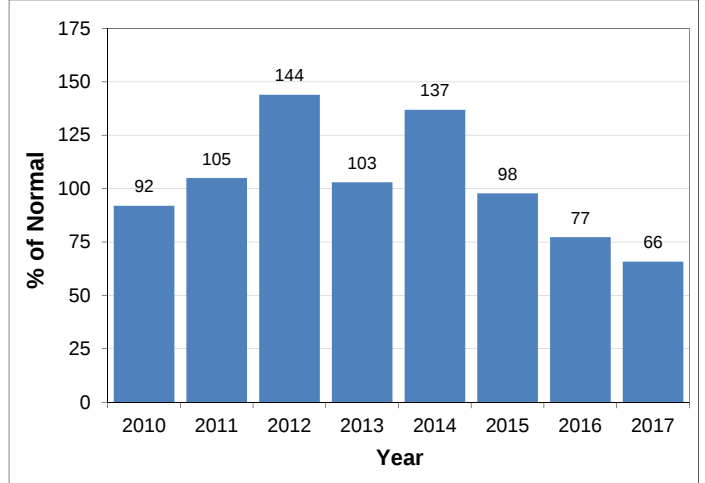
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - March 1, 2017

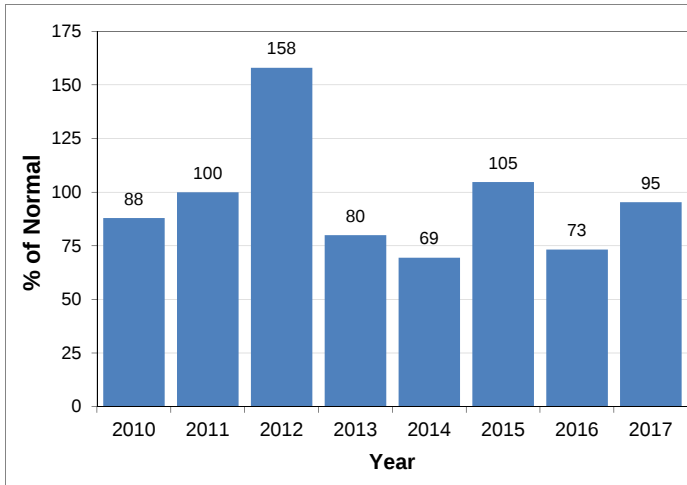
Upper Fraser West



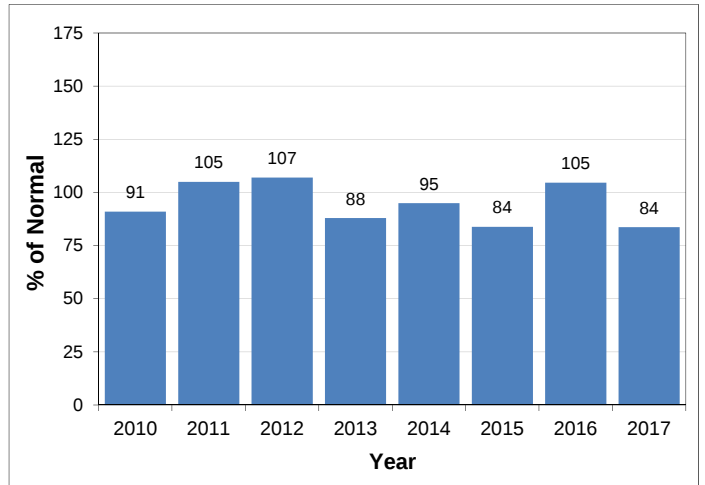
Upper Fraser East



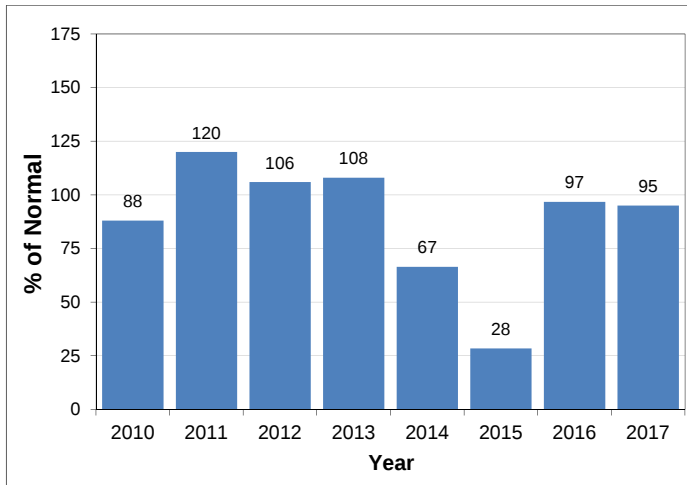
Nechako



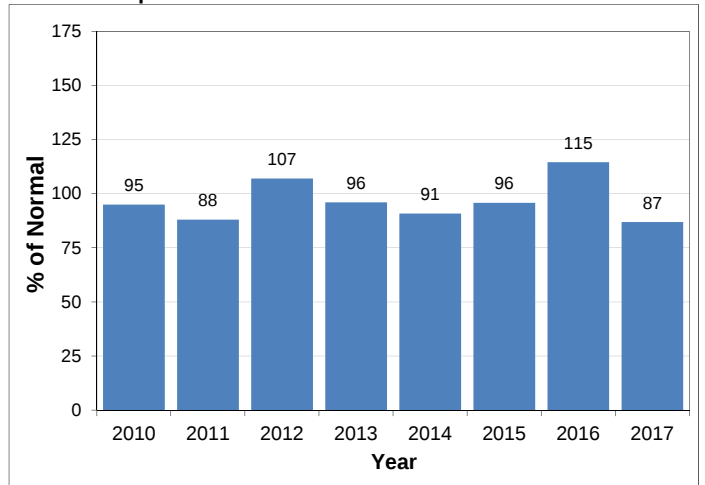
Middle Fraser



Lower Fraser

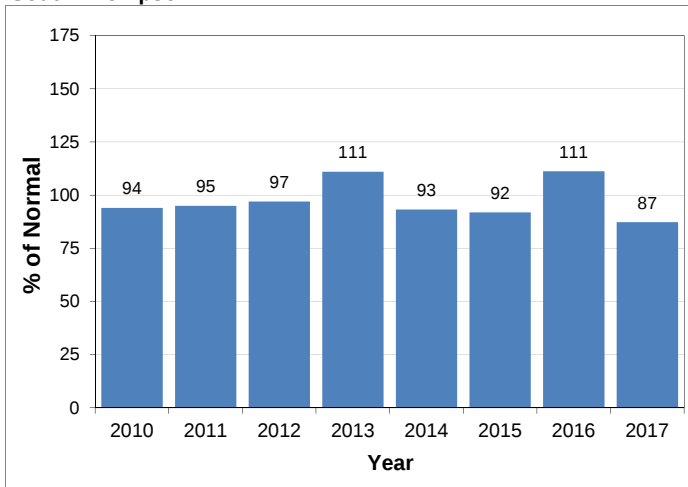


North Thompson

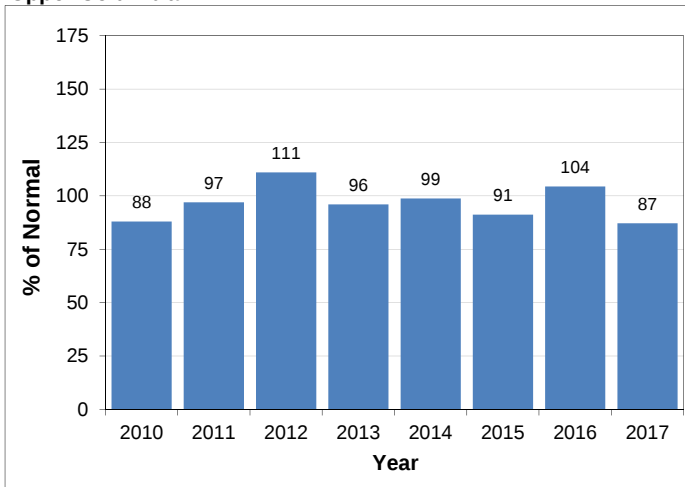


Snow Basin Index Graphs - March 1, 2017

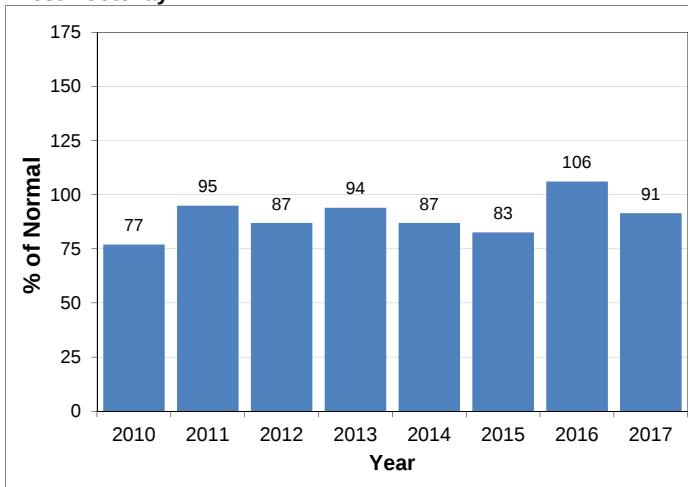
South Thompson



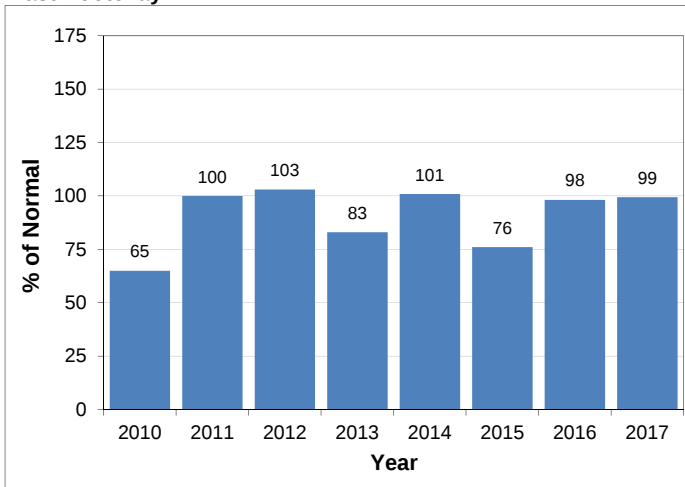
Upper Columbia



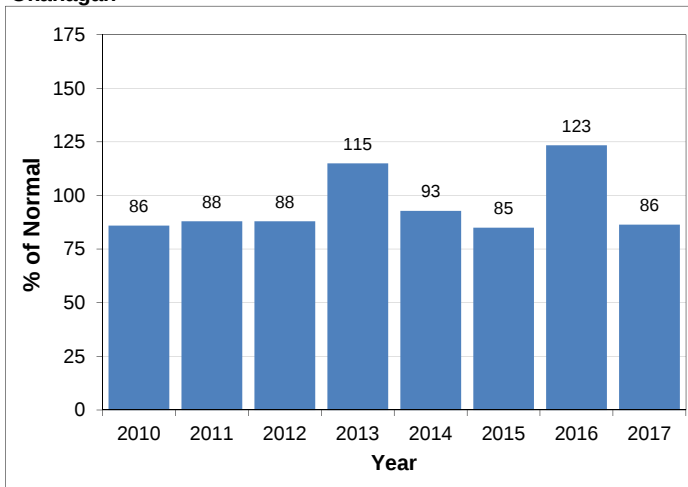
West Kootenay



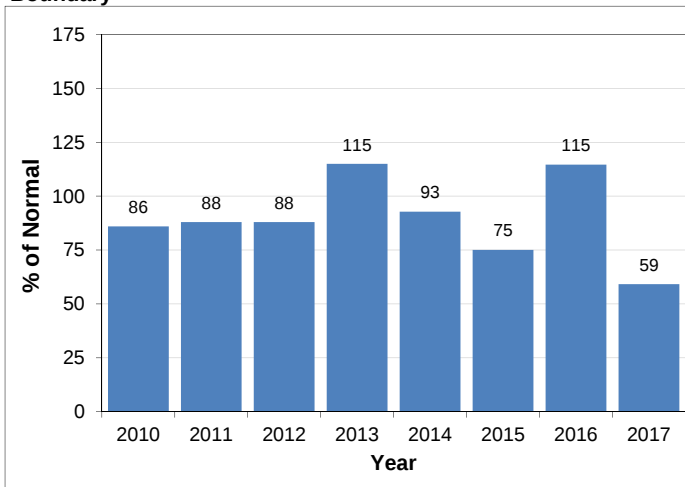
East Kootenay



Okanagan

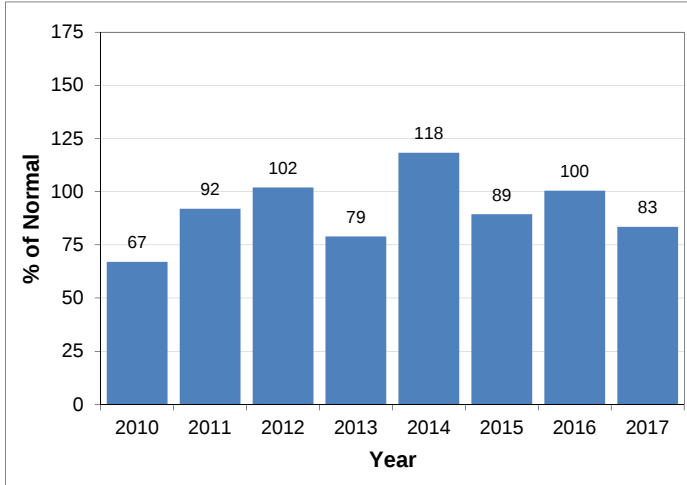


Boundary

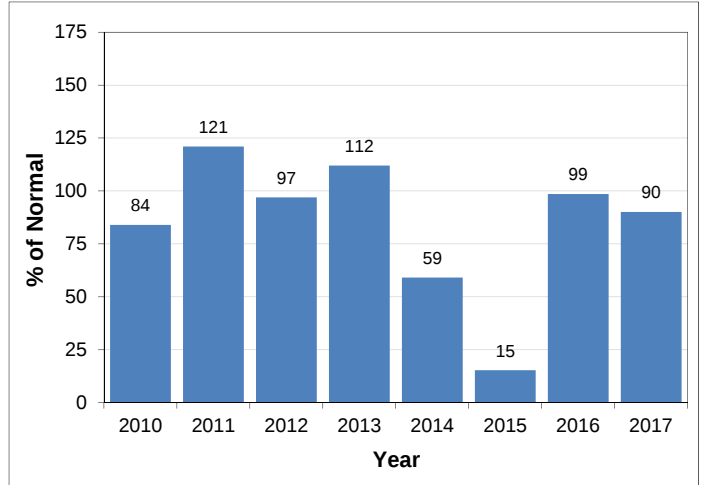


Snow Basin Index Graphs - March 1, 2017

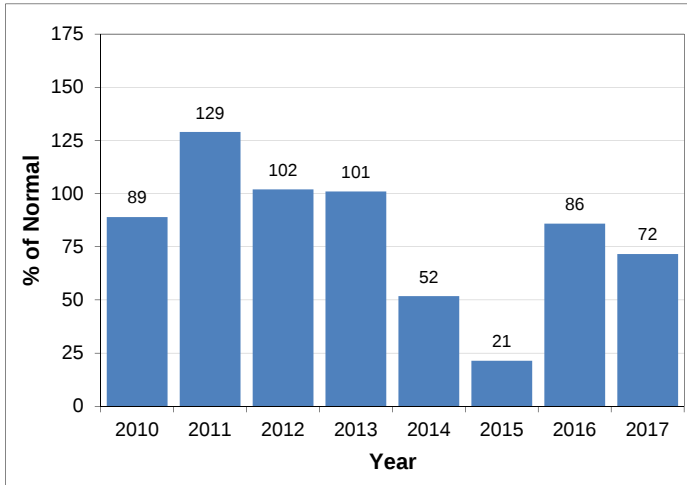
Similkameen



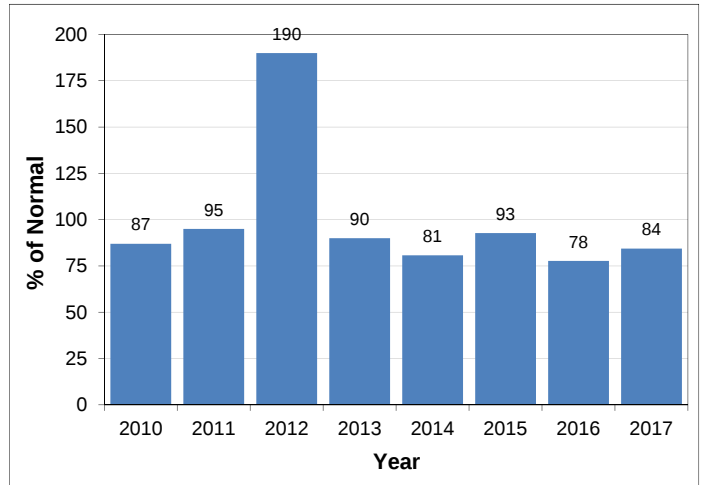
South Coast



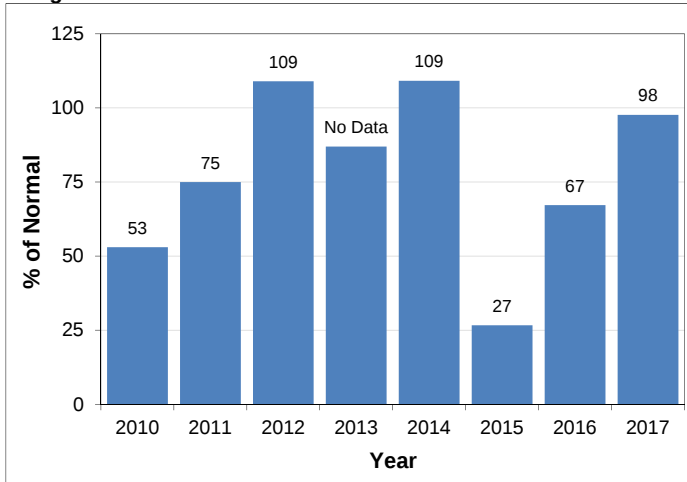
Vancouver Island



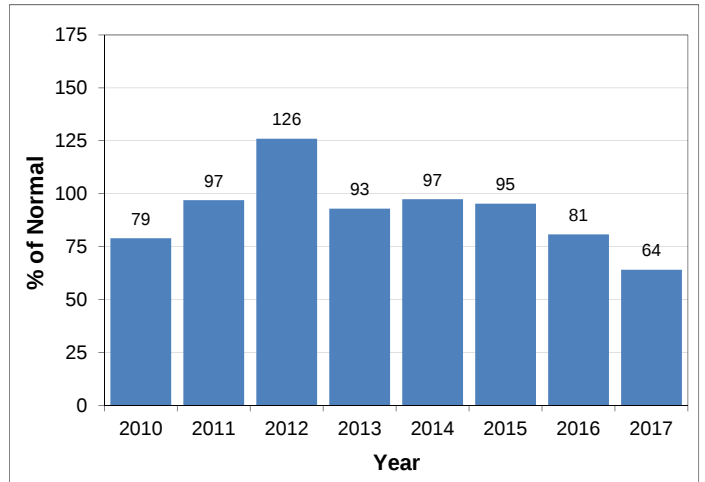
Central Coast



Skagit

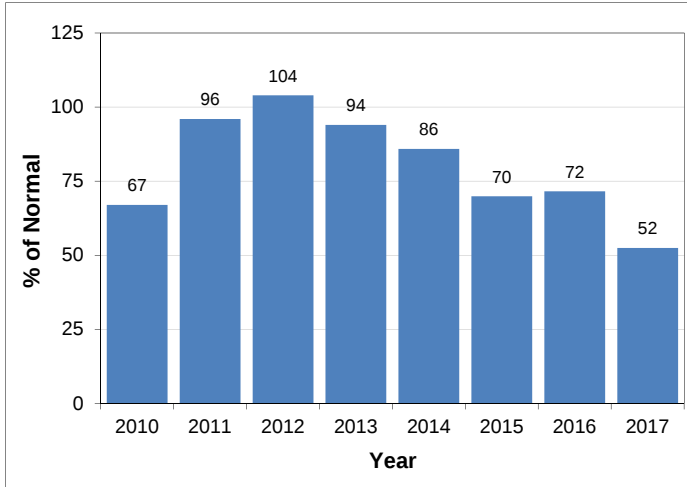


Peace

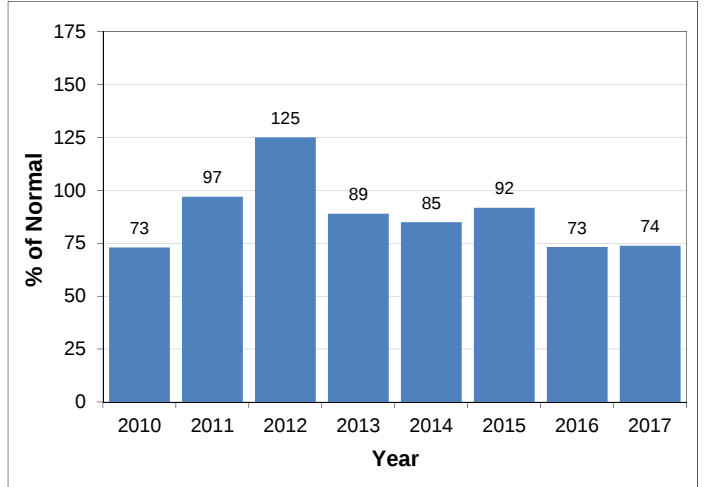


Snow Basin Index Graphs - March 1, 2017

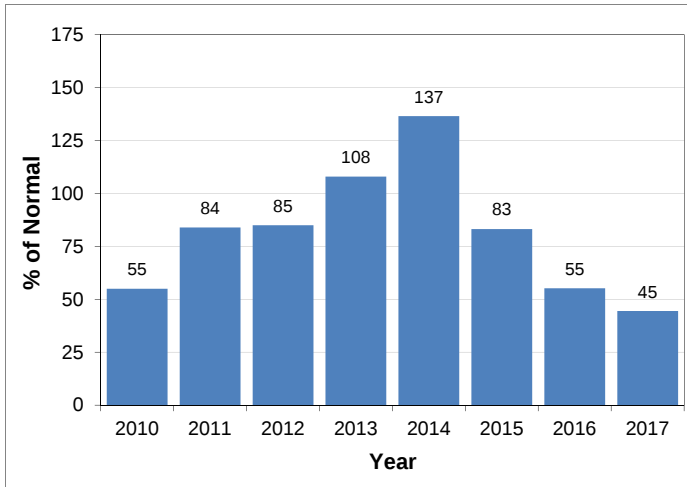
Stikine



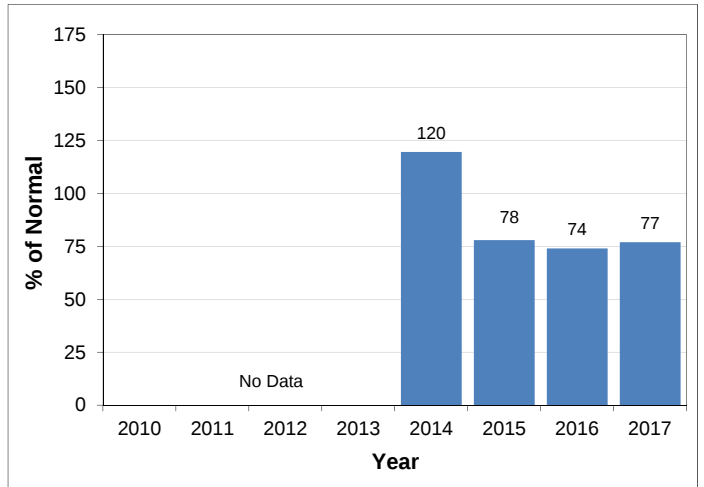
Skeena-Nass



Liard



Northwest



River Forecast Centre
Ministry of Forests, Lands and Natural Resource Operations
Volume Runoff Forecast March 2017

Location	Mar - Jun Runoff				Mar - Jul Runoff				Mar - Sep Runoff			
	Forecast (kdam ³)	Normal (1981- 2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981- 2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981- 2010) (kdam ³)	% of Normal	Std. Error (kdam ³)
Upper Fraser Basin	Fraser at McBride				3509	3786	93	331	4951	5252	94	390
	McGregor at Lower Canyon				3728	4087	91	490	4798	5132	93	639
	Fraser at Shelley				13731	16310	84	1494	18277	20369	90	1832
Middle Fraser Basin	Quesnel River at Quesnel				4031	4747	85	510	5219	6078	86	670
Thompson Basin	N. Thompson at McLure				8604	9190	94	536	10771	11359	95	826
	S. Thompson at Chase				5635	6111	92	566	7108	7678	93	832
	Thompson at Spences Bridge				14858	15775	94	1174	18794	19755	95	1814
Bulkley and Skeena	Bulkley at Quick				2507	2709	93	1361	3086	3306	93	1939
	Skeena at Usk				17565	19187	92	1335	21884	23531	93	1809
Nicola Lake	Inflows	127	126	101	31	145	143	101	35			
Nicola River	at Spences Bridge	557	523	106	82	634	591	107	103			
Similkameen River	at Nighthawk	1254	1342	93	158				1519	1652	92	184
	at Hedley	1027	1045	98	134				1193	1233	97	151
Okanagan and Kalamalka- Wood Lake	Okanagan Lake Inflow	457	470	97	89	485	497	98	110			
	Kalamalka-Wood Lake Inflow	19	31	60	12	18	33	56	15			
Cowichan River	Cowichan Lake Inflows	406	423	96	70				453	467	97	74

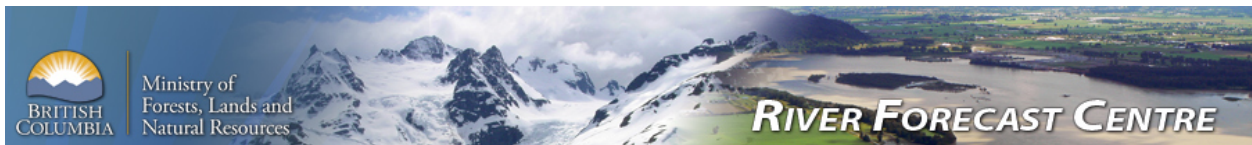
Note: 1 kdam³=1,000,000 m³

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



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

The April 1st snow survey is now complete. Data from 143 snow courses and 68 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

March weather was dominated by prolonged periods of cool and moist unstable conditions particularly in southern British Columbia. These conditions were interspersed with periods of strong influence from cold arctic air, particularly over northern BC, and a number of Pacific frontal systems which delivered warmer and wetter weather over southern BC.

For the month of March, temperatures were 0.5 to 2°C below normal through most of BC, and up to 4°C below normal in northern British Columbia. Temperature anomalies were more pronounced for daily maximum temperatures than daily minimum temperatures. March was extremely wet for most areas of southern BC, with many areas in the south-west recording 150-200% of normal March precipitation, and areas in the south-east receiving 200-300% of normal precipitation. In the northern half of the province, March precipitation tended to be closer to normal, or slightly below-normal.

Snowpack

Cool and wet weather through March has led to a significant increase in snowpack conditions across the province, with the biggest increases being observed in south and south-east BC. Provincially, snow basin indices trended closer to normal, with the provincial average for all April 1st snow measurements at 98% of normal. This has increased from the average of 85% for March 1st.

Snow basin indices for April 1st 2017 range from a low of 62% of normal in the Liard to a high of 123% of normal in the Lower Fraser (Table 1 and Figure 1). Below-normal snowpack (65-80%) is present in the Upper Fraser and Peace, and well below-normal (<65%) in the Stikine and Liard. Slightly elevated snowpacks (110-120%) are present in the West Kootenay, East Kootenay, Skagit and South Coast, and elevated (>120%) in the Lower Fraser. Other areas of the province have near-normal April 1st snow basin indices. The April 1st basin index for the entire Fraser Basin is 100% of normal.

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.

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

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

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	71	Boundary	86
Upper Fraser East	75	Similkameen	95
Nechako	106	South Coast	115
Middle Fraser	97	Vancouver Island	102
Lower Fraser	123	Central Coast	96
North Thompson	103	Skagit	111
South Thompson	106	Peace	76
Upper Columbia	100	Skeena-Nass	85
West Kootenay	119	Stikine	64
East Kootenay	116	Liard	62
Okanagan	105	Northwest	80

Streamflow

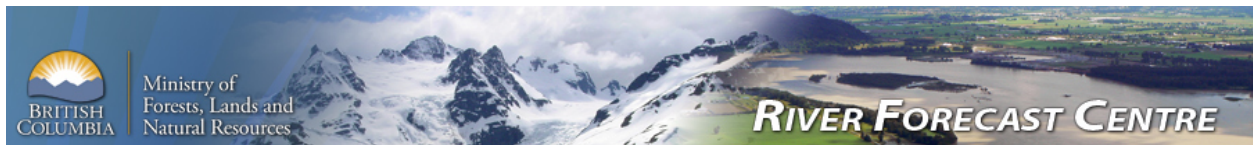
With extremely wet weather through March, many rivers of the province are flowing well above normal for early April. Snowmelt at lower elevations has led to increased runoff in smaller stream systems and the start of freshet flows in some large river systems.

Outlook

Neutral El Niño (ENSO) conditions are now present in the Pacific Ocean, and the Climate Prediction Centre (CPC) at the U.S. National Weather Service/NOAA is forecasting that neutral conditions are favoured to persist through the spring of 2017, with increasing chances for El Niño development into the fall period. Negative sea surface temperature anomalies are present in the North Pacific Ocean west of British Columbia. Seasonal forecasts from Environment and Climate Change Canada indicate an increased likelihood of above-normal temperatures over the April-June period, particularly for northern BC.

Seasonal volume runoff forecasts (see below) are near normal for most basins across the province. Higher than normal seasonal runoff is expected in the Nicola and Okanagan basins.

By early April, 96% of the annual BC snowpack has typically accumulated, with maximum accumulation generally occurring in the middle of the month. Significant snow accumulation over the past month has led to an increase in seasonal flood risk across most of the province. Most areas of the province are entering into the spring freshet with normal levels of seasonal flood risk. This includes the Nechako, Middle Fraser, South Thompson, North Thompson, Upper Columbia, Okanagan and Similkameen. The West Kootenay and East Kootenay have moderately high snow packs, and subsequent moderately increased seasonal flood risk. In the Lower Fraser, tributary watersheds typically experience flooding due to fall-winter storms; however they can experience high freshet flows that can cause flood issues. Due to high snowpacks in the Lower Fraser (>120%), areas such as the Lillooet



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River and tributaries have an increased likelihood of higher than normal freshet flows this season.

Normal seasonal flood risk is present for the Fraser River through the Fraser Valley and Lower Mainland. The expected peak flow for the Fraser River at Hope is 8000-9000 m³/s, or mean annual flood level; higher or lower flows are possible depending on weather conditions.

While snowpack is an important factor in seasonal flooding, weather during the melt season, particularly extreme rainfall events can also create flood risk even in years with low or average snowpack.

Well-below normal snowpack in the Stikine and Liard, and below normal snowpack in the Upper Fraser indicate the potential for increased risk of low flows this summer. Summer weather is also an important factor in summer low flows, particularly on Vancouver Island and northeast BC, and wet or dry weather through the summer period can affect the risk of low streamflow regardless of snowpack.

With two to four weeks remaining in the snow accumulation season, changes to the seasonal runoff outlook are possible, but at this stage would require extremely wet or cool conditions to make a significant impact on seasonal flood risk by either accumulating more snow, or delaying the melt season.

The River Forecast Centre will continue to monitor snowpack conditions and will provide an updated seasonal flood risk forecast in the May 1st 2017 bulletin, which is scheduled for release on May 8th.

BC River Forecast Centre
April 6, 2017

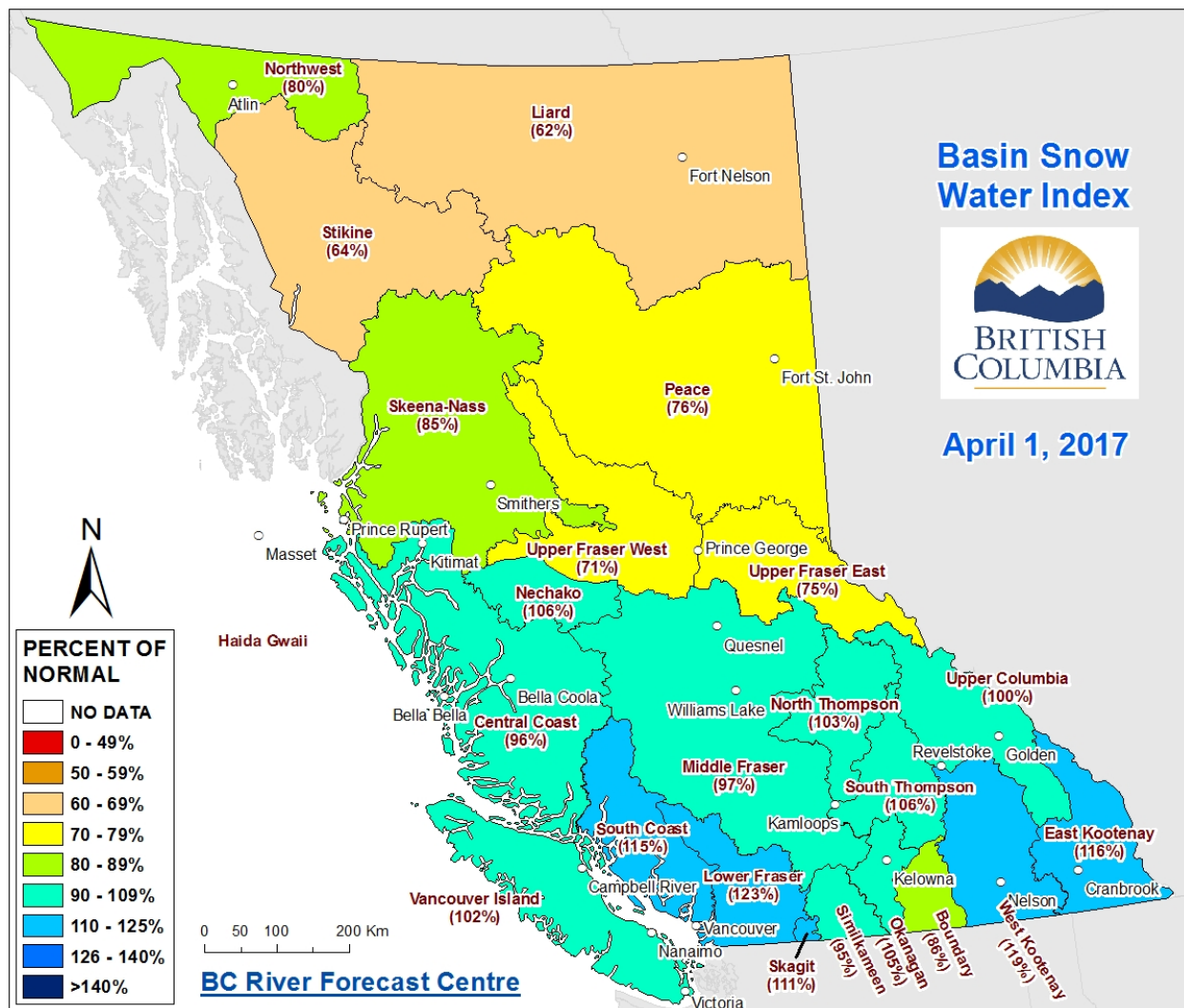


Ministry of
Forests, Lands and
Natural Resources

RIVER FORECAST CENTRE

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

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



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2017 Automated Snow Weather Station/Manual Snow Survey Data				April					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	2017-04-01	151	458		85%	485	510	254	784	541	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-04-01	147	391		88%	393	485	198	693	442	25
1A03P	Barkerville	Upper Fraser East	1483	2017-04-01	111	296		81%	251	274	123	524	364	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	N	N	N	N		632		296	1234	768	63
1A05P	Longworth Upper	Upper Fraser East	1740	2017-04-01	7	523								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS				72	442	176	20
1A10	PRINCE GEORGE A	Upper Fraser East	684	2017-04-03	0	0		0%	0	0	0	313	98	55
1A11	PACIFIC LAKE	Upper Fraser East	756	2017-04-01	118	423		70%	297	391	165	1060	608	54
1A12	KAZA LAKE	Upper Fraser West	1247	2017-03-30	98	251		74%	270	345	132	476	341	54
1A12P	Kaza Lake	Upper Fraser West	1248	2017-04-01	117	269			290		290	290		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-04-01	185	482		60%	407	538	214	1288	801	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	2017-04-01	197	605		76%		817	506	1346	801	50
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-04-01	199	499								0
1A16	BURNS LAKE	Upper Fraser West	820	2017-04-03	19	60		50%	26	128	0	264	119	47
1A17P	Revolution Creek	Upper Fraser East	1676	2017-04-01	220	562		72%	699	763	326	1292	783	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-04-01	525	577		79%	591	761	298	1069	732	11
1A23	BIRD CREEK	Upper Fraser West	1196	2017-03-31	44	104		74%	146	210	84	270	140	27
1B01	MOUNT WELLS	Nechako	1489	2017-03-31	157	525		107%	381	602	273	690	490	62
1B01P	Mount Wells	Nechako	1489	2017-04-01		563		101%	427	722	227	869	557	25
1B02	TAHTSA LAKE	Nechako	1319	2017-03-30	344	1239		103%	1026	1175	775	1972	1202	64
1B02P	Tahtsa Lake	Nechako	1319	2017-04-01		1335		104%	1166	1202	464	2227	1278	25
1B05	SKINS LAKE	Nechako	877	2017-03-31	15	68		76%	42	107	0	203	90	53
1B06	MOUNT SWANNELL	Nechako	1596	2017-03-31	100	261		93%	249	378	148	490	282	28
1B07	NUTLI LAKE	Nechako	1502	2017-03-31	166	556		107%	414	523	301	834	518	26
1B08P	Mount Pondosy	Nechako	1413	2017-04-01		886		112%	732	968	363	1152	790	25
1C01	BROOKMERE	Middle Fraser	994	2017-03-30	64	182		106%	138	45	45	399	171	72
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2017-03-30	176	566		99%	544	381	239	1118	572	65
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS				0	147	22	60
1C08	NAZKO	Middle Fraser	1029	N	N	N	N		0	13	0	142	46	59
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	2017-04-03	58	144		173%	70	230	3	249	83	50
1C12P	Green Mountain	Middle Fraser	1766	2017-04-01		729		83%	968	694	429	1408	878	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	2017-04-02	151	422		91%	518	446	282	716	466	47
1C14	BRALORNE	Middle Fraser	1382	2017-03-30	72	241		158%	158	0	0	389	153	54
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-03-30	87	237		80%	373	219	161	533	296	56
1C18P	Mission Ridge	Middle Fraser	1903	2017-04-01		653		119%	451	385	157	1012	550	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	2017-04-03	74	163		154%	88	140	21	307	106	50
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-04-01	179	496		85%	672	525	255	866	585	23

1C21	BIG CREEK	Middle Fraser	1130	2017-03-31	0	0		0%	0	0	0	119	14	47
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	2017-03-29	0	0		0%	0	0	0	91	19	47
1C23	PENFOLD CREEK	Middle Fraser	1687	2017-03-22	251	888		91%		749	525	1285	979	45
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	2017-03-30	76	211		166%	171	0	0	228	127	44
1C28	DUFFEY LAKE	Middle Fraser	1253	2017-03-31	142	491		102%	522	212	212	866	480	39
1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456	2017-03-31	85	275		124%	239	16	16	442	222	38
1C32	DEADMAN RIVER	Middle Fraser	1463		N	N	N		100	54	30	196	104	33
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175		N	N	N		177	93	93	272	188	11
1C37	BRALORNE(UPPER)	Middle Fraser	1980	2017-03-30	223	734		110%	684	504	290	1010	665	22
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	2017-03-30	245	890		105%	942	780	422	1416	847	22
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-04-01		810			781		781	781		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2017-03-30	190	616		106%	736	460	240	1086	580	22
1C40	TYAUGHTON	Middle Fraser	1946	2017-03-30	128	372		85%	430	328	198	844	440	22
1C40P	North Tyauthton	Middle Fraser	1969	2017-04-01		310			375		375	375		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-04-01	195	668		84%	754	826	365	1013	794	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	2017-03-28	82	218			286	186	174	284		12
1D06P	Tenquille Lake	Lower Fraser	1669	2017-04-01	361	1242		122%	1220	857	526	1587	1014	16
1D08	STAVE LAKE	Lower Fraser	1211		N	N	N		1453	98	98	2750	1448	49
1D09	WAHLEACH LAKE	Lower Fraser	1395		N	N	N		488	33	33	1270	588	49
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-04-01		668		65%	702	265	265	1640	1026	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530		N	N	N		1476	468	468	2410	1296	49
1D16	DICKSON LAKE	Lower Fraser	1147	2017-03-30	393	1626		109%	1276	56	56	2990	1497	24
1D17P	Chilliwack River	Lower Fraser	1621	2017-04-01	340	1592		111%	1461	666	590	2418	1435	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-04-01	348	1738		109%	1471	166	166	2745	1600	18
1E01B	BLUE RIVER	North Thompson	673	2017-03-31	82	290		107%	260	189	154	425	272	34
1E02P	Mount Cook	North Thompson	1574	2017-04-01	352	1155		96%	1515	1156	684	1480	1209	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	2017-04-01	196	590		110%	540	492	332	888	537	42
1E05	KNOUFF LAKE	North Thompson	1189	2017-03-28	50	160		119%	120	0	0	274	134	62
1E07	ADAMS RIVER	North Thompson	1769	2017-03-31	234	750		111%	810	566	435	1069	673	47
1E08P	Azure River	North Thompson	1625	2017-04-01	314	1180		104%	1126	1249	528	1538	1135	20
1E10P	Kostal Lake	North Thompson	1760	2017-04-01		850		100%	881	793	417	1169	850	32
1E14P	Cook Creek	North Thompson	1280	2017-04-01	157									1
1F01A	ABERDEEN LAKE	South Thompson	1262	2017-04-04	52	145		117%	138	101	6	259	124	75
1F02	ANGLEMONT	South Thompson	1168	2017-03-29	89	300		93%	272		142	561	321	60
1F03P	Park Mountain	South Thompson	1857	2017-04-01	268				919	797	379	1207	852	32
1F04P	Enderby	South Thompson	1950	2017-04-01										0
1F06P	Celista Mountain	South Thompson	1533	2017-04-01	257	879		101%	1132	827	506	1117	867	12
2A01A	CANOE RIVER	Upper Columbia	866	2017-03-30	37	116		178%	0	0	0	262	65	75
2A02	GLACIER	Upper Columbia	1249	2017-03-26	166	611		91%	659	480	362	1161	670	80
2A03A	FIELD	Upper Columbia	1310	2017-03-30	42	134		98%	112	49	8	251	137	78
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-04-01		1199		99%	1288	1003	595	1686	1210	24
2A07	KICKING HORSE	Upper Columbia	1648	2017-03-29	104	301		95%	312	236	160	589	317	69

2A11	BEAVERFOOT	Upper Columbia	1924	2017-03-31	79	226		118%	242	126	105	460	191	69
2A14	MOUNT ABBOT	Upper Columbia	2031	2017-03-27	365	1300		108%	1239	963	600	1849	1199	58
2A16	GOLDSTREAM	Upper Columbia	1914	2017-03-30	336	1221		108%	1164	1074	584	1638	1133	54
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2017-03-26	317	1128		93%	1200	1021	590	1951	1210	54
2A18	KEYSTONE CREEK	Upper Columbia	1839	N	N	N	N		844	667	414	1388	788	51
2A18P	Keystone Creek	Upper Columbia	1850	2017-04-01		1066			966		966	966		1
2A19	VERMONT CREEK	Upper Columbia	1533	2017-03-31	144	490		123%	500	219	190	843	397	51
2A21P	Molson Creek	Upper Columbia	1930	2017-04-01		1017		99%	945	965	481	1551	1029	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	2017-03-30	279	955		108%	831	819	469	1384	885	50
2A23	BUSH RIVER	Upper Columbia	1982	2017-03-30	257	875		108%	753	715	455	1331	809	50
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2017-03-30	383	1360		117%	1333	1105	671	1816	1163	45
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2017-03-30	171	644		97%	682		338	1032	664	39
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2017-03-30	407	1474		110%	1474	1066	335	2360	1334	39
2A30P	Colpitti Creek	Upper Columbia	2131	2017-04-01		907			803		803	803		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-04-01		1053			946		946	946		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-04-01		635			523		523	523		1
2B02A	FARRON	Lower Columbia	1229	2017-03-31	103	350		117%	347	127	127	480	300	44
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	2017-04-03	182	588		92%	678	457	350	964	638	59
2B06P	Barnes Creek	Lower Columbia	1595	2017-04-01		428		81%	629	498	272	773	530	24
2B07	KOCH CREEK	Lower Columbia	1813	2017-04-03	252	819		113%	907		397	1156	722	57
2B08P	St. Leon Creek	Lower Columbia	1822	2017-04-01		1189		111%	1148	1079	536	1553	1072	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-03-31	260	905		128%	895	388	315	1307	708	42
2C01	SINCLAIR PASS	East Kootenay	1374	2017-03-29	37	96		88%	116	45	36	262	109	80
2C04	SULLIVAN MINE	East Kootenay	1580	2017-03-30	102	326		120%	264	174	114	538	272	71
2C07	FERNIE EAST	East Kootenay	1213	2017-04-02	94	348		122%	205	24	24	605	286	66
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-04-01		689		98%	719	488	308	1224	704	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-04-01	128	561		136%	398	263	184	679	412	38
2C14P	Floe Lake	East Kootenay	2110	2017-04-01		850		122%	650	648	331	983	695	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	2017-03-31	227	673		131%	528	512	252	816	514	48
2C16	MOUNT JOFFRE	East Kootenay	1763	2017-03-31	124	358		103%	366	308	179	711	349	48
2C17	THUNDER CREEK	East Kootenay	2062	2017-03-31	107	312		120%	330	214	140	475	259	48
2D02	FERGUSON	West Kootenay	929	N	N	N	N		611	414	142	881	550	79
2D03	SANDON	West Kootenay	1072	2017-04-01	95	375		114%	241	154	71	585	330	74
2D04	NELSON	West Kootenay	952	2017-03-31	74	283		85%	156	5	5	622	334	79
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	N	N	N	N		498	276	276	688	440	69
2D06	CHAR CREEK	West Kootenay	1290	2017-03-28	160	557		106%	488	241	214	940	525	51
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	2017-03-28	46	180		217%			0	223	83	25
2D08P	East Creek	West Kootenay	2004	2017-04-01		1044		121%	999	871	442	1245	863	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	N	N	N	N		1078		520	1608	1013	46
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	N	N	N	N		855	599	492	1123	722	48
2D14P	Redfish Creek	West Kootenay	2086	2017-04-01	505	1687		142%	1596	1427	751	1755	1188	15
2E01	MONASHEE PASS	Kettle	1387	2017-04-03	98	283		87%	356	258	165	517	324	68

2E02	CARMI	Kettle	1254	2017-03-29	39	88		77%	31	0	0	290	115	54
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2017-03-29	166	396		83%	608	319	319	762	476	51
2E07P	Grano Creek	Kettle	1874	2017-04-01		479		93%	703	400	285	791	516	19
2F01A	TROUT CREEK (West)	Okanagan	1430	2017-03-26	62	163		83%	211	132	93	272	196	7
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2017-03-30	84	227		115%	290	171	96	389	197	81
2F03	MC CULLOCH	Okanagan	1266	2017-03-29	38	144		109%	168	6	6	249	132	82
2F04	GRAYSTOKE LAKE	Okanagan	1818	N	N	N	N		390		168	828	339	43
2F05P	Mission Creek	Okanagan	1794	2017-04-01	167	432		90%	627	396	242	728	478	47
2F07	POSTILL LAKE	Okanagan	1358	N	N	N	N		239	90	90	348	202	67
2F08P	Greyback Reservoir	Okanagan	1550	2017-04-01	78	257								0
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2017-04-01	180	555		107%	785	389	318	1021	521	64
2F10P	Silver Star Mountain	Okanagan	1839	2017-04-01	290	649			786		786	786		1
2F11	ISINTOK LAKE	Okanagan	1651	2017-03-30	60	141		95%	144	114	66	340	148	52
2F12	MOUNT KOBAN	Okanagan	1817	2017-03-31	121	375		123%	481	229	105	602	304	51
2F13	ESPERON CR (UPPER)	Okanagan	1634	2017-04-01	127	386		101%	524	260	244	805	383	51
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	2017-04-01	107	318		97%	516	224	196	607	328	51
2F18P	Brenda Mine	Okanagan	1453	2017-04-01		308		89%	436	190	190	497	345	24
2F19	OOYAMA LAKE	Okanagan	1365	2017-03-31	69	182		118%	188		61	255	154	47
2F20	VASEUX CREEK	Okanagan	1403	2017-03-31	41	100		76%	176	44	40	239	132	46
2F21	BOULEAU LAKE	Okanagan	1405	2017-03-26	101	252		82%	344	160	160	564	306	46
2F23	MACDONALD LAKE	Okanagan	1742	2017-04-04	157	45		11%	596	307	257	677	428	39
2F24	ISLAHT LAKE	Okanagan	1492	N	N	N	N		480	145	145	501	309	35
2F25	POSTILL LAKE UPPER	Okanagan	1500	N	N	N	N		281	38	38	281		7
2G03P	Blackwall Peak	Similkameen	1934	2017-04-01	220	754		98%	893	636	403	1497	770	49
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	2017-03-31	73	181	B	84%	268	242	138	533	216	56
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	2017-03-31	74	208	B	106%	215	100	90	361	197	56
2G06	HAMILTON HILL	Similkameen	1477	2017-03-26	89	265	B	91%	220	119	83	851	291	57
3A01	GROUSE MOUNTAIN	South Coast	1126	2017-03-29	401	1694		146%	1150	0	0	2670	1160	81
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS	NS	NS	NS		826	15	15	1813	969	65
3A05	POWELL RIVER (LOWER)	South Coast	882	NS	NS	NS	NS		344	8	8	1554	651	58
3A09	PALISADE LAKE	South Coast	898	2017-03-30	371	1620		123%	1106	0	0	3560	1322	70
3A10	DOG MOUNTAIN	South Coast	1007	2017-03-31	347	1496		132%	1008	0	0	2720	1137	72
3A19	ORCHID LAKE	South Coast	1178	2017-03-30	512	1970		111%	1402	90	90	3770	1769	44
3A20	CALLAGHAN CREEK	South Coast	1009	2017-03-29	228	940		115%	1040	24	24	1604	820	40
3A22P	Nostetuko River	South Coast	1457	2017-04-01	121	516		91%	593	287	233	1074	568	28
3A24P	Mosley Creek Upper	South Coast	1655	2017-04-01	87	269		93%	238	334	147	567	288	28
3A25P	Squamish River Upper	South Coast	1387	2017-04-01		1595		101%	1725	715	715	2760	1584	27
3A26	CHAPMAN CREEK	South Coast	1022	2017-03-31	358	318		103%			704	1728	308	9
3A27	EDWARDS LAKE	South Coast	1070	N	N	N	N				398	1286	215	6
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2017-03-30	338	1432		96%	1667	30	30	3550	1485	62
3B02A	MOUNT COKELY	Vancouver Island	1267	N	N	N	N		790	0	0	2100	831	36
3B04	ELK RIVER	Vancouver Island	270	2017-03-30	15	55	T	162%	0	0	0	607	34	61

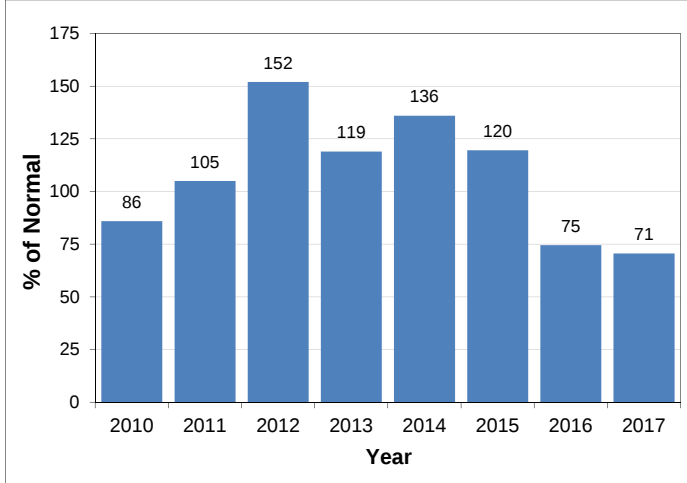
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	2017-03-30	345	1436		99%	1384	0	0	3200	1455	59
3B17P	Wolf River Upper	Vancouver Island	1422	2017-04-01		1162		88%	1473	382	305	2600	1320	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2017-03-30	155	560	A	91%	612	0	0	1706	618	47
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	2017-03-30	80	312		99%	150	0	0	1198	315	47
3B23P	Jump Creek	Vancouver Island	1134	2017-04-01	292	1334		123%	811	0	0	3040	1088	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-04-01	343	1745			1429		1429	1429		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-04-01	285									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	2017-03-29	99	380		99%	140	208	96	981	383	31
3C08P	Burnt Bridge Creek	North Coast	1329	2017-04-01	190	740		92%	649	847	382	1402	802	19
3D01C	SUMALLO RIVER WEST	Skagit	801	N	N	N	N		0	0	0	461	191	25
3D02	LIGHTNING LAKE	Skagit	1254	2017-03-26	86	262	B	94%	360	190	60	622	278	70
3D03A	KLESILKWA	Skagit	1134	2017-03-30	76	293		127%	110	0	0	792	231	69
4A02P	Pine Pass	Peace	1386	2017-04-01	271	859		84%	945	877	363	1550	1026	28
4A03	WARE (UPPER)	Peace	1563	2017-03-29	90	198		77%	162	233	90	390	258	55
4A03P	Ware Upper	Peace	1565	2017-04-01	89	203								0
4A04	WARE (LOWER)	Peace	969	2017-03-29	68	143		74%	167	180	89	316	194	55
4A04P	Ware Lower	Peace	971	2017-04-01	75	150								0
4A05	GERMANSEN (UPPER)	Peace	1489	2017-03-30	100	253		73%	318	352	156	523	348	56
4A06	TUTIZZI LAKE	Peace	1043	2017-03-30	72	188		73%	175	213	106	406	259	54
4A07	LADY LAURIER LAKE	Peace	1460	2017-03-28	154	436		82%	436	509	194	854	529	54
4A09	PULPIT LAKE	Peace	1331	2017-03-29	127	329		77%	353	420	152	618	425	54
4A09P	Pulpit Lake	Peace	1331	2017-04-01	112	282		64%	297	380	133	620	439	27
4A10	FREDRICKSON LAKE	Peace	1323	2017-03-30	75	149		60%	165	256	93	351	247	54
4A11	TRYGVE LAKE	Peace	1409	2017-03-29	114	285		77%	253	374	119	511	370	54
4A12	TSAYDAYCHI LAKE	Peace	1173	2017-03-30	121	346		87%	346	393	166	639	398	54
4A13	PHILIP LAKE	Peace	1013	2017-03-30	59	133		48%	251	221	137	449	279	54
4A16	MORFEE MOUNTAIN	Peace	1427	N	N	N	N		685		265	1158	833	48
4A18	MOUNT SHEBA	Peace	1480	N	N	N	N		676	839	369	1294	823	48
4A20	MONKMAN CREEK	Peace	1566	2017-04-01	169	535		99%	398	567	190	1067	540	43
4A21	MOUNT STEARNS	Peace	1514	2017-03-28	80	180		122%	81	156	41	239	147	43
4A25	FORT ST. JOHN A	Peace	692	2017-03-29	35	105		108%		129	0	226	97	42
4A27P	Kwadacha North	Peace	1554	2017-04-01	124	227								0
4A30P	Aiken Lake	Peace	1061	2017-04-01	68	191		71%	208	249	90	371	268	32
4A31P	Crying Girl Prairie	Peace	1358	2017-04-01		278			173		173	173		1
4A33P	Muskwa-Kechika	Peace	1196	2017-04-01		129			46		46	46		1
4A34P	Dowling Creek	Peace	1456	2017-04-01		444								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	2017-03-30	269	999		107%	685	915	622	1781	931	63
4B02	JOHANSON LAKE	Skeena-Nass	1480	2017-03-30	96	226		75%	270	306	108	417	301	54
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	2017-03-30	134	408		82%	392	536	168	846	499	45
4B04	CHAPMAN LAKE	Skeena-Nass	1485	2017-03-31	136	422		92%	375	425	315	762	457	52
4B06	TACHEK CREEK	Skeena-Nass	1133	2017-03-29	68	178		80%	208	244	112	362	223	49
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	2017-03-31	70	199		73%	222	276	183	427	271	49

4B08	MOUNT CRONIN	Skeena-Nass	1491	2017-03-31	170	549		96%	460	496	433	1097	570	48
4B10	NINGUNSAW PASS	Nass	647	N	N	N	N		199	220	220	730	434	42
4B11A	BEAR PASS	Nass	437	2017-03-27	115	430		67%	322		330	1013	642	30
4B12P	Granduc Mine	Skeena-Nass	790	2017-04-01	428	82								0
4B13A	TERRACE A	Skeena-Nass	219	2017-03-29	17	60		71%	0	0	0	333	84	37
4B14	EQUITY MINE	Skeena-Nass	1434	2017-03-29	136	406		105%	364	468	258	640	385	40
4B15	LU LAKE	Skeena-Nass	1296	2017-03-29	95	252		87%	250	360	162	504	291	40
4B15P	Lu Lake	Skeena-Nass	1308	2017-04-01	93	285		108%	259	436	119	478	264	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-04-01	190	532		59%	469	582	195	1096	896	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-04-01		934		80%	808	1088	302	1825	1165	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-04-01	126	472		66%	365	411	178	1126	712	16
4C01	SIKANNI LAKE	Liard	1390	2017-03-29	78	171		62%	158	287	78	380	276	54
4C01P	Sikanni Lake	Liard	1400	2017-04-01	80	171								0
4C02	SUMMIT LAKE	Liard	1291	2017-03-29	52	95		84%	54	124	0	240	113	53
4C03	DEASE LAKE	Liard	805	N	N	N	N		58		50	259	132	50
4C05	FORT NELSON AIRPORT	Liard	368	2017-03-29	45	96		102%	66	60	23	198	94	50
4C15	JADE CITY	Liard	943	N	N	N	N		150	156	156	340	238	15
4D01	TELEGRAPH CREEK	Stikine	490	N	N	N	N		14	85	37	343	146	40
4D02	ISKUT	Stikine	931	NS	NS	NS	NS		0		0	180	98	41
4D11P	Kinaskan Lake	Stikine	1020	2017-04-01	107	330		81%	237	323	94	323	405	21
4E02B	ATLIN LAKE	Yukon	730	2017-04-01	42	92			46		76	243		11

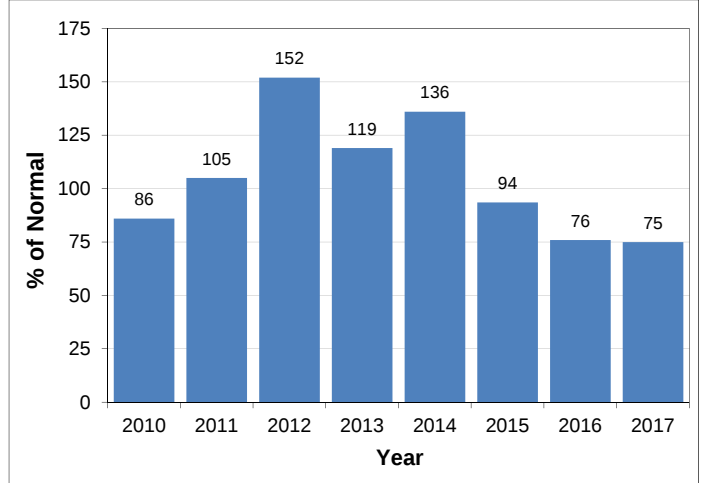
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - April 1, 2017

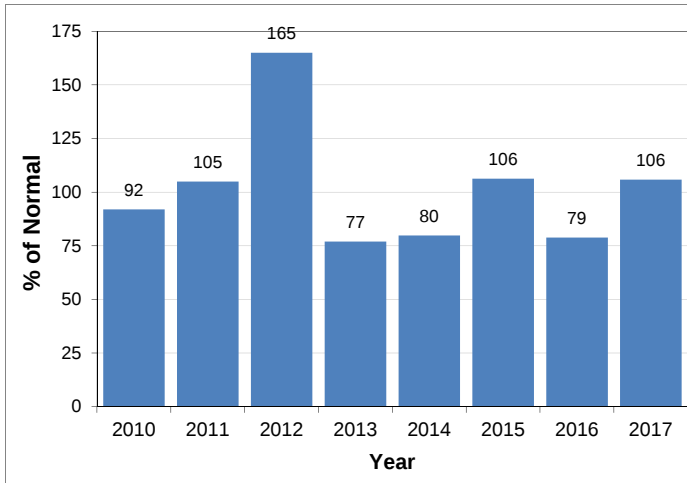
Upper Fraser West



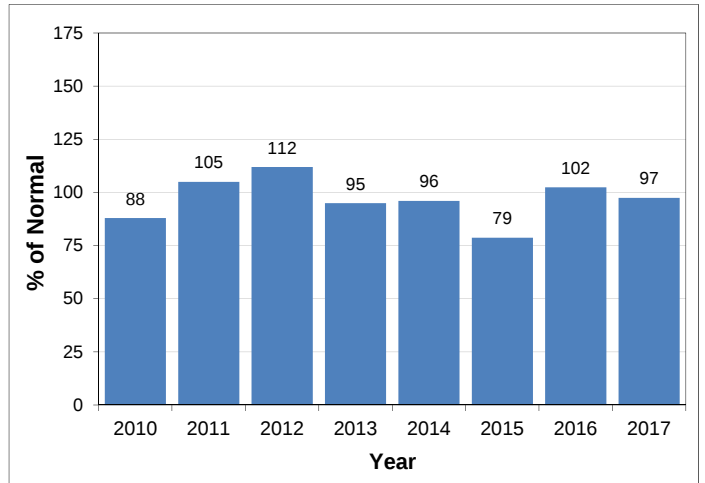
Upper Fraser East



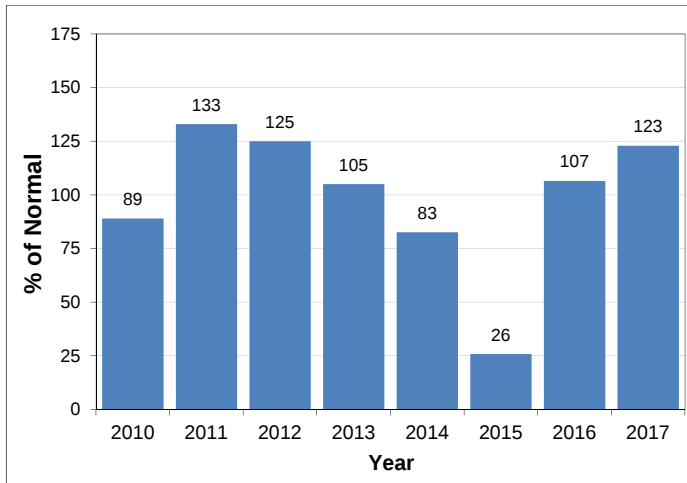
Nechako



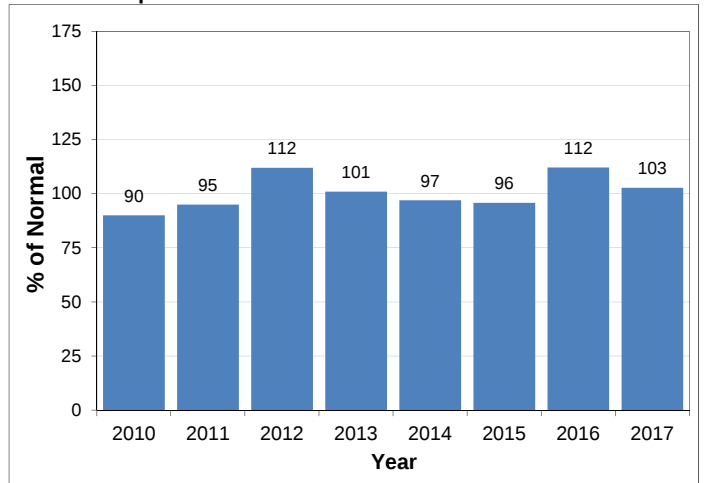
Middle Fraser



Lower Fraser

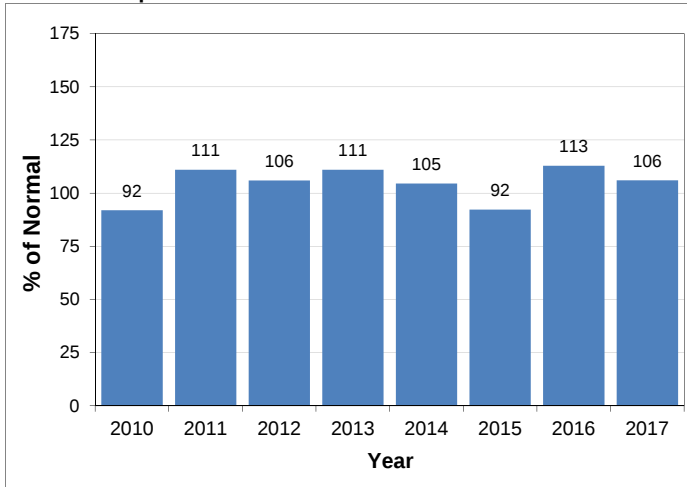


North Thompson

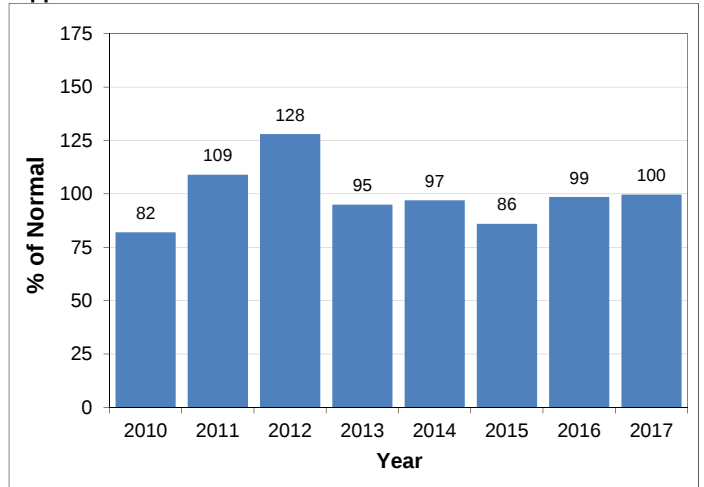


Snow Basin Index Graphs - April 1, 2017

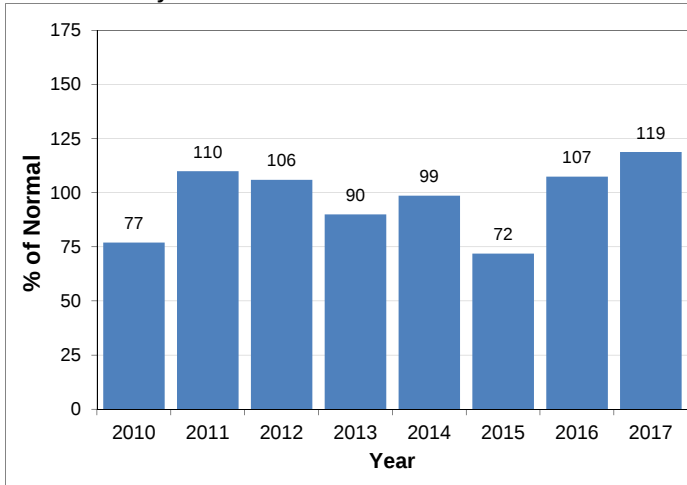
South Thompson



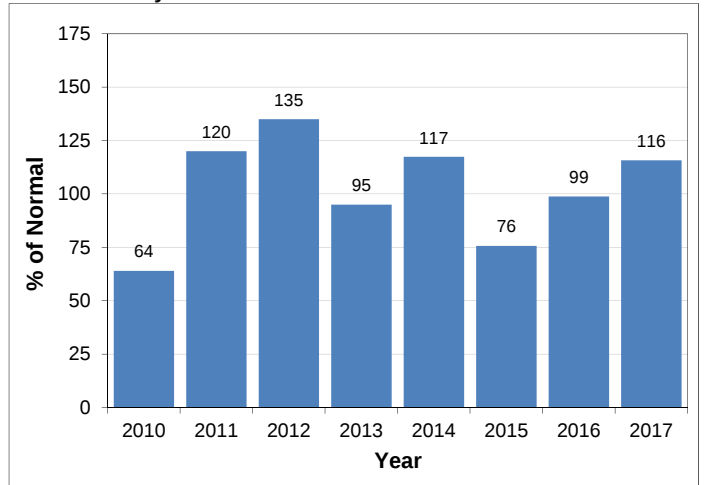
Upper Columbia



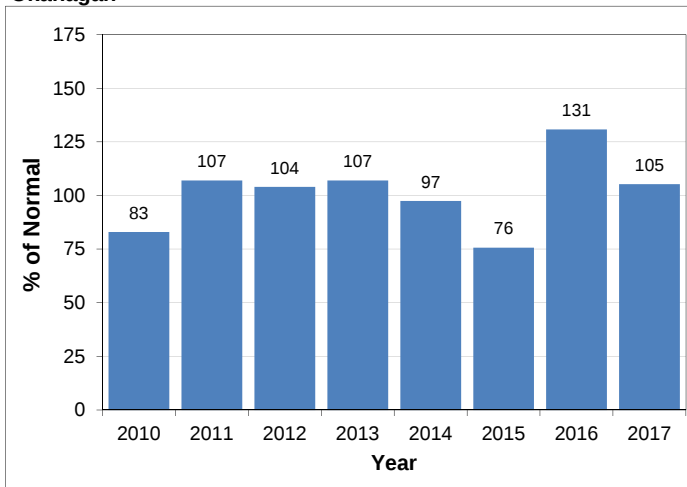
West Kootenay



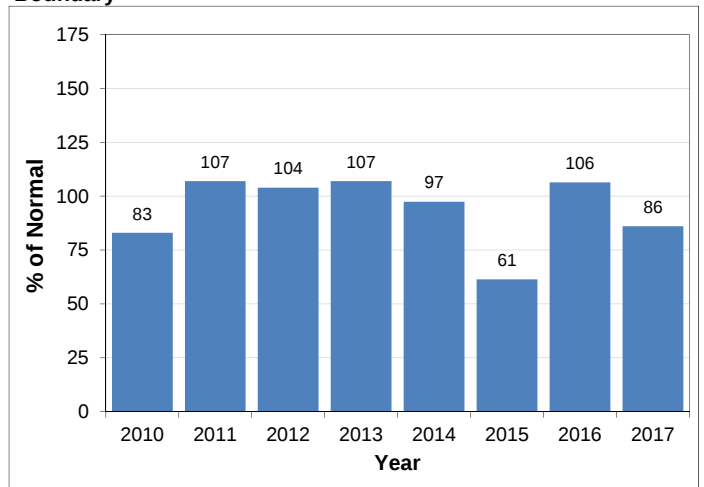
East Kootenay



Okanagan

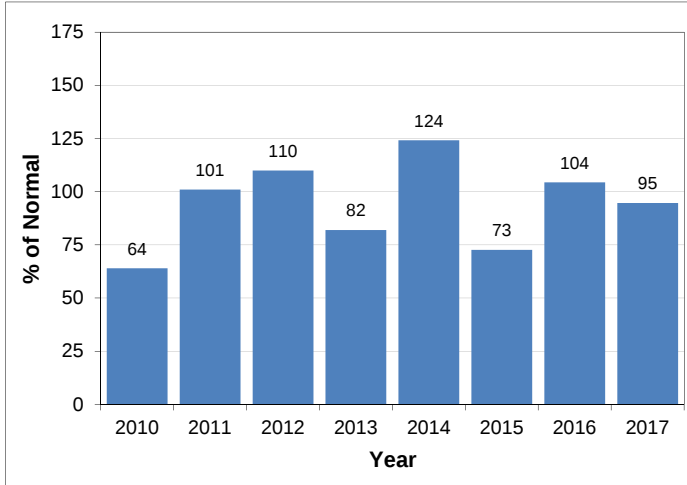


Boundary

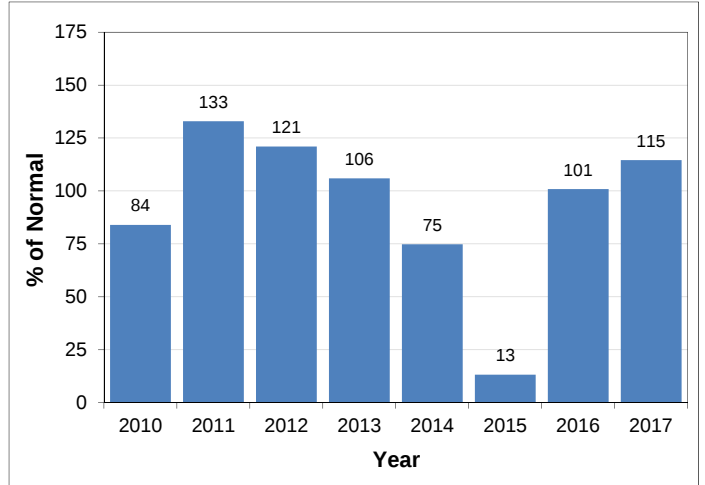


Snow Basin Index Graphs - April 1, 2017

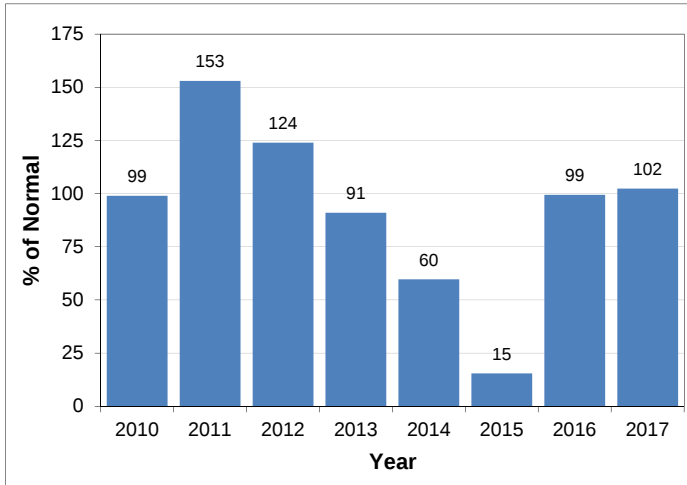
Similkameen



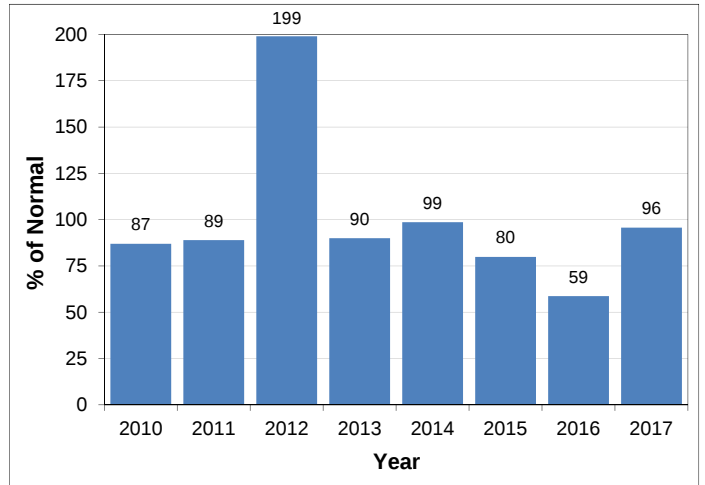
South Coast



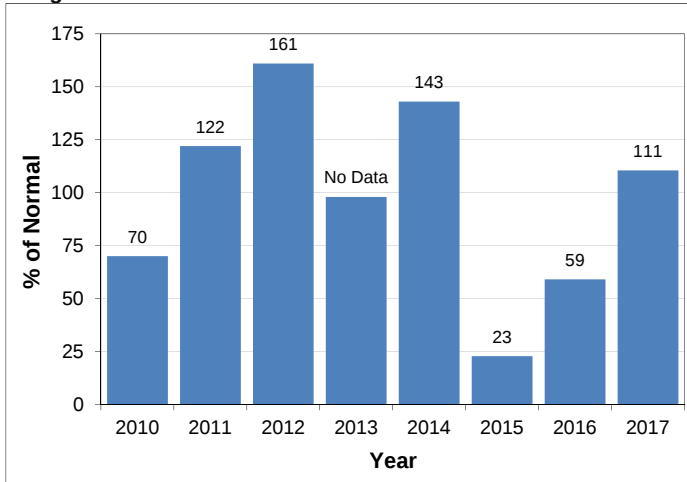
Vancouver Island



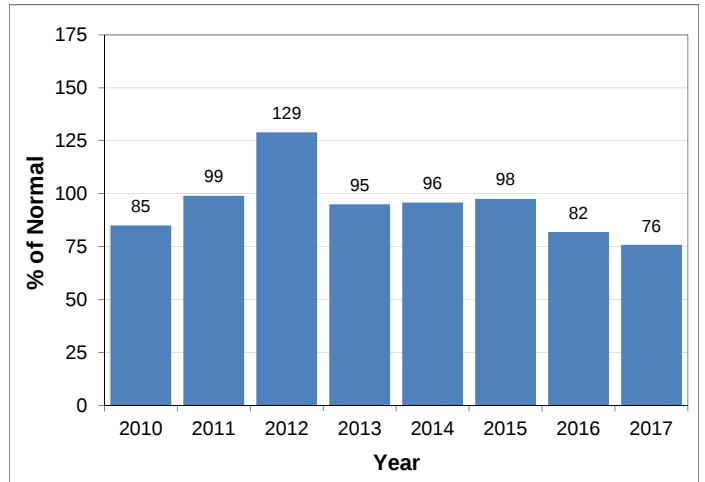
Central Coast



Skagit

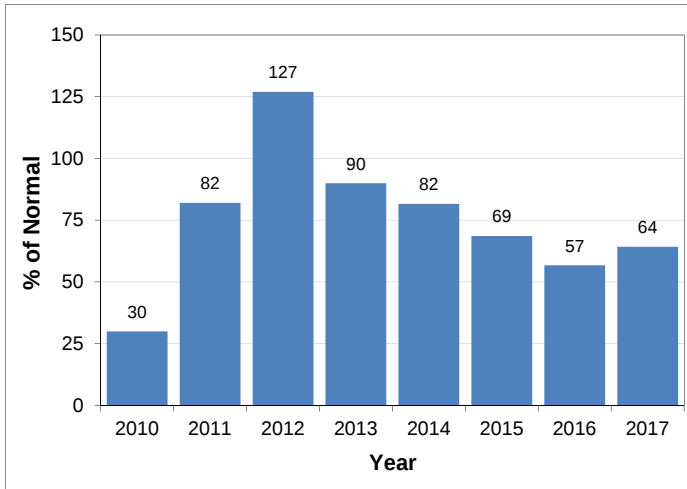


Peace

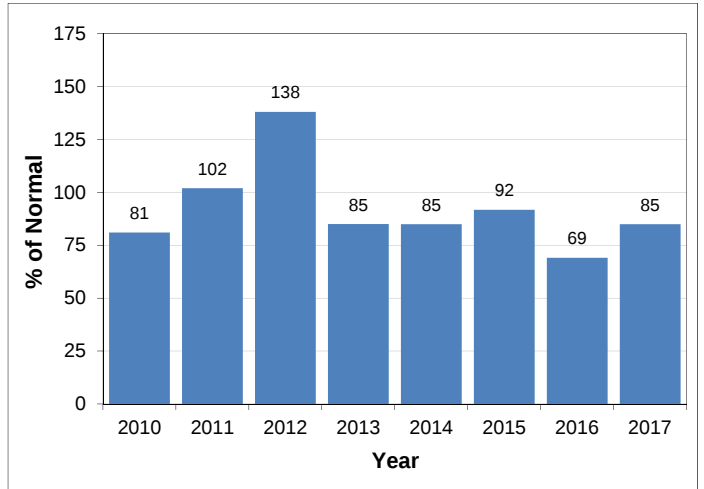


Snow Basin Index Graphs - April 1, 2017

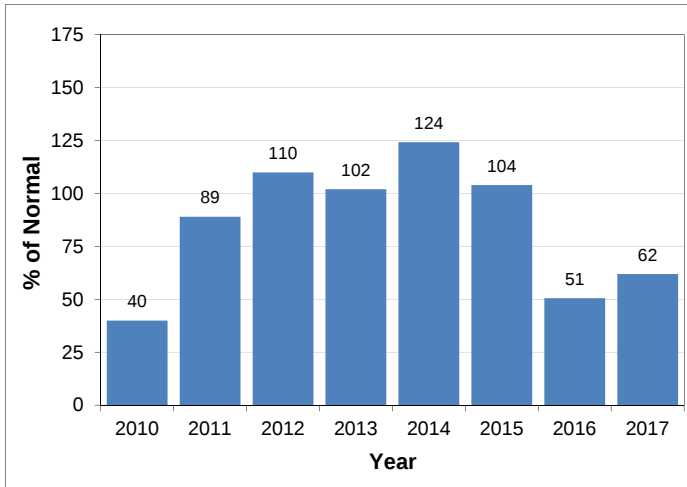
Stikine



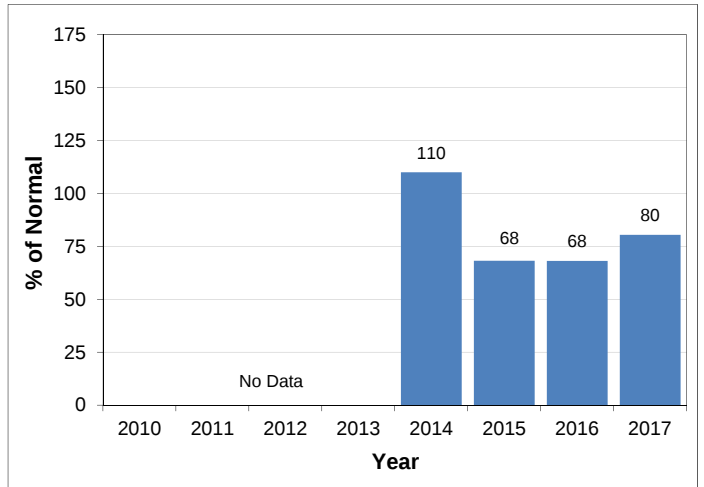
Skeena-Nass



Liard



Northwest



Ministry of Forests, Lands and Natural Resource Operations
River Forecast Centre
Volume Runoff Forecast April 2017

Location	Apr - Jun Runoff				Apr - Jul Runoff				Apr - Sep Runoff			
	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)
Upper Fraser Basin	Fraser at McBride				3426	3699	93%	307	4868	5166	94%	381
	McGregor at Lower Canyon				3283	3964	83%	428	4307	5010	86%	564
	Fraser at Shelley				12590	15670	80%	1179	16486	19730	84%	1562
Middle Fraser Basin	Quesnel River at Quesnel				3913	4541	86%	418	5115	5872	87%	568
Thompson Basin	N. Thompson at McLure				9241	8916	104%	481	11608	11085	105%	753
	S. Thompson at Chase				5725	5792	99%	448	7310	7359	99%	686
	Thompson at Spences Bridge				15538	15114	103%	973	19881	19094	104%	1560
Bulkley and Skeena	Bulkley at Quick				2636	2625	100%	236	3241	3222	101%	272
	Skeena at Usk				17667	18673	95%	1173	21901	23017	95%	1698
Nicola Lake	Inflows	184	121	153%	30	209	138	152%	35			
Nicola River	at Spences Bridge	557	523	106%	82	634	591	107%	103			
Okanagan and Kalamalka-Wood Lake	Okanagan Lake Inflow	530	440	120%	88	570	465	122%	108			
	Kalamalka-Wood Lake Inflow	23	28	82%	11	25	29	85%	13			
Similkameen River	Similkameen at Nighthawk	1381	1273	109%	128				1725	1583	109%	156
	Similkameen at Hedley	1150	989	116%	96				1387	1177	118%	96
Cowichan River	Cowichan Lake Inflows	263	248	106%	57				303	290	104%	57

1 kdam³=1,000,000 m³

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

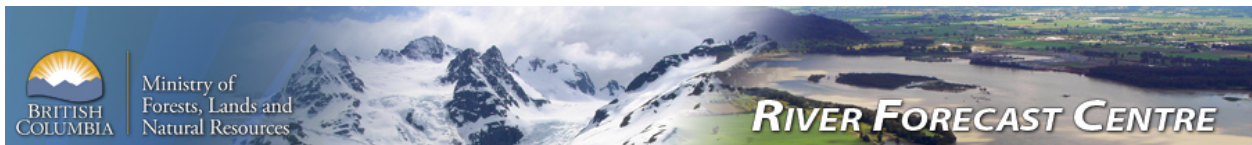
Disclaimer: Seasonal forecasts were developed using a Principle Component Analysis of snow pack, climate and streamflow data.

Cowichan Lake Inflows are based on a multi-variate regression analysis and reflects a normal scenario for summer weather conditions

The Standard Error in the Cowichan forecast reflects model error, and does not capture uncertainty over seasonal weather

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

Use at your own risk



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

The May 1st snow survey is now complete. Data from 118 snow courses and 71 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

April weather was dominated by prolonged periods of cool and moist unstable conditions particularly in southern British Columbia. Drier and warmer conditions prevailed in the northern half of the province.

For the month of April, temperatures were slightly below normal in most of southern BC (0.5 to 1.5 °C below normal) and slightly above normal in northern BC (1 to 2 °C above normal). Monthly precipitation was extreme through southern BC, particularly in the Central Interior, South Interior, Okanagan and Kootenay. In these regions precipitation was typically 150-300% of normal for April, and regionally one of the wettest Aprils on record. This follows on a trend of wetter conditions in southern BC since February. In the north-west, precipitation was generally drier than normal in April.

Snowpack

Cool and wet weather through April has led to a significant increase in snowpack conditions across the province, with the biggest increases being observed in south and south-east BC. This has been pronounced by a delay in the onset of the snow melt season by about two weeks in most regions of the province.

Snow basin indices for May 1st 2017 range from a low of 58% of normal in the Northwest to a high of 147% of normal in the Okanagan (Table 1 and Figure 1). Below-normal snowpack (65-80%) is present in the Upper Fraser and Peace, and well below-normal (<65%) in the Stikine, Liard and Northwest. Slightly elevated snowpacks (110-120%) are present in the Middle Fraser, North Thompson, South Thompson, Upper Columbia and Skagit, and elevated (>120%) in the Lower Fraser, West Kootenay, East Kootenay, Okanagan, Boundary, Similkameen and South Coast. Other areas of the province have near-normal May 1st snow basin indices. The May 1st basin index for the entire Fraser Basin is 108% of normal. Provincially, snow measurements have increased significantly, with the provincial average for all May 1st snow measurements at 118% of normal. This has increased from the average of 98% for April 1st.

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.

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

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

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	96	Boundary	121
Upper Fraser East	78	Similkameen	146
Nechako	109	South Coast	132
Middle Fraser	110	Vancouver Island	108
Lower Fraser	139	Central Coast	60
North Thompson	112	Skagit	114
South Thompson	115	Peace	76
Upper Columbia	115	Skeena-Nass	83
West Kootenay	134	Stikine	63
East Kootenay	137	Liard	64
Okanagan	147	Northwest	58

Streamflow

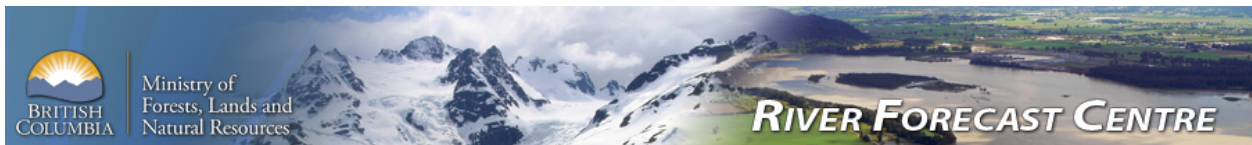
With extremely wet weather through the spring in southern BC, most rivers are flowing well above normal for early May, including extreme flows and flood conditions in areas of the Middle Fraser, South Thompson, Okanagan, Similkameen, and Boundary. Snowmelt and rainfall in the north-east has also led to much higher than normal flows than normal for early-May. Other areas of the province have near-normal flow conditions for this time of year.

Outlook

Neutral El Niño (ENSO) conditions are now present in the Pacific Ocean, and the Climate Prediction Centre (CPC) at the U.S. National Weather Service/NOAA is forecasting that neutral conditions are favoured to persist through the spring of 2017, with increasing chances for El Niño development into summer and fall period. Negative sea surface temperature anomalies are present in the North Pacific Ocean west of British Columbia. Seasonal forecasts from Environment and Climate Change Canada indicate an increased likelihood of above-normal temperatures over both the medium (second half of May) and long (May-July) range periods.

Seasonal volume runoff forecasts (see below) are near normal for most basins across the province. Well-above normal seasonal runoff (>120%) is forecasted in the Nicola, Similkameen and Okanagan basins.

This year the onset of the melt season has been delayed by about 2 weeks, with most regions firmly transitioned into the melting as of the first week of May. At low to mid-elevations (below 1500 m) much of the snow has melted, with significant snow still remaining higher up. Melt rates of 10-30 mm/day were observed last week at mid-elevation areas, and 5-15 mm/day at higher elevations.



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Significant snow accumulation over the past month has led to an increase in seasonal flood risk across most of the province. Elevated seasonal flood risk is present through the West Kootenay, East Kootenay, Similkameen, Okanagan and Boundary. Decreased seasonal flood risk is present in the Upper Fraser, Peace, Stikine, Liard and Northwest. Other areas of the province are entering into the spring freshet with normal levels of seasonal flood risk. In the Lower Fraser and South Coast, tributary watersheds typically experience flooding due to fall-winter storms; however they can experience high freshet flows that can cause flood issues. Due to high snowpacks in the Lower Fraser (>120%), areas such as the Lillooet River and tributaries have an increased likelihood of higher than normal freshet flows this season.

Normal seasonal flood risk is present for the Fraser River through the Fraser Valley and Lower Mainland. The expected peak flow for the Fraser River at Hope is 8500-9500 m³/s, or slightly above mean annual flood level; higher or lower flows are possible depending on weather conditions.

While snowpack is an important factor in seasonal flooding, weather during the melt season, particularly extreme rainfall events can also create flood risk even in years with low or average snowpack. Extremely wet seasonal weather, particularly in southern BC, has led to saturated ground conditions, and rivers are much more responsive to water inputs, such as rainfall or rapid snowmelt, than normal. Cold winter temperatures and healthy seasonal accumulations of low and mid elevation snow earlier this year are also contributing to these conditions.

Well-below normal snowpack in the Stikine and Liard, and below normal snowpack in the Upper Fraser indicate the potential for increased risk of low flows this summer. Summer weather is also an important factor in summer low flows, particularly on Vancouver Island and northeast BC, and wet or dry weather through the summer period can affect the risk of low streamflow regardless of snowpack.

Current advisories, warnings, freshet information, hydrometric monitoring, river modelling and snow data are available on the River Forecast Centre website:

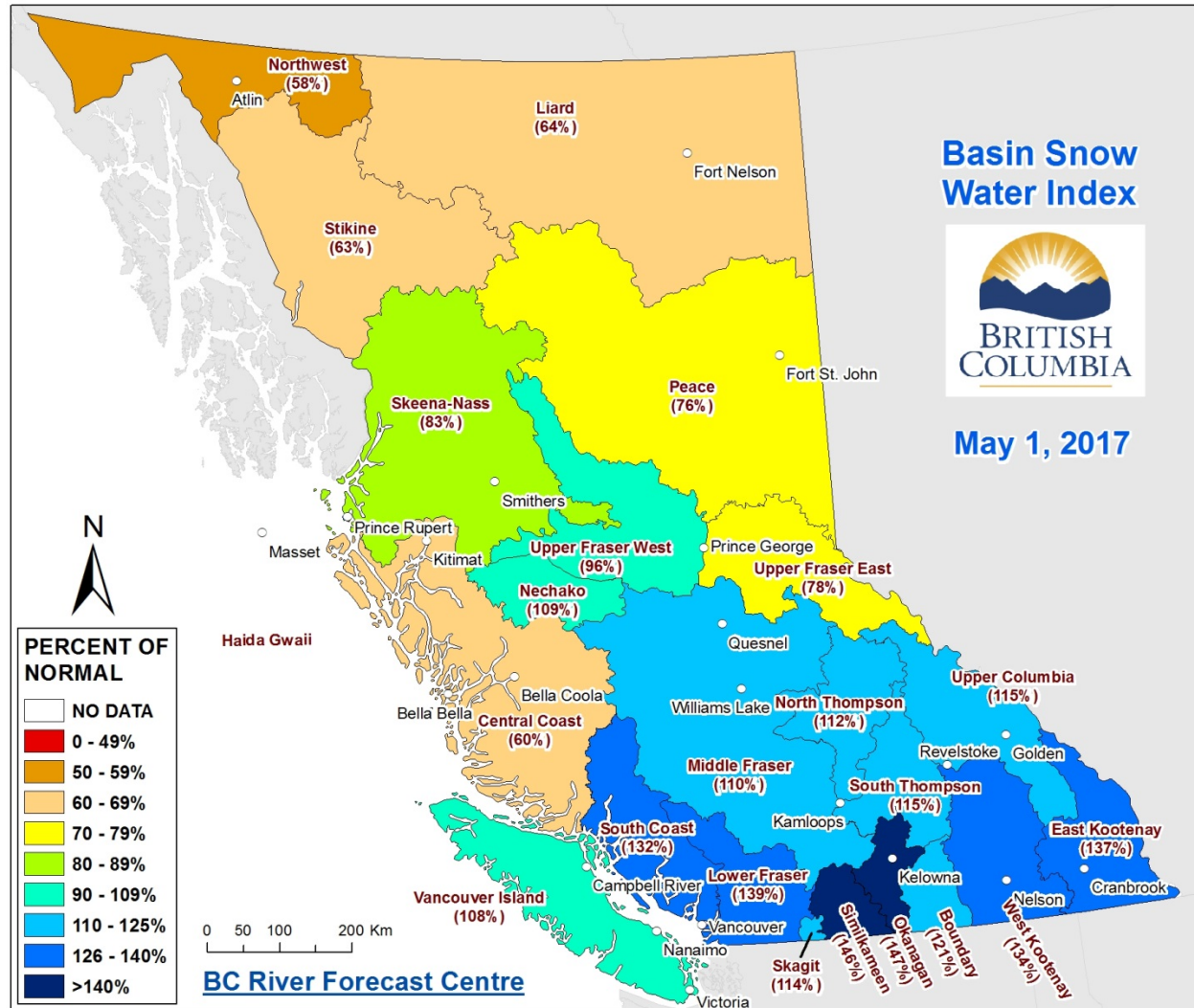
<http://bcrfc.env.gov.bc.ca/>.

The River Forecast Centre will continue to monitor snowpack conditions and will provide an updated seasonal flood risk forecast in the May 15th 2017 bulletin, which is scheduled for release on May 23rd.

BC River Forecast Centre
May 8, 2017

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



2017 Automated Snow Weather Station/Manual Snow Survey Data				May 1					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	2017-05-01	144	564		100%	386	537	254	833	565	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-05-01	118	430		93%	203	503	198	749	462	25
1A03P	Barkerville	Upper Fraser East	1483	2017-05-01	95	328		95%	2	200	123	604	346	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	N	N	N	N		462		296	1370	830	63
1A05P	Longworth Upper	Upper Fraser East	1740	2017-05-01	205	657								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS						0	2
1A10	PRINCE GEORGE A	Upper Fraser East	684	NS	NS	NS	NS				0	216	10	41
1A11	PACIFIC LAKE	Upper Fraser East	756	2017-04-26	77	297		59%	0	207	93	976	507	54
1A12	KAZA LAKE	Upper Fraser West	1247	2017-04-27	76	230		70%	200	328	132	481	328	54
1A12P	Kaza Lake	Upper Fraser West	1248	2017-05-01	87	241			193		193	193		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-05-01	162	427		52%	248	531	214	1279	820	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	2017-04-26	175	679		78%			501	1346	868	49
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-05-01	183	526								0
1A16	BURNS LAKE	Upper Fraser West	820	2017-05-01	0	0		0%	0	8	0	148	26	39
1A17P	Revolution Creek	Upper Fraser East	1676	2017-05-01	199	673		84%	517	837	326	1349	804	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-05-01	202	673		83%	535	831	298	1163	810	11
1A23	BIRD CREEK	Upper Fraser West	1196	2017-05-01	20	58		149%	0	130	0	204	39	26
1B01	MOUNT WELLS	Nechako	1489	2017-05-01	165	590		121%	255	663	201	958	487	63
1B01P	Mount Wells	Nechako	1489	2017-05-01		672		118%	325	805	227	919	569	25
1B02	TAHTSA LAKE	Nechako	1319	2017-05-01	293	1265		101%	877	1323	701	2073	1256	64
1B02P	Tahtsa Lake	Nechako	1319	2017-05-01		1359		100%	1012	1351	464	2348	1362	25
1B05	SKINS LAKE	Nechako	877	2017-05-01	0	0		0%	0		0	100	3	46
1B06	MOUNT SWANNELL	Nechako	1596	2017-05-01	100	312		109%	15	377	109	499	287	27
1B07	NUTLI LAKE	Nechako	1502	2017-05-01	150	579		113%	227	547	250	870	513	25
1B08P	Mount Pondosy	Nechako	1413	2017-05-01		1013		128%	527	1014	363	1277	794	25
1C01	BROOKMERE	Middle Fraser	994	2017-04-30	31	99		152%	0	0	0	419	65	71
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	2017-04-28	155	590		103%	321	362	239	1118	573	65
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS				0	0	0	16
1C08	NAZKO	Middle Fraser	1029	N	N	N	N				0	46	3	25
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	2017-05-03	39	101		505%	0		0	142	20	48
1C12P	Green Mountain	Middle Fraser	1766	2017-05-01		788		87%	736	711	429	1373	909	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	2017-04-25	130	460		113%	282	372	136	676	408	47
1C14	BRALORNE	Middle Fraser	1382	2017-04-28	49	161		278%	0		0	255	58	53
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-05-01	76	235		91%	90	142	118	536	257	56
1C18P	Mission Ridge	Middle Fraser	1903	2017-05-01		659		133%	238	341	147	1028	496	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	2017-05-03	44	160		296%	0		0	241	54	47
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-05-01	150	574		96%	394	425	255	821	597	23

1C21	BIG CREEK	Middle Fraser	1130	2017-04-27	0	0		0%			0	48	12	6
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	N	N	N	N				0	22	0	11
1C23	PENFOLD CREEK	Middle Fraser	1687	N	N	N	N		829	915	525	1420	1064	47
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	N	N	N	N		0	0	0	168	30	44
1C28	DUFFEY LAKE	Middle Fraser	1253	NS	NS	NS	NS				206	624	377	14
1C29	SHOVELNOSE MOUNTAIN	Middle Fraser	1456	N	N	N	N		0	0	0	305	82	36
1C32	DEADMAN RIVER	Middle Fraser	1463	2017-05-03	0	0		0%	0	0	0	194	32	33
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	N	N	N	N		0	0	0	221	89	11
1C37	BRALORNE(UPPER)	Middle Fraser	1980	2017-04-28	199	764		113%	513	638	290	1092	676	22
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	2017-04-28	231	888		104%	852	878	450	1340	856	22
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-05-01		869			807		807	807		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	2017-04-28	166	612		102%	640	526	244	1018	600	22
1C40	TYAUGHTON	Middle Fraser	1946	2017-04-28	122	394		89%	258	396	198	806	443	22
1C40P	North Tyauhton	Middle Fraser	1969	2017-05-01		354			180		180	180		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-05-01	189	818		99%	619	863	365	1058	825	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	NS	NS	NS	NS				172	172		2
1D06P	Tenquille Lake	Lower Fraser	1669	2017-05-01	328	1401		134%	953	912	526	1705	1047	16
1D08	STAVE LAKE	Lower Fraser	1211	2017-04-28	379	1918		127%	1210	62	62	3120	1513	50
1D09	WAHLEACH LAKE	Lower Fraser	1395	N	N	N	N		236	4	4	709	615	50
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-05-01		632		61%	595	344	290	1757	1043	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530	2017-04-28	371	1739		128%	1196	468	468	2720	1361	48
1D16	DICKSON LAKE	Lower Fraser	1147	N	N	N	N		876	4	4	3180	1553	26
1D17P	Chilliwack River	Lower Fraser	1621	2017-05-01	335	1769		117%	1253	675	675	2436	1513	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-05-01	327	1881		115%	1119	162	162	2930	1635	18
1E01B	BLUE RIVER	North Thompson	673	2017-04-24	38	146		503%	0	0	0	265	29	33
1E02P	Mount Cook	North Thompson	1574	2017-05-01	322	1327		99%	1527	1184	684	1665	1346	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	2017-04-25	195	664		109%			417	960	607	42
1E05	KNOUFF LAKE	North Thompson	1189	NS	NS	NS	NS				0	142	45	10
1E07	ADAMS RIVER	North Thompson	1769	2017-04-26	248	934		129%	740	561	396	1173	726	46
1E08P	Azure River	North Thompson	1625	2017-05-01	281	1338		110%	1010	1312	528	1635	1214	20
1E10P	Kostal Lake	North Thompson	1760	2017-05-01		974		109%	903	813	417	1268	891	32
1E14P	Cook Creek	North Thompson	1280	2017-05-01	101	64			0		0	0		1
1F01A	ABERDEEN LAKE	South Thompson	1262	2017-05-03	12	47		247%			0	165	19	60
1F02	ANGLEMONT	South Thompson	1168	N	N	N	N		0		0	496	160	58
1F03P	Park Mountain	South Thompson	1857	2017-05-01	280	993	E	104%	890	854	379	1343	955	32
1F04P	Enderby	South Thompson	1950	2017-05-01	356	1146								0
1F06P	Celista Mountain	South Thompson	1533	2017-05-01	240	1114		122%	1013	847	506	1187	914	12
2A01A	CANOE RIVER	Upper Columbia	866	NS	NS	NS	NS				0	147	5	26
2A02	GLACIER	Upper Columbia	1249	2017-04-26	126	614		95%	481	497	320	1247	643	71
2A03A	FIELD	Upper Columbia	1310	NS	NS	NS	NS				0	178	20	52
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-05-01		1383		109%	1117	1063	595	1625	1265	24
2A07	KICKING HORSE	Upper Columbia	1648	2017-04-26	105	322		109%	120	185	63	589	296	67

2A11	BEAVERFOOT	Upper Columbia	1924	2017-05-02	78	238		140%	44	0	0	495	170	68
2A14	MOUNT ABBOT	Upper Columbia	2031	2017-04-25	355	1495		111%	1063	1156	600	1885	1345	58
2A16	GOLDSTREAM	Upper Columbia	1914	2017-04-29	332	1339		112%	1039	1156	584	1781	1200	54
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	2017-04-27	315	1395		107%	1108	1181	590	1986	1306	54
2A18	KEYSTONE CREEK	Upper Columbia	1839	2017-04-29	264	1004		122%	705	734	414	1421	823	50
2A18P	Keystone Creek	Upper Columbia	1850	2017-05-01		1288			744		744	744		1
2A19	VERMONT CREEK	Upper Columbia	1533	2017-05-02	108	424		130%	180	0	0	1026	327	51
2A21P	Molson Creek	Upper Columbia	1930	2017-05-01		1144		104%	886	1054	481	1678	1100	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	2017-04-29	268	1045		111%	762	922	469	1562	939	50
2A23	BUSH RIVER	Upper Columbia	1982	2017-04-29	256	993		119%	677	728	483	1392	834	50
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	2017-04-29	359	1540		124%	1162	1134	671	1797	1243	45
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	2017-04-29	129	584		113%	348		0	910	517	39
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	2017-04-29	378	1640		117%	1320	1112	335	2242	1402	39
2A30P	Colpitti Creek	Upper Columbia	2131	2017-05-01		1122			602		602	602		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-05-01		1214			795		795	795		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-05-01		751			442		442	442		1
2B02A	FARRON	Lower Columbia	1229	2017-04-25	80	309		169%	66	0	0	406	183	44
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	2017-04-28	152	596		107%	374	405	255	983	557	56
2B06P	Barnes Creek	Lower Columbia	1595	2017-05-01		549		101%	550	487	272	821	541	24
2B07	KOCH CREEK	Lower Columbia	1813	2017-04-28	255	971		125%	701	615	391	1201	778	57
2B08P	St. Leon Creek	Lower Columbia	1822	2017-05-01		1394		125%	949	1023	536	1501	1113	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-04-30	260	1080		149%	520	214	157	1278	727	42
2C01	SINCLAIR PASS	East Kootenay	1374	2017-04-27	8	30		81%	0	0	0	246	37	71
2C04	SULLIVAN MINE	East Kootenay	1580	2017-04-29	82	288		158%	54		0	518	182	70
2C07	FERNIE EAST	East Kootenay	1213	2017-04-29	53	202		149%	0	0	0	541	136	66
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-05-01		812		121%	325	337	308	1332	670	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-05-01	115	583		172%	0	110	18	689	338	38
2C14P	Floe Lake	East Kootenay	2110	2017-05-01		994		130%	528	690	331	1188	767	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230		N	N	N		434		270	930	566	47
2C16	MOUNT JOFFRE	East Kootenay	1763	2017-05-02	107	362		105%	216	36	36	772	346	48
2C17	THUNDER CREEK	East Kootenay	2062	2017-05-02	116	360		133%	189	197	163	556	271	48
2D02	FERGUSON	West Kootenay	929		N	N	N		313	333	160	773	429	70
2D03	SANDON	West Kootenay	1072	2017-05-01	36	132	B	293%	0	0	0	399	45	67
2D04	NELSON	West Kootenay	952	2017-04-27	15	67		47%	0		0	508	143	59
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	2017-04-28	133	512		119%	305	269	229	726	429	68
2D06	CHAR CREEK	West Kootenay	1290	2017-04-29	134	549		122%	287	134	79	838	449	51
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662		NS	NS	NS				0	42	14	5
2D08P	East Creek	West Kootenay	2004	2017-05-01		1164		128%	794	933	480	1346	910	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	2017-04-28	310	1240		115%	903	958	520	1679	1075	50
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	2017-04-28	246	946		123%	648	657	505	1300	767	47
2D14P	Redfish Creek	West Kootenay	2086	2017-05-01	540	2035		157%	1494	1409	751	1863	1298	15
2E01	MONASHEE PASS	Kettle	1387	2017-04-28	90	305		115%	114	193	67	505	266	59

2E02	CARMI	Kettle	1254	2017-04-26	0	0		0%	0	0	0	173	12	53
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2017-04-26	163	547		121%	340	249	237	762	451	51
2E07P	Grano Creek	Kettle	1874	2017-05-01		708		126%	546	424	285	814	561	19
2F01A	TROUT CREEK (West)	Okanagan	1430	2017-04-30	52	160		143%	30		93	292	112	6
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2017-04-28	50	185		220%	0	0	0	368	84	52
2F03	MC CULLOCH	Okanagan	1266	2017-04-28	9	42		350%	0		0	188	12	69
2F04	GRAYSTOKE LAKE	Okanagan	1818	2017-05-02	137	450		131%	232		120	940	343	43
2F05P	Mission Creek	Okanagan	1794	2017-05-01		590		123%	471	407	141	784	481	47
2F07	POSTILL LAKE	Okanagan	1358	2017-04-28	56	191		158%	0	50	0	282	121	65
2F08P	Greyback Reservoir	Okanagan	1550	2017-05-01	82	270								0
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2017-04-30	182	708		151%	456	339	175	1013	470	46
2F10P	Silver Star Mountain	Okanagan	1839	2017-05-01	290	809			784		784	784		1
2F11	ISINTOK LAKE	Okanagan	1651	2017-05-03	59	174		178%	0	0	0	437	98	52
2F12	MOUNT KOBAN	Okanagan	1817	2017-04-29	133	468		151%	300	204	53	597	309	51
2F13	ESPERON CR (UPPER)	Okanagan	1634	2017-04-30	132	456		132%	346	228	119	805	346	47
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	2017-04-30	101	372		172%			0	551	216	31
2F18P	Brenda Mine	Okanagan	1453	2017-05-01		288		225%	7	0	0	342	128	24
2F19	OOYAMA LAKE	Okanagan	1365	2017-04-30	28	84		153%	0		0	185	55	47
2F20	VASEUX CREEK	Okanagan	1403	2017-04-29	22	96		234%	0	0	0	192	41	45
2F21	BOULEAU LAKE	Okanagan	1405	2017-04-29	102	344		137%	16	80	40	488	251	46
2F23	MACDONALD LAKE	Okanagan	1742	2017-04-28	163	590		140%	420		198	650	421	39
2F24	ISLAHT LAKE	Okanagan	1492	2017-05-01	102	320		137%	189	76	64	433	234	35
2F25	POSTILL LAKE UPPER	Okanagan	1500	N	N	N	N		0		0	0		3
2G03P	Blackwall Peak	Similkameen	1934	2017-05-01	203	812		106%	663	593	375	1569	768	49
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	2017-04-26	88	236	B	110%	10	235	64	554	215	57
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	2017-04-27	71	206	B	202%	0	0	0	323	102	57
2G06	HAMILTON HILL	Similkameen	1477	2017-04-26	69	254	B	134%	0	0	0	838	190	57
3A01	GROUSE MOUNTAIN	South Coast	1126	2017-04-26	379	1730		148%	752	0	0	2870	1170	67
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS	NS	NS	NS				533	1712	783	9
3A05	POWELL RIVER (LOWER)	South Coast	882	NS	NS	NS	NS				181	426	349	7
3A09	PALISADE LAKE	South Coast	898	2017-04-28	321	1648		128%	670	0	0	3600	1291	67
3A10	DOG MOUNTAIN	South Coast	1007	2017-04-27	346	1762		155%	662	0	0	2760	1137	33
3A19	ORCHID LAKE	South Coast	1178	2017-04-28	474	2423		130%	1453	100	100	3845	1866	45
3A20	CALLAGHAN CREEK	South Coast	1009	N	N	N	N		598	0	0	1568	711	40
3A22P	Nostetuko River	South Coast	1457	2017-05-01	101	527		97%	355	201	201	1053	542	28
3A24P	Mosley Creek Upper	South Coast	1655	2017-05-01	77	319		126%	19	309	143	532	254	28
3A25P	Squamish River Upper	South Coast	1387	2017-05-01		1775		111%	1459	695	695	2910	1597	27
3A26	CHAPMAN CREEK	South Coast	1022	N	N	N	N				756	1710	262	8
3A27	EDWARDS LAKE	South Coast	1070	N	N	N	N				400	1180	176	6
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	2017-04-28	321	1507		100%	1386	0	0	3500	1507	60
3B02A	MOUNT COKELY	Vancouver Island	1267	N	N	N	N		100	0	0	2062	813	35
3B04	ELK RIVER	Vancouver Island	270	2017-04-28	0	0			0	0	0	40	0	33

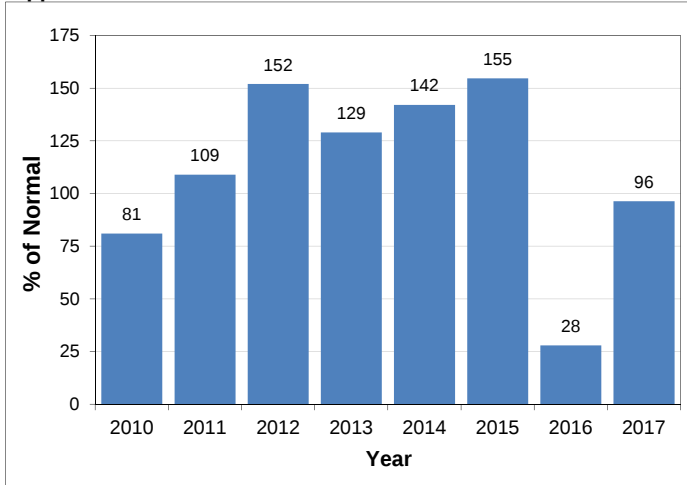
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	2017-04-28	304	1460	A	98%	1136	0	0	3560	1484	59
3B17P	Wolf River Upper	Vancouver Island	1422	2017-05-01		1373		101%	1112	374	374	2691	1356	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	2017-04-28	144	586		107%	120	0	0	1652	546	47
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	2017-04-28	15	62		46%	0	0	0	1118	134	47
3B23P	Jump Creek	Vancouver Island	1134	2017-05-01	268	1432		121%	426	0	0	3485	1180	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-05-01	334	1933			1248		1248	1248		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-05-01	292									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	2017-04-28	6	36		26%	0	0	0	749	136	29
3C08P	Burnt Bridge Creek	North Coast	1329	2017-05-01	148	729		94%	392	791	382	1464	776	19
3D01C	SUMALLO RIVER WEST	Skagit	801	2017-04-28	24	96		145%	0	0	0	371	66	24
3D02	LIGHTNING LAKE	Skagit	1254	2017-04-27	60	213	B	96%	155	92	7	599	223	45
3D03A	KLESILKWA	Skagit	1134	2017-04-28	26	105		102%	0	0	0	752	103	44
4A02P	Pine Pass	Peace	1386	2017-05-01	239	959		89%	956	977	363	1704	1072	28
4A03	WARE (UPPER)	Peace	1563	2017-04-28	80	213		78%	149	237	90	402	274	56
4A03P	Ware Upper	Peace	1565	2017-05-01	74	216								0
4A04	WARE (LOWER)	Peace	969	2017-04-28	22	71		57%	13	92	0	229	124	55
4A04P	Ware Lower	Peace	971	2017-05-01	20	36								0
4A05	GERMANSEN (UPPER)	Peace	1489	2017-04-27	90	238		67%	259	220	156	597	355	56
4A06	TUTIZZI LAKE	Peace	1043	2017-04-27	22	83		54%	0	104	0	325	155	54
4A07	LADY LAURIER LAKE	Peace	1460	2017-04-29	132	439		79%	425	545	194	926	555	54
4A09	PULPIT LAKE	Peace	1331	2017-04-28	99	325		78%	270	429	152	623	418	54
4A09P	Pulpit Lake	Peace	1331	2017-05-01	77	258		63%	183	384	133	633	407	27
4A10	FREDRICKSON LAKE	Peace	1323	2017-04-27	47	131		57%	87	226	93	358	231	54
4A11	TRYGVE LAKE	Peace	1409	2017-04-27	90	267		70%	220	418	119	599	381	54
4A12	TSAYDAYCHI LAKE	Peace	1173	2017-04-27	99	328		85%	250	316	166	700	386	54
4A13	PHILIP LAKE	Peace	1013	2017-04-27	30	89		45%	52	81	0	406	196	54
4A16	MORFEE MOUNTAIN	Peace	1427	2017-04-26	150	606		75%	597	803	265	1181	812	48
4A18	MOUNT SHEBA	Peace	1480	2017-04-26	202	805		90%	591	867	369	1371	891	48
4A20	MONKMAN CREEK	Peace	1566	2017-04-26	180	603		104%	337	653	190	1042	580	43
4A21	MOUNT STEARNS	Peace	1514	2017-04-28	78	206		141%	17	157	0	271	146	43
4A25	FORT ST. JOHN A	Peace	692	2017-04-27	0	0	T				0	56	0	27
4A27P	Kwadacha North	Peace	1554	2017-05-01	113	267								0
4A30P	Aiken Lake	Peace	1061	2017-05-01	17	123		68%	17	167	71	313	181	32
4A31P	Crying Girl Prairie	Peace	1358	2017-05-01		313			0		0	0		1
4A33P	Muskwa-Kechika	Peace	1196	2017-05-01		101			0		0	0		1
4A34P	Dowling Creek	Peace	1456	2017-05-01		444								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	2017-05-01	241	997		105%	593	1076	551	1591	951	64
4B02	JOHANSON LAKE	Skeena-Nass	1480	2017-04-27	81	226		75%	200	291	108	433	301	54
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	2017-05-02	126	443		87%	272	548	168	795	509	45
4B04	CHAPMAN LAKE	Skeena-Nass	1485	2017-05-01	127	463		98%	286	484	308	749	473	50
4B06	TACHEK CREEK	Skeena-Nass	1133	2017-05-03	45	130		74%	58	240	55	363	175	48
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	2017-05-01	45	158		71%	72	266	80	422	223	49

4B08	MOUNT CRONIN	Skeena-Nass	1491	2017-05-01	174	595		97%	429	560	422	1125	616	48
4B10	NINGUNSAW PASS	Nass	647	N	N	N	N		0		0	676	263	39
4B11A	BEAR PASS	Nass	437	N	N	N	N		0		256	860	541	25
4B12P	Granduc Mine	Skeena-Nass	790	2017-05-01	327	82								0
4B13A	TERRACE A	Skeena-Nass	219	2017-04-28	0	0		0%			0	68	14	7
4B14	EQUITY MINE	Skeena-Nass	1434	2017-04-28	130	434		116%	220	535	212	690	373	40
4B15	LU LAKE	Skeena-Nass	1296	2017-04-28	91	276		103%	132	390	144	528	267	39
4B15P	Lu Lake	Skeena-Nass	1308	2017-05-01	80	320		141%	106	455	79	517	227	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-05-01	143	514		53%	487	669	195	1310	972	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-05-01		1053		81%	834	1310	302	2081	1307	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-05-01	55	267		44%	11	325	178	1075	612	16
4C01	SIKANNI LAKE	Liard	1390	2017-04-28	64	171		64%	88	278	78	404	266	54
4C01P	Sikanni Lake	Liard	1400	2017-05-01	53	159								0
4C02	SUMMIT LAKE	Liard	1291	2017-05-02	47	120		273%	0	72	0	200	44	52
4C03	DEASE LAKE	Liard	805	N	N	N	N		0		0	178	38	50
4C05	FORT NELSON AIRPORT	Liard	368	N	N	N	N				0	103	12	32
4C15	JADE CITY	Liard	943	N	N	N	N		0	136	28	350	189	15
4D01	TELEGRAPH CREEK	Stikine	490	N	N	N	N		0	0	0	163	23	42
4D02	ISKUT	Stikine	931	NS	NS	NS	NS				0	146	18	25
4D11P	Kinaskan Lake	Stikine	1020	2017-05-01	62	262		74%	114	305	0	305	352	21
4E02B	ATLIN LAKE	Yukon	730	N	N	N	N		0	0	0	140		11

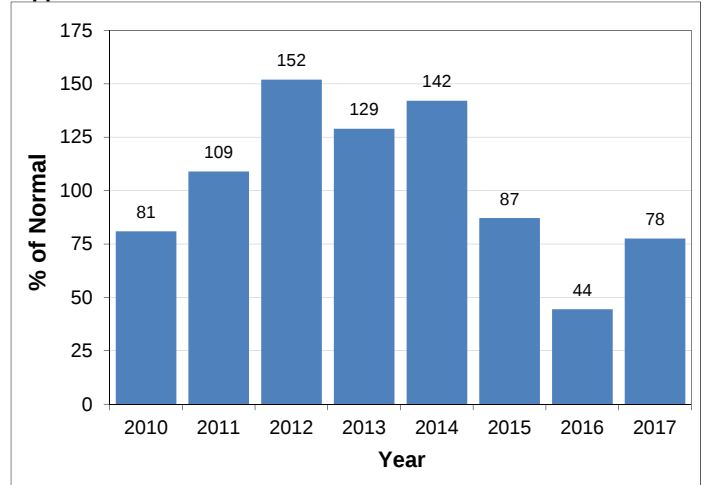
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - May 1, 2017

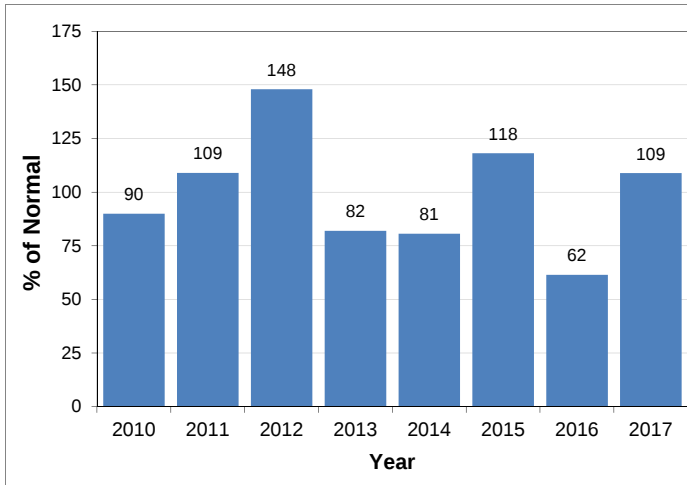
Upper Fraser West



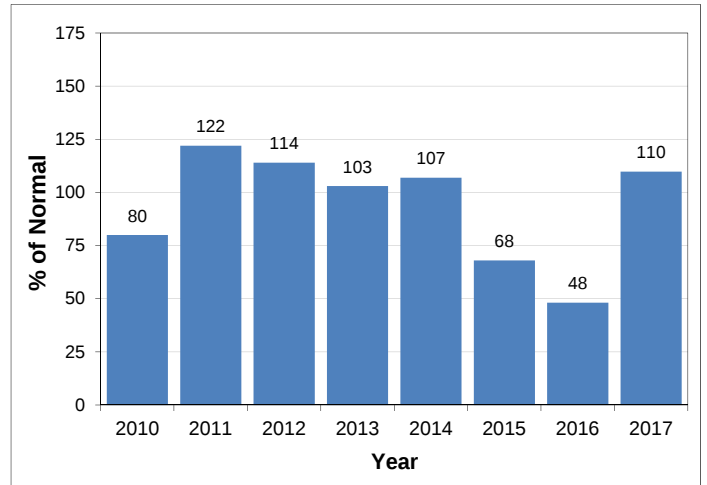
Upper Fraser East



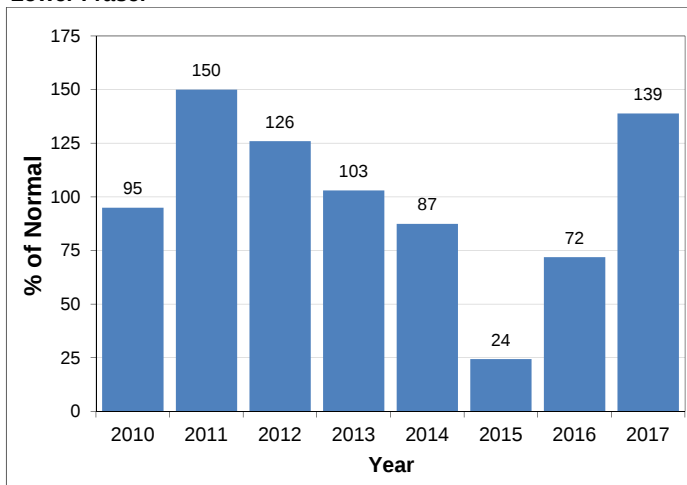
Nechako



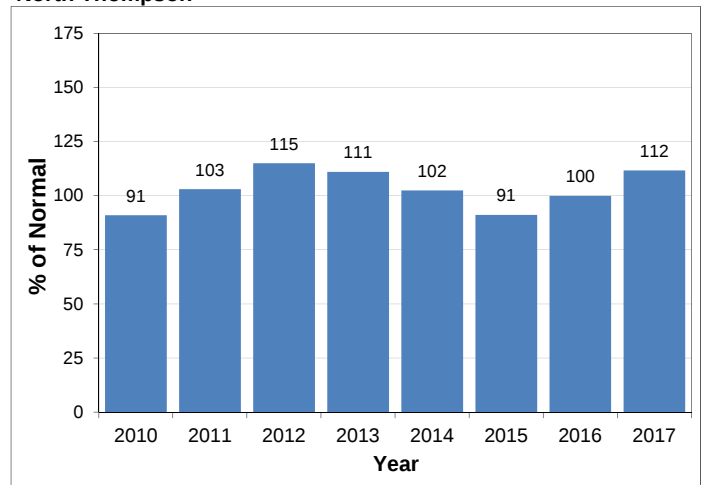
Middle Fraser



Lower Fraser

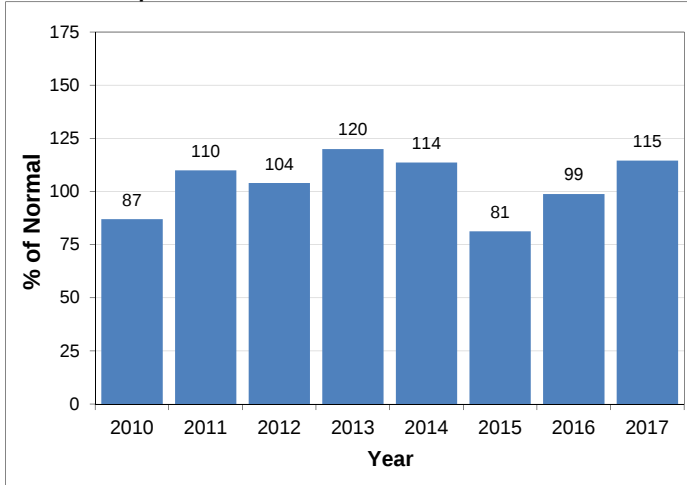


North Thompson

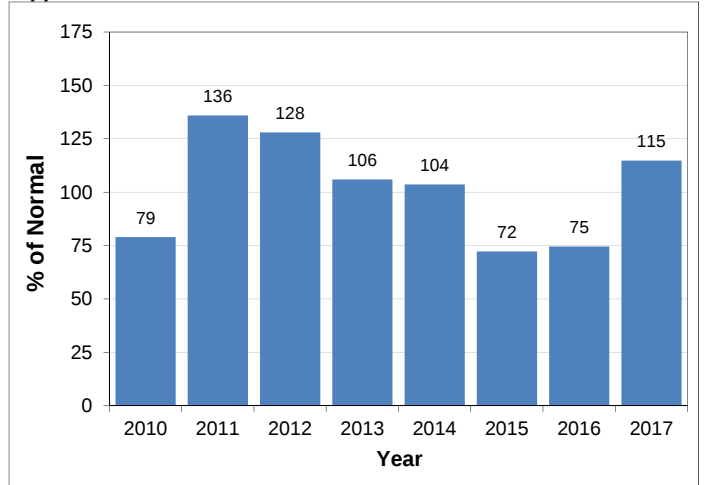


Snow Basin Index Graphs - May 1, 2017

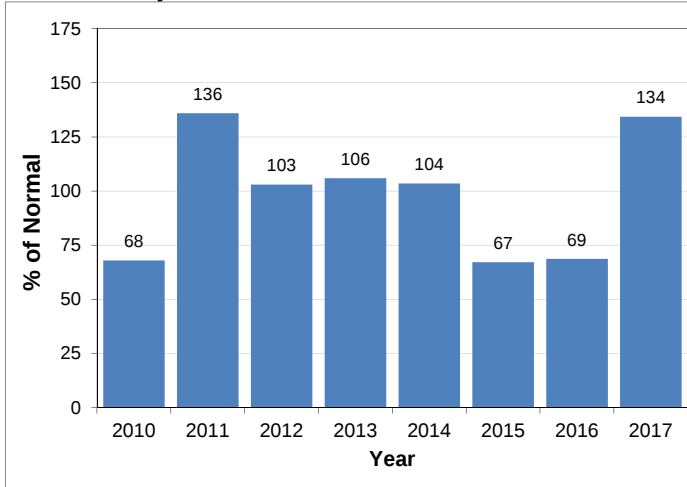
South Thompson



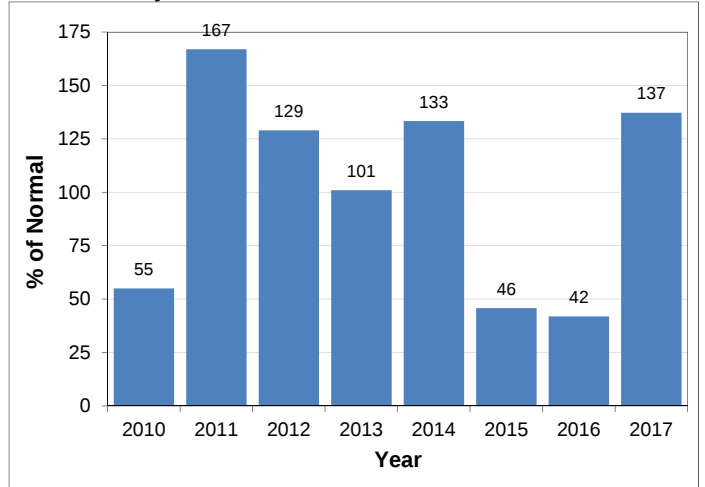
Upper Columbia



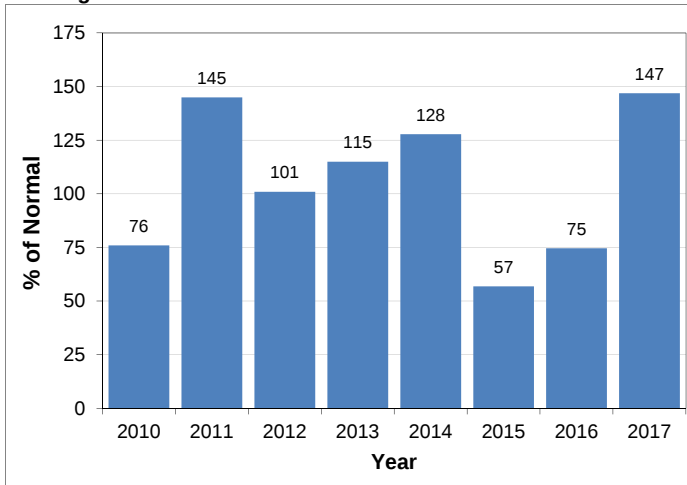
West Kootenay



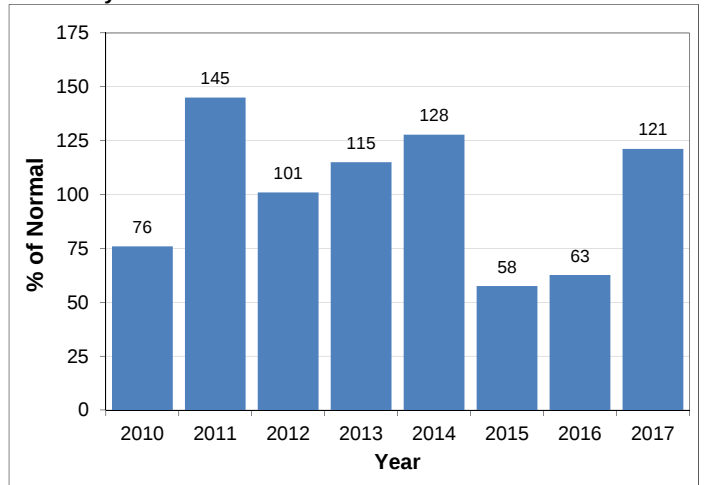
East Kootenay



Okanagan

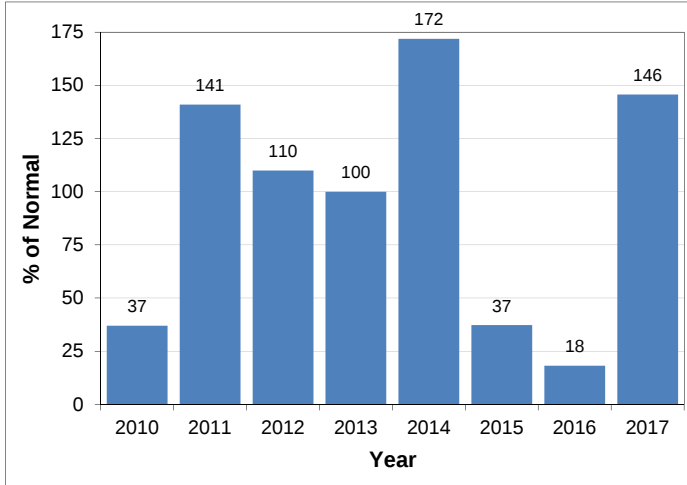


Boundary

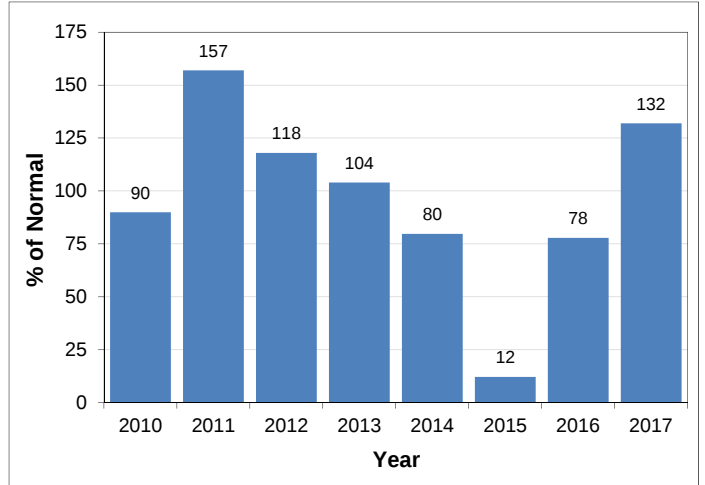


Snow Basin Index Graphs - May 1, 2017

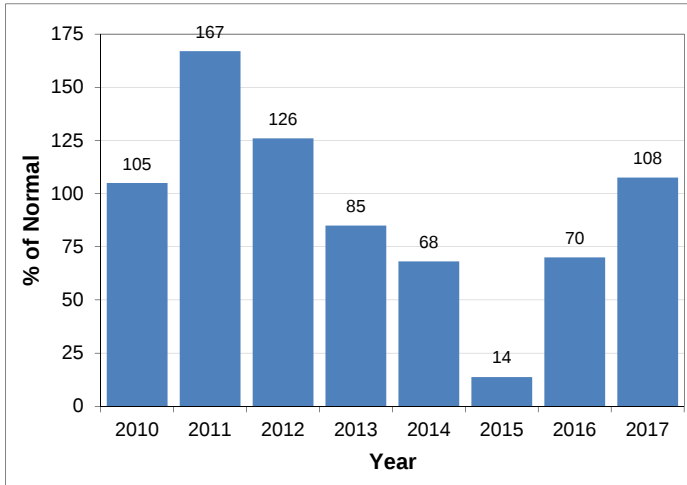
Similkameen



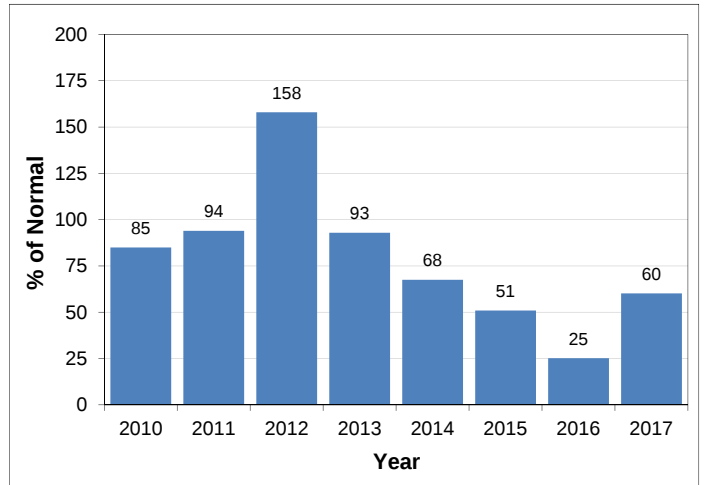
South Coast



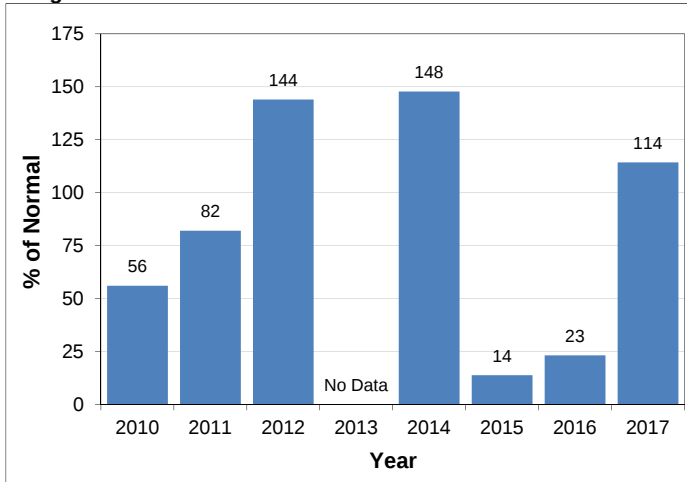
Vancouver Island



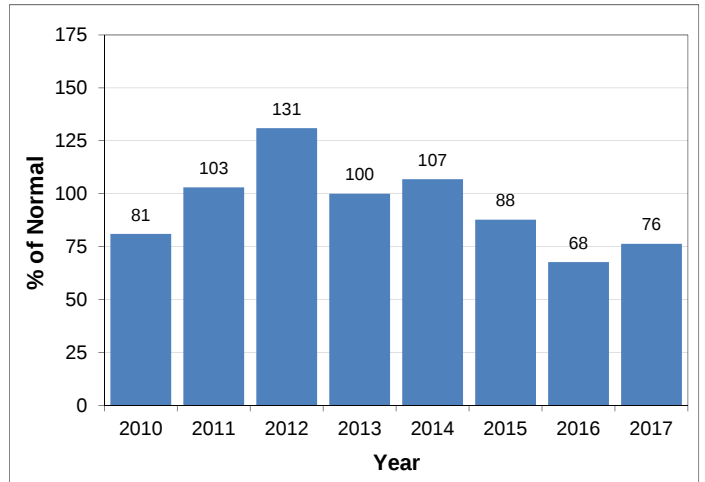
Central Coast



Skagit

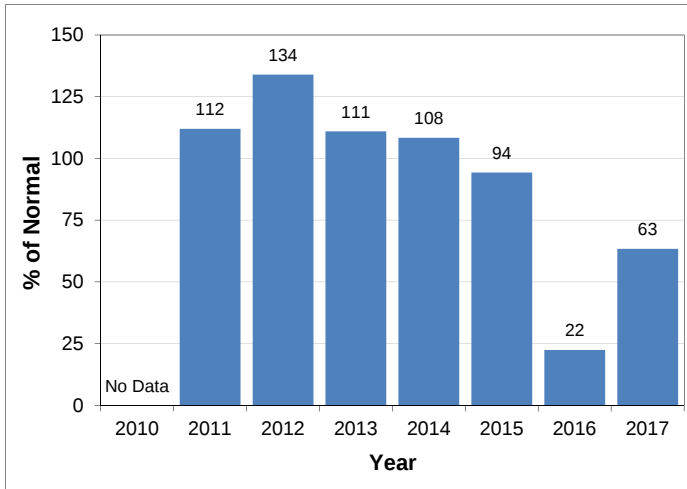


Peace

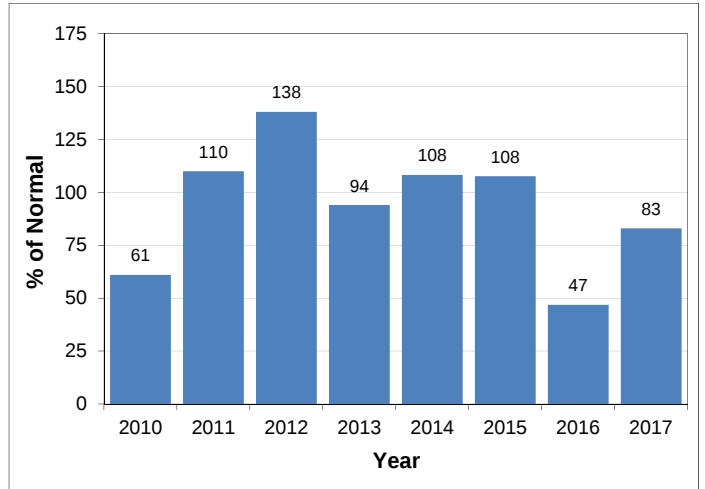


Snow Basin Index Graphs - May 1, 2017

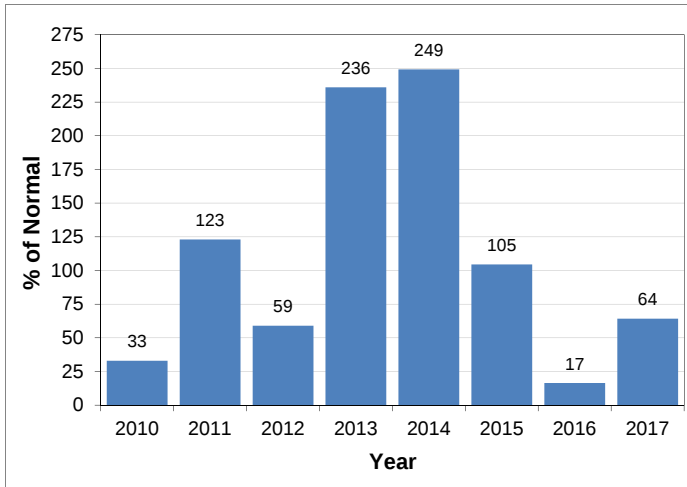
Stikine



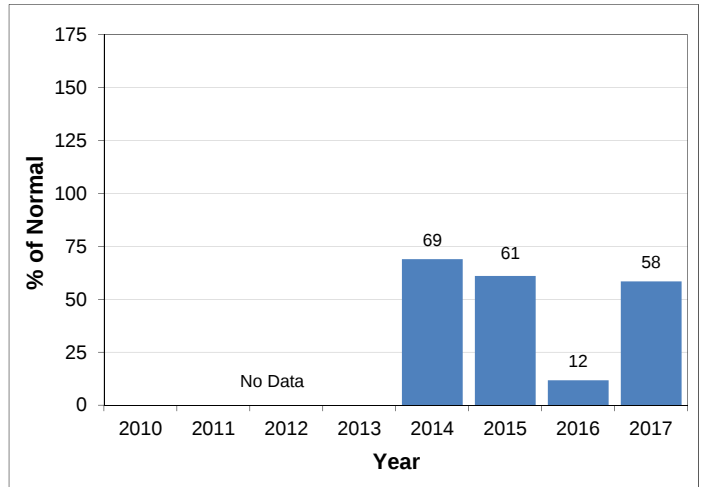
Skeena-Nass



Liard



Northwest



Ministry of Forests, Lands and Natural Resource Operations
River Forecast Centre
Volume Runoff Forecast May 2017

Location		May - Jun Runoff				May - Jul Runoff				May - Sep Runoff			
		Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)
Upper Fraser Basin	Fraser at McBride					3273	3534	93%	297	4787	5000	96%	373
	McGregor at Lower Canyon					2973	3552	84%	376	4016	4598	87%	563
	Fraser at Shelley					12443	13672	91%	1070	16608	17732	94%	1657
Middle Fraser Basin	Quesnel River at Quesnel					3848	4117	93%	396	5156	5448	95%	574
Thompson Basin	N. Thompson at McLure					8947	8209	109%	425	11406	10379	110%	785
	S. Thompson at Chase					5835	5298	110%	403	7627	6865	111%	659
	Thompson at Spences Bridge					15524	13923	111%	825	20211	17903	113%	1510
Bulkley and Skeena	Bulkley at Quick					2431	2383	102%	185	3045	2980	96%	220
	Skeena at Usk					16569	17317	96%	964	21131	21661	98%	1463
Nicola Lake	Inflows	168	105	161%	28	195	122	160%	33				
Nicola River	at Spences Bridge	644	409	157%	76	769	476	161%	98				
Okanagan and Kalamalka-Wood Lake	Okanagan Lake Inflow	502	349	144%	81	554	376	147%	103				
	Kalamalka-Wood Lake Inflow	24	19	124%	8	26	20	127%	11				
Similkameen River	Similkameen at Nighthawk	1299	1101	118%	152					1695	1411	120%	193
	Similkameen at Hedley	1015	827	123%	91					1268	1015	125%	105
Cowichan River	Cowichan Lake Inflows	109	118	93%	45					130	153	85%	45

1 kdam³=1,000,000 m³

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

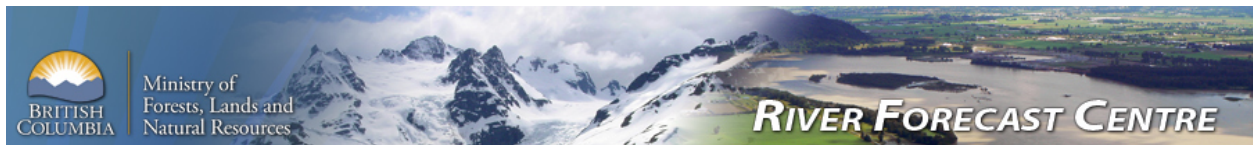
Disclaimer: Seasonal forecasts were developed using a Principle Component Analysis of snow pack, climate and streamflow data.

Cowichan Lake Inflows are based on a multi-variate regression analysis and reflects a normal scenario for summer weather conditions

The Standard Error in the Cowichan forecast reflects model error, and does not capture uncertainty over seasonal weather

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

Use at your own risk



Snow Survey and Water Supply Bulletin – May 15th, 2017

The May 15th snow survey is now complete. Data from 23 snow courses and 71 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

Weather through the first half of May has been mixed, and has included periods of hot weather, thundershowers, and episodes of seasonally cold temperatures, including freezing conditions at elevation. The first week in May featured hot weather, particularly in southern BC, which led to rapid melt of mid-elevation snow. This was followed by severe thundershowers. In the second week of May a cycle of wet and cold weather dominated, with heavy precipitation occurring in the Peace region and Bulkley Valley. This also led to light snow accumulations across high terrain across much of the province. The third week of May saw a high pressure ridge build over the province, bringing well-above seasonal temperatures and more rapid snowmelt. Overall, precipitation for the first half of May has been well above normal and temperatures near normal to slightly below normal across the province.

Snowpack

As was observed in the May 1st snow survey period, the snow melt season was delayed by 1-3 weeks in most areas of the province. Warmer weather in early May led to significant melt of mid-elevation snow, and this melt has been sustained throughout the month. At higher elevations, melt began at the start of the month, but cool temperatures in the second week of May led to some minor additional accumulation. Snow line elevations are in the 1500-1600m level through much of the Interior, and likely lower in the Coast Mountains and on Vancouver Island. While mid-elevation snow survey locations (<1500m) have seen most or all of their snow melt by mid-May, many higher elevation sites (>1600m) have only melted 5-15% of their total accumulated snow from this season. In many regions of the province the transition at snowline from areas with no snow to areas with deep snow packs is dramatic. Note that while data used in the analysis for the May 15th snow bulletin indices is from the May 15th survey period, additional snow conditions observed at the automated snow weather stations sites through May 23rd are taken into consideration.

Snow basin indices for May 15th 2017 range from a low of 57% of normal in the Stikine to a high of 157% of normal in the East Kootenay (Table 1 and Figure 1).

Below-normal snowpack (65-80%) is present in the Upper Fraser and Peace, and well below-normal (<65%) in the Stikine. Near-normal snowpack (90-115%) is present in the North Thompson, Central Coast, Upper Columbia, and Vancouver Island. Elevated snow packs (>120%) are present in other areas of the province, including the Nechako, Middle Fraser, Lower Fraser, South Thompson, Kootenays, Okanagan, Boundary, Similkameen and South Coast. High snow basin indices for May 15th are reflective of a delay in the onset in snow melt season this year, particularly at higher elevations, as well as higher than normal

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.

Snow Survey and Water Supply Bulletin – May 15th, 2017

seasonal accumulations. Conditions have not changed significantly since May 1st, with snow melt rates over the past 2-3 weeks being typical for this time of year.

Table 1 - BC Snow Basin Indices – May 15th, 2017

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	NO DATA	Boundary	139
Upper Fraser East	78	Similkameen	149
Nechako	127	South Coast	133
Middle Fraser	122	Vancouver Island	104
Lower Fraser	147	Central Coast	91
North Thompson	114	Skagit	NO DATA
South Thompson	122	Peace	79
Upper Columbia	102	Skeena-Nass	NO DATA
West Kootenay	156	Stikine	55
East Kootenay	157	Liard	NO DATA
Okanagan	151	Northwest	NO DATA

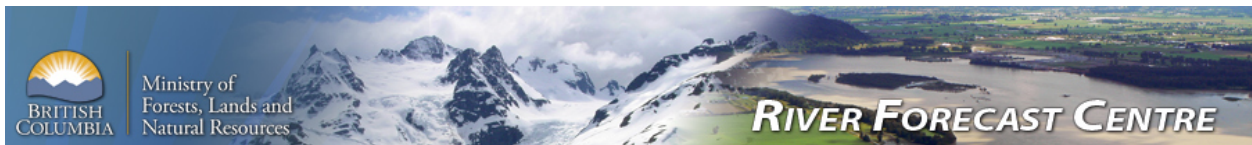
Streamflow

With extremely wet weather through the spring in southern BC, most rivers are flowing well above normal for early May, including extreme flows and flood conditions in areas of the Middle Fraser, South Thompson, Okanagan, Similkameen, Boundary, Peace and west-central BC.

On bigger river systems of the province, the seasonal rise of river levels is progressing. Flows on the Fraser River have been near normal for this time of year, and approximately 22% of the forecasted April to September runoff volume has passed through Hope. Similar conditions have been experienced in the upstream tributaries of the Fraser River, including the North Thompson River. Flows on the South Thompson River have been above normal, due to both high snow melt rates in tributaries and persistent wet weather through the region.

Outlook

High elevation snow pack is still sufficient to provide on-going flood risk across the province. On larger rivers and areas draining high elevations, including the North Thompson, Fraser, Kootenay, Columbia, and Skeena, snow melt is expected to lead to increasing flows over the next 2-3 weeks (mid-June). In the South Thompson this period may be 3-4 weeks (late-June). In the Central Interior and South Interior, snow pack is dwindling at mid-elevations, leading to decreasing flood risks. This is the case for the upper Nicola River (inflows into Nicola Lake), Bonaparte River and smaller tributary streams in the Cache Creek, Kamloops, North Okanagan and Central Okanagan areas. In areas of the Central Interior and South Interior which feed from higher elevation areas, flood risks are expected to remain elevated over the next one to two weeks. This includes: Coldwater River; downstream areas of the



Snow Survey and Water Supply Bulletin – May 15th, 2017

Nicola River; Similkameen; Tulameen; Mission Creek; areas around Penticton and Oliver; Boundary including Kettle River and Granby Rivers; and inflows into Okanagan Lake.

Rainfall, and in particular extreme rainfall amounts or intensities, poses additional risks.

Current weather this past weekend and expected weather through this week is expected to continue to create high flow conditions, particularly in the southern parts of the province.

Current advisories, warnings, freshet information, hydrometric monitoring, river modelling and snow data are available on the River Forecast Centre website:

<http://bcrfc.env.gov.bc.ca/>.

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

BC River Forecast Centre

May 23, 2017

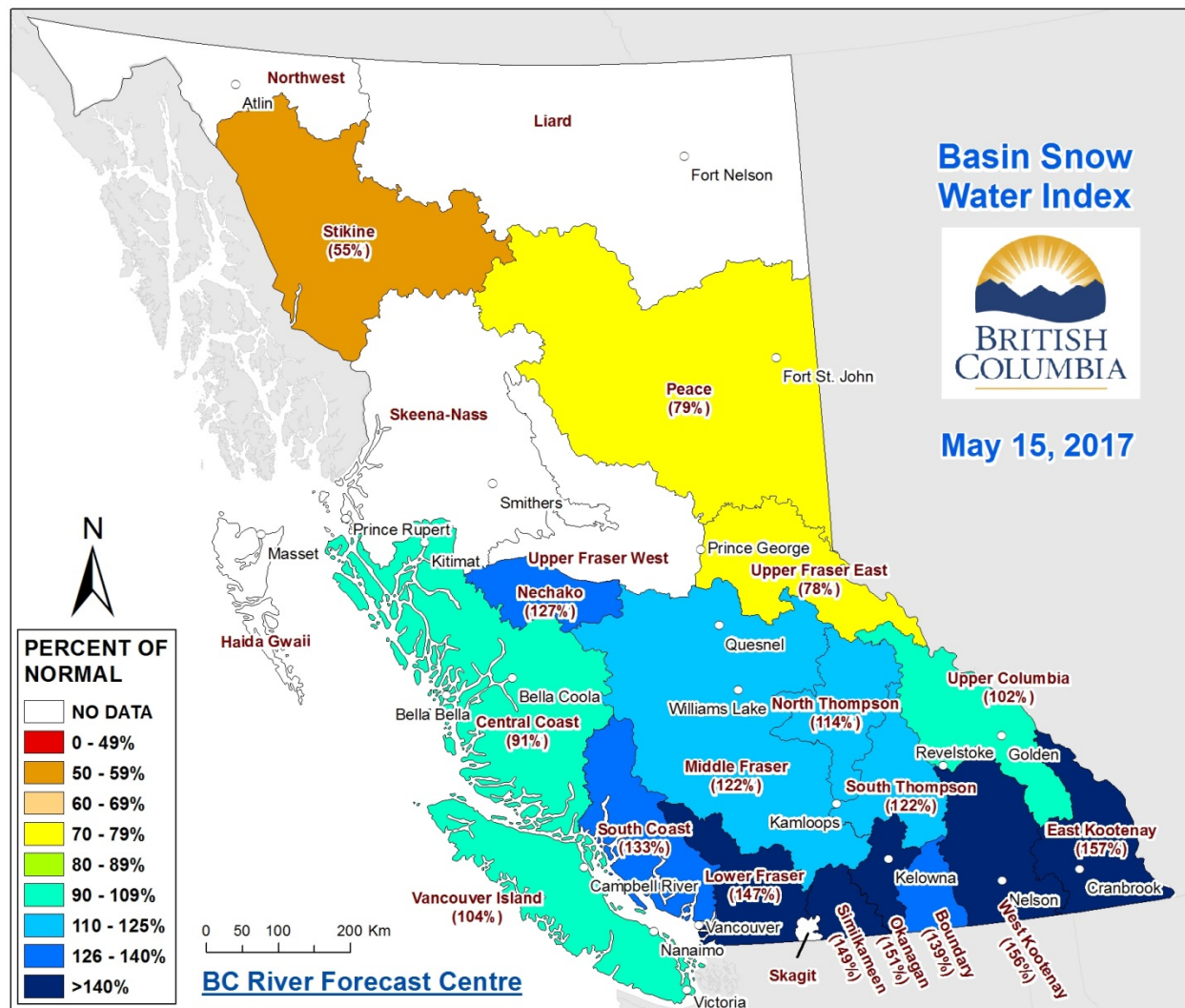


Ministry of
Forests, Lands and
Natural Resources

RIVER FORECAST CENTRE

Snow Survey and Water Supply Bulletin – May 15th, 2017

Figure 1: Basin Snow Water Index – May 15th, 2017



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.

2017 Automated Snow Weather Station/Manual Snow Survey Data				May 15					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	2017-05-15	114	556		107%	159	481	143	833	522	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-05-15	82	317		79%	7	428	65	656	403	25
1A03P	Barkerville	Upper Fraser East	1483	2017-05-15	58	220		103%	1	12	0	503	213	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	NS	NS	NS	NS				292	1219	798	56
1A05P	Longworth Upper	Upper Fraser East	1740	2017-05-15	163	633								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS						0	
1A10	PRINCE GEORGE A	Upper Fraser East	684	NS	NS	NS	NS				0	81	5	25
1A11	PACIFIC LAKE	Upper Fraser East	756	NS	NS	NS	NS				0	728	339	37
1A12	KAZA LAKE	Upper Fraser West	1247	NS	NS	NS	NS				132	212	212	3
1A12P	Kaza Lake	Upper Fraser West	1248	2017-05-15	57	174			0		0	0		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-05-15	123	320		42%	117	338	214	1277	754	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	NS	NS	NS	NS				359	1271	836	36
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-05-15	149	455								0
1A16	BURNS LAKE	Upper Fraser West	820	NS	NS	NS	NS				0	50	0	18
1A17P	Revolution Creek	Upper Fraser East	1676	2017-05-15	161	604		84%	311	785	228	1307	716	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-05-15	160	643		78%	459	810	298	1215	828	11
1A23	BIRD CREEK	Upper Fraser West	1196	NS	NS	NS	NS				0	0	0	2
1B01	MOUNT WELLS	Nechako	1489	NS	NS	NS	NS				164	869	280	8
1B01P	Mount Wells	Nechako	1489	2017-05-15		661		135%	155	696	171	946	491	25
1B02	TAHTSA LAKE	Nechako	1319	NS	NS	NS	NS				924	1687	924	7
1B02P	Tahtsa Lake	Nechako	1319	2017-05-15		1342		104%	760	1217	464	2340	1287	25
1B05	SKINS LAKE	Nechako	877	NS	NS	NS	NS				0	53	0	3
1B06	MOUNT SWANNELL	Nechako	1596	NS	NS	NS	NS				0	331	166	3
1B07	NUTLI LAKE	Nechako	1502	NS	NS	NS	NS				197	197	197	3
1B08P	Mount Pondosy	Nechako	1413	2017-05-15		888		141%	279	815	216	1198	628	25
1C01	BROOKMERE	Middle Fraser	994	NS	NS	NS	NS				0	208	22	29
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	NS	NS	NS	NS				184	965	455	21
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS				0	0	0	7
1C08	NAZKO	Middle Fraser	1029	NS	NS	NS	NS				31	31	0	1
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS	NS	NS	NS				0	30	3	26
1C12P	Green Mountain	Middle Fraser	1766	2017-05-15		642		80%	479	583	424	1369	803	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	NS	NS	NS	NS				655	655	0	2
1C14	BRALORNE	Middle Fraser	1382	NS	NS	NS	NS				0	80	11	21
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-05-13	65	211		117%	0		0	466	181	50
1C18P	Mission Ridge	Middle Fraser	1903	2017-05-15		539		160%	0	124	0	972	336	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS	NS	NS	NS				0	157	23	24
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-05-15	107	454		100%	147	215	176	746	455	23

1C21	BIG CREEK	Middle Fraser	1130	NS	NS	NS	NS				42	42	0	1
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	NS	NS	NS	NS				0	22	0	3
1C23	PENFOLD CREEK	Middle Fraser	1687	NS	NS	NS	NS				525	1400	1022	45
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	NS	NS	NS	NS				0	119	22	6
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						0	
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	NS	NS	NS	NS				116	116	0	1
1C37	BRALORNE(UPPER)	Middle Fraser	1980	NS	NS	NS	NS				290	290	0	1
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	NS	NS	NS	NS						0	
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-05-15		811			700		700	700		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	NS	NS	NS	NS				300	300	0	1
1C40	TYAUGHTON	Middle Fraser	1946	NS	NS	NS	NS				198	198	0	1
1C40P	North Tyaughton	Middle Fraser	1969	2017-05-15		319			0		0	0		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-05-15	157	772		100%	421	750	365	1129	774	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	NS	NS	NS	NS							
1D06P	Tenquille Lake	Lower Fraser	1669	2017-05-15	290	1265		130%	683	727	469	1693	973	16
1D08	STAVE LAKE	Lower Fraser	1211	NS	NS	NS	NS				584	2438	0	2
1D09	WAHLEACH LAKE	Lower Fraser	1395	NS	NS	NS	NS				102	656	428	12
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-05-15		662		66%	421	300	290	1793	1001	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530	NS	NS	NS	NS				634	2423	1467	6
1D16	DICKSON LAKE	Lower Fraser	1147	NS	NS	NS	NS				466	2070	2070	2
1D17P	Chilliwack River	Lower Fraser	1621	2017-05-15	290	1636		117%	923	529	405	2540	1398	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-05-15	282	1724		112%	736	0	0	2900	1533	18
1E01B	BLUE RIVER	North Thompson	673	NS	NS	NS	NS				0	213	0	11
1E02P	Mount Cook	North Thompson	1574	2017-05-15	298	1243		93%	1277	1096	684	1793	1334	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	2017-05-09	183	730		118%	410		301	1114	618	34
1E05	KNOUFF LAKE	North Thompson	1189	NS	NS	NS	NS						0	1
1E07	ADAMS RIVER	North Thompson	1769	2017-05-09	219	950		138%	590	451	280	1158	690	45
1E08P	Azure River	North Thompson	1625	2017-05-15	250	1327		115%	784	1274	528	1684	1152	20
1E10P	Kostal Lake	North Thompson	1760	2017-05-15		963		111%	721	754	417	1358	870	32
1E14P	Cook Creek	North Thompson	1280	2017-05-15	60	65			0		0	0		1
1F01A	ABERDEEN LAKE	South Thompson	1262	NS	NS	NS	NS				0	85	14	14
1F02	ANGLEMONT	South Thompson	1168	2017-05-16	0	0		0%			0	361	99	21
1F03P	Park Mountain	South Thompson	1857	2017-05-15	240	1104		119%	723	827	315	1358	929	32
1F04P	Enderby	South Thompson	1950	2017-05-15	306	1216								0
1F06P	Celista Mountain	South Thompson	1533	2017-05-15	200	1088		129%	589	659	420	1163	841	12
2A01A	CANOE RIVER	Upper Columbia	866	NS	NS	NS	NS				0	0	0	6
2A02	GLACIER	Upper Columbia	1249	NS	NS	NS	NS				114	1034	498	48
2A03A	FIELD	Upper Columbia	1310	NS	NS	NS	NS				0	0	0	4
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-05-15		1322		107%	891	968	595	1777	1235	24
2A07	KICKING HORSE	Upper Columbia	1648	NS	NS	NS	NS				0	521	229	51

2A11	BEAVERFOOT	Upper Columbia	1924	NS	NS	NS	NS				0	399	0	5
2A14	MOUNT ABBOT	Upper Columbia	2031	NS	NS	NS	NS				600	1944	1319	38
2A16	GOLDSTREAM	Upper Columbia	1914	NS	NS	NS	NS				584	1055	1055	2
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	NS	NS	NS	NS				590	1950	1271	34
2A18	KEYSTONE CREEK	Upper Columbia	1839	NS	NS	NS	NS				414	683	683	2
2A18P	Keystone Creek	Upper Columbia	1850	2017-05-15		1205			552		552	552		1
2A19	VERMONT CREEK	Upper Columbia	1533	NS	NS	NS	NS				225	813	225	3
2A21P	Molson Creek	Upper Columbia	1930	2017-05-15		1042		96%	742	1009	481	1707	1085	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	NS	NS	NS	NS				469	863	863	2
2A23	BUSH RIVER	Upper Columbia	1982	NS	NS	NS	NS				483	766	766	2
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	NS	NS	NS	NS				671	1257	1194	3
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	NS	NS	NS	NS				0	522	297	11
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	NS	NS	NS	NS				335	1425	1284	10
2A30P	Colpitti Creek	Upper Columbia	2131	2017-05-15		1023			467		467	467		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-05-15		1087			656		656	656		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-05-15		700			346		346	346		1
2B02A	FARRON	Lower Columbia	1229	2017-05-09	37	157		249%	0	0	0	222	63	37
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	NS	NS	NS	NS				164	737	164	4
2B06P	Barnes Creek	Lower Columbia	1595	2017-05-15		509		116%	181	321	98	758	438	24
2B07	KOCH CREEK	Lower Columbia	1813	NS	NS	NS	NS				415	1148	675	3
2B08P	St. Leon Creek	Lower Columbia	1822	2017-05-15		1361		136%	661	879	536	1568	1004	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-05-13	209	935		145%	242	114	83	1367	645	42
2C01	SINCLAIR PASS	East Kootenay	1374	NS	NS	NS	NS				0	107	0	33
2C04	SULLIVAN MINE	East Kootenay	1580	2017-05-14	39	154	A	193%	0	0	0	457	80	68
2C07	FERNIE EAST	East Kootenay	1213	N	N	N	N		0	0	0	298	34	62
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-05-15		662		137%	0	95	0	1102	484	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-05-15	68	387		172%	0	0	0	678	225	38
2C14P	Floe Lake	East Kootenay	2110	2017-05-15		960		128%	375	588	304	1101	752	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	NS	NS	NS	NS				270	534	534	2
2C16	MOUNT JOFFRE	East Kootenay	1763	NS	NS	NS	NS				206	338	338	2
2C17	THUNDER CREEK	East Kootenay	2062	NS	NS	NS	NS				190	220	220	2
2D02	FERGUSON	West Kootenay	929	NS	NS	NS	NS				20	640	302	39
2D03	SANDON	West Kootenay	1072	NS	NS	NS	NS				0	218	0	11
2D04	NELSON	West Kootenay	952	NS	NS	NS	NS				0	243	46	42
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	NS	NS	NS	NS				0	709	330	55
2D06	CHAR CREEK	West Kootenay	1290	2017-05-13	96	416		153%	0	0	221	221	272	49
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	NS	NS	NS	NS						0	1
2D08P	East Creek	West Kootenay	2004	2017-05-15		1100		126%	624	865	461	1387	874	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	NS	NS	NS	NS				520	978	978	2
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	NS	NS	NS	NS				311	1194	709	35
2D14P	Redfish Creek	West Kootenay	2086	2017-05-15	412	2205		168%	1168	1374	751	1771	1309	15
2E01	MONASHEE PASS	Kettle	1387	NS	NS	NS	NS				0	363	206	29

2E02	CARMI	Kettle	1254	NS	NS	NS	NS				0	0	0	15
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2017-05-12	131	474		130%	80		0	732	366	50
2E07P	Grano Creek	Kettle	1874	2017-05-15		756		145%	405	333	285	881	520	19
2F01A	TROUT CREEK (West)	Okanagan	1430	2017-05-14	18	61		105%	0	0	0	243	58	7
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	2017-05-17	0	0		0%	0	0	0	218	13	50
2F03	MC CULLOCH	Okanagan	1266	NS	NS	NS	NS				0	102	0	40
2F04	GRAYSTOKE LAKE	Okanagan	1818	NS	NS	NS	NS				0	742	360	18
2F05P	Mission Creek	Okanagan	1794	2017-05-15		548		142%	255	293	0	829	386	47
2F07	POSTILL LAKE	Okanagan	1358	NS	NS	NS	NS				71	180	143	8
2F08P	Greyback Reservoir	Okanagan	1550	2017-05-15	38	142								0
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2017-05-14	123	502		141%	219	167	0	968	357	46
2F10P	Silver Star Mountain	Okanagan	1839	2017-05-15	234	790			645		645	645		1
2F11	ISINTOK LAKE	Okanagan	1651	2017-05-19	16	47		102%	0	0	0	386	46	51
2F12	MOUNT KOBAN	Okanagan	1817	2017-05-13	112	393		155%	56	74	0	516	253	51
2F13	ESPERON CR (UPPER)	Okanagan	1634	NS	NS	NS	NS		186	174	66	625	306	14
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	NS	NS	NS	NS		122	62	0	380	164	15
2F18P	Brenda Mine	Okanagan	1453	2017-05-15		90		450%	0	0	0	217	20	24
2F19	OOYAMA LAKE	Okanagan	1365	NS	NS	NS	NS				97	97	0	3
2F20	VASEUX CREEK	Okanagan	1403	N	N	N	N		0	0	0	80	7	44
2F21	BOULEAU LAKE	Okanagan	1405	NS	NS	NS	NS				173	328	328	5
2F23	MACDONALD LAKE	Okanagan	1742	NS	NS	NS	NS			180	0	652	334	21
2F24	ISLAHT LAKE	Okanagan	1492	NS	NS	NS	NS		3		0	352	221	8
2F25	POSTILL LAKE UPPER	Okanagan	1500	NS	NS	NS	NS							0
2G03P	Blackwall Peak	Similkameen	1934	2017-05-15	159	703		105%	416	469	208	1481	671	49
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	2017-05-13	64	193	B	114%	0	126	0	577	169	55
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	2017-05-10	31	100	B	313%	0	0	0	218	32	57
2G06	HAMILTON HILL	Similkameen	1477	2017-05-09	35	125	B	114%	0	0	0	434	110	38
3A01	GROUSE MOUNTAIN	South Coast	1126	NS	NS	NS	NS				528	1714	0	6
3A02	POWELL RIVER (UPPER)	South Coast	1002	NS	NS	NS	NS				816	816	816	2
3A05	POWELL RIVER (LOWER)	South Coast	882	NS	NS	NS	NS				378	378	378	2
3A09	PALISADE LAKE	South Coast	898	NS	NS	NS	NS				336	3600	1968	5
3A10	DOG MOUNTAIN	South Coast	1007	2017-05-15	304	1700		163%	284	0	0	2920	1041	31
3A19	ORCHID LAKE	South Coast	1178	2017-05-19	430	2330		135%	1131	0	0	3730	1729	37
3A20	CALLAGHAN CREEK	South Coast	1009	NS	NS	NS	NS				55	1311	444	17
3A22P	Nostetuko River	South Coast	1457	2017-05-15	67	363		102%	34	0	0	939	355	28
3A24P	Mosley Creek Upper	South Coast	1655	2017-05-15	40	195		131%	0	98	0	467	149	28
3A25P	Squamish River Upper	South Coast	1387	2017-05-15		1505		101%	1163	474	474	2980	1486	27
3A26	CHAPMAN CREEK	South Coast	1022	2017-05-10	315	1450								
3A27	EDWARDS LAKE	South Coast	1070	NS	NS	NS	NS							
3B01	FORBIDDEN PLATEAU	Vancouver Island	1110	NS	NS	NS	NS				345	2631	1576	34
3B02A	MOUNT COKELY	Vancouver Island	1267	NS	NS	NS	NS						0	1
3B04	ELK RIVER	Vancouver Island	270	NS	NS	NS	NS				40	40	0	1

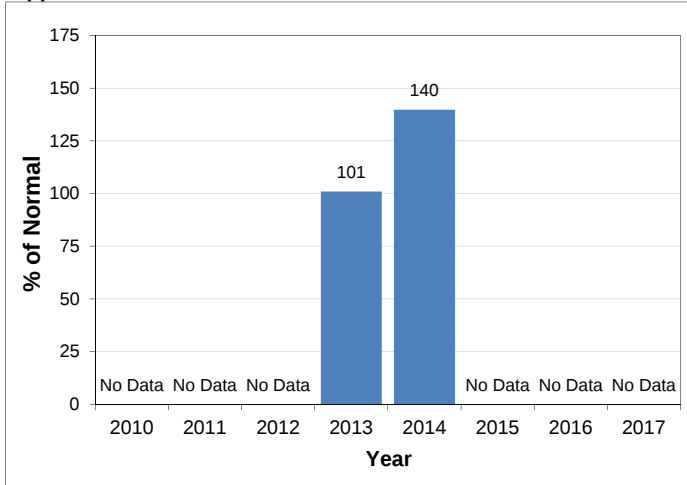
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS				1364	2697	1731	10
3B17P	Wolf River Upper	Vancouver Island	1422	2017-05-15		1241		101%	767	137	137	2719	1229	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	NS	NS	NS	NS				0	1148	481	16
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	NS	NS	NS	NS				0	549	78	16
3B23P	Jump Creek	Vancouver Island	1134	2017-05-15	214	1185		108%	78	0	0	3500	1097	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-05-15	298	1859			933		933	933		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-05-15	254									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	NS	NS	NS	NS				232	232	232	2
3C08P	Burnt Bridge Creek	North Coast	1329	2017-05-15		579		91%	130	526	184	1438	634	19
3D01C	SUMALLO RIVER WEST	Skagit	801	NS	NS	NS	NS				82	82	0	1
3D02	LIGHTNING LAKE	Skagit	1254	NS	NS	NS	NS				544	544	0	2
3D03A	KLESILKWA	Skagit	1134	NS	NS	NS	NS				0	490	11	5
4A02P	Pine Pass	Peace	1386	2017-05-15	216	1036		104%	740	923	363	1654	999	28
4A03	WARE (UPPER)	Peace	1563	NS	NS	NS	NS				90	114	114	2
4A03P	Ware Upper	Peace	1565	2017-05-15	54	215								0
4A04	WARE (LOWER)	Peace	969	NS	NS	NS	NS				0	89	0	2
4A04P	Ware Lower	Peace	971	2017-05-15	9	0								0
4A05	GERMANSEN (UPPER)	Peace	1489	NS	NS	NS	NS				156	414	272	7
4A06	TUTIZZI LAKE	Peace	1043	NS	NS	NS	NS				0	106	0	2
4A07	LADY LAURIER LAKE	Peace	1460	NS	NS	NS	NS				194	420	420	2
4A09	PULPIT LAKE	Peace	1331	NS	NS	NS	NS				152	293	262	3
4A09P	Pulpit Lake	Peace	1331	2017-05-15	43	146		55%	4	188	14	562	267	27
4A10	FREDRICKSON LAKE	Peace	1323	NS	NS	NS	NS				74	93	74	2
4A11	TRYGVE LAKE	Peace	1409	NS	NS	NS	NS				119	269	269	2
4A12	TSAYDAYCHI LAKE	Peace	1173	NS	NS	NS	NS				166	302	302	2
4A13	PHILIP LAKE	Peace	1013	NS	NS	NS	NS				128	137	128	2
4A16	MORFEE MOUNTAIN	Peace	1427	NS	NS	NS	NS				265	1072	535	17
4A18	MOUNT SHEBA	Peace	1480	NS	NS	NS	NS				340	1179	794	13
4A20	MONKMAN CREEK	Peace	1566	NS	NS	NS	NS				0	912	478	13
4A21	MOUNT STEARNS	Peace	1514	NS	NS	NS	NS				41	45	45	2
4A25	FORT ST. JOHN A	Peace	692	NS	NS	NS	NS				0	34	0	5
4A27P	Kwadacha North	Peace	1554	2017-05-15	88	269								0
4A30P	Aiken Lake	Peace	1061	2017-05-15	0	4		7%	8	3	0	206	55	32
4A31P	Crying Girl Prairie	Peace	1358	2017-05-15		230			0		0	0		1
4A33P	Muskwa-Kechika	Peace	1196	2017-05-15		0			0		0	0		1
4A34P	Dowling Creek	Peace	1456	2017-05-15		444								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	NS	NS	NS	NS				534	1278	534	6
4B02	JOHANSON LAKE	Skeena-Nass	1480	NS	NS	NS	NS				108	178	178	3
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	N	N	N	N		108	384	160	822	424	44
4B04	CHAPMAN LAKE	Skeena-Nass	1485	NS	NS	NS	NS			344	238	689	461	9
4B06	TACHEK CREEK	Skeena-Nass	1133	NS	NS	NS	NS				18	152	0	5
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	NS	NS	NS	NS			0	0	320	127	22

4B08	MOUNT CRONIN	Skeena-Nass	1491	NS	NS	NS	NS			538	481	927	660	15
4B10	NINGUNSAW PASS	Nass	647	NS	NS	NS	NS				0	208	27	16
4B11A	BEAR PASS	Nass	437	NS	NS	NS	NS				80	488	290	9
4B12P	Granduc Mine	Skeena-Nass	790	2017-05-15	287	627								0
4B13A	TERRACE A	Skeena-Nass	219	NS	NS	NS	NS				0	68	0	2
4B14	EQUITY MINE	Skeena-Nass	1434	NS	NS	NS	NS				0	396	274	15
4B15	LU LAKE	Skeena-Nass	1296	NS	NS	NS	NS				0	330	191	17
4B15P	Lu Lake	Skeena-Nass	1308	2017-05-15	67	254		176%	0	248	0	489	144	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-05-15	135	554		59%	252	593	195	1280	940	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-05-15		1069		84%	667	1332	302	2135	1275	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-05-15	26	137		32%	11	12	12	968	422	16
4C01	SIKANNI LAKE	Liard	1390	NS	NS	NS	NS				78	130	130	2
4C01P	Sikanni Lake	Liard	1400	2017-05-15	18	38								0
4C02	SUMMIT LAKE	Liard	1291	NS	NS	NS	NS				0	160	42	8
4C03	DEASE LAKE	Liard	805	NS	NS	NS	NS				0	0	0	7
4C05	FORT NELSON AIRPORT	Liard	368	NS	NS	NS	NS				0	38	1	14
4C15	JADE CITY	Liard	943	NS	NS	NS	NS				162	162	162	2
4D01	TELEGRAPH CREEK	Stikine	490	NS	NS	NS	NS				0	0	0	2
4D02	ISKUT	Stikine	931	NS	NS	NS	NS				0	0	0	16
4D11P	Kinaskan Lake	Stikine	1020	2017-05-15	39	164		78%	0	119	94	119	210	21
4E02B	ATLIN LAKE	Yukon	730	NS	NS	NS	NS							

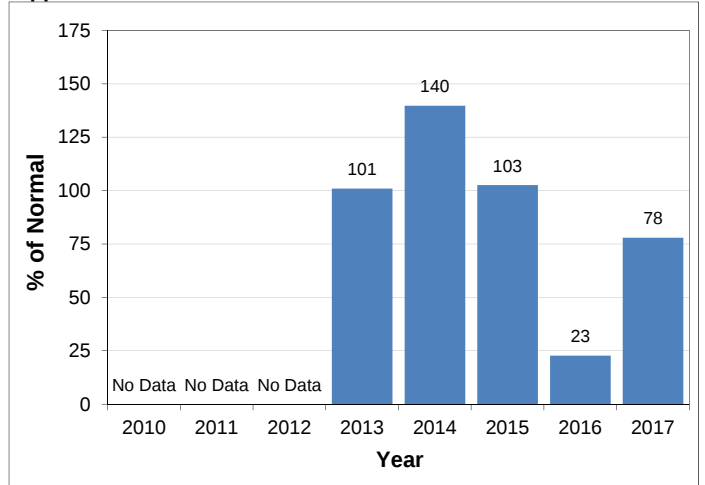
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - May 15, 2017

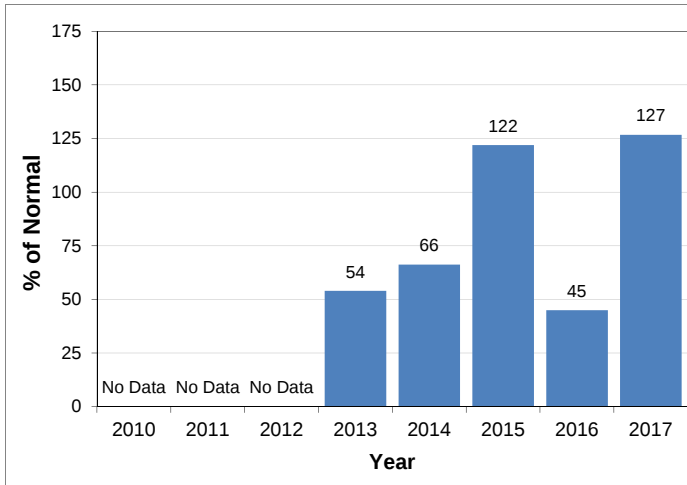
Upper Fraser West



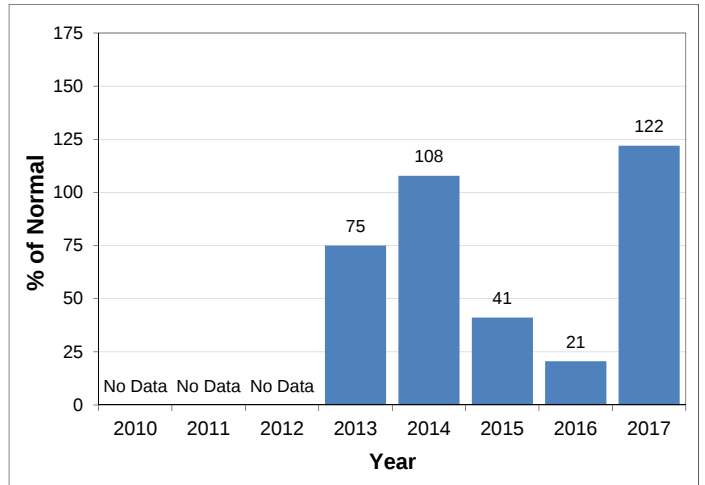
Upper Fraser East



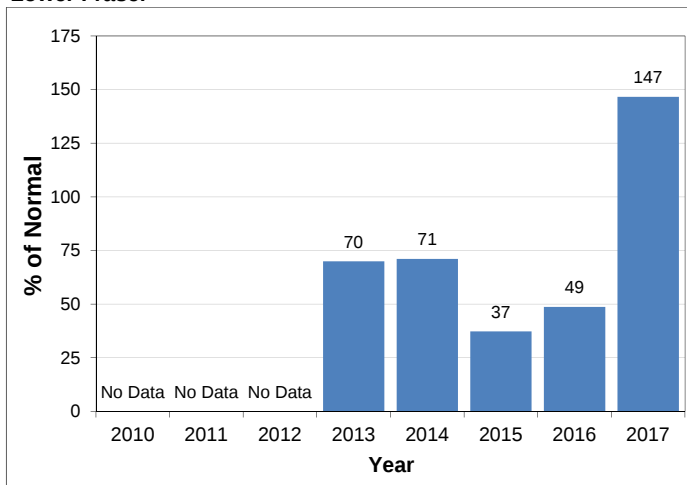
Nechako



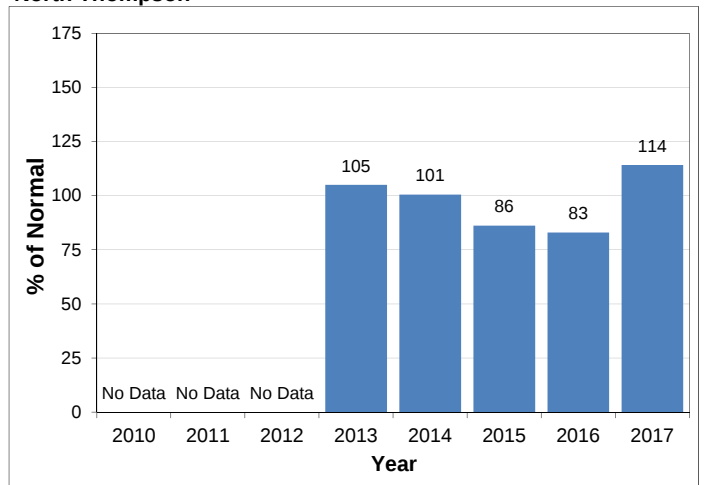
Middle Fraser



Lower Fraser

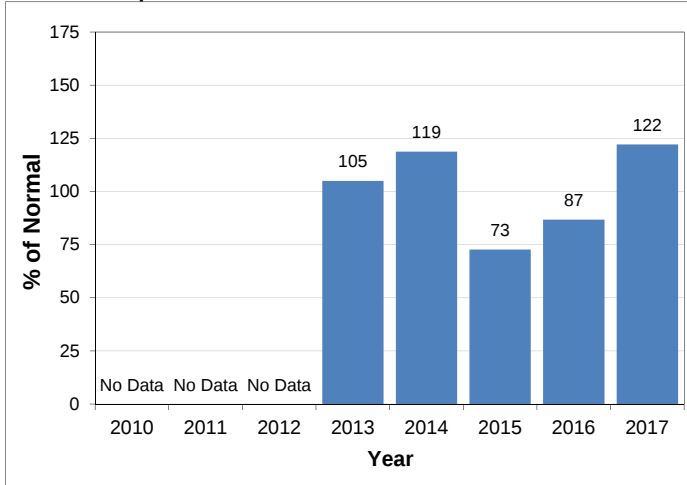


North Thompson

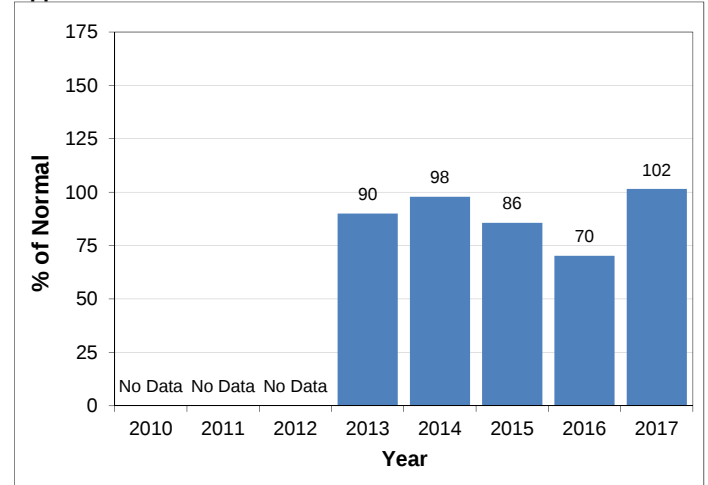


Snow Basin Index Graphs - May 15, 2017

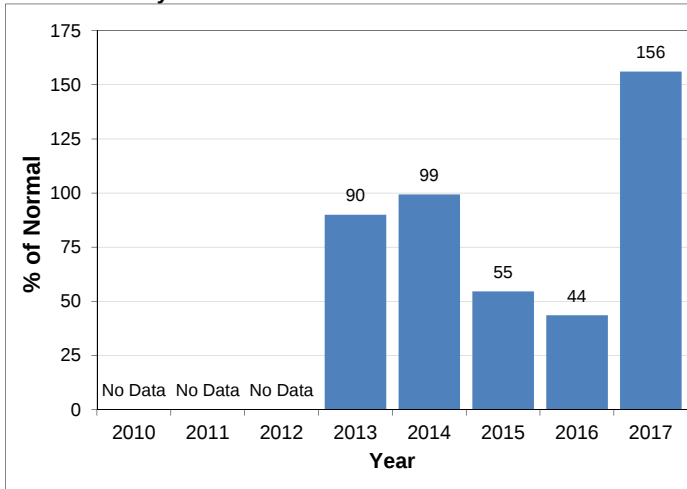
South Thompson



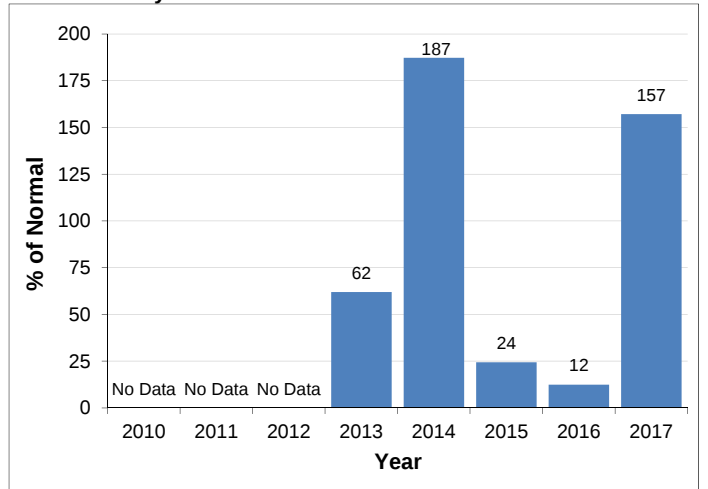
Upper Columbia



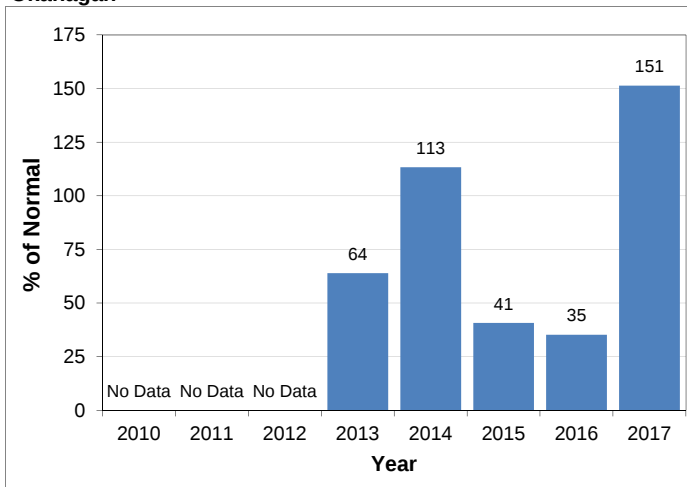
West Kootenay



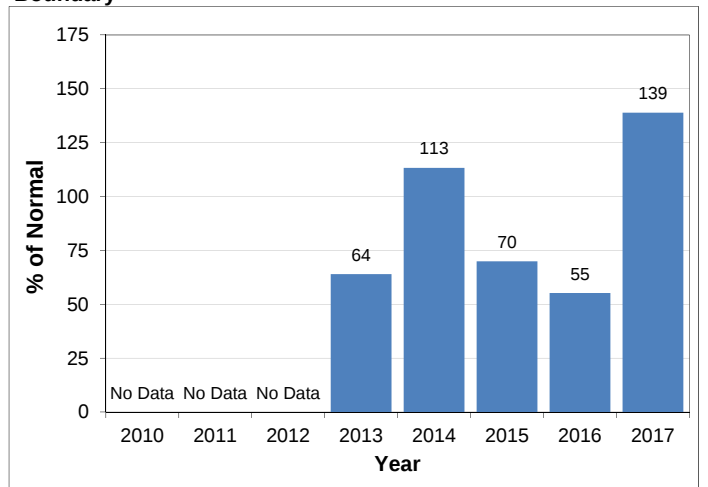
East Kootenay



Okanagan

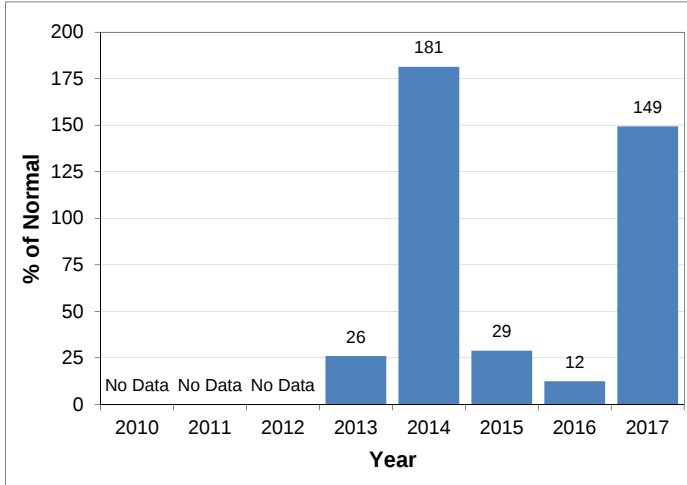


Boundary

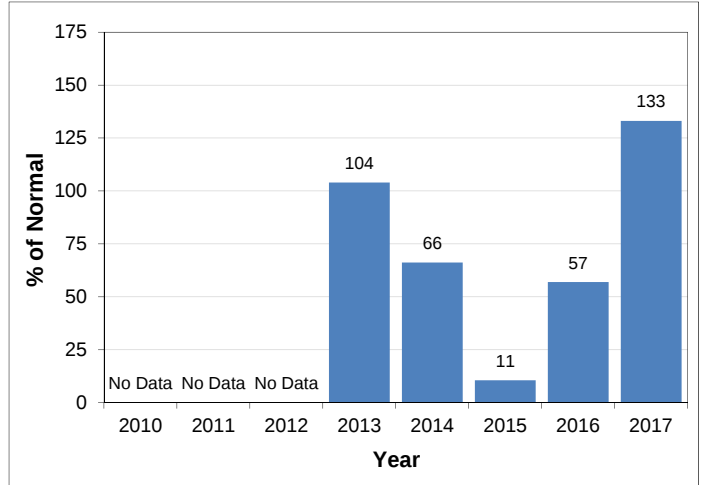


Snow Basin Index Graphs - May 15, 2017

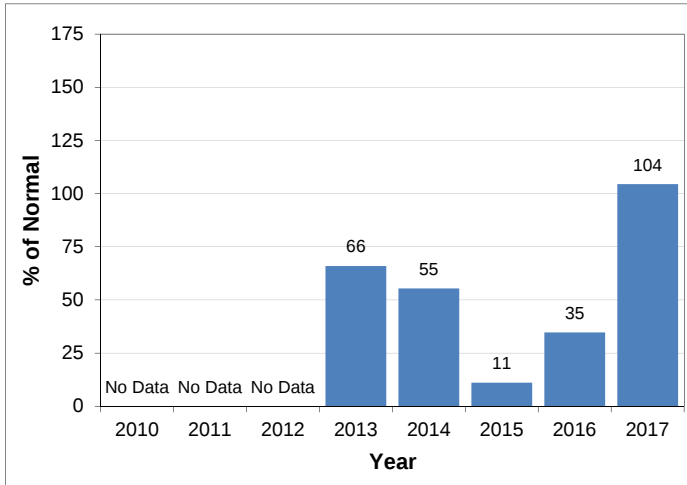
Similkameen



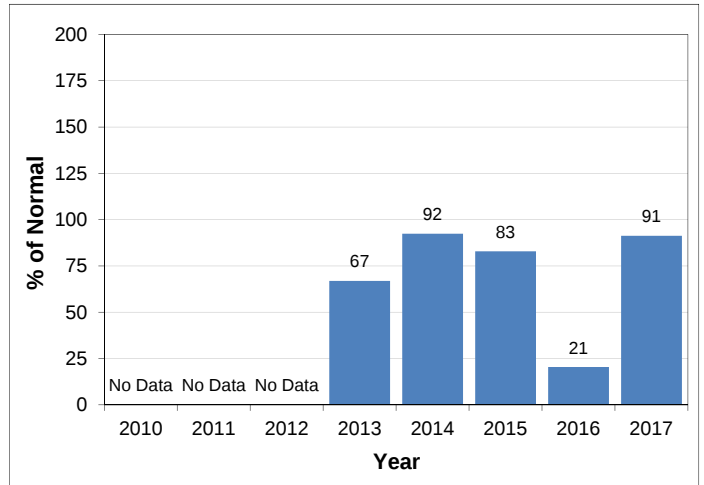
South Coast



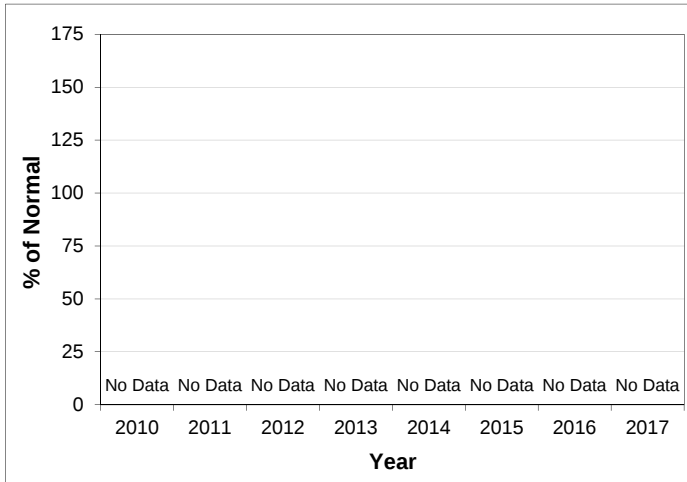
Vancouver Island



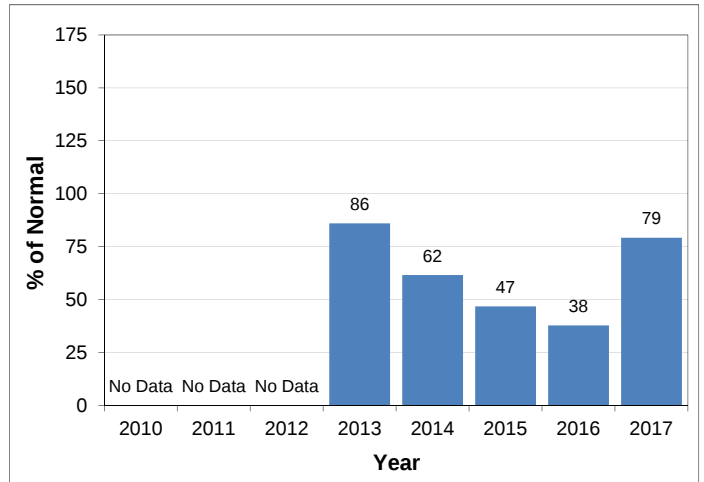
Central Coast



Northwest

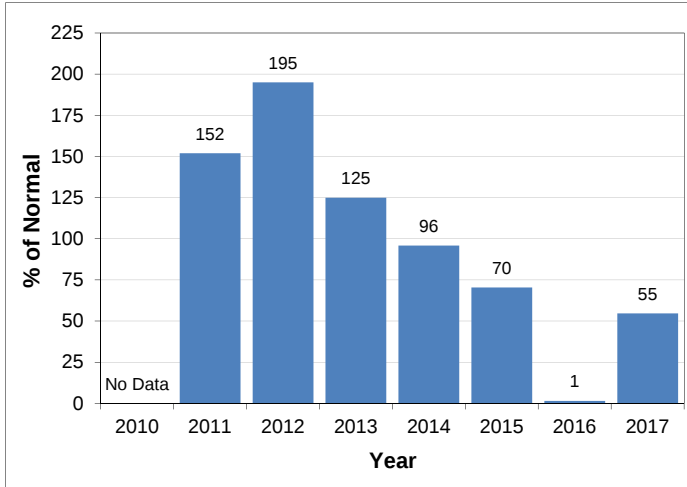


Peace

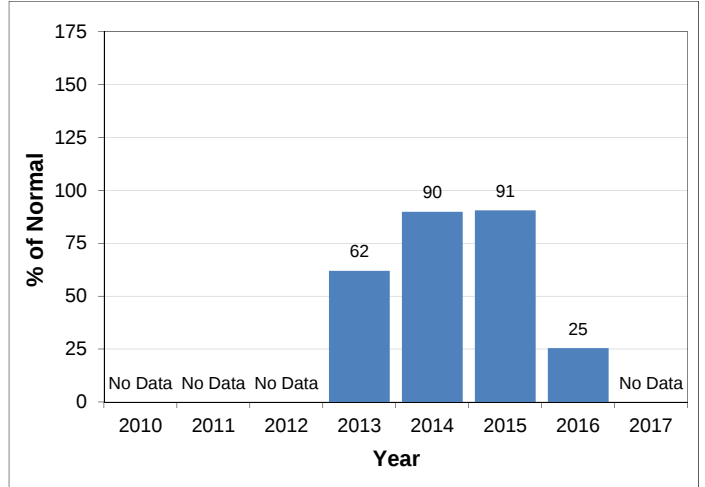


Snow Basin Index Graphs - May 15, 2017

Stikine



Skeena-Nass



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

The June 1st snow survey is now complete. Data from 21 snow courses and 71 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

Weather through May was mixed. The early part of the month saw a mix of periods of hot weather, thundershowers, and episodes of colder temperatures. The second half of the month saw two separate episodes of high pressure which delivered extreme heat through the BC Interior, with daily average temperatures that reached 8-10°C above normal. Hot spells were interspersed with period of wetter weather and showers.

Overall, May was generally wetter than normal, particularly in the South Interior, Central Interior and Peace. Average temperatures for May were typically 0.5-1.5°C above normal.

Snowpack

Extreme hot temperatures in the second half of May led to rapid snowmelt. Snow basin indices for June 1st 2017 range from a low of 7% of normal in the Stikine to a high of 228% of normal in the Okanagan (Table 1 and Figure 1). In general, snow basin indices remain elevated, particularly in the southern half of the province, with lower than normal indices in northern BC.

Table 1 - BC Snow Basin Indices – June 1st, 2017

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	120	Boundary	178
Upper Fraser East	48	Similkameen	103
Nechako	107	South Coast	135
Middle Fraser	107	Vancouver Island	91
Lower Fraser	142	Central Coast	44
North Thompson	113	Skagit	NO DATA
South Thompson	137	Peace	41
Upper Columbia	107	Skeena-Nass	68
West Kootenay	117	Stikine	7
East Kootenay	105	Liard	NO DATA
Okanagan	228	Northwest	NO DATA

In general rapid snow melt over the past few weeks led to declining snow basin index values since May 15th. This is a general indication that snowmelt has been more rapid than normal over the past few weeks, as would be expected given the extreme temperatures. Snow basin indices increased in the Okanagan and Boundary. June 1st snow basin indices are best viewed in terms of how the melt season is progressing rather than identifying specific on-

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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going flood risks; very low or very high June 1st indices can result from accelerated melt or delayed melt.

Streamflow

On-going wet weather, high snow packs, extreme hot temperatures and rapid snow melt have all contributed to very high freshet flows this season, particularly in southern BC. Many areas are still experiencing above normal flows for early-June. Inflows into lake systems has been both early, and higher than normal volume, leading to lake levels, particularly in southern BC, seeing extremely high levels for early-June. For example, inflows into Okanagan Lake in May were 240% of normal, and similarly over the March to end of May period inflow were 226% of normal. Preliminary analysis suggests that these inflows are 10% higher than the previously recorded maximum inflows over these periods observed in the past 96 years.

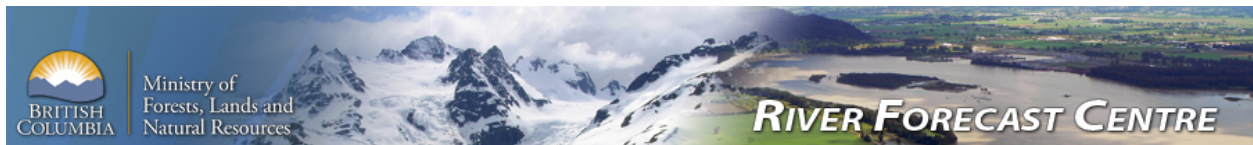
On smaller rivers and tributaries flowing from mid-elevation areas (primarily below 1600m), flows have been slowly declining over the past week back to normal levels for early-June. In northern BC, the influence of lower seasonal snow packs is becoming evident, as many smaller river systems have transitioned to below-normal flows. In the larger rivers of the province, and in areas with high elevation snow packs, rivers are at bankfull condition and at or near their peak from snow melt driven runoff. This includes the South Thompson River, North Thompson River, Thompson River, and Fraser River where current flows are between the 2-year and 10-year return period level.

Outlook

In smaller rivers and tributaries draining mid-elevation watersheds, flood risk from snow melt has peaked, and rivers have returned to more seasonal flows. This includes areas through the Central Interior and South Interior, including the Nicola River, Coldwater River, Salmon River, tributary rivers in the Okanagan, Mission Creek, and Kettle River. High June 1st snow basin indices in the Okanagan and Kettle better reflect the high flows and flood conditions that have already occurred rather than being an indication of future risk. Inflows into Okanagan Lake appear to be declining and the risks for future rises in inflow rates and lake levels will be mainly driven by rainfall.

Larger rivers and rivers draining higher elevation terrain are at or near their peak from snowmelt-driven runoff. As a result, rivers are still very sensitive to additional runoff, particularly from rainfall. This includes Shuswap Lake and tributaries, South Thompson River, North Thompson River, Thompson River, Fraser River, and tributaries in the Kootenay and Columbia. Current rain forecast over the next week may lead to higher flows in these rivers than has been experienced so far this year.

June is typically the wettest month of the year for most of the BC Interior, with risks of extreme rainfall. Flood risks across the province from rain-driven runoff are expected to be on-going through June.



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Current advisories, warnings, freshet information, hydrometric monitoring, river modelling and snow data are available on the River Forecast Centre website:

<http://bcrfc.env.gov.bc.ca/>.

The River Forecast Centre will continue to monitor snowpack conditions and will provide an updated seasonal flood risk forecast in the June 15th, 2017 bulletin, which is scheduled for release on June 22nd.

BC River Forecast Centre

June 7, 2017

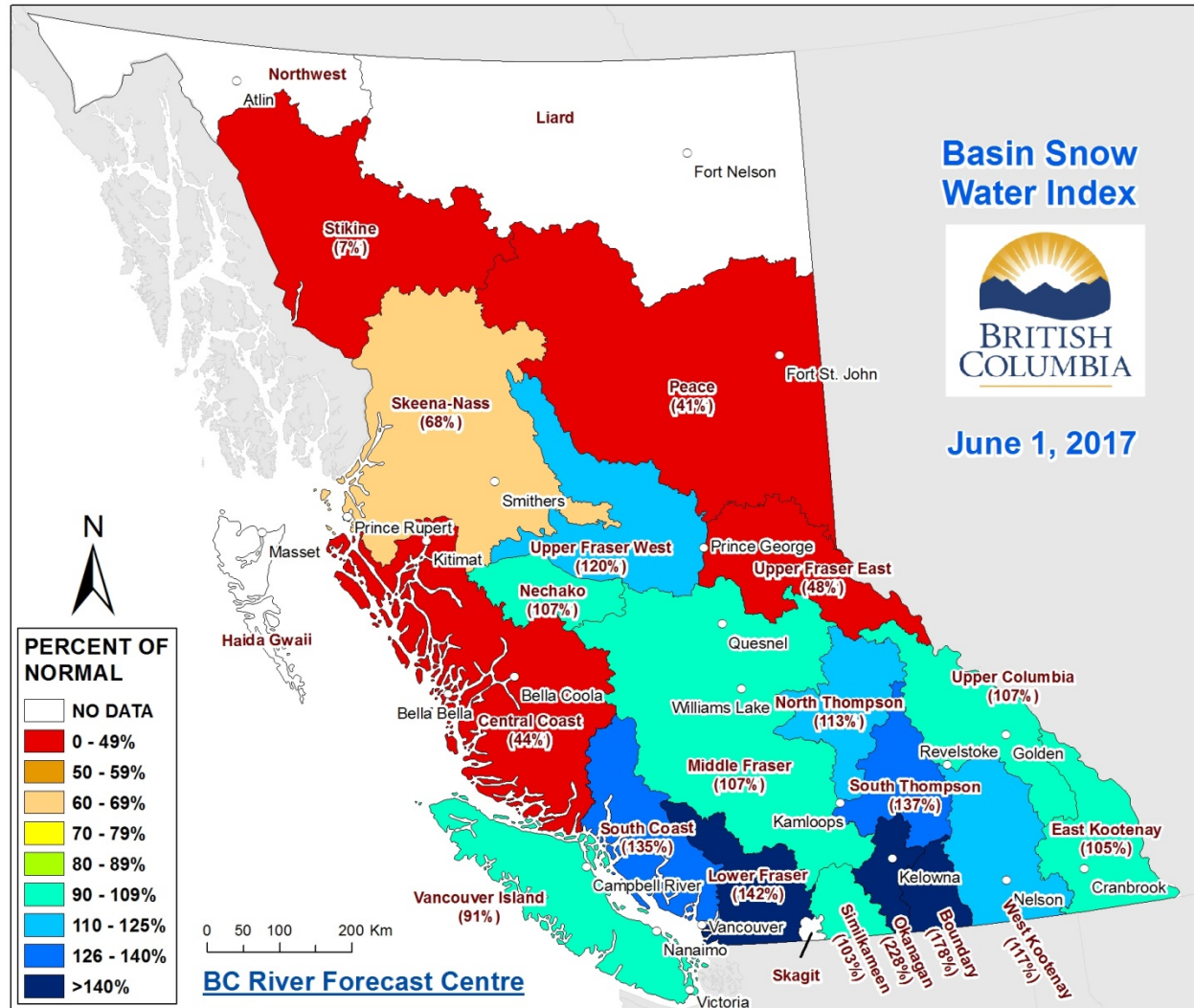


Ministry of
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Natural Resources

RIVER FORECAST CENTRE

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

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



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2017 Automated Snow Weather Station/Manual Snow Survey Data				June 1					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	2017-06-01	46	416		118%	35	79	0	857	354	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-06-01	3	2		1%	0	47	11	412	155	25
1A03P	Barkerville	Upper Fraser East	1483	2017-06-01	2	0		0%	1	1	0	291	46	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	NS	NS	NS	NS				0	1194	613	54
1A05P	Longworth Upper	Upper Fraser East	1740	2017-06-01	95	372								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS						0	
1A10	PRINCE GEORGE A	Upper Fraser East	684	NS	NS	NS	NS				81	81	0	3
1A11	PACIFIC LAKE	Upper Fraser East	756	NS	NS	NS	NS				165	165	96	35
1A12	KAZA LAKE	Upper Fraser West	1247	NS	NS	NS	NS				132	132	0	1
1A12P	Kaza Lake	Upper Fraser West	1248	2017-06-01	5	0			0		0	0		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-06-01	35	10		3%	0	8	0	1038	365	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	NS	NS	NS	NS				0	1113	652	36
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-06-01	62	239								0
1A16	BURNS LAKE	Upper Fraser West	820	NS	NS	NS	NS				50	50	0	13
1A17P	Revolution Creek	Upper Fraser East	1676	2017-06-01	81	339		71%	36	405	0	1127	478	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-06-01	97	438		69%	283	449	255	1080	639	11
1A23	BIRD CREEK	Upper Fraser West	1196	2017-05-31	0	0			0	0	0	0	0	20
1B01	MOUNT WELLS	Nechako	1489	2017-05-31	63	261		120%	0	201	0	529	217	36
1B01P	Mount Wells	Nechako	1489	2017-06-01		363		157%	1	266	0	716	231	25
1B02	TAHTSA LAKE	Nechako	1319	2017-05-31	198	930		95%	309	845	406	1829	982	38
1B02P	Tahtsa Lake	Nechako	1319	2017-06-01		1017		103%	401	736	277	2157	992	25
1B05	SKINS LAKE	Nechako	877	2017-05-31	0	0			0	0	0	53	0	22
1B06	MOUNT SWANNELL	Nechako	1596	2017-05-31	0	0		0%	0	0	0	350	110	27
1B07	NUTLI LAKE	Nechako	1502	2017-05-31	20	88		37%	0	0	0	618	241	24
1B08P	Mount Pondosy	Nechako	1413	2017-06-01		439		137%	1	253	0	951	320	25
1C01	BROOKMERE	Middle Fraser	994	NS	NS	NS	NS						0	6
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	NS	NS	NS	NS				239	239	264	23
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS						0	
1C08	NAZKO	Middle Fraser	1029	NS	NS	NS	NS				31	31	0	1
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS	NS	NS	NS						0	9
1C12P	Green Mountain	Middle Fraser	1766	2017-06-01		334		62%	235	148	140	1186	537	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	NS	NS	NS	NS						0	2
1C14	BRALORNE	Middle Fraser	1382	NS	NS	NS	NS				77	77	0	1
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-05-28	11	34		65%	0	0	0	332	52	50
1C18P	Mission Ridge	Middle Fraser	1903	2017-06-01		172		176%	0	0	0	709	98	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS	NS	NS	NS						0	3
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-06-01	5	64		51%	1	0	0	401	126	23

1C21	BIG CREEK	Middle Fraser	1130	NS	NS	NS	NS				42	42	0	1
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	NS	NS	NS	NS				22	22	0	3
1C23	PENFOLD CREEK	Middle Fraser	1687	NS	NS	NS	NS				353	1354	841	45
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	NS	NS	NS	NS				119	119	0	1
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						0	
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	NS	NS	NS	NS				116	116	0	1
1C37	BRALORNE(UPPER)	Middle Fraser	1980	NS	NS	NS	NS				290	290	0	1
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	NS	NS	NS	NS						0	
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-06-01		656			603		603	603		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	NS	NS	NS	NS				300	300	0	1
1C40	TYAUGHTON	Middle Fraser	1946	NS	NS	NS	NS				198	198	0	1
1C40P	North Tyaughton	Middle Fraser	1969	2017-06-01		0			0		0	0		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-06-01	77	432		91%	122	285	128	979	475	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	NS	NS	NS	NS							
1D06P	Tenquille Lake	Lower Fraser	1669	2017-06-01	207	972		135%	399	204	204	1414	719	16
1D08	STAVE LAKE	Lower Fraser	1211	NS	NS	NS	NS				584	584	1872	7
1D09	WAHLEACH LAKE	Lower Fraser	1395	NS	NS	NS	NS				224	224	266	12
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-06-01		358		50%	239	11	0	1525	720	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530	NS	NS	NS	NS				634	634	1497	11
1D16	DICKSON LAKE	Lower Fraser	1147	NS	NS	NS	NS				466	466	0	1
1D17P	Chilliwack River	Lower Fraser	1621	2017-06-01	207	1327		123%	563	0	0	2186	1082	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-06-01	204	1366		109%	328	0	0	2650	1248	18
1E01B	BLUE RIVER	North Thompson	673	NS	NS	NS	NS				160	160	0	6
1E02P	Mount Cook	North Thompson	1574	2017-06-01	211	1103		103%	1031	670	593	1579	1071	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	NS	NS	NS	NS						0	2
1E05	KNOUFF LAKE	North Thompson	1189	NS	NS	NS	NS						0	
1E07	ADAMS RIVER	North Thompson	1769	2017-05-29	152	615		114%	370	220	0	1155	540	44
1E08P	Azure River	North Thompson	1625	2017-06-01	156	1083		120%	430	712	473	1729	902	20
1E10P	Kostal Lake	North Thompson	1760	2017-06-01		795		116%	427	314	155	1386	683	32
1E14P	Cook Creek	North Thompson	1280	2017-06-01	2	65			0		0	0		1
1F01A	ABERDEEN LAKE	South Thompson	1262	NS	NS	NS	NS				85	85	0	2
1F02	ANGLEMONT	South Thompson	1168	NS	NS	NS	NS						8	12
1F03P	Park Mountain	South Thompson	1857	2017-06-01	168	870		118%	573	474	0	1269	740	32
1F04P	Enderby	South Thompson	1950	2017-06-01	230	1045								0
1F06P	Celista Mountain	South Thompson	1533	2017-06-01	110	681		138%	267	96	53	894	495	12
2A01A	CANOE RIVER	Upper Columbia	866	NS	NS	NS	NS						0	1
2A02	GLACIER	Upper Columbia	1249	NS	NS	NS	NS				362	362	263	47
2A03A	FIELD	Upper Columbia	1310	NS	NS	NS	NS						0	3
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-06-01		1137		111%	663	497	240	2063	1025	24
2A07	KICKING HORSE	Upper Columbia	1648	NS	NS	NS	NS				160	160	66	38

2A11	BEAVERFOOT	Upper Columbia	1924	NS	NS	NS	NS				148	148	0	2
2A14	MOUNT ABBOT	Upper Columbia	2031	NS	NS	NS	NS				600	600	1162	35
2A16	GOLDSTREAM	Upper Columbia	1914	NS	NS	NS	NS				584	584	0	1
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	NS	NS	NS	NS				590	590	1121	36
2A18	KEYSTONE CREEK	Upper Columbia	1839	NS	NS	NS	NS				414	414	0	1
2A18P	Keystone Creek	Upper Columbia	1850	2017-06-01		910			432		432	432		1
2A19	VERMONT CREEK	Upper Columbia	1533	NS	NS	NS	NS				286	286	0	2
2A21P	Molson Creek	Upper Columbia	1930	2017-06-01		873		103%	525	562	82	1462	849	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	NS	NS	NS	NS				469	469	0	1
2A23	BUSH RIVER	Upper Columbia	1982	NS	NS	NS	NS				483	483	0	1
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	NS	NS	NS	NS				671	671	969	2
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	NS	NS	NS	NS				338	338	99	9
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	NS	NS	NS	NS				335	335	1130	8
2A30P	Colpitti Creek	Upper Columbia	2131	2017-06-01		700			218		218	218		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-06-01		825			440		440	440		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-06-01		545			172		172	172		1
2B02A	FARRON	Lower Columbia	1229	NS	NS	NS	NS				157	157	3	19
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	NS	NS	NS	NS						0	10
2B06P	Barnes Creek	Lower Columbia	1595	2017-06-01		24		15%	3	1	0	627	157	24
2B07	KOCH CREEK	Lower Columbia	1813	NS	NS	NS	NS				415	415	0	3
2B08P	St. Leon Creek	Lower Columbia	1822	2017-06-01		1095		132%	404	431	225	1560	830	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-05-31	106	525		137%	94	0	0	1073	384	42
2C01	SINCLAIR PASS	East Kootenay	1374	NS	NS	NS	NS						0	13
2C04	SULLIVAN MINE	East Kootenay	1580	2017-05-30	0	0	T	0%	0	0	0	137	6	34
2C07	FERNIE EAST	East Kootenay	1213	NS	NS	NS	NS				98	98	4	17
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-06-01		159		93%	0	0	0	874	171	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-06-01	1	0		0%	0	1	0	466	30	38
2C14P	Floe Lake	East Kootenay	2110	2017-06-01		665		118%	192	197	94	979	565	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	NS	NS	NS	NS				270	270	0	1
2C16	MOUNT JOFFRE	East Kootenay	1763	NS	NS	NS	NS				206	206	0	1
2C17	THUNDER CREEK	East Kootenay	2062	NS	NS	NS	NS				190	190	0	1
2D02	FERGUSON	West Kootenay	929	NS	NS	NS	NS				320	320	65	14
2D03	SANDON	West Kootenay	1072	NS	NS	NS	NS						0	3
2D04	NELSON	West Kootenay	952	NS	NS	NS	NS				121	121	1	18
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	2017-05-29	44	194		131%	0	0	0	551	148	65
2D06	CHAR CREEK	West Kootenay	1290	N	N	N	N		0	0	0	362	82	43
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	NS	NS	NS	NS						0	
2D08P	East Creek	West Kootenay	2004	2017-06-01		918		129%	378	445	111	1256	713	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	NS	NS	NS	NS				520	520	0	1
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	2017-05-29	135	641		136%	305	199	0	1120	470	45
2D14P	Redfish Creek	West Kootenay	2086	2017-06-01	315	1548		137%	979	899	751	1822	1127	15
2E01	MONASHEE PASS	Kettle	1387	NS	NS	NS	NS				165	165	62	28

2E02	CARMI	Kettle	1254	NS	NS	NS	NS							0	5
2E03	BIG WHITE MOUNTAIN	Kettle	1672	2017-05-30	63	228	B	151%	0					151	50
2E07P	Grano Creek	Kettle	1874	2017-06-01		548		191%	56	9	0	750	287	19	
2F01A	TROUT CREEK (West)	Okanagan	1430	NS	NS	NS	NS				93	93	0	1	
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	NS	NS	NS	NS				172	172	0	9	
2F03	MC CULLOCH	Okanagan	1266	NS	NS	NS	NS						0		
2F04	GRAYSTOKE LAKE	Okanagan	1818	NS	NS	NS	NS				168	168	236	14	
2F05P	Mission Creek	Okanagan	1794	2017-06-01	84	323		192%	50	1	0	641	168	47	
2F07	POSTILL LAKE	Okanagan	1358	NS	NS	NS	NS						0	2	
2F08P	Greyback Reservoir	Okanagan	1550	2017-06-01	7	0								0	
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	2017-05-29	69	294		230%	61	0	0	848	128	45	
2F10P	Silver Star Mountain	Okanagan	1839	2017-06-01	172	930			271		271	271		1	
2F11	ISINTOK LAKE	Okanagan	1651	NS	NS	NS	NS				108	108	1	22	
2F12	MOUNT KOBAN	Okanagan	1817	2017-05-28	71	316		261%	0	0	0	488	121	51	
2F13	ESPERON CR (UPPER)	Okanagan	1634	2017-05-27	52	234		135%	0	0			173	12	
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	2017-05-27	27	122		452%	0	0			27	12	
2F18P	Brenda Mine	Okanagan	1453	2017-06-01		0		0%	0	0	0	217	3	24	
2F19	OOYAMA LAKE	Okanagan	1365	NS	NS	NS	NS						391	4	
2F20	VASEUX CREEK	Okanagan	1403	NS	NS	NS	NS						0	9	
2F21	BOULEAU LAKE	Okanagan	1405	NS	NS	NS	NS						0	4	
2F23	MACDONALD LAKE	Okanagan	1742	NS	NS	NS	NS						172	18	
2F24	ISLAHT LAKE	Okanagan	1492	NS	NS	NS	NS						0		
2F25	POSTILL LAKE UPPER	Okanagan	1500	NS	NS	NS	NS							0	
2G03P	Blackwall Peak	Similkameen	1934	2017-06-01	88	414		103%	131	100	0	1253	403	49	
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	NS	NS	NS	NS						106	37	
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	NS	NS	NS	NS						0	21	
2G06	HAMILTON HILL	Similkameen	1477	NS	NS	NS	NS						2	24	
3A01	GROUSE MOUNTAIN	South Coast	1126	NS	NS	NS	NS				596	596	0	2	
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						350	2	
3A10	DOG MOUNTAIN	South Coast	1007	2017-05-31	239	1331		186%	55	0	0	2480	714	31	
3A19	ORCHID LAKE	South Coast	1178	2017-05-31	350	2010		143%	756	0	0	3648	1409	38	
3A20	CALLAGHAN CREEK	South Coast	1009	2017-05-30	45	240		103%	0	0	0	1228	233	32	
3A22P	Nostetuko River	South Coast	1457	2017-06-01	0	3		3%	0	0	0	675	102	28	
3A24P	Mosley Creek Upper	South Coast	1655	2017-06-01	4	0		0%	0	0	0	236	27	28	
3A25P	Squamish River Upper	South Coast	1387	2017-06-01		1277		108%	788	0	0	2800	1184	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	NS	NS	NS	NS				660	660	1222	30	
3B02A	MOUNT COKELY	Vancouver Island	1267	NS	NS	NS	NS						0		
3B04	ELK RIVER	Vancouver Island	270	NS	NS	NS	NS				40	40	0	1	

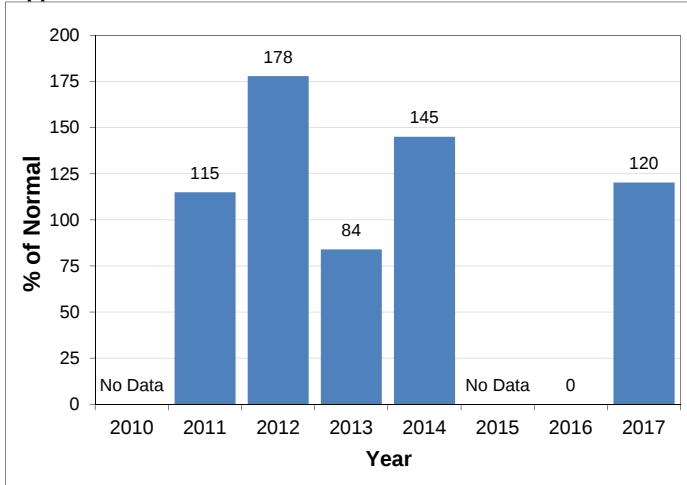
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS						995	14
3B17P	Wolf River Upper	Vancouver Island	1422	2017-06-01		796		81%	462	33	33	2466	981	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	NS	NS	NS	NS				230	230	237	17
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	NS	NS	NS	NS				160	160	0	17
3B23P	Jump Creek	Vancouver Island	1134	2017-06-01	118	698		101%	19	0	0	3142	694	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-06-01	234	1574			513		513	513		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-06-01	169									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	NS	NS	NS	NS						0	
3C08P	Burnt Bridge Creek	North Coast	1329	2017-06-01		134		44%	0	0	0	1116	304	19
3D01C	SUMALLO RIVER WEST	Skagit	801	NS	NS	NS	NS				82	82	0	1
3D02	LIGHTNING LAKE	Skagit	1254	NS	NS	NS	NS						0	2
3D03A	KLESILKWA	Skagit	1134	NS	NS	NS	NS				134	134	0	3
4A02P	Pine Pass	Peace	1386	2017-06-01	122	528		74%	351	388	183	1658	713	28
4A03	WARE (UPPER)	Peace	1563	NS	NS	NS	NS				90	90	0	1
4A03P	Ware Upper	Peace	1565	2017-06-01	0	0								0
4A04	WARE (LOWER)	Peace	969	NS	NS	NS	NS				89	89	0	1
4A04P	Ware Lower	Peace	971	2017-06-01	6	0								0
4A05	GERMANSEN (UPPER)	Peace	1489	NS	NS	NS	NS				156	156	0	2
4A06	TUTIZZI LAKE	Peace	1043	NS	NS	NS	NS				106	106	0	1
4A07	LADY LAURIER LAKE	Peace	1460	NS	NS	NS	NS		49		194	194	0	1
4A09	PULPIT LAKE	Peace	1331	NS	NS	NS	NS				152	152	0	1
4A09P	Pulpit Lake	Peace	1331	2017-06-01	1	3		7%	0	0	0	225	43	27
4A10	FREDRICKSON LAKE	Peace	1323	NS	NS	NS	NS				93	93	0	1
4A11	TRYGVE LAKE	Peace	1409	NS	NS	NS	NS				119	119	0	1
4A12	TSAYDAYCHI LAKE	Peace	1173	NS	NS	NS	NS				166	166	0	1
4A13	PHILIP LAKE	Peace	1013	NS	NS	NS	NS				137	137	0	1
4A16	MORFEE MOUNTAIN	Peace	1427	NS	NS	NS	NS		0		265	265	249	15
4A18	MOUNT SHEBA	Peace	1480	NS	NS	NS	NS				369	369	663	12
4A20	MONKMAN CREEK	Peace	1566	NS	NS	NS	NS		32		190	190	491	12
4A21	MOUNT STEARNS	Peace	1514	NS	NS	NS	NS		7		41	41	0	1
4A25	FORT ST. JOHN A	Peace	692	NS	NS	NS	NS				34	34	0	2
4A27P	Kwadacha North	Peace	1554	2017-06-01	11	0								0
4A30P	Aiken Lake	Peace	1061	2017-06-01	0	3		60%	0	2	0	90	5	32
4A31P	Crying Girl Prairie	Peace	1358	2017-06-01		0			0		0	0		1
4A33P	Muskwa-Kechika	Peace	1196	2017-06-01		0			0		0	0		1
4A34P	Dowling Creek	Peace	1456	2017-06-01		0								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	2017-05-31	125	672		107%	24	429	0	1359	630	39
4B02	JOHANSON LAKE	Skeena-Nass	1480	NS	NS	NS	NS				108	108	0	1
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	2017-06-01	25	76		29%	0	47	0	729	259	45
4B04	CHAPMAN LAKE	Skeena-Nass	1485	NS	NS	NS	NS						455	8
4B06	TACHEK CREEK	Skeena-Nass	1133	NS	NS	NS	NS						0	
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	NS	NS	NS	NS						22	16

4B08	MOUNT CRONIN	Skeena-Nass	1491	NS	NS	NS	NS							646	11
4B10	NINGUNSAW PASS	Nass	647	NS	NS	NS	NS							0	5
4B11A	BEAR PASS	Nass	437	NS	NS	NS	NS							33	6
4B12P	Granduc Mine	Skeena-Nass	790	2017-06-01	180	381									0
4B13A	TERRACE A	Skeena-Nass	219	NS	NS	NS	NS				68	68		0	1
4B14	EQUITY MINE	Skeena-Nass	1434	NS	NS	NS	NS							81	14
4B15	LU LAKE	Skeena-Nass	1296	NS	NS	NS	NS							28	14
4B15P	Lu Lake	Skeena-Nass	1308	2017-06-01	0	1		4%	0	15	0	180		24	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-06-01	47	244		35%	4	218	98	1261		703	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-06-01		773		75%	289	931	302	2103		1028	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-06-01	0	1		1%	7	9	0	640		166	16
4C01	SIKANNI LAKE	Liard	1390	NS	NS	NS	NS		0		78	78		0	1
4C01P	Sikanni Lake	Liard	1400	2017-06-01	0	3									0
4C02	SUMMIT LAKE	Liard	1291	NS	NS	NS	NS							0	
4C03	DEASE LAKE	Liard	805	NS	NS	NS	NS							0	11
4C05	FORT NELSON AIRPORT	Liard	368	NS	NS	NS	NS				38	38		0	1
4C15	JADE CITY	Liard	943	NS	NS	NS	NS							0	2
4D01	TELEGRAPH CREEK	Stikine	490	NS	NS	NS	NS							0	2
4D02	ISKUT	Stikine	931	NS	NS	NS	NS							0	5
4D11P	Kinaskan Lake	Stikine	1020	2017-06-01	8	0		0%	0	0	94	94		28	21
4E02B	ATLIN LAKE	Yukon	730	NS	NS	NS	NS								

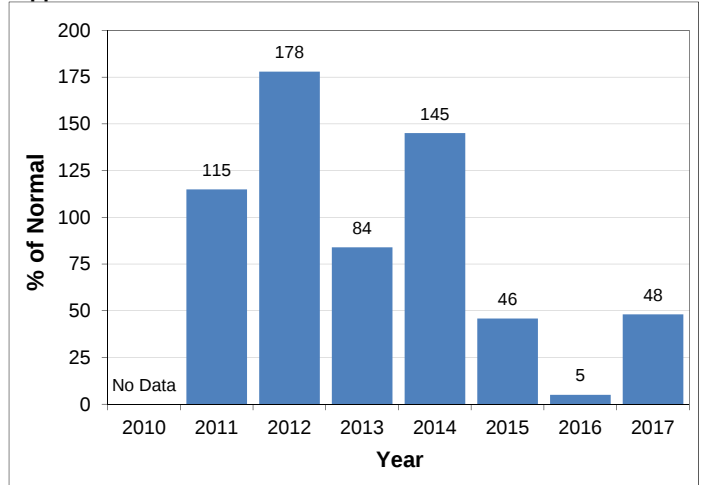
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - June 1, 2017

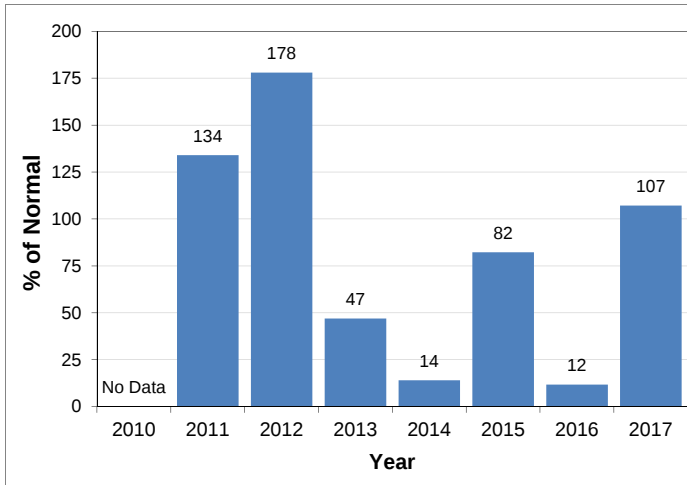
Upper Fraser West



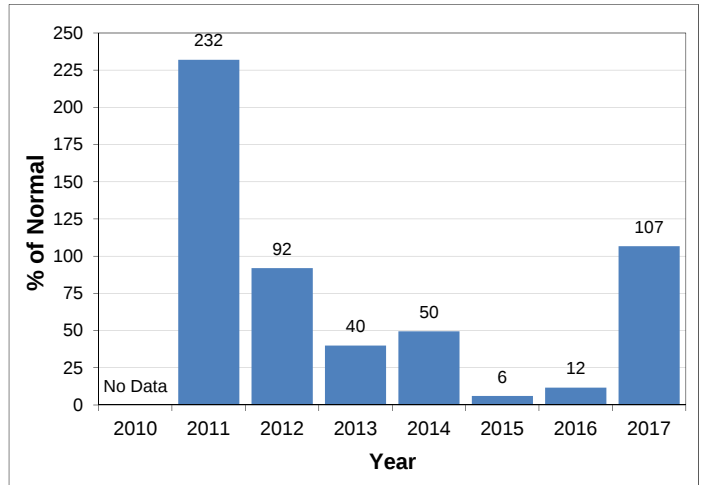
Upper Fraser East



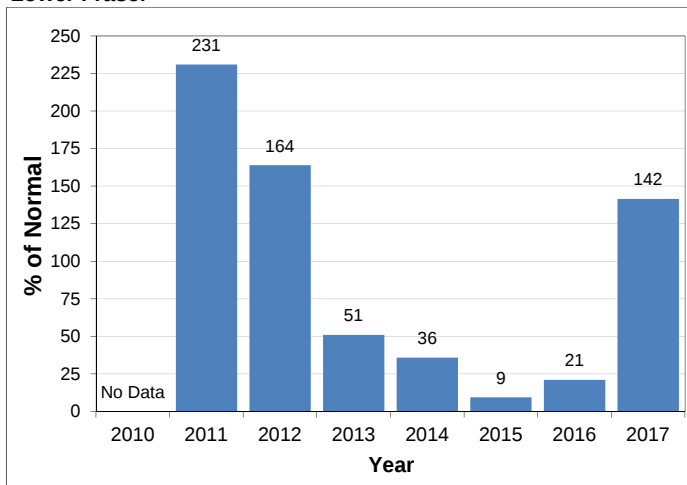
Nechako



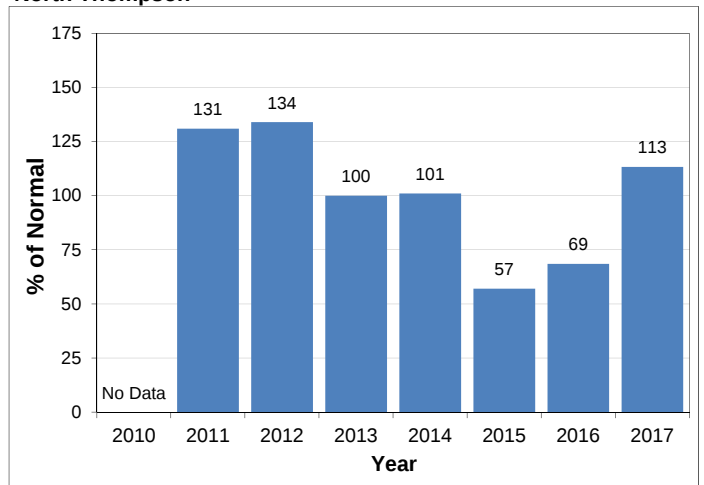
Middle Fraser



Lower Fraser

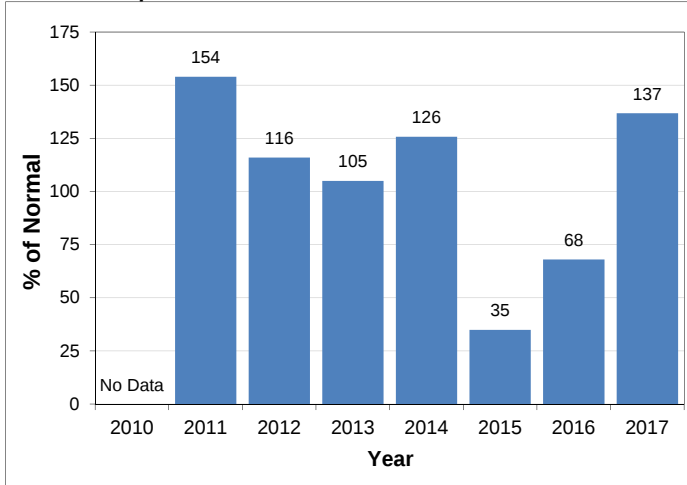


North Thompson

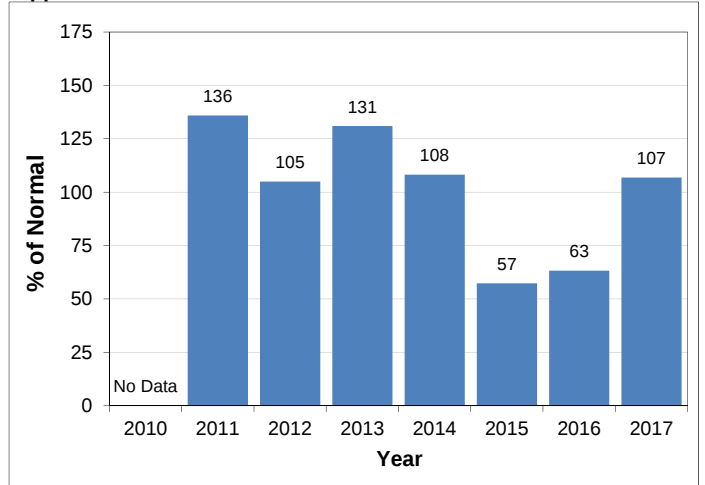


Snow Basin Index Graphs - June 1, 2017

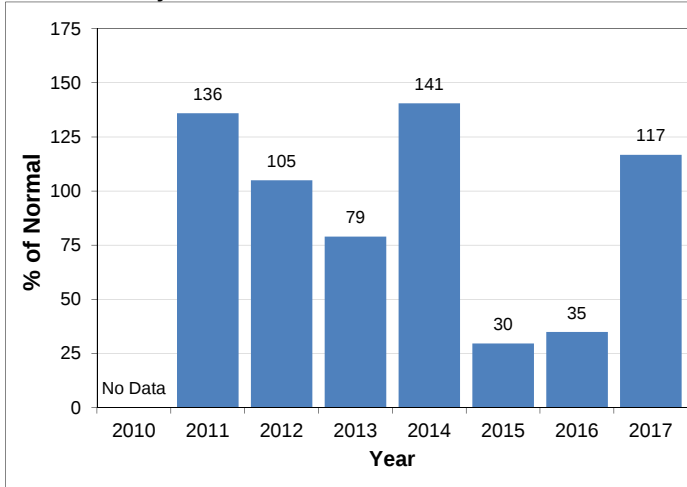
South Thompson



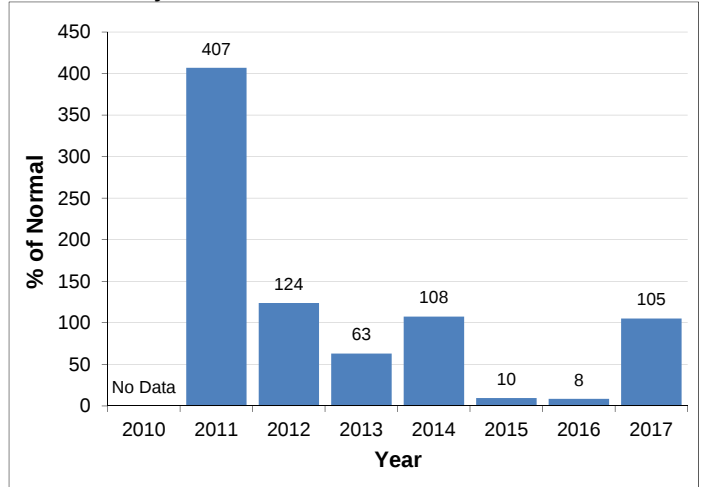
Upper Columbia



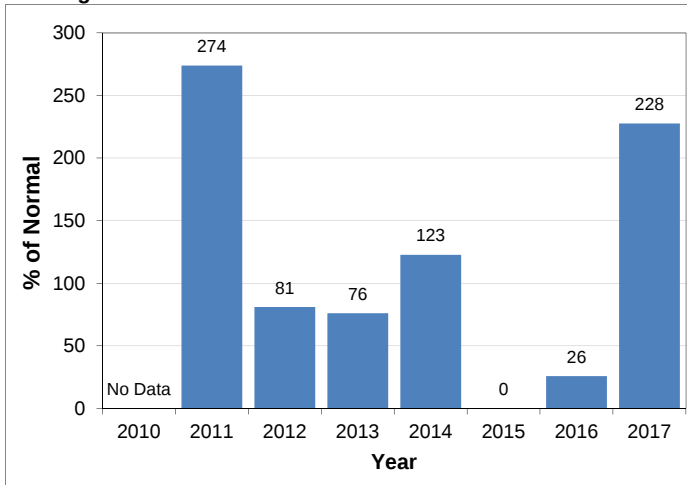
West Kootenay



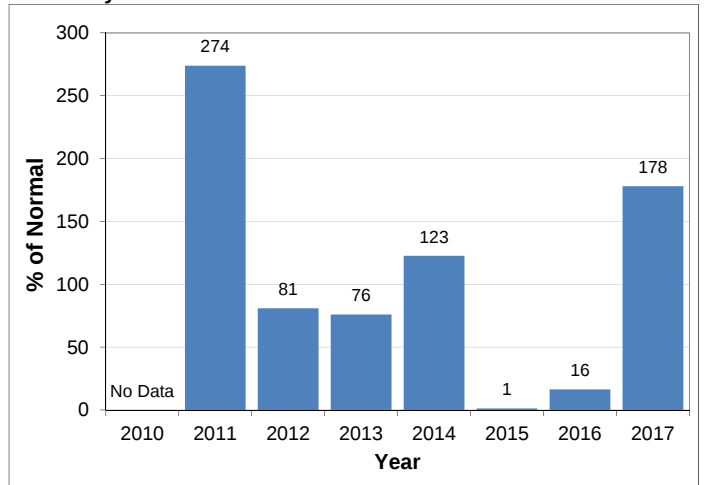
East Kootenay



Okanagan

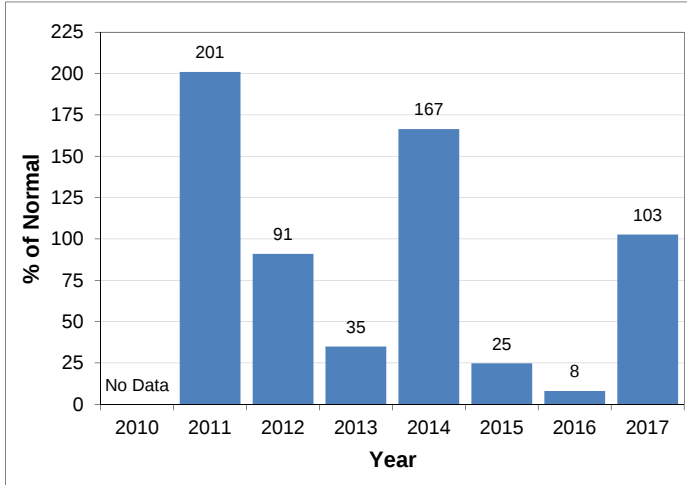


Boundary

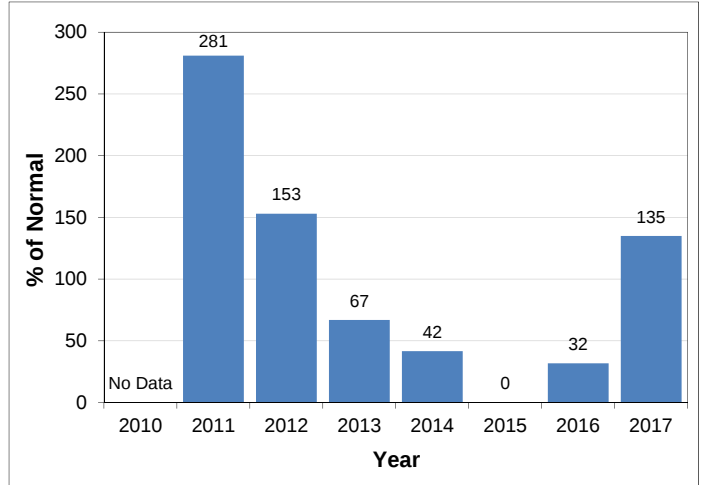


Snow Basin Index Graphs - June 1, 2017

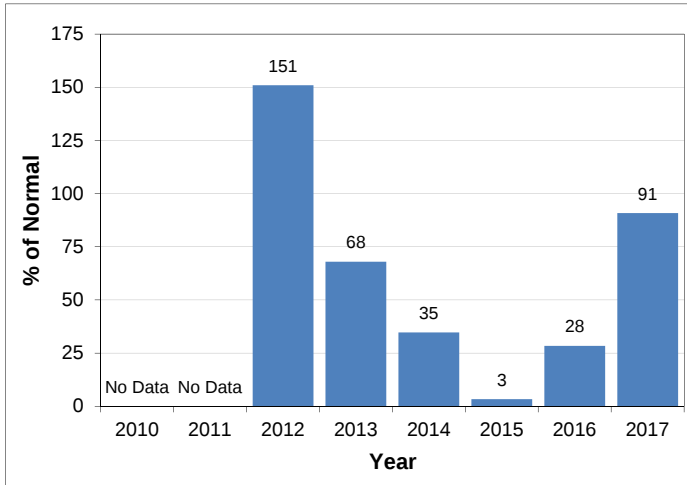
Similkameen



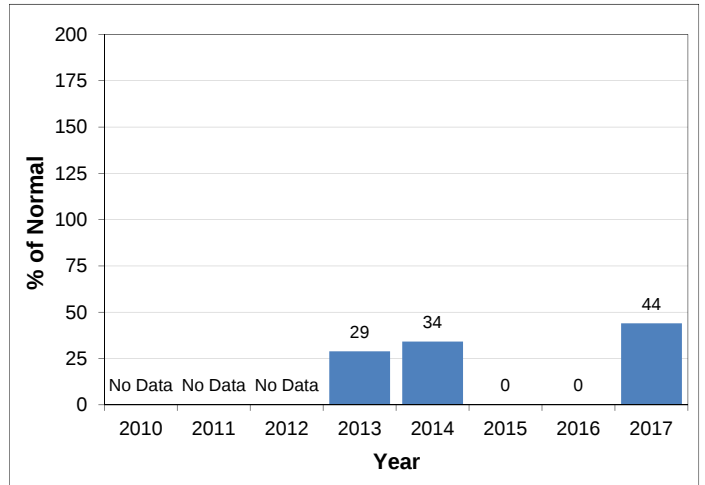
South Coast



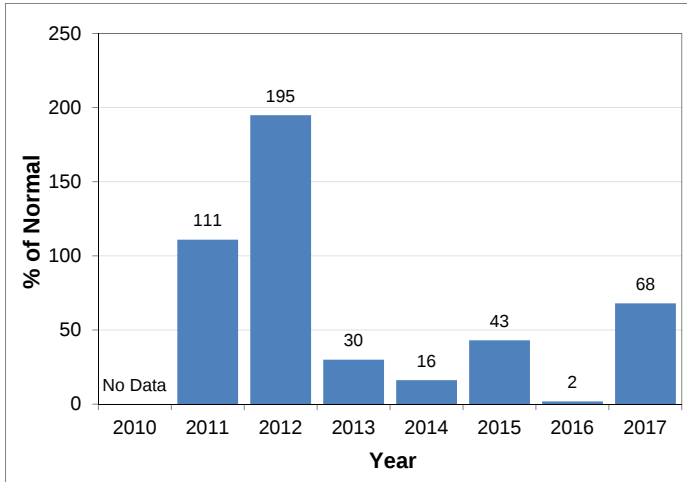
Vancouver Island



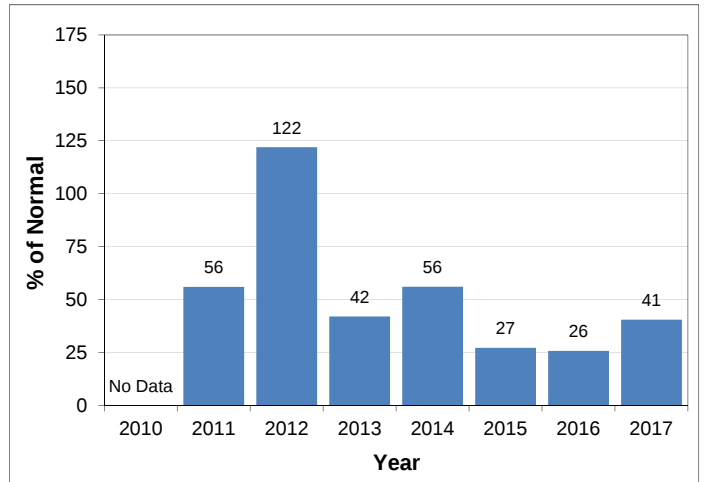
Central Coast



Skeena-Nass



Peace



Snow Survey and Water Supply Bulletin – June 15th, 2017

The June 15th snow survey is now complete. Data from 3 snow courses and 71 automated snow weather stations around the province, collected by the Ministry of Environment Snow Survey Program and partners, and climate data from Environment Canada have been used to form the basis of the following report¹.

Weather

Weather in June has been mixed. Temperatures have been generally above normal, particularly in southern, central and north-east BC. A heavy rainfall event in northern BC in early-June has led to above-normal precipitation. Despite significant rainfall through the spring, areas of southern BC have generally experienced below-normal precipitation over the past few weeks.

Snowpack

Snow packs are depleted at approximately half of the snow monitoring locations across the province as of June 15th. At high elevations, snow is still present, with typical snow water equivalent amounts in the 150-600 mm range.

Snow basin indices are mixed for the June 15th period. Since very few manual snow surveys are collected on June 15th (historically and for the 2017 survey period), snow conditions are largely interpreted from automated snow weather station data. As a result, many basins have limited data to assess snow basin index values.

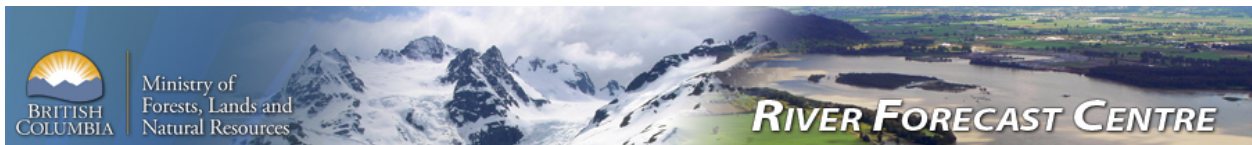
Table 1: BC Snow Basin Indices – June 15, 2017

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	NO DATA	Boundary	38
Upper Fraser East	36	Similkameen	32
Nechako	NO DATA	South Coast	189
Middle Fraser	162	Vancouver Island	68
Lower Fraser	210	Central Coast	NO DATA
North Thompson	130	Skagit	NO DATA
South Thompson	115	Peace	36
Upper Columbia	99	Skeena-Nass	NO DATA
West Kootenay	136	Stikine	NO DATA
East Kootenay	109	Liard	NO DATA
Okanagan	NO DATA	Northwest	NO DATA

1. 'No Data' indicates that no basin index snow surveys were conducted within the basin during this survey period, or no snow was recorded at sites with surveying.

In regions of the province with higher elevation, or deeper seasonal snow accumulation, snow basin indices are nearer to normal, or above normal. This includes the mountainous regions of the Middle Fraser, Lower Fraser, South Coast, Columbia and Kootenay.

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.



Snow Survey and Water Supply Bulletin – June 15th, 2017

Elsewhere, low June 15th snow basin indices are present and largely reflect the rapid melt of snow through the May and early-June period.

Streamflow

Freshet runoff echoes the pattern in snow melt, with many rivers experiencing an early peak due to rapid snow melt in May. Flows through the BC Interior have begun to recede from their freshet peak levels. In most areas of the province, flows have receded to more typical levels for this time of year. In areas of northern BC and the South Interior, below normal flows are beginning to occur as a result of low snow packs and early snow melt.

Outlook

The Climate Prediction Centre at the U.S. National Weather Service/NOAA has identified ENSO-neutral conditions at present, with a slightly favoured outlook for ENSO-neutral conditions through the fall of 2017. Seasonal forecasts from Environment Canada are indicating an increased likelihood of above normal temperatures over the summer period (June through August).

Across the province, snow-melt driven flood risk for the remainder of the season is minimal; flooding from extreme rainfall is still possible.

The early end to the freshet this season is expected to lead to a transition to summer flows earlier than is usual, and may result in lower than normal flows later in the summer. In some areas, this transition has been taking place, particularly in areas that had low snow packs this year (i.e. northern BC) and areas where snow influence on streamflow ended earlier (e.g. smaller streams in the South Interior). Risks for low flows this season are elevated in northern BC due to lower than normal seasonal accumulation of snow. Across the province, summer rainfall will be a dominant factor in whether or not low flows occur.

This is the final Snow Survey and Water Supply Bulletin for the 2017 season. The River Forecast Centre will continue to monitor streamflow and weather across the province, and issue Water Supply and Streamflow Bulletins throughout the summer as conditions warrant. Seasonal information on drought and drought levels is available on the [BC Drought Information Portal](#).

BC River Forecast Centre
June 22, 2017

2017 Automated Snow Weather Station/Manual Snow Survey Data				June 15					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	2017-06-15	5	66		49%	25	23	0	641	135	20
1A02P	McBride Upper	Upper Fraser East	1608	2017-06-15	2	0		0%	0	0	0	198	1	25
1A03P	Barkerville	Upper Fraser East	1483	2017-06-15	2	0		0%	1	1	0	123	3	42
1A05	LONGWORTH (UPPER)	Upper Fraser East	1693	NS	NS	NS	NS				296	296	388	6
1A05P	Longworth Upper	Upper Fraser East	1740	2017-06-15	31	58								0
1A06A	HANSARD	Upper Fraser East	622	NS	NS	NS	NS						0	
1A10	PRINCE GEORGE A	Upper Fraser East	684	NS	NS	NS	NS				81	81	0	1
1A11	PACIFIC LAKE	Upper Fraser East	756	NS	NS	NS	NS				165	165	0	6
1A12	KAZA LAKE	Upper Fraser West	1247	NS	NS	NS	NS				132	132	0	1
1A12P	Kaza Lake	Upper Fraser West	1248	2017-06-15	5	0			0		0	0		1
1A14P	Hedrick Lake	Upper Fraser East	1118	2017-06-15	42	10		26%	0	9	0	587	38	17
1A15	KNUDSEN LAKE	Upper Fraser East	1598	NS	NS	NS	NS						714	8
1A15P	Knudsen Lake	Upper Fraser East	1601	2017-06-15	14	51								0
1A16	BURNS LAKE	Upper Fraser West	820	NS	NS	NS	NS				50	50	0	1
1A17P	Revolution Creek	Upper Fraser East	1676	2017-06-15	21	71		32%	2	26	0	927	223	32
1A19P	Dome Mountain	Upper Fraser East	1768	2017-06-15	38	165		45%	0	84	0	925	367	11
1A23	BIRD CREEK	Upper Fraser West	1196	NS	NS	NS	NS						0	
1B01	MOUNT WELLS	Nechako	1489	NS	NS	NS	NS						0	
1B01P	Mount Wells	Nechako	1489	2017-06-15		16		36%	0	0	0	321	44	25
1B02	TAHTSA LAKE	Nechako	1319	NS	NS	NS	NS						0	2
1B02P	Tahtsa Lake	Nechako	1319	2017-06-15		684		111%	64	264	0	1870	617	25
1B05	SKINS LAKE	Nechako	877	NS	NS	NS	NS				53	53	0	1
1B06	MOUNT SWANNELL	Nechako	1596	NS	NS	NS	NS						0	
1B07	NUTLI LAKE	Nechako	1502	NS	NS	NS	NS						0	
1B08P	Mount Pondosy	Nechako	1413	2017-06-15		46		61%	0	7	0	520	75	25
1C01	BROOKMERE	Middle Fraser	994	NS	NS	NS	NS						0	
1C05	MCGILLIVRAY PASS	Middle Fraser	1715	NS	NS	NS	NS				239	239	0	4
1C06	PAVILION	Middle Fraser	1209	NS	NS	NS	NS						0	
1C08	NAZKO	Middle Fraser	1029	NS	NS	NS	NS				31	31	0	1
1C09A	HIGHLAND VALLEY	Middle Fraser	1547	NS	NS	NS	NS						0	
1C12P	Green Mountain	Middle Fraser	1766	2017-06-15		1		0%	11	2	0	887	272	23
1C13A	HORSEFLY MOUNTAIN	Middle Fraser	1612	NS	NS	NS	NS						0	
1C14	BRALORNE	Middle Fraser	1382	NS	NS	NS	NS				77	77	0	1
1C17	MOUNT TIMOTHY	Middle Fraser	1632	2017-06-15	0	0		0%			161	161	126	5
1C18P	Mission Ridge	Middle Fraser	1903	2017-06-15		1		7%	0	0	0	387	15	47
1C19	GNAWED MOUNTAIN	Middle Fraser	1617	NS	NS	NS	NS						0	
1C20P	Boss Mountain Mine	Middle Fraser	1477	2017-06-15	0	0		0%	0	0	0	255	6	23

1C21	BIG CREEK	Middle Fraser	1130	NS	NS	NS	NS				42	42	0	1
1C22	PUNTZI MOUNTAIN	Middle Fraser	939	NS	NS	NS	NS				22	22	0	1
1C23	PENFOLD CREEK	Middle Fraser	1687	NS	NS	NS	NS				525	525	643	6
1C25	LAC LE JEUNE (UPPER)	Middle Fraser	1471	NS	NS	NS	NS				119	119	0	1
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						0	
1C33A	GRANITE MOUNTAIN	Middle Fraser	1175	NS	NS	NS	NS				116	116	0	1
1C37	BRALORNE(UPPER)	Middle Fraser	1980	NS	NS	NS	NS				290	290	0	1
1C38	DOWNTON LAKE (UPPER)	Middle Fraser	1884	NS	NS	NS	NS						0	
1C38P	Downton Lake Upper	Middle Fraser	1829	2017-06-15		458			512		512	512		1
1C39	BRIDGE GLACIER (LOWER)	Middle Fraser	1393	NS	NS	NS	NS				300	300	0	1
1C40	TYAUGHTON	Middle Fraser	1946	NS	NS	NS	NS				198	198	0	1
1C40P	North Tyaughton	Middle Fraser	1969	2017-06-15		0			0		0	0		1
1C41P	Yanks Peak East	Middle Fraser	1683	2017-06-15	3	15		8%	0	0	0	698	191	20
1C42	CAVERHILL LAKE	Middle Fraser	1400	NS	NS	NS	NS							
1D06P	Tenquille Lake	Lower Fraser	1669	2017-06-15	151	703		162%	153	0	0	1177	434	16
1D08	STAVE LAKE	Lower Fraser	1211	NS	NS	NS	NS				584	584	0	2
1D09	WAHLEACH LAKE	Lower Fraser	1395	NS	NS	NS	NS				224	224	71	7
1D09P	Wahleach Lake Upper	Lower Fraser	1408	2017-06-15		255		40%	8	8	0	1281	643	25
1D10	NAHATLATCH RIVER	Lower Fraser	1530	NS	NS	NS	NS				634	634	697	3
1D16	DICKSON LAKE	Lower Fraser	1147	NS	NS	NS	NS				466	466	0	1
1D17P	Chilliwack River	Lower Fraser	1621	2017-06-15	149	938		118%	14	0	0	2022	797	25
1D19P	Spuzzum Creek	Lower Fraser	1197	2017-06-15	153	1049		118%	0	0	0	2320	886	18
1E01B	BLUE RIVER	North Thompson	673	NS	NS	NS	NS				160	160	0	1
1E02P	Mount Cook	North Thompson	1574	2017-06-15	151	890		131%	625	206	206	1155	681	17
1E03A	TROPHY MOUNTAIN	North Thompson	1907	NS	NS	NS	NS						0	2
1E05	KNOUFF LAKE	North Thompson	1189	NS	NS	NS	NS						0	
1E07	ADAMS RIVER	North Thompson	1769	NS	NS	NS	NS						255	22
1E08P	Azure River	North Thompson	1625	2017-06-15	96	631		126%	38	150	75	1500	499	20
1E10P	Kostal Lake	North Thompson	1760	2017-06-15		465		132%	3	1	0	1248	351	32
1E14P	Cook Creek	North Thompson	1280	2017-06-15	2	25			0		0	0		1
1F01A	ABERDEEN LAKE	South Thompson	1262	NS	NS	NS	NS				85	85	0	1
1F02	ANGLEMONT	South Thompson	1168	NS	NS	NS	NS						0	
1F03P	Park Mountain	South Thompson	1857	2017-06-15	111	538		117%	198	31	0	1095	458	32
1F04P	Enderby	South Thompson	1950	2017-06-15	170	775								0
1F06P	Celista Mountain	South Thompson	1533	2017-06-15	39	194		108%	2	7	0	573	179	12
2A01A	CANOE RIVER	Upper Columbia	866	NS	NS	NS	NS						0	
2A02	GLACIER	Upper Columbia	1249	NS	NS	NS	NS				362	362	47	25
2A03A	FIELD	Upper Columbia	1310	NS	NS	NS	NS						0	
2A06P	Mount Revelstoke	Upper Columbia	1770	2017-06-15		740		106%	265	0	0	1801	700	24
2A07	KICKING HORSE	Upper Columbia	1648	NS	NS	NS	NS				160	160	0	6

2A11	BEAVERFOOT	Upper Columbia	1924	NS	NS	NS	NS				148	148	0	1
2A14	MOUNT ABBOT	Upper Columbia	2031	NS	NS	NS	NS				600	600	841	15
2A16	GOLDSTREAM	Upper Columbia	1914	NS	NS	NS	NS				584	584	0	1
2A17	FIDELITY MOUNTAIN	Upper Columbia	1852	NS	NS	NS	NS				590	590	816	26
2A18	KEYSTONE CREEK	Upper Columbia	1839	NS	NS	NS	NS				414	414	0	1
2A18P	Keystone Creek	Upper Columbia	1850	2017-06-15		594			81		81	81		1
2A19	VERMONT CREEK	Upper Columbia	1533	NS	NS	NS	NS				286	286	0	1
2A21P	Molson Creek	Upper Columbia	1930	2017-06-15		527		92%	114	53	0	1136	575	36
2A22	SUNBEAM LAKE	Upper Columbia	2066	NS	NS	NS	NS				469	469	0	1
2A23	BUSH RIVER	Upper Columbia	1982	NS	NS	NS	NS				483	483	0	1
2A25	KIRBYVILLE LAKE	Upper Columbia	1739	NS	NS	NS	NS				671	671	0	2
2A27	DOWNIE SLIDE (LOWER)	Upper Columbia	964	NS	NS	NS	NS				338	338	0	2
2A29	DOWNIE SLIDE (UPPER)	Upper Columbia	1628	NS	NS	NS	NS				335	335	540	3
2A30P	Colpitti Creek	Upper Columbia	2131	2017-06-15		390			0		0	0		1
2A31P	Caribou Creek Upper	Upper Columbia	2201	2017-06-15		469			40		40	40		1
2A32P	Wildcat Creek	Upper Columbia	2122	2017-06-15		320			0		0	0		1
2B02A	FARRON	Lower Columbia	1229	NS	NS	NS	NS				157	157	0	1
2B05	WHATSHAN (UPPER)	Lower Columbia	1476	NS	NS	NS	NS						0	2
2B06P	Barnes Creek	Lower Columbia	1595	2017-06-15		4		40%	2	0	0	272	10	24
2B07	KOCH CREEK	Lower Columbia	1813	NS	NS	NS	NS				415	415	0	2
2B08P	St. Leon Creek	Lower Columbia	1822	2017-06-15		540		106%	65	48	0	1336	509	24
2B09	RECORD MOUNTAIN	Lower Columbia	1906	2017-06-15	32	170		134%	0	0	0	320	127	31
2C01	SINCLAIR PASS	East Kootenay	1374	NS	NS	NS	NS						0	
2C04	SULLIVAN MINE	East Kootenay	1580	NS	NS	NS	NS				114	114	0	2
2C07	FERNIE EAST	East Kootenay	1213	NS	NS	NS	NS				98	98	0	1
2C09Q	Morrissey Ridge	East Kootenay	1966	2017-06-15		1		3%	0	0	0	458	34	37
2C10P	Moyie Mountain	East Kootenay	1840	2017-06-15	1	0		0%	0	0	0	184	1	38
2C14P	Floe Lake	East Kootenay	2110	2017-06-15		365		109%	0	6	0	866	334	24
2C15	MOUNT ASSINIBOINE	East Kootenay	2230	NS	NS	NS	NS				270	270	0	1
2C16	MOUNT JOFFRE	East Kootenay	1763	NS	NS	NS	NS				206	206	0	1
2C17	THUNDER CREEK	East Kootenay	2062	NS	NS	NS	NS				190	190	0	1
2D02	FERGUSON	West Kootenay	929	NS	NS	NS	NS				320	320	30	4
2D03	SANDON	West Kootenay	1072	NS	NS	NS	NS						0	
2D04	NELSON	West Kootenay	952	NS	NS	NS	NS				121	121	0	1
2D05	GRAY CREEK (LOWER)	West Kootenay	1558	NS	NS	NS	NS						28	22
2D06	CHAR CREEK	West Kootenay	1290	NS	NS	NS	NS				221	221	32	8
2D07A	DUNCAN LAKE NO. 2	West Kootenay	662	NS	NS	NS	NS						0	1
2D08P	East Creek	West Kootenay	2004	2017-06-15		593		128%	0	42	0	1163	464	36
2D09	MOUNT TEMPLEMAN	West Kootenay	1879	NS	NS	NS	NS				520	520	0	1
2D10	GRAY CREEK (UPPER)	West Kootenay	1926	NS	NS	NS	NS						201	20
2D14P	Redfish Creek	West Kootenay	2086	2017-06-15	245	1457		175%	533	292	292	1722	831	15
2E01	MONASHEE PASS	Kettle	1387	NS	NS	NS	NS				165	165	0	3

2E02	CARMI	Kettle	1254	NS	NS	NS	NS							0	
2E03	BIG WHITE MOUNTAIN	Kettle	1672	NS	NS	NS	NS							46	22
2E07P	Grano Creek	Kettle	1874	2017-06-15		32		38%	0	5	0	509	84	19	
2F01A	TROUT CREEK (West)	Okanagan	1430	NS	NS	NS	NS				93	93	0	1	
2F02	SUMMERLAND RESERVOIR	Okanagan	1304	NS	NS	NS	NS				172	172	0	2	
2F03	MC CULLOCH	Okanagan	1266	NS	NS	NS	NS						0	1	
2F04	GRAYSTOKE LAKE	Okanagan	1818	NS	NS	NS	NS				168	168	78	4	
2F05P	Mission Creek	Okanagan	1794	2017-06-15	9	0		0%	0	0	0	424	53	47	
2F07	POSTILL LAKE	Okanagan	1358	NS	NS	NS	NS						0		
2F08P	Greyback Reservoir	Okanagan	1550	2017-06-15	8	0								0	
2F09	WHITEROCKS MOUNTAIN	Okanagan	1789	NS	NS	NS	NS						26	23	
2F10P	Silver Star Mountain	Okanagan	1839	2017-06-15	94	493			0		0	0		1	
2F11	ISINTOK LAKE	Okanagan	1651	NS	NS	NS	NS				108	108	0	3	
2F12	MOUNT KOBAN	Okanagan	1817	NS	NS	NS	NS				185	185	72	8	
2F13	ESPERON CR (UPPER)	Okanagan	1634	NS	NS	NS	NS						0	2	
2F14	ESPERON CR (MIDDLE)	Okanagan	1440	NS	NS	NS	NS						0	2	
2F18P	Brenda Mine	Okanagan	1453	2017-06-15		0		0%	0	0	0	217	3	24	
2F19	OOYAMA LAKE	Okanagan	1365	NS	NS	NS	NS						0		
2F20	VASEUX CREEK	Okanagan	1403	NS	NS	NS	NS						0		
2F21	BOULEAU LAKE	Okanagan	1405	NS	NS	NS	NS						0		
2F23	MACDONALD LAKE	Okanagan	1742	NS	NS	NS	NS						0		
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	2017-06-15	14	69		32%	3	0	0	1031	218	49	
2G04	LOST HORSE MOUNTAIN	Similkameen	1988	NS	NS	NS	NS						25	14	
2G05	MISSEZULA MOUNTAIN	Similkameen	1602	NS	NS	NS	NS						0		
2G06	HAMILTON HILL	Similkameen	1477	NS	NS	NS	NS						0		
3A01	GROUSE MOUNTAIN	South Coast	1126	NS	NS	NS	NS				596	596	0	1	
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						0		
3A10	DOG MOUNTAIN	South Coast	1007	2017-06-14	178	1032		259%	0		586	586	399	28	
3A19	ORCHID LAKE	South Coast	1178	N	N	N	N		300		832	832	1002	34	
3A20	CALLAGHAN CREEK	South Coast	1009	NS	NS	NS	NS						0	9	
3A22P	Nostetuko River	South Coast	1457	2017-06-15	0	0		0%	0	0	0	268	20	28	
3A24P	Mosley Creek Upper	South Coast	1655	2017-06-15	6	0		0%	0	0	0	159	1	28	
3A25P	Squamish River Upper	South Coast	1387	2017-06-15		936		119%	374	0	0	2505	786	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	NS	NS	NS	NS				660	660	830	11	
3B02A	MOUNT COKELY	Vancouver Island	1267	NS	NS	NS	NS						0		
3B04	ELK RIVER	Vancouver Island	270	NS	NS	NS	NS				40	40	0	1	

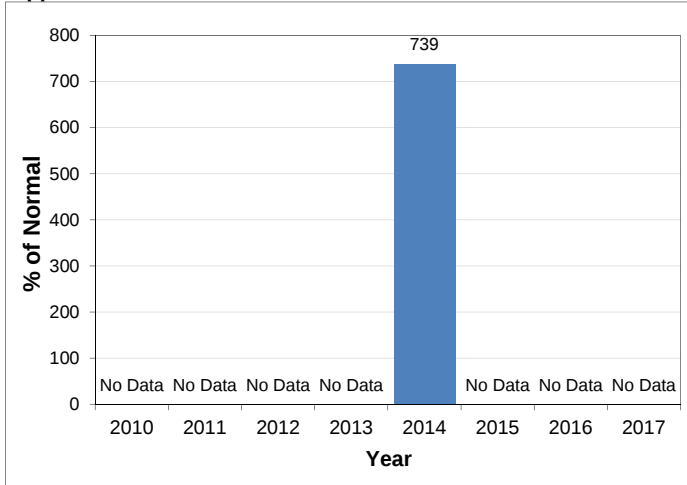
3B10	UPPER THELWOOD LAKE	Vancouver Island	1014	NS	NS	NS	NS						0	5
3B17P	Wolf River Upper	Vancouver Island	1422	2017-06-15		493		81%	75	0	0	2183	609	35
3B18	WOLF RIVER (MIDDLE)	Vancouver Island	1050	NS	NS	NS	NS				230	230	0	1
3B19	WOLF RIVER (LOWER)	Vancouver Island	615	NS	NS	NS	NS				160	160	0	1
3B23P	Jump Creek	Vancouver Island	1134	2017-06-15	31	186		55%	0	0	0	2700	337	21
3B24P	Heather Mountain Upper	Vancouver Island	1190	2017-06-15	189	1296			0		0	0		1
3B26P	Mount Arrowsmith	Vancouver Island	1465	2017-06-15	109									0
3C07	WEDEENE RIVER SOUTH	North Coast	196	NS	NS	NS	NS						0	
3C08P	Burnt Bridge Creek	North Coast	1329	2017-06-15		0		0%	0	0	0	739	99	19
3D01C	SUMALLO RIVER WEST	Skagit	801	NS	NS	NS	NS				82	82	0	1
3D02	LIGHTNING LAKE	Skagit	1254	NS	NS	NS	NS						0	
3D03A	KLESILKWA	Skagit	1134	NS	NS	NS	NS				134	134	0	1
4A02P	Pine Pass	Peace	1386	2017-06-15	56	117		36%	45	3	0	1142	324	28
4A03	WARE (UPPER)	Peace	1563	NS	NS	NS	NS				90	90	0	1
4A03P	Ware Upper	Peace	1565	2017-06-15	0	0								0
4A04	WARE (LOWER)	Peace	969	NS	NS	NS	NS				89	89	0	1
4A04P	Ware Lower	Peace	971	2017-06-15	6	0								0
4A05	GERMANSEN (UPPER)	Peace	1489	NS	NS	NS	NS				156	156	0	1
4A06	TUTIZZI LAKE	Peace	1043	NS	NS	NS	NS				106	106	0	1
4A07	LADY LAURIER LAKE	Peace	1460	NS	NS	NS	NS				194	194	0	1
4A09	PULPIT LAKE	Peace	1331	NS	NS	NS	NS				152	152	0	1
4A09P	Pulpit Lake	Peace	1331	2017-06-15	1	3		150%	0	0	0	133	2	27
4A10	FREDRICKSON LAKE	Peace	1323	NS	NS	NS	NS				93	93	0	1
4A11	TRYGVE LAKE	Peace	1409	NS	NS	NS	NS				119	119	0	1
4A12	TSAYDAYCHI LAKE	Peace	1173	NS	NS	NS	NS				166	166	0	1
4A13	PHILIP LAKE	Peace	1013	NS	NS	NS	NS				137	137	0	1
4A16	MORFEE MOUNTAIN	Peace	1427	NS	NS	NS	NS				265	265	0	2
4A18	MOUNT SHEBA	Peace	1480	NS	NS	NS	NS				369	369	0	2
4A20	MONKMAN CREEK	Peace	1566	NS	NS	NS	NS				190	190	0	2
4A21	MOUNT STEARNS	Peace	1514	NS	NS	NS	NS				41	41	0	1
4A25	FORT ST. JOHN A	Peace	692	NS	NS	NS	NS				34	34	0	1
4A27P	Kwadacha North	Peace	1554	2017-06-15	10	0								0
4A30P	Aiken Lake	Peace	1061	2017-06-15	0	2		40%	0	2	0	90	5	32
4A31P	Crying Girl Prairie	Peace	1358	2017-06-15		0			0		0	0		1
4A33P	Muskwa-Kechika	Peace	1196	2017-06-15		0			0		0	0		1
4A34P	Dowling Creek	Peace	1456	2017-06-15		0								0
4B01	KIDPRICE LAKE	Skeena-Nass	1415	NS	NS	NS	NS						0	2
4B02	JOHANSON LAKE	Skeena-Nass	1480	NS	NS	NS	NS				108	108	0	1
4B03A	HUDSON BAY MTN.	Skeena-Nass	1452	N	N	N	N			0	0	168	96	36
4B04	CHAPMAN LAKE	Skeena-Nass	1485	NS	NS	NS	NS						0	3
4B06	TACHEK CREEK	Skeena-Nass	1133	NS	NS	NS	NS						0	
4B07	MCKENDRICK CREEK	Skeena-Nass	1048	NS	NS	NS	NS						0	2

4B08	MOUNT CRONIN	Skeena-Nass	1491	NS	NS	NS	NS							0	6
4B10	NINGUNSAW PASS	Nass	647	NS	NS	NS	NS							0	
4B11A	BEAR PASS	Nass	437	NS	NS	NS	NS							0	
4B12P	Granduc Mine	Skeena-Nass	790	2017-06-15	12	0									0
4B13A	TERRACE A	Skeena-Nass	219	NS	NS	NS	NS				68	68		0	1
4B14	EQUITY MINE	Skeena-Nass	1434	NS	NS	NS	NS							0	
4B15	LU LAKE	Skeena-Nass	1296	NS	NS	NS	NS							0	
4B15P	Lu Lake	Skeena-Nass	1308	2017-06-15	0	0			0	5		0	119	0	19
4B16P	Shedin Creek	Skeena-Nass	1320	2017-06-15	0	4		1%	4	4		0	916	340	21
4B17P	Tsai Creek	Skeena-Nass	1360	2017-06-15		386		63%	0	384		0	1772	612	19
4B18P	Cedar-Kiteen	Skeena-Nass	912	2017-06-15	2	0		0%	0	11		0	178	7	16
4C01	SIKANNI LAKE	Liard	1390	NS	NS	NS	NS					78	78	0	1
4C01P	Sikanni Lake	Liard	1400	2017-06-15	0	3									0
4C02	SUMMIT LAKE	Liard	1291	NS	NS	NS	NS							0	
4C03	DEASE LAKE	Liard	805	NS	NS	NS	NS							0	
4C05	FORT NELSON AIRPORT	Liard	368	NS	NS	NS	NS					38	38	0	1
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							0	
4D11P	Kinaskan Lake	Stikine	1020	2017-06-15	8	0			0	0		0	94	0	21
4E02B	ATLIN LAKE	Yukon	730	NS	NS	NS	NS								

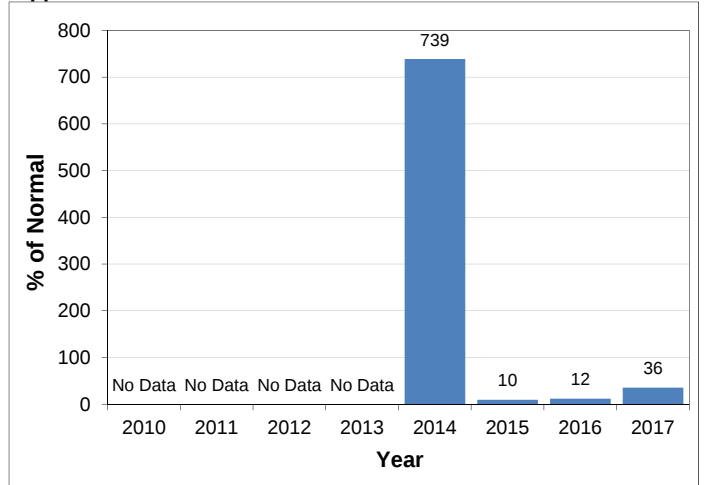
Code	Description
A	Sampling problems were encountered
B	Early or late sampling
C	Early or late sampling w/problems encountered
E	Estimate
N	Scheduled, but not sampled
NA	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount

Snow Basin Index Graphs - June 15, 2017

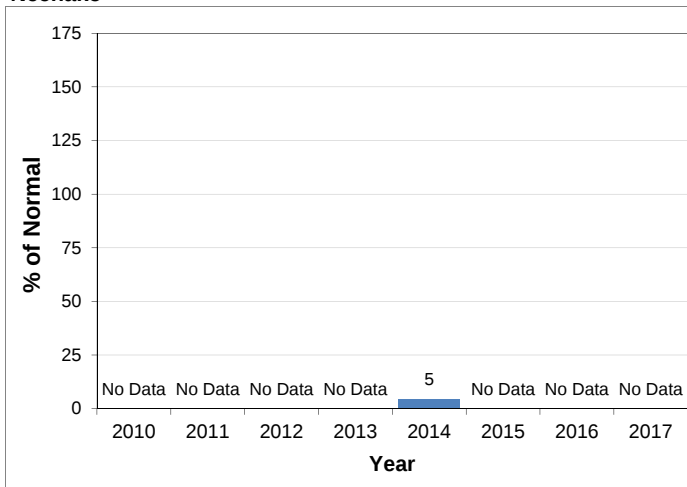
Upper Fraser West



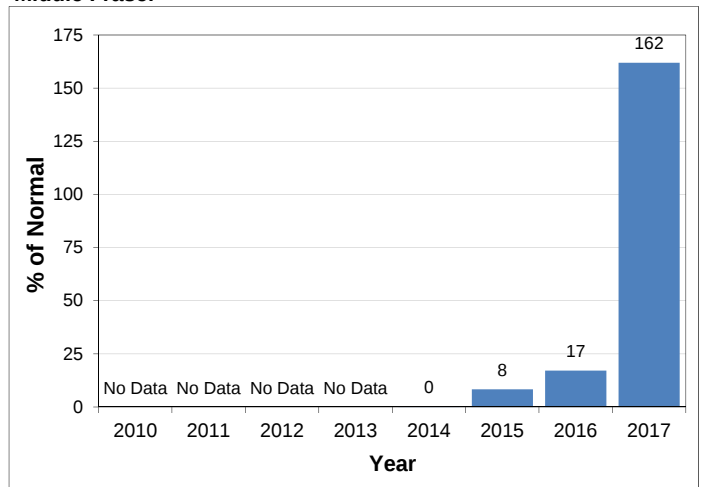
Upper Fraser East



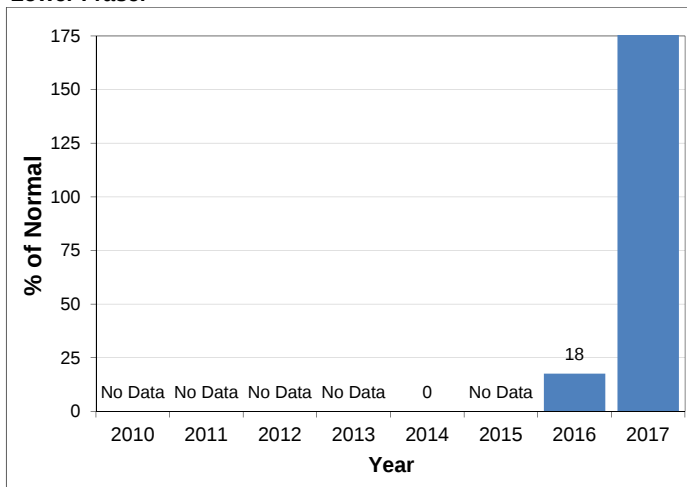
Nechako



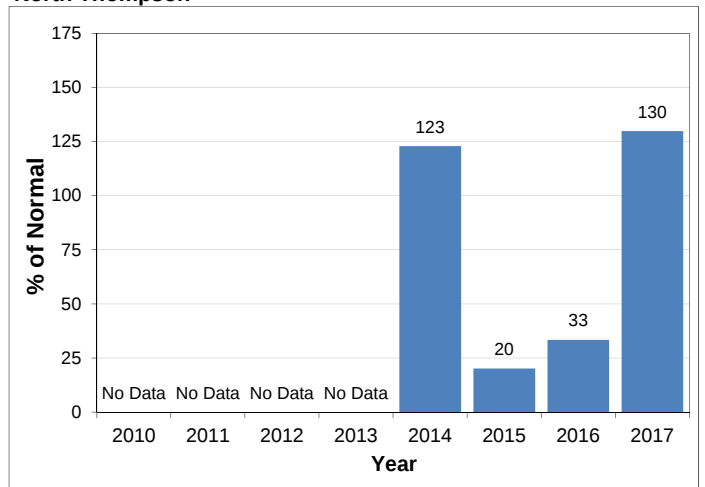
Middle Fraser



Lower Fraser

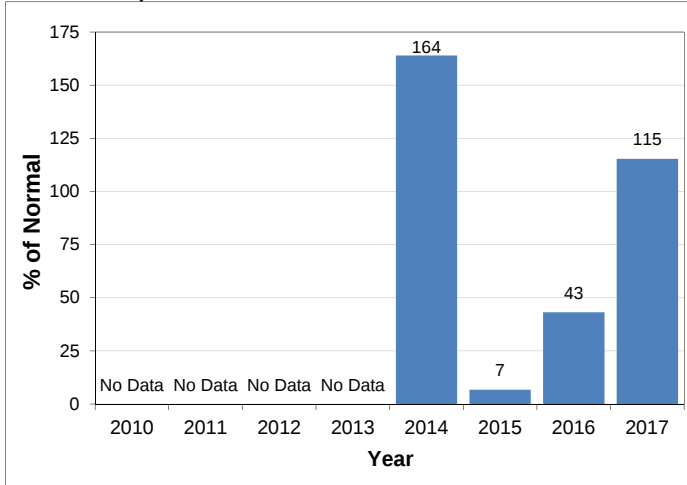


North Thompson

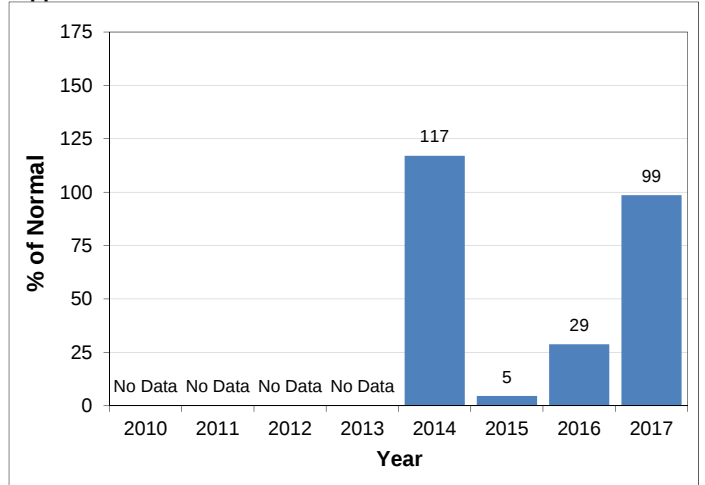


Snow Basin Index Graphs - June 15, 2017

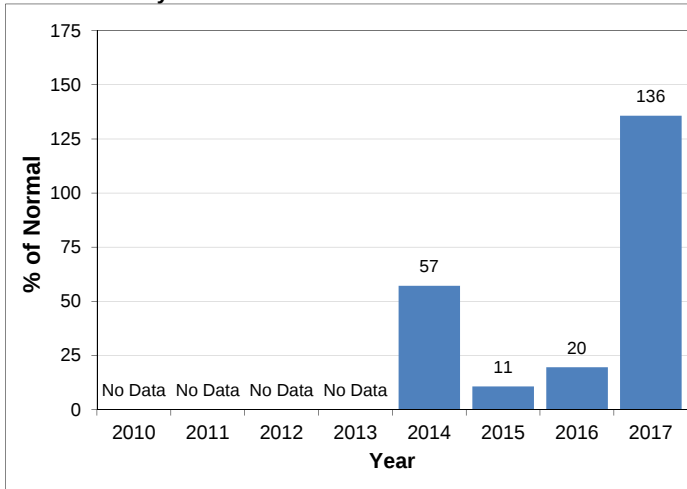
South Thompson



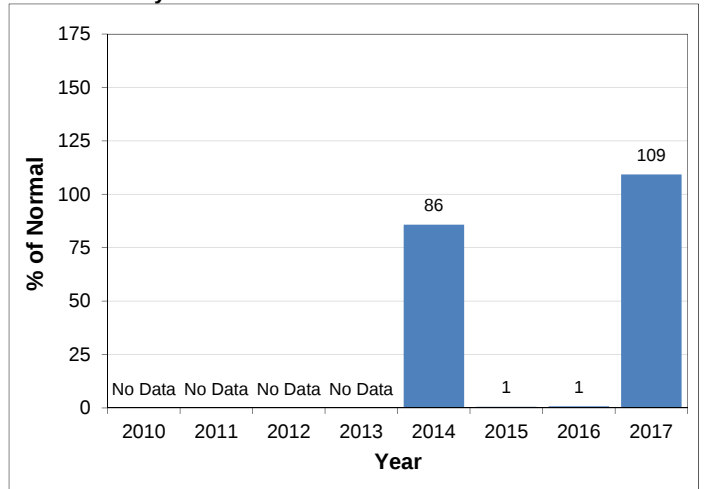
Upper Columbia



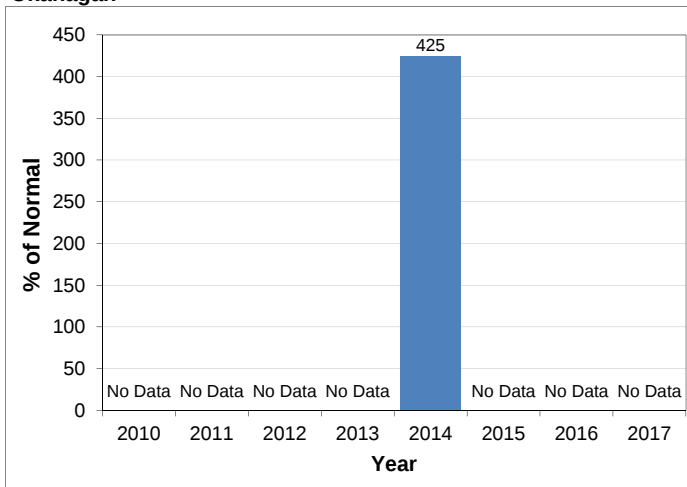
West Kootenay



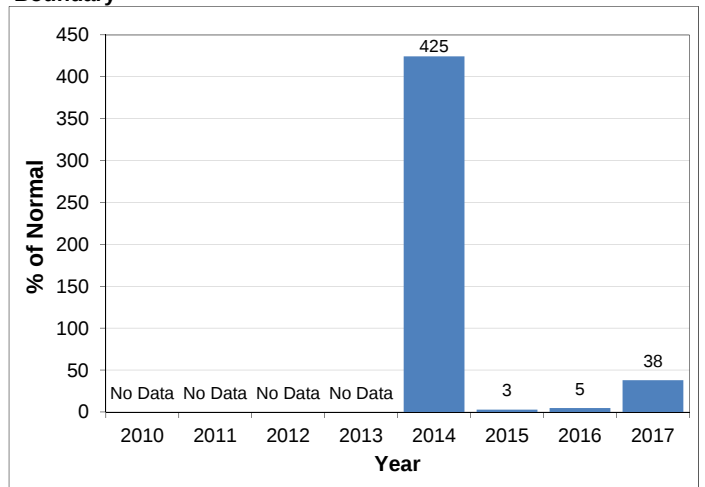
East Kootenay



Okanagan

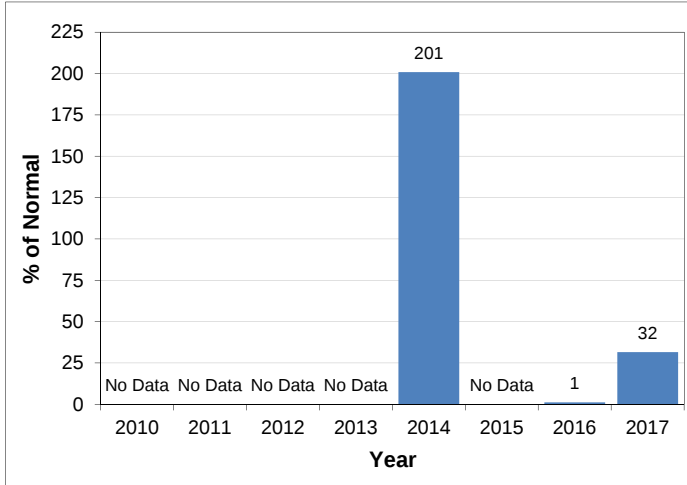


Boundary

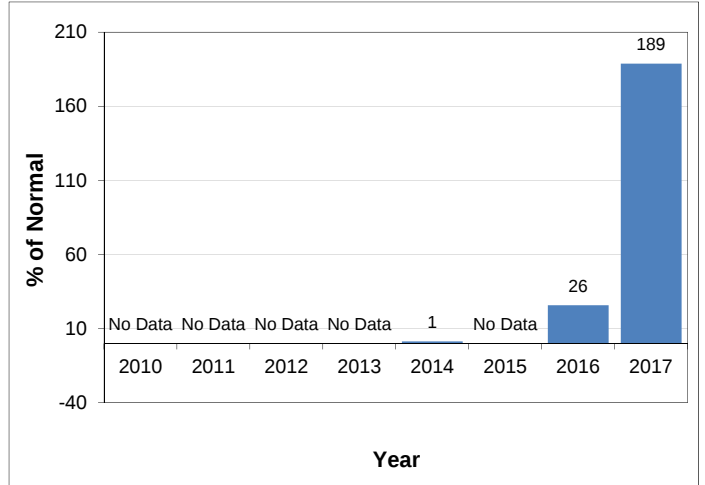


Snow Basin Index Graphs - June 15, 2017

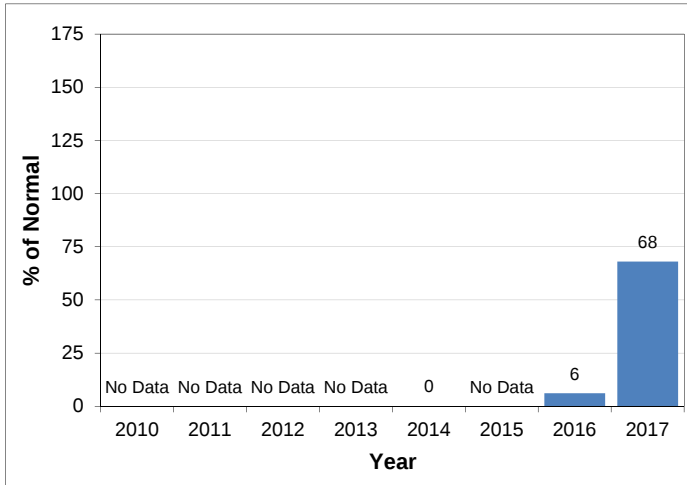
Similkameen



South Coast



Vancouver Island



Peace

