

## Snow Survey and Water Supply Bulletin – February 1<sup>st</sup>, 2020

### Executive Summary

Persistent wet weather through January has led to rapid growth of the province's snowpack. The provincial average of snow measurements is 110% of normal, up from 84% of normal on January 1<sup>st</sup>, 2020. The snow basin index for the Fraser River is 113%. Increased seasonal flood risk conditions are developing in many regions, including the Upper Fraser – West, South Thompson, West Kootenay, Okanagan and Boundary. Typically, two-thirds of the annual snow accumulation has occurred by February 1<sup>st</sup>, with the final third accumulating from February to April. While changes to the overall provincial seasonal flood risk are possible over the next few months (either increases or decreases), current trends in snowpack are likely to persist.

### Overview

The February 1<sup>st</sup> snow survey is now complete. Data from 101 manual snow courses and 81 automated snow weather stations around the province (collected by the Ministry of Environment Snow Survey Program, BC Hydro and partners), and climate data from Environment and Climate Change Canada and the provincial Climate Related Monitoring Program have been used to form the basis of the following report<sup>1</sup>.

### Weather

January has been a very active weather month, with persistent storm cycles and sub-tropical atmospheric rivers, an extremely cold Arctic air episode, and snowfall events at lower elevations.

Monthly temperatures across BC were mixed, with many areas being near normal (monthly temperature anomalies of -1 °C to +1 °C). Warmer than normal temperatures tended to occur in the southern parts of the province, and cooler than normal in the north. Areas of the Central and North Coast experienced monthly temperature anomalies in the -1 °C to -3 °C range, while areas of the Okanagan and Kootenay were in the +1 °C to +2 °C range.

While the monthly temperature anomalies were generally modest, day-to-day temperature swings were extreme in many areas. An extreme arctic air mass dominated the second week of January, with temperatures in the BC Interior plunging to -20 °C to -40 °C (-10 °C to -25 °C below normal) for several days. Over the last two weeks of January, temperatures soared in most areas as sub-tropical air was delivered to the province, bringing daily temperatures that were 5-10 °C above normal.

Precipitation was persistent throughout most of January for most areas of the province, in particular within the South Coast, Vancouver Island and South Interior. Most Environment and Climate Change Canada weather stations reported wet conditions, with precipitation in the 120-200% of normal range.

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### Snowpack

Snow basin indices for February 1<sup>st</sup>, 2020 range from a low of 87% of normal in the Skeena-Nass to a high of 134% in the Skagit (Table 1 and Figure 1). Most regions experienced significant growth in snowpack since January 1<sup>st</sup>, with the overall average of province-wide measurements rising from 84% of normal last month to 110% of normal for February 1<sup>st</sup>. Strong variability in snowpacks across regions has levelled out to some degree, with areas at lower than normal snowpack in January experiencing the greatest increase in snowpack over the past month (e.g. the Lower Fraser, Vancouver Island, Upper Fraser – West, Nechako, Central Coast, South Coast).

High snowpack levels have emerged in many regions. The south Interior, including the South Thompson, West Kootenay, Boundary, Okanagan and Skagit is above 120% of normal for February 1<sup>st</sup>. Moderately high snowpack (110-120%) is also present in the Upper Fraser – East, Upper Fraser-West, North Thompson, Quesnel River (e.g. western draining areas of Cariboo Mountains), Upper Columbia, East Kootenay, Central Coast and Peace.

The overall snow basin index for the entire Fraser River basin (e.g. upstream of the Lower Mainland) is 113%.

**Table 1 - BC Snow Basin Indices – February 1, 2020**

Basin	% of Normal	Basin	% of Normal
Upper Fraser West	121	Boundary	128
Upper Fraser East	113	Similkameen	97
Nechako	100	South Coast	102
Middle Fraser	95	Vancouver Island	97
Lower Fraser	89	Central Coast	119
North Thompson	119	Skagit	134
South Thompson	130	Peace	115
Upper Columbia	119	Skeena-Nass	87
West Kootenay	126	Stikine	102
East Kootenay	114	Liard	95

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Okanagan	129	Fraser	113
		British Columbia	110

### Outlook

Neutral El Niño Southern Oscillation (ENSO) conditions have been in place since the summer of 2019, with near-normal or slightly-above normal (<0.5 °C) temperature anomalies along the equatorial Pacific Ocean region. Warm temperature anomalies that were present in the North Pacific and Gulf of Alaska earlier in the fall/winter have been dissipating with a more active storm period over the past month.

Forecasts from the CPC are indicating a high likelihood (approximately 60% chance) of continued neutral ENSO conditions into the spring and continuing through the summer (approximately 50% chance). Neutral ENSO conditions generally have a less predictable association with snow pack conditions in BC, in comparison to El Niño and La Niña conditions.

Seasonal weather forecasts produced by Environment and Climate Change Canada in late January are indicating an increased likelihood of cooler than normal temperatures for February through April for most of British Columbia.

Given the current ENSO neutral conditions, it is reasonable to expect increased uncertainty over seasonal weather for the remainder of this winter and into spring. Near-term weather forecasts suggest on-going snow accumulation (at a seasonal to greater-than-seasonal rate) over the next 7-10 days. Long-range forecasts for an increased likelihood of cooler seasonal weather over the next 1-3 months also favor normal to above-normal snow accumulation over the remainder of the snow accumulation season.

For snow-melt dominated rivers in the interior of the province, the likelihood of spring flooding increases with high snowpacks; this is most pronounced when snow basin index values approach or exceed 120%. This does not mean that spring flooding will occur, rather the chances of flooding are increased. Seasonal flood risk is thus emerging in the Upper Fraser – West, North Thompson, South Thompson, West Kootenay, Okanagan and Boundary with increased snowpack levels.

By early February, nearly two-thirds of the annual BC snowpack has typically accumulated; high snowpack levels in some regions are already approaching or surpassing normal annual maximum accumulation. With two or more months left for snow accumulation, seasonal snowpacks and seasonal flood risk can still shift. However, trends that are currently present are expected to persist if weather patterns are seasonal over the remainder of the winter and early spring.



## **Snow Survey and Water Supply Bulletin – February 1<sup>st</sup>, 2020**

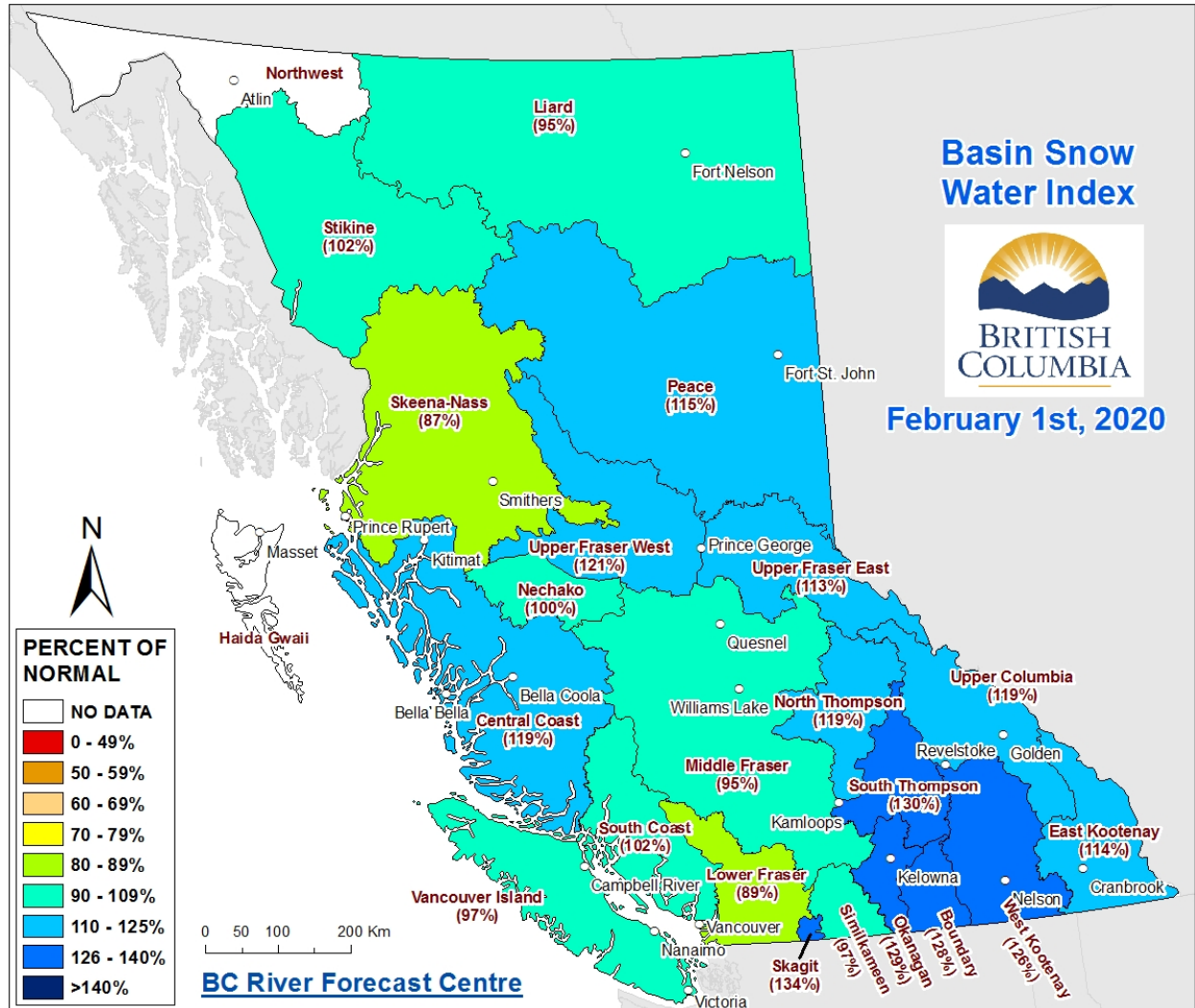
While snowpack is one risk factor for freshet flooding, spring weather is also a critical factor in whether flooding occurs or not. Heavy rainfall during the snowmelt period has been a key driver in spring flooding in BC, and can cause flooding irrespective of snowpack levels.

The River Forecast Centre will continue to monitor snowpack conditions and will provide an updated seasonal flood risk forecast in the March 1<sup>st</sup>, 2020 bulletin, which is scheduled for release on March 9<sup>th</sup>.

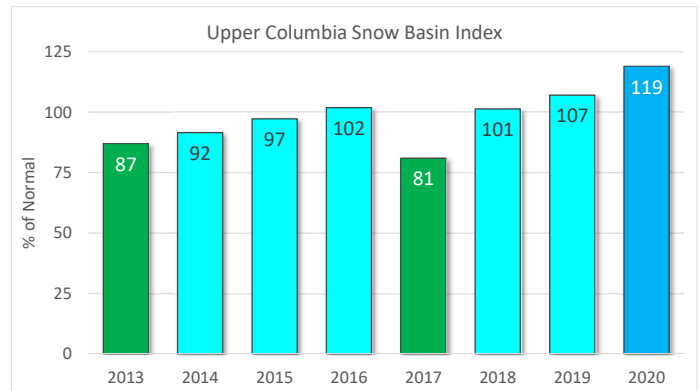
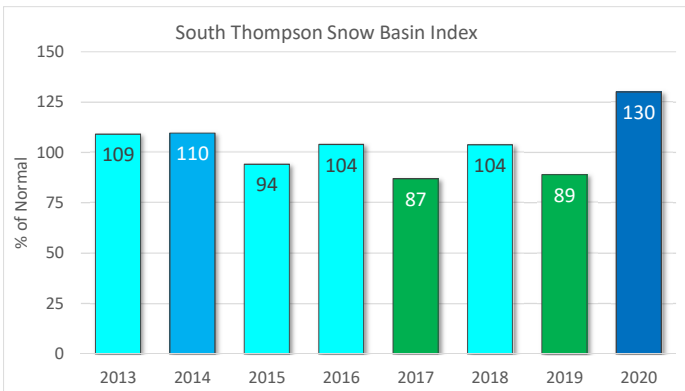
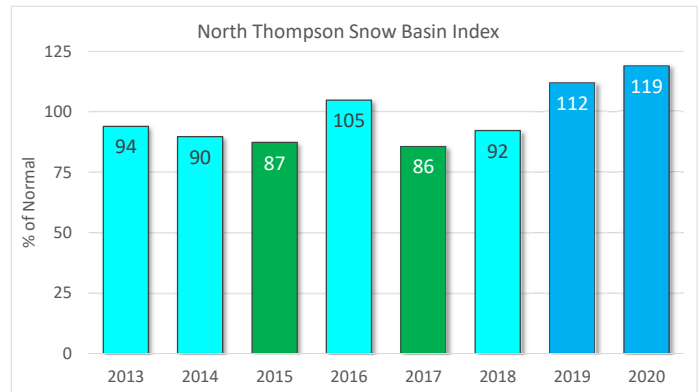
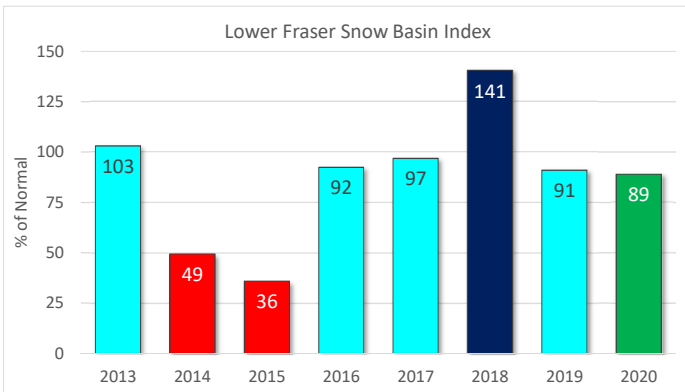
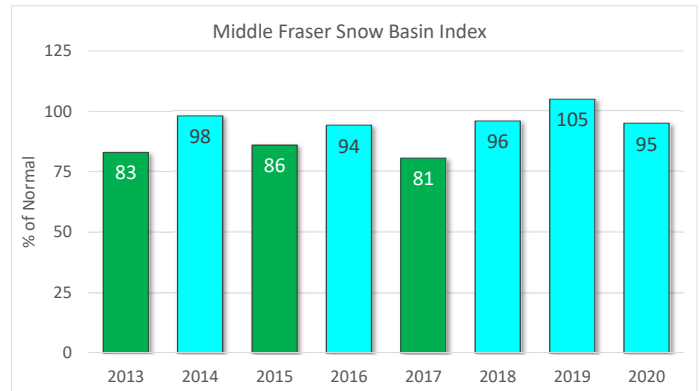
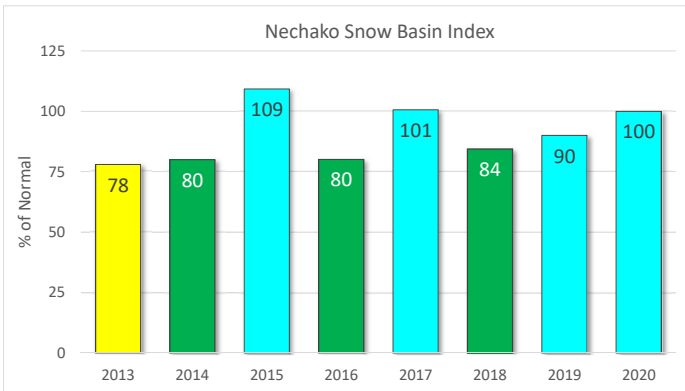
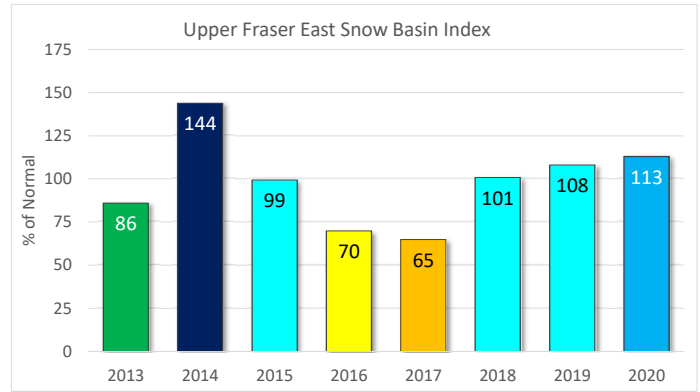
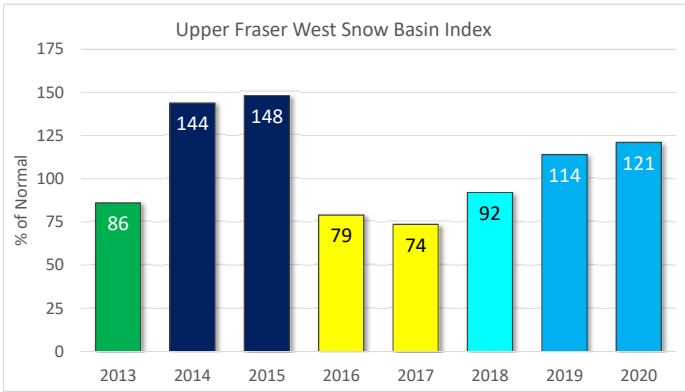
BC River Forecast Centre  
February 7, 2020

## Snow Survey and Water Supply Bulletin – February 1<sup>st</sup>, 2020

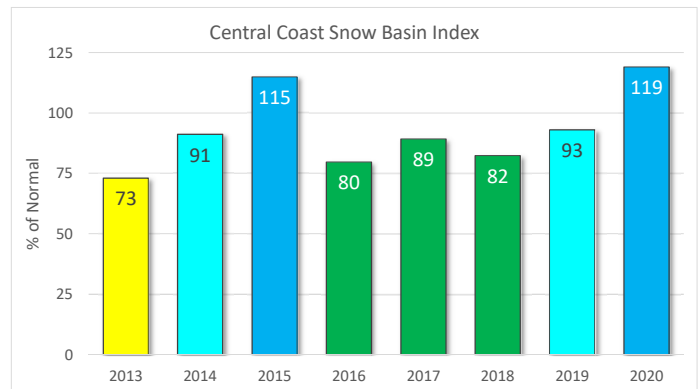
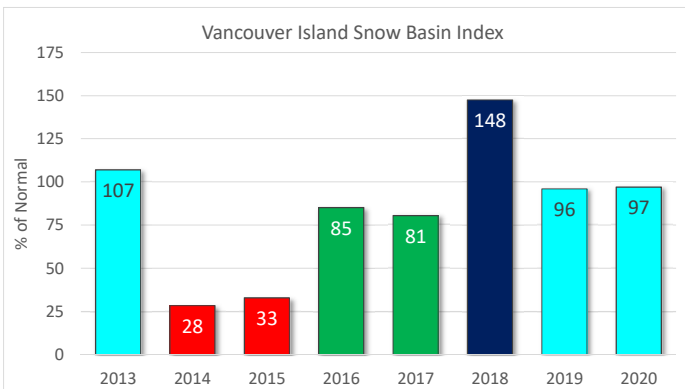
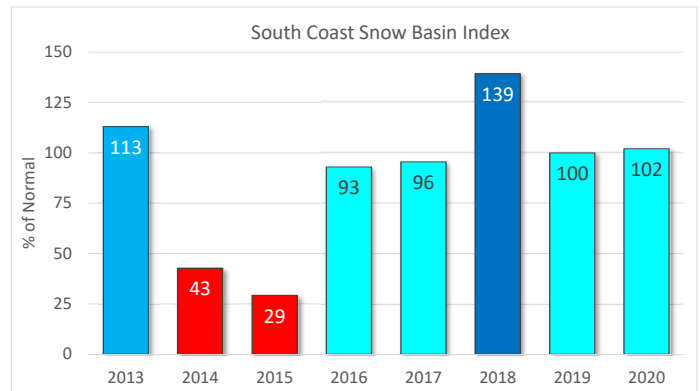
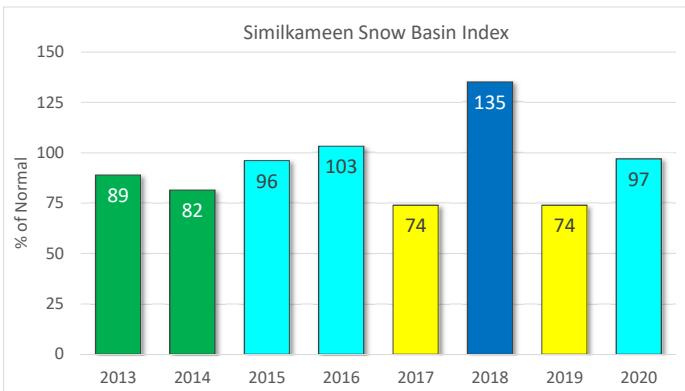
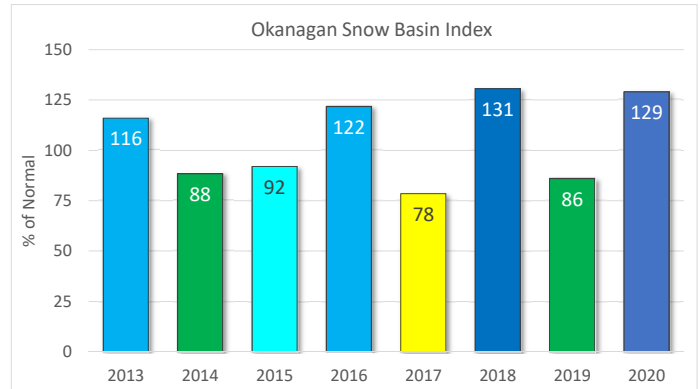
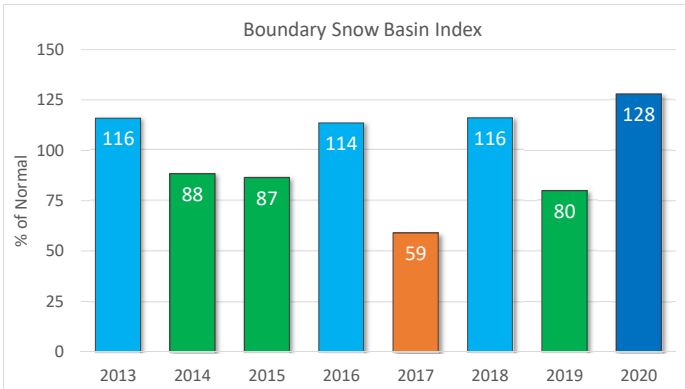
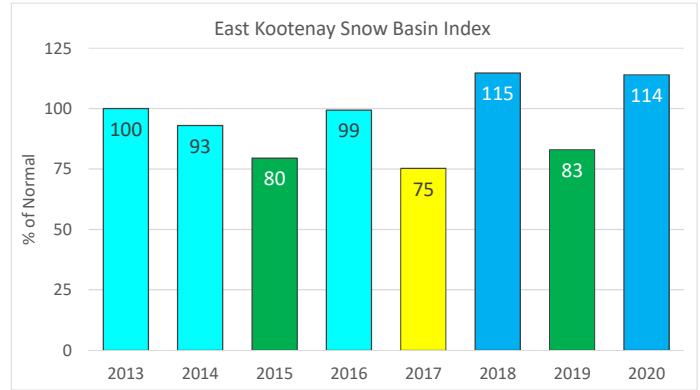
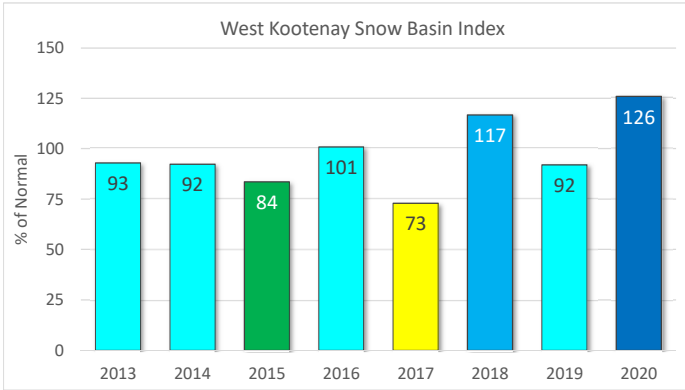
Figure 1: Basin Snow Water Index – February 1<sup>st</sup>, 2020



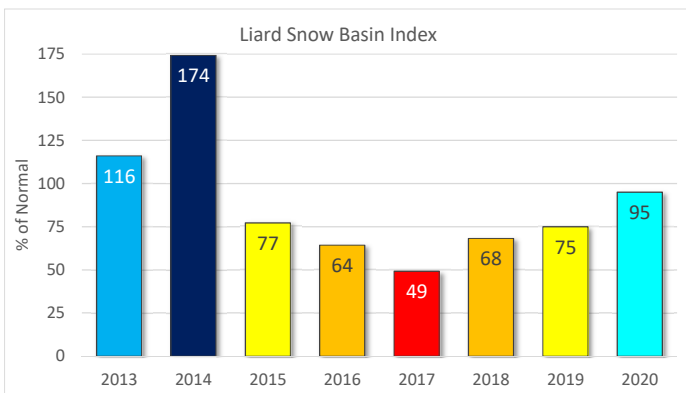
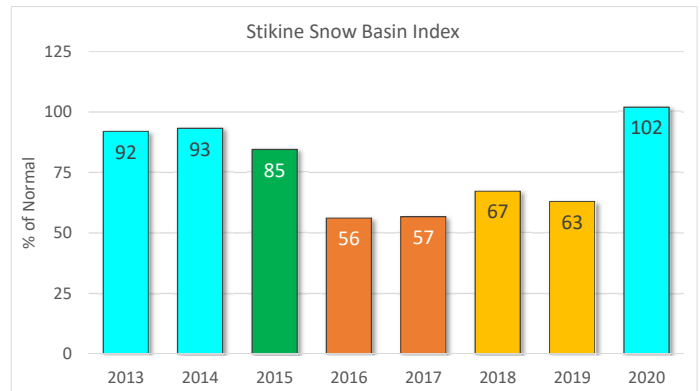
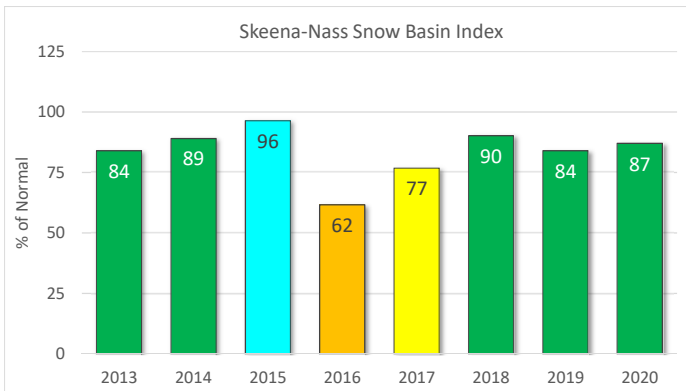
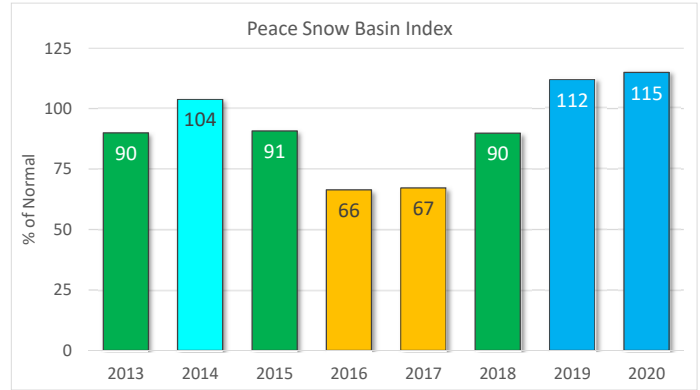
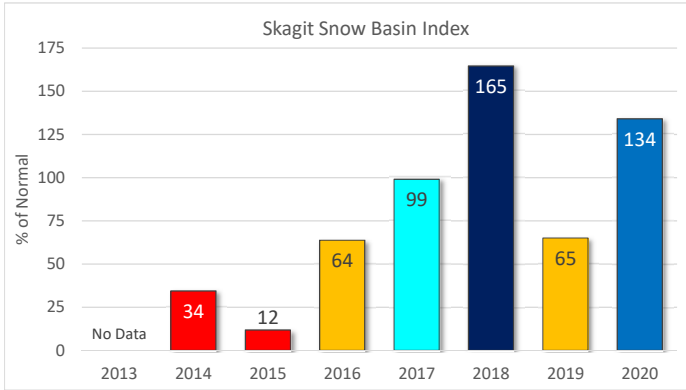
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Snow Basin Index Graphs - February 1, 2020



Snow Basin Index Graphs - February 1, 2020





**Ministry of Forests, Lands and Natural Resource Operations**  
**River Forecast Centre**  
**Volume Runoff Forecast February 2020**

Location		Feb - Jun Runoff				Feb - Jul Runoff				Feb - Sep Runoff			
		Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )
Upper Fraser Basin	Fraser at McBride					4105	3858	106	333	5754	5325	108	396
	McGregor at Lower Canyon					4047	4185	97	553	5121	5231	98	672
	Fraser at Shelley					17525	16786	104	1716	21729	20845	104	2033
Middle Fraser Basin	Quesnel River at Quesnel					5894	4930	120	551	7589	6261	121	661
Thompson Basin	N. Thompson at McLure					10084	9411	107	710	11843	11580	102	925
	S. Thompson at Chase					7326	6389	115	650	9226	7956	116	940
	Thompson at Spences Bridge					17363	16353	106	1381	21391	20333	105	1775
Bulkley and Skeena	Bulkley at Quick					2687	2784	97	1655	3296	3381	97	2173
	Skeena at Usk					19182	19604	98	1553	22700	23948	95	2123
Nicola Lake	Inflows	94	131	72	33	146	148	99	38				
Nicola River	at Spences Bridge	514	549	94	100	577	616	94	123				
Okanagan and Kalamalka-Wood Lake	Okanagan Lake with Greyback (2F08)	703	488	144	99	760	515	148	120				
	Kalamalka-Wood Lake	44.4	33.1	134	12.8	47.6	34.5	138	15.1				
Similkameen River	at Nighthawk	1467	1391	105	166					1789	1701	105	196
	at Hedley	1131	1080	105	139					1326	1268	105	148

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

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

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

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

Use at your own risk

February 2020 Automated Snow Weather Station / Manual Snow Survey Data

UPPER FRASER EAST			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1A01P	Yellowhead Lake	1860	2020-02-01	160	407	25		103%	70	N/A	397	207	369	619	396	20
1A02P	McBride Upper	1611	2020-02-01	152	400	26		131%	90	337	275	203	307	522	306	28
1A03P	Barkerville	1520	2020-02-01	107	287	27		134%	80	287	173	116	220	368	214	42
1A05	LONGWORTH (UPPER)	1693	N	N	N	N	N	N/A	N/A	302	N	218	365	729	559	44
1A05P	Longworth Upper	1740	2020-02-01	209	573	27		N/A	N/A	657	444	296	444	657	N/A	3
1A06A	HANSARD	608	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	112	148	326	180	19
1A10	PRINCE GEORGE A	689	2020-02-03	50	124	25		129%	68	106	61	0	105	224	96	58
1A11	PACIFIC LAKE	755	2020-02-03	156	420	27		98%	48	446	521	179	425	679	430	52
1A14P	Hedrick Lake	1100	2020-02-01	171	444	26		85%	37	538	435	282	550	934	524	20
1A15	KNUDSEN LAKE	1602	N	N	N	N	N	N/A	N/A	N	687	284	558	899	554	48
1A15P	Knudsen Lake	1601	2020-02-01	204	432	21		N/A	N/A	394	415	298	394	415	N/A	3
1A17P	Revolution Creek	1690	2020-02-01	242	760	31		132%	87	594	498	296	558	1043	574	31
1A19P	Dome Mountain	1774	2020-02-01	183	584	32		117%	77	487	328	307	458	853	501	13
			<b>Average</b>	<b>163</b>	<b>443</b>	<b>27</b>		<b>116%</b>	<b>70</b>							

Basin Index Calculation	Average SWE	428
	Average Normal	380
<b>Upper Fraser East Basin Index - February 2020</b>		<b>113%</b>

Stations used in Basin Index:  
1A01P, 1A02P, 1A03P, 1A10, 1A11, 1A14P, 1A17P, 1A19P

UPPER FRASER WEST			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1A12	KAZA LAKE	1250	2020-01-28	114	279	24		116%	74	264	N	125	225	440	240	48
1A12P	Kaza Lake	1257	2020-02-01	128	303	24		N/A	N/A	334	228	164	198	334	N/A	4
1A16	BURNS LAKE	800	2020-02-04	74	144	19		130%	83	92	104	44	102	232	111	49
1A23	BIRD CREEK	1180	N	N	N	N	N	N/A	N/A	160	N	56	110	220	103	28
			<b>Average</b>	<b>105</b>	<b>242</b>	<b>23</b>		<b>123%</b>	<b>79</b>							

Basin Index Calculation	Average SWE	212
	Average Normal	176
<b>Upper Fraser West Basin Index - February 2020</b>		<b>121%</b>

Stations used in Basin Index:  
1A12, 1A16

NECHAKO			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1B01	MOUNT WELLS	1490	N	N	N	N	N	N/A	N/A	312	N	188	355	606	365	35
1B01P	Mount Wells	1490	2020-02-01		440			107%	70	351	363	216	392	658	411	26
1B02	TAHTSA LAKE	1300	N	N	N	N	N	N/A	N/A	796	530	508	800	1442	853	65
1B02P	Tahtsa Lake	1300	2020-02-01		885			95%	56	855	894	621	874	1533	929	23
1B05	SKINS LAKE	890	N	N	N	N	N	N/A	N/A	78	N	35	53	224	83	51
1B06	MOUNT SWANNELL	1620	N	N	N	N	N	N/A	N/A	205	N	88	144	247	211	30
1B07	NUTLI LAKE	1490	N	N	N	N	N	N/A	N/A	302	N	218	365	729	378	27
1B08P	Mt. Pondosy	1400	2020-02-01		594			103%	59	520	526	273	535	872	578	24
			<b>Average</b>	<b>N/A</b>	<b>640</b>	<b>N/A</b>		<b>102%</b>	<b>62</b>							

Basin Index Calculation	Average SWE	640
	Average Normal	639
<b>Nechako Basin Index - February 2020</b>		<b>100%</b>

Stations used in Basin Index:  
1B01P, 1B02P, 1B08P

LOWER THOMPSON			February 2020 Data					February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C01	BROOKMERE	980	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	41	173	297	142	45
1C06	PAVILION	1230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	53	130	49	31
1C09A	HIGHLAND VALLEY	1510	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	20	81	188	67	25
1C19	GNAWED MOUNTAIN	1580	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	18	84	198	76	23
1C25	LAC LE JEUNE (UPPER)	1509	2020-01-31	46	88	19		90%	45	66	151	13	92	177	98	47
1C29	SHOVELNOSE MOUNTAIN	1450		N	N	N	N	N/A	N/A	129	241	48	167	307	169	39
1C29P	Shovelnose Moutain	1460	2020-02-01	82	166	20		N/A	N/A	143	N/A	143	143	143	N/A	1
1C32	DEADMAN RIVER	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	50	75	130	81	7
1C42	CAVERHILL LAKE NEW	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			<b>Average</b>	<b>64</b>	<b>127</b>	<b>20</b>		<b>90%</b>	<b>45</b>							

Basin Index Calculation	Average SWE	88
	Average Normal	98
<b>Lower Thompson Basin Index - February 2020</b>		<b>90%</b>

Stations used in Basin Index:  
1C25

BRIDGE			February 2020 Data					February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C05	MCGILLIVRAY PASS	1725	2020-02-03	145	390	27		98%	49	393	453	150	392	645	397	68
1C05P	McGillivray Pass	1718	2020-02-01		334			N/A	N/A	425	484	425	455	484	N/A	2
1C12P	Green Mountain	1780	2020-02-01		412			66%	13	651	654	238	653	985	620	26
1C14	BRALORNE	1389	2020-02-03	36	80	22		64%	18	138	166	0	129	338	125	48
1C14P	Bralorne	1382	2020-02-01		133			N/A	N/A	188	222	188	205	222	N/A	2
1C18P	Mission Ridge	1850	2020-02-01		436			110%	63	334	451	185	359	794	398	43
1C28	DUFFEY LAKE	1200	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1C37	BRALORNE(UPPER)	1981	N	N	N	N	N	N/A	N/A	486	N	178	473	724	434	22
1C38	DOWNTON LAKE (UPPER)	1887	N	N	N	N	N	N/A	N/A	N	654	208	623	980	646	22
1C38P	Downton Lake Upper	1829	2020-02-01		502			N/A	N/A	622	560	537	580	622	N/A	4
1C39	BRIDGE GLACIER (LOWER)	1390	2020-02-03	148	386	26		87%	32	506	560	112	421	688	444	24
1C40	TYAUGHTON CREEK (NORTH)	1947	2020-02-03	110	260	24		79%	34	328	N	128	300	654	331	19
1C40P	North Tyaughton	1969	2020-02-01		186			N/A	N/A	275	355	211	248	355	N/A	4
			<b>Average</b>	<b>110</b>	<b>312</b>	<b>25</b>		<b>84%</b>	<b>35</b>							

Basin Index Calculation	Average SWE	327
	Average Normal	386
<b>Bridge Basin Index - February 2020</b>		<b>85%</b>

Stations used in Basin Index:  
1C05, 1C12P, 1C14, 1C18P, 1C39, 1C40

CHILCOTIN			February 2020 Data					February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C08	NAZKO	1070	2020-01-29	39	78	20		137%	73	75	52	6	44	137	57	42
1C21	BIG CREEK	1140	2020-01-25	12	19	16		39%	12	10	57	0	41	100	49	46
1C22	PUNTZI MOUNTAIN	940	2020-01-29	16	44	28		85%	35	28	64	0	52	126	52	49
			<b>Average</b>	<b>22</b>	<b>47</b>	<b>21</b>		<b>87%</b>	<b>40</b>							

Basin Index Calculation	Average SWE	47
	Average Normal	53
<b>Chilcotin Basin Index - February 2020</b>		<b>89%</b>

Stations used in Basin Index:  
1C08, 1C21, 1C22

QUESNEL			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019 SWE (mm)	2018 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1981-2010 Normal SWE (mm)	Years of Record
1C13A	HORSEFLY MOUNTAIN	1550	NS	NS	NS	NS	NS	N/A	N/A	552	N	238	420	624	310	46
1C17	MOUNT TIMOTHY	1660	2020-02-02	75	193	26		87%	31	242	186	92	223	384	221	52
1C20P	Boss Mountain Mine	1460	2020-02-01	145	385	27		94%	38	488	323	143	397	611	411	26
1C23	PENFOLD CREEK	1685	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	663	663	663	N/A	2
1C33A	GRANITE MOUNTAIN	1150	2020-01-31	58	142	24		102%	48	150	124	79	143	175	139	14
1C41P	Yanks Peak East	1670	2020-02-01	215	787	37		139%	95	782	443	304	540	803	565	23
			<b>Average</b>	<b>123</b>	<b>377</b>	<b>28</b>		<b>106%</b>	<b>53</b>							

<b>Basin Index Calculation</b>	Average SWE	377
	Average Normal	334
<b>Quesnel Basin Index - February 2020</b>		<b>113%</b>

Stations used in Basin Index:  
1C23P, 1C33A, 1C41P

### MIDDLE FRASER

<b>Basin Index Calculation</b>	Average SWE	264
	Average Normal	279
<b>Middle River Basin Index - February 2020</b>		<b>95%</b>

Stations used in Basin Index:  
1C05, 1C08, 1C12P, 1C14, 1C17, 1C18P, 1C21, 1C22, 1C25, 1C33A, 1C39, 1C40, 1C41P

LOWER FRASER			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019 SWE (mm)	2018 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1981-2010 Normal SWE (mm)	Years of Record
1D06P	Tenquille Lake	1680	2020-02-01	265	702	26		99%	46	814	871	344	724	1092	708	18
1D08	STAVE LAKE	1250	2020-01-28	236	857	36		97%	40	869	N	163	913	1448	881	46
1D09	WAHLEACH LAKE	1480	2020-02-03	106	360	34		99%	46	237	N	33	375	815	364	49
1D09P	Wahleach Lake Upper	1480	2020-02-01		575		E	89%	43	439	683	246	581	1061	644	26
1D10	NAHATLATCH RIVER	1550	N	N	N	N	N	N/A	N/A	948	N	262	903	1359	833	41
1D16	DICKSON LAKE	1160	2020-02-03	219	828	38		90%	52	568	N	122	814	1538	918	24
1D17P	Chilliwack River	1600	2020-02-01	534	1050	20		106%	59	999	1105	371	999	1586	992	27
1D18P	Disappointment Lake	1050	2020-02-01	216.4	751	35		69%	30	675	N/A	194	1048	1673	1083	11
1D19P	Spuzzum Creek	1180	2020-02-01	179	820	46	E	76%	37	972	1181	308	972	1902	1074	21
			<b>Average</b>	<b>251</b>	<b>743</b>	<b>34</b>		<b>91%</b>	<b>44</b>							

<b>Basin Index Calculation</b>	Average SWE	743
	Average Normal	833
<b>Lower Fraser Basin Index - February 2020</b>		<b>89%</b>

Stations used in Basin Index:  
1D08, 1D09, 1D09P, 1D16, 1D17P, 1D18P, 1D19P

NORTH THOMPSON			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019 SWE (mm)	2018 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1981-2010 Normal SWE (mm)	Years of Record
1E01B	BLUE RIVER	670	2020-01-31	98	318	32		130%	90	242	172	98	233	380	245	35
1E02P	Mount Cook	1550	2020-02-01	304	1026	34		115%	83	1055	800	642	862	1432	890	16
1E03A	TROPHY MOUNTAIN	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1E07	ADAMS RIVER	1720	2020-01-27	176	582	33		127%	95	524	455	285	460	654	457	38
1E08P	Azure River	1652						N/A	N/A	732	802	525	801	1043	814	23
1E10P	Kostal Lake	1770	2020-02-01	48	602	125		99%	46	672	483	417	610	790	611	33
1E14P	Cook Creek	1280	2020-02-01	159	563	35		146%	98	N/A	N/A	248	381	589	385	10
			<b>Average</b>	<b>157</b>	<b>618</b>	<b>52</b>		<b>123%</b>	<b>82</b>							

<b>Basin Index Calculation</b>	Average SWE	618
	Average Normal	518
<b>North Thompson Basin Index - February 2020</b>		<b>119%</b>

Stations used in Basin Index:  
1E01B, 1E02P, 1E03A, 1E07, 1E10P, 1E14P

SOUTH THOMPSON			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data								
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010		Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	SWE (mm)	
1F01A	ABERDEEN LAKE	1310	2020-01-30	69	180	26		168%	97	91	147	48	117	193	107	62	
1F02	ANGLEMONT	1190	2020-01-30	142	437	31		161%	99	229	332	130	263	483	272	60	
1F03P	Park Mountain	1890	2020-02-01	226	750	33		126%	92	477	623	334	581	870	593	35	
1F04P	Enderby	1950	2020-02-01	273	717	26		N/A	N/A	591	684	591	607	684	N/A	3	
1F06P	Celista Mountain	1500	2020-02-01	227	736	32		114%	100	658	638	421	627	679	643	14	*record high
			<b>Average</b>	<b>187</b>	<b>564</b>	<b>30</b>		<b>142%</b>	<b>97</b>								

Basin Index Calculation	Average SWE	526
	Average Normal	404
<b>South Thompson Basin Index - February 2020</b>		<b>130%</b>

Stations used in Basin Index:  
1F01A, 1F02, 1F03P, 1F04P, 1F06P

UPPER COLUMBIA			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data								
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010		Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	SWE (mm)	
2A02	GLACIER	1250	2020-01-28	166	606	37		129%	91	599	434	241	464	828	468	78	
2A03A	FIELD	1285	2020-01-27	64	157	25		128%	82	121	116	46	121	233	123	80	
2A06P	Mount Revelstoke	1850	2020-02-01		960			117%	86	827	822	464	807	1196	819	26	
2A07	KICKING HORSE	1650	2020-01-28	98	286	29		126%	78	232	254	102	246	384	227	73	
2A11	BEAVERFOOT	1890	2020-01-30	69	170	25		120%	75	148	N	78	142	249	142	49	
2A14	MOUNT ABBOTT	2010	2020-01-28	252	902	36		110%	70	950	840	396	820	1209	822	61	
2A16	GOLDSTREAM	1920	2020-02-03	299	963	32		118%	88	824	781	460	763	1136	816	50	
2A17	FIDELITY MOUNTAIN	1870	2020-01-28	275	1085	39		127%	87	917	750	430	838	1376	854	56	
2A18	KEYSTONE CREEK	1890	2020-02-03	222	710	32	A	130%	92	559	577	290	541	866	548	50	
2A18P	Keystone Creek	1840	2020-02-01		682			N/A	N/A	643	652	608	641	652	N/A	4	
2A19	VERMONT CREEK	1520	2020-01-30	110	318	29		111%	53	299	N	102	302	574	287	48	
2A21P	Molson Creek	1935	2020-02-01		814			107%	68	832	812	417	730	1067	759	38	
2A22	SUNBEAM LAKE	2010	2020-02-03	236	745	32		118%	74	634	716	348	620	886	629	50	
2A23	BUSH RIVER	1920	2020-02-03	229	684	30	A	119%	76	619	N	292	579	902	577	46	
2A25	KIRBYVILLE LAKE	1750	2020-02-03	288	993	34		120%	91	892	862	381	832	1160	827	43	
2A27	DOWNIE SLIDE (LOWER)	980	2020-02-03	208	692	33		138%	98	494	486	256	480	740	501	37	
2A29	DOWNIE SLIDE (UPPER)	1630	2020-02-03	312	1088	35		113%	74	1040	1022	466	902	1422	965	36	
2A30P	Colpitti Creek	2131	2020-02-01		642			119%	95	599	682	243	519	682	540	10	
2A31P	Caribou Creek Upper	2201	2020-02-01		678			N/A	N/A	634	739	570	627	739	N/A	4	
2A32P	Wildcat Creek	2122	2020-02-01		544			N/A	N/A	508	428	325	381	508	N/A	4	
			<b>Average</b>	<b>202</b>	<b>686</b>	<b>32</b>		<b>121%</b>	<b>81</b>								

Basin Index Calculation	Average SWE	695
	Average Normal	583
<b>Upper Columbia Basin Index - February 2020</b>		<b>119%</b>

Stations used in Basin Index:  
2A02, 2A03A, 2A06P, 2A07, 2A11, 2A14, 2A16, 2A17, 2A18, 2A19, 2A21P, 2A22, 2A23, 2A25, 2A27, 2A29, 2A30P

WEST KOOTENAY			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data								
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010		Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	SWE (mm)	
2B02A	FARRON	1220	2020-01-30	99	241	24		110%	72	231	318	63	213	346	219	46	
2B05	WHATSHAN (UPPER)	1525	2020-02-02	207	661	32		139%	96	365	517	242	445	759	475	41	
2B06P	Barnes Creek	1620	2020-02-01		518			140%	95	348	418	149	355	566	369	27	
2B07	KOCH CREEK	1860	2020-02-02	195	591	30		119%	82	463	550	203	493	708	497	38	
2B08P	St. Leon Creek	1800	2020-02-01		1057			138%	98	699	803	322	699	1170	767	25	
2B09	RECORD MOUNTAIN	1890	2020-02-03	189	544	29		113%	68	396	565	117	457	802	481	44	
2D02	FERGUSON	880	2020-01-28	165	501	30		123%	83	390	443	237	409	616	407	47	
2D03	SANDON	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	264		328	N/A	2	
2D04	NELSON	930	2020-01-29	80	257	32	A	97%	48	198	296	79	265	508	264	81	
2D05	GRAY CREEK (LOWER)	1550	2020-01-30	122	358	29		118%	83	265	364	127	312	511	304	67	

2D06	CHAR CREEK	1310	2020-01-31	149	402	27	108%	67	312	481	117	363	650	371	54
2D07A	DUNCAN LAKE NO. 2	630	2020-01-30	53	192	36	145%	94	70	166	60	110	283	132	29
2D07AP	Duncan Lake Dam 2	559	2020-02-01	28	161	58	N/A	N/A	N/A	N/A				N/A	0
2D08P	East Creek	2030	2020-02-01		791		128%	93	719	659	281	603	1012	616	39
2D09	MOUNT TEMPLEMAN	1860	N	N	N	N	N/A	N/A	N	N	277	520	902	701	21
2D10	GRAY CREEK (UPPER)	1940	2020-01-30	178	574	32	115%	79	382	N	268	503	792	497	44
2D14P	Redfish Creek	2104	2020-02-01	316	1154	37	141%	100	835	939	529	850	1068	821	18
			<b>Average</b>	<b>148</b>	<b>533</b>	<b>33</b>	<b>124%</b>	<b>83</b>							

\*record high

<b>Basin Index Calculation</b>	Average SWE	560
	Average Normal	444
<b>West Kootenay Basin Index - February 2020</b>		<b>126%</b>

Stations used in Basin Index:  
2B02A, 2B05, 2B06P, 2B07, 2B08P, 2B09, 2D02, 2D04, 2D05, 2D06, 2D07A, 2D08P, 2D10, 2D14P

EAST KOOTENAY			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019 SWE (mm)	2018 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1981-2010 Normal SWE (mm)	Years of Record
2C01	SINCLAIR PASS	1370	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	33	102	208	77	44
2C04	SULLIVAN MINE	1550	2020-01-27	69	249	36		133%	74	124	237	46	212	397	187	74
2C09Q	Morrissey Ridge	1860	2020-02-01		473			102%	63	319	411	180	448	886	463	36
2C10P	Moyie Mountain	1930	2020-02-01	93	324	35		113%	75	223	319	104	271	521	286	40
2C14P	Floe Lake	2090	2020-02-01		536			114%	67	435	563	225	457	750	471	25
2C15	MOUNT ASSINIBOINE	2230	2020-01-30	133	409	31		117%	81	353	N	140	345	592	351	43
2C16	MOUNT JOFFRE	1750	2020-01-30	100	302	30		126%	84	194	N	96	234	439	240	45
2C17	THUNDER CREEK	2010	2020-01-30	73	187	26		107%	58	135	N	69	173	335	175	43
			<b>Average</b>	<b>94</b>	<b>354</b>	<b>31</b>		<b>116%</b>	<b>72</b>							

<b>Basin Index Calculation</b>	Average SWE	354
	Average Normal	310
<b>East Kootenay Basin Index - February 2020</b>		<b>114%</b>

Stations used in Basin Index:  
2C04, 2C09Q, 2C10P, 2C14P, 2C15, 2C16, 2C17

BOUNDARY			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019 SWE (mm)	2018 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1981-2010 Normal SWE (mm)	Years of Record
2E01	MONASHEE PASS	1370	2020-02-02	116	360	31		153%	99	184	244	103	235	364	236	58
2E02	CARMI	1250	NS	NS	NS	NS	NS	N/A	N/A	86	NS	51	112	196	97	28
2E03	BIG WHITE MOUNTAIN	1680	2020-01-29	151	394	26		122%	76	284	411	178	322	483	322	52
2E07P	Grano Creek	1860	2020-02-01	122	381	31		115%	75	234	382	157	304	476	330	21
			<b>Average</b>	<b>130</b>	<b>378</b>	<b>29</b>		<b>130%</b>	<b>83</b>							

<b>Basin Index Calculation</b>	Average SWE	378
	Average Normal	296
<b>Boundary Basin Index - February 2020</b>		<b>128%</b>

Stations used in Basin Index:  
2E01, 2E03, 2E07P

OKANAGAN			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019 SWE (mm)	2018 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1981-2010 Normal SWE (mm)	Years of Record
2F01A	TROUT CREEK (West)	1430	2020-01-27	59	174	29		118%	74	90	181	84	150	212	147	10
2F01AP	Trout Creek West	1420	2020-02-01	58	181	31		N/A	N/A	114	189	114		189	N/A	2
2F02	SUMMERLAND RESERVOIR	1280	2020-01-29	79	199	25		128%	75	137	219	65	169	307	156	55
2F03	MCCULLOCH	1280	2020-01-30	70	175	25		150%	89	96	167	57	122	196	117	83
2F04	GRAYSTOKE LAKE	1840	2020-01-20	110	316	29	B	144%	94	200	248	128	216	324	219	20
2F05P	Mission Creek	1780	2020-02-01	131	427	33		133%	92	264	378	167	310	525	320	49
2F07	POSTILL LAKE	1370	2020-01-30	70	200	29		145%	93	96	N	73	143	243	138	68
2F08	GREYBACK RESERVOIR	1550	2020-02-03	61	202	33		129%	84	92		60	161	269	157	46
2F08P	Greyback Reservoir	1550	2020-02-01	70	191	27		N/A	N/A	111	222	111	120	222	N/A	3
2F09	WHITEROCKS MOUNTAIN	1830	N	N	N	N	N	N/A	N/A	392	435	135	364	693	366	47

2F10	Silver Star Mountain	1840	2020-01-31	211	738	35	E	148%	N/A	NS	NS	229	483	721	498	57
2F10P	Silver Star Mountain	1839	2020-02-01	195	692	35		N/A	N/A	508	530	359	496	530	N/A	4
2F11	ISINTOK LAKE	1680	2020-01-28	52	126	24		116%	64	66	172	26	109	307	109	54
2F12	MOUNT KOBAU	1810	2020-01-28	71	181	25		92%	44	135	269	43	204	400	196	53
2F13	ESPERON CR (UPPER)	1650	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	156	229	457	N/A	4
2F14	ESPERON CR (MIDDLE)	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	146	218	399	208	11
2F18P	Brenda Mine	1460	2020-02-01		233			94%	55	184	252	152	218	368	249	23
2F19	OYAMA LAKE	1340	2020-01-31	76	190	25		160%	96	78	157	31	114	193	119	51
2F20	VASEUX CREEK	1400	2020-01-27	37	84	23		97%	40	70	122	44	93	208	87	32
2F21	BOULEAU LAKE	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	168	224	396	216	9
2F23	MACDONALD LAKE	1740	N	N	N	N	N	N/A	N/A	290	410	132	287	411	273	20
2F24	ISLAHT LAKE	1480	2020-01-31	106	298	28		132%	90	222	230	119	210	364	225	37
2F25	POSTILL LAKE UPPER	1540	2020-01-30	74	200	27		N/A	N/A	111	N	111	146	210	N/A	6
			<b>Average</b>	<b>90</b>	<b>267</b>	<b>28</b>		<b>128%</b>	<b>76</b>							

<b>Basin Index Calculation</b>	Average SWE	253
	Average Normal	196
<b>Okanagan Basin Index - February 2020</b>		<b>129%</b>

Stations used in Basin Index:

2F01A, 2F02, 2F03, 2F04, 2F05P, 2F07, 2F08, 2F10, 2F11, 2F12, 2F18P, 2F19, 2F20, 2F24

SIMILKAMEEN			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
2G03P	Blackwall Peak	1940	2020-02-01	214	561	26		101%	53	460	639	159	548	1076	553	52
2G04	LOST HORSE MOUNTAIN	1920	2020-01-29	62	154	25		111%	55	114	225	70	149	335	139	57
2G05	MISSEZULA MOUNTAIN	1550	2020-01-29	55	124	23		86%	35	85	184	60	139	284	144	53
2G06	HAMILTON HILL	1490	2020-01-27	73	176	24		83%	35	119	241	91	209	411	213	56
			<b>Average</b>	<b>101</b>	<b>254</b>	<b>24</b>		<b>95%</b>	<b>45</b>							

<b>Basin Index Calculation</b>	Average SWE	254
	Average Normal	262
<b>Similkameen Basin Index - February 2020</b>		<b>97%</b>

Stations used in Basin Index:

2G03P, 2G04, 2G05, 2G06

SOUTH COAST			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
3A01	GROUSE MOUNTAIN	1100	2020-02-04	218	928	43		122%	66	668	1224	50	785	1530	761	70
3A02	POWELL RIVER (UPPER)	1040	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A05	POWELL RIVER (LOWER)	910	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	588		588	620	1
3A09	PALISADE LAKE	880	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	318	564	914	N/A	3
3A09P	Palisade Lake	900	2020-02-01	150.8	537	36		N/A	N/A	622	N/A	622	622	622	N/A	1
3A10	DOG MOUNTAIN	1080	2020-02-05	192	803	42		112%	58	578	1033	77	732	1243	715	36
3A19	ORCHID LAKE	1190	2020-02-03	272	1087	40		98%	47	1054	1495	273	1118	1855	1114	40
3A20	CALLAGHAN CREEK	1040	N	N	N	N	N	N/A	N/A	672	836	50	570	1040	542	35
3A20P	Callaghan	1017	2020-02-01		597			N/A	N/A	759	N/A	759	759	759	N/A	1
3A22P	Nostetuko River	1500	2020-02-01	130	385	30		105%	49	380	485	30	386	782	368	29
3A24P	Mosley Creek Upper	1650	2020-02-01	81	215	27		89%	48	205	308	98	219	509	242	30
3A25P	Squamish River Upper	1340	2020-02-01	341	1097	32	E	101%	51	1241	1350	503	1088	1555	1087	29
3A26	CHAPMAN CREEK	1022	2020-01-28	216	850	39		101%	51	780	1306	540	846	1306	844	10
3A27	EDWARDS LAKE	1070	2020-01-28	137	560	41		82%	35	540	860	410	634	944	682	8
3A28P	Tetrahedron	1420						N/A	N/A	857	995	857	926	995	N/A	2
			<b>Average</b>	<b>193</b>	<b>706</b>	<b>37</b>		<b>101%</b>	<b>51</b>							

<b>Basin Index Calculation</b>	Average SWE	741
	Average Normal	727
<b>South Coast Basin Index - February 2020</b>		<b>102%</b>

Stations used in Basin Index:

3A01, 3A09P, 3A10, 3A19, 3A22P, 3A24P, 3A25P, 3A26, 3A27

VANCOUVER ISLAND			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
3B01	FORBIDDEN PLATEAU	1100	2020-02-03	273	1060	39		115%	58	980	1257	42	988	1640	922	64
3B02A	MOUNT COKELY	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	234	552	1050	586	6
3B04	ELK RIVER	270	2020-02-03	26	67	26		110%	44	36	76	0	80	544	61	60
3B10	UPPER THELWOOD LAKE	990	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	28	843	1534	285	19
3B17P	Wolf River Upper	1490	2020-02-01		707			82%	30	879	1065	171	878	1383	858	32
3B18	WOLF RIVER (MIDDLE)	990	2020-02-03	115	358	31		90%	44	340	N	0	402	742	400	47
3B19	WOLF RIVER (LOWER)	640	2020-02-03	88	258	29		106%	56	228	N	0	246	572	244	46
3B23P	Jump Creek	1160	2020-02-01	190	543	29		88%	40	516	N/A	0	683	1367	616	22
3B24P	Heather Mountain Upper	1190	2020-02-01	194	789	41		N/A	N/A	593	1282	593	869	1282	N/A	4
3B26P	Mount Arrowsmith	1465	2020-02-01	161	623	39		N/A	N/A	690	886	690	788	886	N/A	2
			<b>Average</b>	<b>150</b>	<b>551</b>	<b>33</b>		<b>98%</b>	<b>45</b>							

<b>Basin Index Calculation</b>	Average SWE	499
	Average Normal	517
<b>Vancouver Island Basin Index - February 2020</b>		<b>97%</b>

Stations used in Basin Index:  
3B01, 3B04, 3B17P, 3B18, 3B19, 3B23P

CENTRAL COAST			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
3C07	WEDEENE RIVER SOUTH	220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	105	340	497	304	13
3C08P	Burnt Bridge Creek	1330	2020-02-01	245	686	28		119%	77	536	475	240	536	1119	577	21
			<b>Average</b>	<b>245</b>	<b>686</b>	<b>28</b>		<b>119%</b>	<b>77</b>							

<b>Basin Index Calculation</b>	Average SWE	686
	Average Normal	577
<b>Central Coast Basin Index - February 2020</b>		<b>119%</b>

Stations used in Basin Index:  
3C08P

SKAGIT			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
3D01C	SUMALLO RIVER WEST	790	2020-02-03	64	200	31		124%	54	84	265	0	150	368	161	25
3D02	LIGHTNING LAKE	1220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	67	189	242	154	4
3D03A	KLESILKWA	1175	2020-02-03	77	256	33		142%	73	136	N	0	193	508	180	61
			<b>Average</b>	<b>71</b>	<b>228</b>	<b>32</b>		<b>133%</b>	<b>64</b>							

<b>Basin Index Calculation</b>	Average SWE	228
	Average Normal	171
<b>Skagit Basin Index - February 2020</b>		<b>134%</b>

Stations used in Basin Index:  
3D01C, 3D03A

PEACE			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
4A02P	Pine Pass	1400	2020-02-01	299	934	31		125%	83	822	700	469	796	1257	745	27
4A03	WARE (UPPER)	1575	2020-01-27	77	187	24		102%	64	189	195	108	173	289	184	49
4A03P	Ware Upper	1565	2020-02-01	82	175	21		N/A	N/A	182	182	130	182	182	N/A	3
4A04	WARE (LOWER)	970	2020-01-27	71	163	23	A	114%	75	N	142	63	137	286	143	49
4A04P	Ware Lower	971	2020-02-01	77	165	21		N/A	N/A	163	168	89	163	168	N/A	3
4A05	GERMANSEN (UPPER)	1480	2020-01-28	119	308	26		130%	84	329	263	140	221	371	237	51
4A06	TUTIZZI LAKE	1045	2020-01-28	97	207	21		111%	74	205	206	95	175	348	186	50
4A07	LADY LAURIER LAKE	1440	2020-01-26	132	344	26		93%	56	342	314	224	325	679	369	48
4A09	PULPIT LAKE	1335	2020-01-27	126	344	27		110%	77	320	256	190	282	530	312	48



4A09P	Pulpit Lake	1311	2020-02-01	112	332	30	102%	59	281	218	182	320	463	324	29
4A10	FREDRICKSON LAKE	1325	2020-01-27	102	241	24	135%	95	187	131	105	161	309	179	51
4A11	TRYGVVE LAKE	1410	2020-01-27	120	299	25	113%	76	N	210	160	236	434	264	48
4A12	TSAYDAYCHI LAKE	1190	2020-01-28	146	335	23	121%	82	360	307	146	263	507	277	51
4A13	PHILIP LAKE	1035	2020-01-28	97	223	23	112%	70	261	180	118	187	355	199	52
4A13P	Philip Lake	1028	2020-02-01		250		N/A	N/A	N/A	N/A				N/A	0
4A16	MORFEE MOUNTAIN	1430	2020-01-29	219	710	32	119%	78	723	466	323	579	952	597	51
4A18	MOUNT SHEBA	1490	2020-02-03	243	770	32	136%	91	783	617	299	564	932	566	50
4A18P	MOUNT SHEBA	1484	2020-02-01	262	814	31	N/A	N/A	732	N/A	732		732	N/A	1
4A20	MONKMAN CREEK	1570	2020-02-03	157	391	25	104%	59	377	500	163	378	775	376	40
4A20P	Monkman Creek	1570	2020-02-01		302		N/A	N/A	339	N/A	339		339	N/A	1
4A21	MOUNT STEARNS	1505	2020-01-26	52	98	19	95%	48	103	94	40	98	196	103	45
4A25	FORT ST. JOHN A	690	2020-01-27	43	70	16	88%	45	96	70	22	71	154	80	45
4A27P	Kwadacha North	1554	2020-02-01	108	264	24	113%	84	212	221	137	221	371	234	29
4A30P	Aiken Lake	1050	2020-02-01	101	185	18	96%	53	198	124	100	182	330	193	32
4A31P	Crying Girl Prairie	1358	2020-02-01		174		N/A	N/A	182	190	100	174	190	N/A	4
4A33P	Muskwa-Kechika	1196	2020-02-01		60		N/A	N/A	93	81	23	83	93	N/A	4
4A34P	Dowling Creek	1456	2020-02-01		114		N/A	N/A						N/A	
4A36P	Parsnip Upper	790	2020-02-01	107	272	25	N/A	N/A	305		305		305	N/A	1
			<b>Average</b>	<b>128</b>	<b>312</b>	<b>25</b>	<b>112%</b>	<b>71</b>							

<b>Basin Index Calculation</b>	Average SWE	337
	Average Normal	293
<b>Peace Basin Index - February 2020</b>		<b>115%</b>

Stations used in Basin Index:

4A02P, 4A03, 4A04, 4A05, 4A06, 4A07, 4A09, 4A09P, 4A10, 4A11, 4A12, 4A13, 4A16, 4A18, 4A20, 4A21, 4A25, 4A27P, 4A30P

SKEENA-NASS			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
4B01	KIDPRICE LAKE	1370	N	N	N	N	N	N/A	N/A	595	N	403	595	1220	664	60
4B02	JOHANSON LAKE	1420	2020-01-28	105	267	25		127%	88	229	176	115	191	355	211	49
4B03A	HUDSON BAY MTN.	1480	2020-01-31	134	315	24		87%	35	363	364	210	341	665	361	48
4B04	CHAPMAN LAKE	1460	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B06	TACHEK CREEK	1140	N	N	N	N	N	N/A	N/A	163	N	99	156	298	156	20
4B07	MCKENDRICK CREEK	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	264		264	N/A	1
4B08	MOUNT CRONIN	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B10	NINGUNSAW PASS	690	NS	NS	NS	NS	NS	N/A	N/A	220	N	171	295	603	312	40
4B11A	BEAR PASS	460	N	N	N	N	N	N/A	N/A	220	340	192	412	821	455	31
4B13A	TERRACE AIRPORT	1805	2020-01-31	63	217	34		170%	89	86	146	0	121	330	128	39
4B14	EQUITY MINE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	174	246	444	265	13
4B15	LU LAKE	1300	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	134	200	352	214	12
4B15P	Lu Lake	1300	2020-02-01	97	217	22		113%	70	206	218	94	205	353	192	22
4B16P	Shedin Creek	1480	2020-02-01	200	487	24		79%	30	474	384	262	574	877	617	23
4B17P	Tsai Creek	1360	2020-02-01		635			77%	17	772	644	423	771	1482	827	22
4B18P	Cedar-Kiteen	885	2020-02-01	146	322	22		66%	35	395	N/A	233	395	847	486	17
			<b>Average</b>	<b>124</b>	<b>351</b>	<b>25</b>		<b>103%</b>	<b>52</b>							

<b>Basin Index Calculation</b>	Average SWE	351
	Average Normal	403
<b>Skeena-Nass Basin Index - February 2020</b>		<b>87%</b>

Stations used in Basin Index:

4B02, 4B03A, 4B13A, 4B15P, 4B16P, 4B17P, 4B18P

LIARD			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
4C01	SIKANNI LAKE	1385	2020-01-27	76	177	23		92%	60	160	162	81	168	325	193	50
4C01P	Sikanni Lake	1387	2020-02-01	95	202	21		N/A	N/A	182	237	94	182	237	N/A	3
4C02	SUMMIT LAKE	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	36	74	146	91	21
4C03	DEASE LAKE	820	2020-01-31	53	127	24		126%	77	68	53	36	91	218	101	51
4C05	FORT NELSON AIRPORT	380	2020-01-31	34	47	14		62%	9	51	51	35	76	128	76	52
<b>Average</b>				<b>65</b>	<b>138</b>	<b>21</b>		<b>93%</b>	<b>49</b>							

<b>Basin Index Calculation</b>	Average SWE	117
	Average Normal	123
<b>Liard Basin Index - February 2020</b>		<b>95%</b>

Stations used in Basin Index:  
4C01, 4C03, 4C05

STIKINE			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
4D02	ISKUT	1000	2020-01-31	49	94	19		115%	68	48	36	30	77	162	82	40
4D10P	Tumeka Creek	1220	2020-02-01		426			94%	59	306	225	212	400	744	452	22
4D11P	Kinaskan Lake	1020	2020-02-01	128	318	25		110%	76	182	113	113	243	516	288	22
<b>Average</b>				<b>89</b>	<b>279</b>	<b>22</b>		<b>106%</b>	<b>68</b>							

<b>Basin Index Calculation</b>	Average SWE	279
	Average Normal	274
<b>Stikine Basin Index - February 2020</b>		<b>102%</b>

Stations used in Basin Index:  
4D02, 4D10P, 4D11P

NORTHWEST			February 2020 Data				February 2020 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code	SWE % of Normal (1981-2010)	Percentile of Historic Record	2019	2018	Minimum	Median	Maximum	1981-2010	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
4E01	LOG CABIN	900	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4E02B	ATLIN LAKE	730	NS	NS	NS	NS	NS	N/A	N/A	NS	50	50		50	N/A	1
<b>Average</b>				<b>N/A</b>	<b>N/A</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	N/A
	Average Normal	N/A
<b>Northwest Basin Index - February 2020</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

### BRITISH COLUMBIA

<b>Basin Index Calculation</b>	Average SWE	451
	Average Normal	411
<b>British Columbia Basin Index - February 2020</b>		<b>110%</b>

Stations used in Basin Index:  
All stations with measurements in B.C.

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
N/A	Not available
NS	Not scheduled
SD	Snow Depth
SWE	Snow Water Equivalent
T	Trace Amount