

Snow Survey and Water Supply Bulletin – February 1st, 2025

The February 1st snow survey is now complete. Data from 81 manual snow courses and 113 automated snow weather stations around the province (collected by the Ministry of Environment and Parks' Snow Survey Program, BC Hydro and partners), and climate data from Environment and Climate Change Canada (ECCC) and the provincial Climate Related Monitoring Program have been used to form the basis of the following report.

Executive Summary

- As of February 1st, the provincial snowpack is below normal, averaging 72% of normal (28% below normal) across B.C., decreasing from 87% on January 1st.
- The snowpack is higher than Feb 1st, 2024 when the provincial average was 61%.
- Regions with near normal snowpack levels have a higher risk for spring snowmelt related flooding, especially if La Niña conditions persist through spring.
- Areas with below normal snowpack show early concerns for drought conditions amplifying in the spring and summer.
- By early February, approximately two-thirds of the annual B.C. snowpack typically accumulates.
- There are still two to three months left in the snow accumulation season and the snowpack can still change significantly based on upcoming weather patterns.

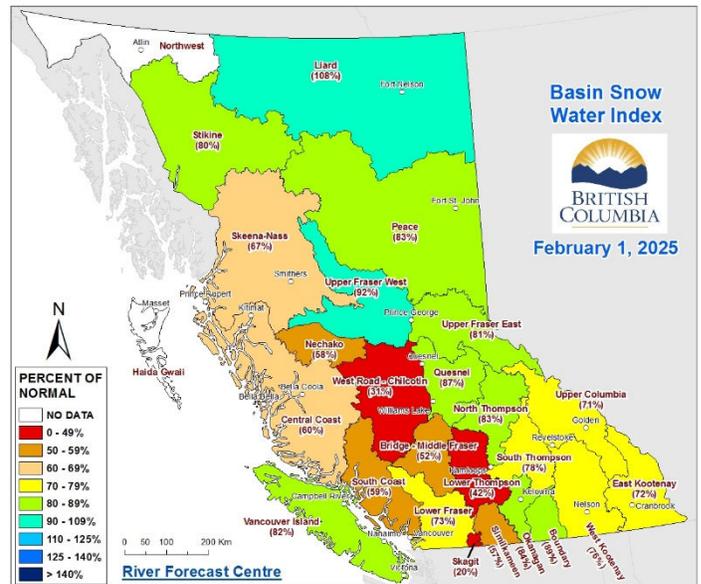


Figure 1. February 1st, 2025 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

Table 1. February 1st, 2025 Snow Basin Indices in B.C.

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	92	North Thompson	83	South Coast	59
Upper Fraser East	81	South Thompson	78	Vancouver Island	82
Nechako	58	Fraser River	72	Central Coast	60
Middle Fraser	64	Upper Columbia	71	Skagit	20
Lower Thompson*	42	West Kootenay	76	Peace	83
Bridge*	52	East Kootenay	72	Skeena-Nass	67
Chilcotin*	31	Boundary	89	Liard	108
Quesnel*	87	Okanagan	84	Stikine	80
Lower Fraser	73	Similkameen	57	Northwest	N/A#
British Columbia 72% of Normal					

* Sub-basin of Middle Fraser # Insufficient data to calculate a Snow Basin Index

Next scheduled snow bulletin release: March 10-11th, 2025



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Weather

Temperatures were near normal in January throughout most of British Columbia. Areas in the north, including Terrace, Smithers, Dease Lake, Chetwynd and Fort St. John, were warmer than normal. Fort Nelson measured the 2nd warmest January since 1938 with a monthly temperature anomaly of +8.6°C.

Precipitation was well below normal with an extended two-week period from mid-to-late January with extremely dry conditions. In general, most regions of the province were within the top 10 driest years for January over their respective period of record. Several locations measured in the top 5 driest Januarys, including Abbotsford (since data began in 1945),

Penticton (1908), Kelowna (1900), Vernon (1901), Cranbrook (1902), and Chetwynd (1972). A widespread moderate precipitation event over the southern half of the province occurred in the last couple days of the month, preventing several locations from reaching new record lows for January precipitation.

Weather during the first week of February was generally colder than normal and marked a quick return to drier conditions, although some minor low elevation snow accumulation occurred on Vancouver Island and South Coast. The upcoming 5-day weather forecast shows continued cold and dry conditions.

Snowpack

Snow Basin Indices (SBI) for February 1st, 2025 ranged from a low of 20% of normal in the Skagit to a high of 108% in the Liard (Table 1, 2 and Figure 1, 4, 5). Overall, the provincial snowpack is below normal for February 1st, with the average of all snow measurements at 72% of normal (28% below normal).

Nearly all basins decreased from January 1st (Table 2) and now range from slightly below normal to well below normal snowpack for February 1st. Regions with slightly below normal snowpacks (80-95%) include the Upper Fraser West, Boundary, Quesnel, Okanagan, North Thompson, Peace, Vancouver Island, Upper Fraser East and Stikine. Below Normal snowpacks (60-80%) were measured for the South Thompson, West Kootenay, Lower

Fraser, East Kootenay, Upper Columbia, Skeena-Nass and Central Coast. Well below normal snowpacks (<60%) exist for the South Coast, Nechako, Similkameen, Bridge, Lower Thompson, Chilcotin and Skagit. The single region with slightly above normal snowpack is the Liard which used only one snow measurement from the Fort Nelson Airport for the SBI calculation.

Last year, the February 1st average of all snow stations in British Columbia was 61% of normal (Table 3). Snow basin indices are higher in most regions of the province compared to 2024. Notable regions lower compared to last year include the Nechako, Lower Thompson, Chilcotin and Stikine.

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Please review the additional provincial and regional maps (Figures 6-13), full summary data

tables and SBI bar charts at the end of this report for further interpretation.

Table 2 – B.C. Snow Basin Indices – February 1st, 2025 compared to January 1st, 2025

Basin	February 1 st % of Normal (Jan 1 st)	Percentage Point Change Jan 1 to Feb 1	Basin	February 1 st % of Normal (Jan 1 st)	Percentage Point Change Jan 1 to Feb 1
Fraser River Region			Columbia Region		
Upper Fraser East	81 (82)	↓ -1	Upper Columbia	71 (86)	↓ -15
Upper Fraser West	92 (81)	↑ +11	West Kootenay	76 (94)	↓ -18
Nechako	58 (62)	↓ -4	East Kootenay	72 (92)	↓ -20
Middle Fraser	64 (88)	↓ -24	Boundary	89 (115)	↓ -26
Lower Thompson*	42 (133)	↓ -91	Okanagan	84 (102)	↓ -18
Bridge*	52 (67)	↓ -15	Similkameen	57 (68)	↓ -11
Chilcotin*	31 (N/A ^a)	N/A ^a	Northern Region		
Quesnel*	87 (101)	↓ -14	Peace	83 (94)	↓ -11
Lower Fraser	73 (85)	↓ -12	Skeena-Nass	67 (73)	↓ -6
North Thompson	83 (100)	↓ -17	Liard	108 (N/A ^a)	N/A ^a
South Thompson	78 (100)	↓ -22	Stikine	80 (74)	↑ +6
Coastal Region			Northwest	N/A ^b (N/A ^a)	N/A ^a
South Coast	59 (70)	↓ -11	Additional		
Vancouver Island	82 (117)	↓ -35	Fraser River	72 (86)	↓ -14
Central Coast	60 (54)	↑ +6			
Skagit	20 (18)	↑ +2			
British Columbia 72 (87) ↓ -15					

^a No snow surveys scheduled for January 1st in 2025 ^b No snow surveys scheduled for February 1st in 2025 * Sub-region of the Middle Fraser

Table 3 – B.C. Snow Basin Indices – February 1st, 2025 compared to February 1st, 2024

Basin	February 1 st % of Normal (2024 value)	Percentage Point Change 2024 to '25	Basin	February 1 st % of Normal (2024 value)	Percentage Point Change 2024 to '25
Fraser River Region			Columbia Region		
Upper Fraser East	81 (61)	↑ +20	Upper Columbia	71 (61)	↑ +10
Upper Fraser West	92 (69)	↑ +23	West Kootenay	76 (67)	↑ +9
Nechako	58 (73)	↓ -15	East Kootenay	72 (63)	↑ +9
Middle Fraser	64 (59)	↑ +5	Boundary	89 (75)	↑ +14
Lower Thompson*	42 (71)	↓ -29	Okanagan	84 (86)	↓ -2
Bridge*	52 (60)	↓ -8	Similkameen	57 (60)	↓ -3
Chilcotin*	31 (68)	↓ -37	Northern Region		
Quesnel*	87 (55)	↑ +32	Peace	83 (78)	↑ +5
Lower Fraser	73 (47)	↑ +26	Skeena-Nass	67 (69)	↓ -2
North Thompson	83 (73)	↑ +10	Liard	108 (67)	↑ +41
South Thompson	78 (81)	↓ -3	Stikine	80 (90)	↓ -10
Coastal Region			Northwest	N/A (N/A ^a)	N/A ^a
South Coast	59 (41)	↑ +18	Additional		

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Vancouver Island	82 (30)	↑ +52	Fraser River	72 (62)	↑ +10
Central Coast	60 (69)	↓ -9			
Skagit	20 (0)	↑ +20			
British Columbia 72 (61) ↑ +11					

^a No snow surveys scheduled for February 1st in 2024 or 2025 * Sub-region of the Middle Fraser

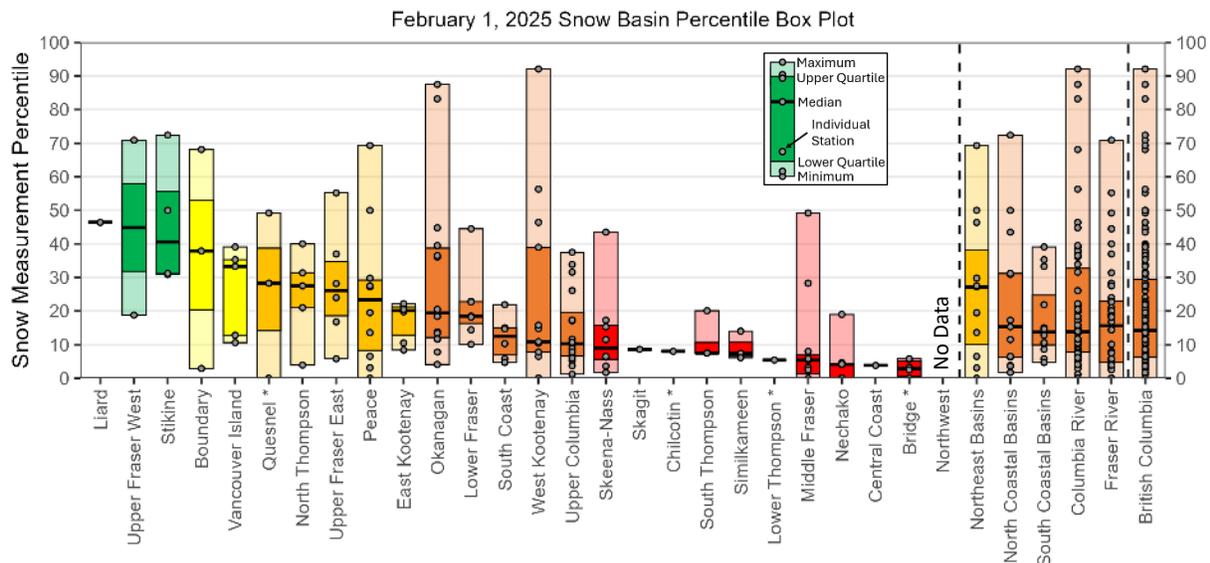
Nine snow stations measured all-time low snow water equivalent (SWE) for February 1st, 2025:

- 1B02 Tahtsa Lake : 478 mm SWE (56% of normal) - 69 years (Nechako)
- 1B02P Tahtsa Lake: 498 mm SWE (56% of normal) - 28 years (Nechako)
- 1B07 Nutli Lake: 180 mm SWE (48% of normal) - 32 years
- 1C18P Mission Ridge: 179 mm SWE (46% of normal) - 48 years (Bridge / Middle Fraser)
- 1C38P Downton Lake Upper: 397 mm SWE - 9 years (Bridge / Middle Fraser)
- 1C33A Granite Mountain: 74 mm SWE (53% of normal) - 18 years (Quesnel / Middle Fraser)
- 2D02 Ferguson: 220 mm SWE (53% of normal) - 52 years (West Kootenay)
- 2D09 Mount Templeman: 398 mm SWE (55% of normal) - 44 years (West Kootenay)
- 4A09P Pulpit Lake: 170 mm SWE (55% of normal) - 34 years (Peace)

Percentiles offer more accurate interpretation of variance, especially in regions when the percent of normal can be extremely high or low. The region with the highest average percentile is the Stikine (46th percentile), while the lowest

is the Bridge (3rd), a sub-region of the Middle Fraser. A box plot displaying the percentile variance ordered from highest to lowest median, including sub-basin, and broader geographic regions, is provided below in Figure 2.

Figure 2. Snow Basin Percentile Box Plot – February 1st, 2025



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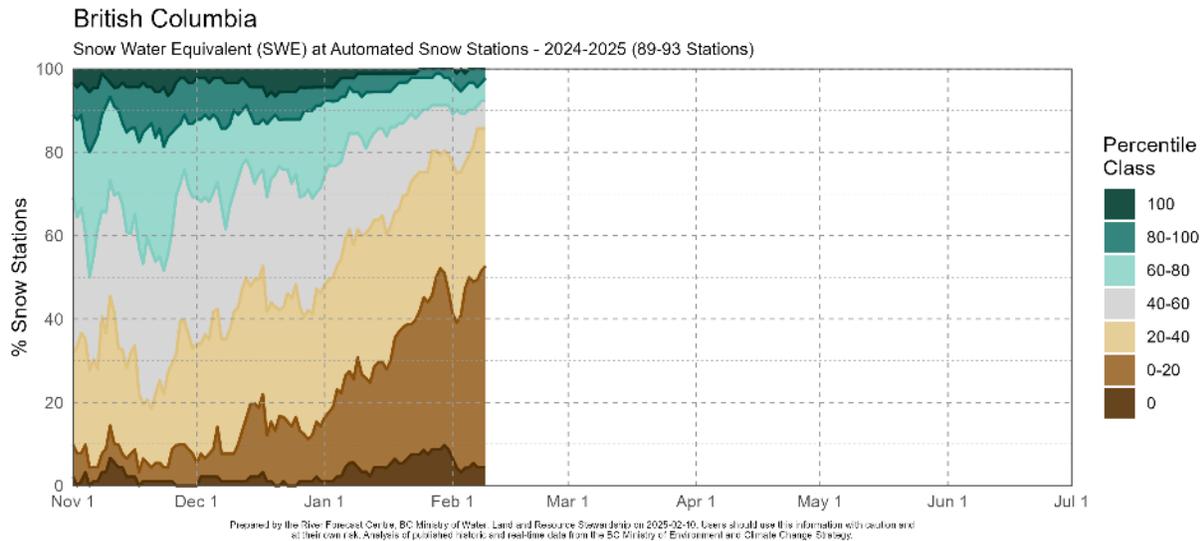
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The B.C. automated snow weather stations (ASWS) provide real-time SWE and snow depth data, recorded at one-hour intervals and summarized at daily time-steps for analysis. Figure 3 shows the percentage of snow stations that fall within a given percentile class over time for 2024-2025. Percentile classes are defined as: well above normal (80th to 100th percentile), above normal (60th to 80th), normal (40th to 60th), below normal (20th to 40th), and well below normal (0 to 20th). All-time high and all-time low are represented by 100 and 0, respectively.

Snow accumulation was extremely low throughout January due to prolonged dry weather conditions. Nearly 50% of ASWS were below normal at the start of January and by February 1st that increased to about 75%. Drier conditions continued into the first week of February and currently 85% of ASWS are below normal and 50% are well below normal.

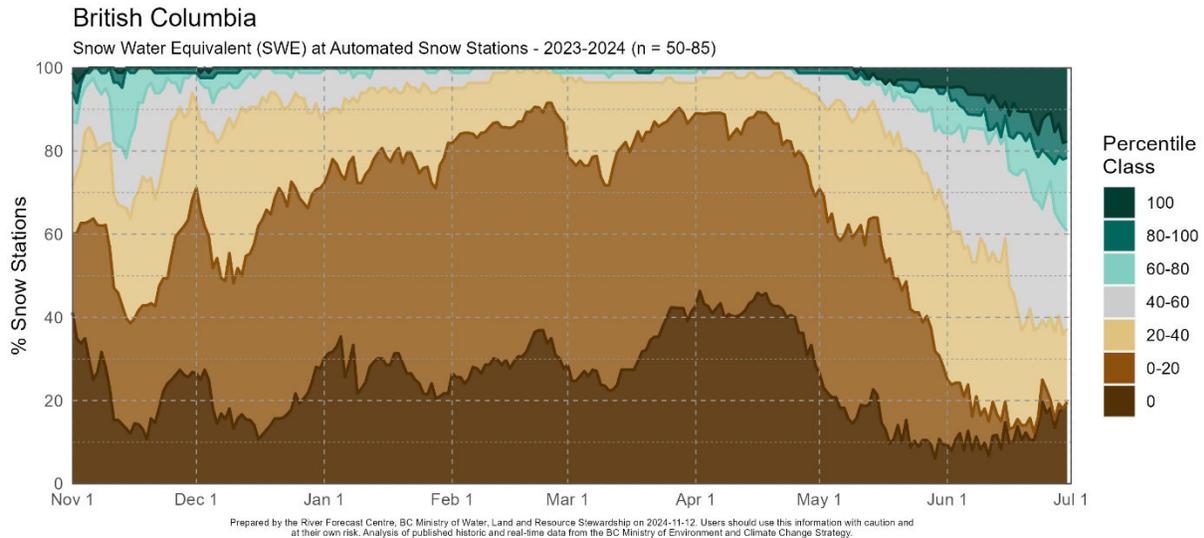
For comparison, Figure 4 displays the changes in percentile classes at ASWS last year (2023-2024). The snowpack was extremely low with nearly every station measuring below normal snowpack levels through most of the season.

Figure 3. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2024-2025)



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Figure 4. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2023-2024)



Seasonal Weather Outlook

The Climate Prediction Center (CPC) at the U.S. National Weather Service/NOAA issued a La Niña Advisory on January 9th, 2025. La Niña conditions are present and expected to persist through the February-April 2025 period (59% chance). Historically, La Niña is linked to cooler temperatures for B.C. and wetter weather for the South Coast and Vancouver Island during the winter months. La Niña is expected to be short lasting with a transition to ENSO-neutral conditions favoured during March-May 2025 (60% chance).

When winter La Niña conditions exist in B.C., the April 1st snowpack is often above normal, particularly for the South Coast and southern Interior. La Niña conditions that persist into the spring can lead to late-season snow

accumulation and delayed snowmelt, which increases the risk for freshet flooding.

Seasonal weather forecasts in late January by ECCC indicate a greater likelihood of below normal temperatures for B.C. from February through April 2025, except in the most north-east portion of the province which did not display a forecast trend. This is a considerable change compared to the previous forecast issued in late December 2024 which predicted seasonal temperatures above normal for January through March across the province. Precipitation, which is more difficult than temperature to predict at a seasonal scale, is showing a greater likelihood of above normal precipitation for February through April 2025 for the South Interior and below normal precipitation along the North Coast.



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Seasonal Volume Forecasts

Seasonal volume runoff forecasts are near normal (80%-105% of normal) for the Upper Fraser, Quesnel River, North Thompson River, South Thompson River, Thompson River, Skeena River and Nicola River. Below normal (60-80%) flows are forecast for the Bulkley

River, Okanagan Lake and Similkameen. Well below normal (45-60%) inflows are forecast for Kalamalka-Wood Lake and Nicola Lake, with low forecasts being driven by low antecedent flow, dry seasonal weather and below normal snowpacks.

Flood and Drought Outlook

By early February, approximately two-thirds of the annual B.C. snowpack typically accumulates. With another two to three months remaining in the snow accumulation season, changes can still occur in the overall snowpack and seasonal outlook, although a below normal snowpack year is becoming increasingly likely. With indicators in the current La Niña and seasonal forecasts for below-normal temperatures over this period, there is a possibility for snowpack levels to rebound to closer to normal levels. However, if the ongoing dry weather conditions remain, the snowpack may continue to lower relative to the seasonal percent of normal, despite cooler conditions.

With below normal snowpack across most regions of the province, seasonal flood hazards are expected to be reduced this season. One current exception is the Liard, where snowpack is closer to normal (108%); if near normal snowpack levels persist, a correspondingly typical degree of seasonal flood hazard is anticipated.

It is important to note that flood hazard associated with extreme rainfall and rain-on-snow during the freshet period remains a hazard regardless of snowpack levels. This outlook could change as snowpack levels progress over the coming two to three months, with the April 1st snow survey period being the benchmark survey for understanding upcoming seasonal flood hazards with increased certainty.

The current low provincial low snowpack (72% of normal), persistence of drought impacts from previous seasons, and low seasonal volume forecasts are all significant factors for an increase in province-wide concern for drought this summer. These hazards are pronounced in areas with well below normal snowpack (<60%), including the South Coast, Nechako, Similkameen, Bridge, Lower Thompson, Chilcotin and Skagit, as outlined under the early season drought indicators in the [B.C. Drought and Water Scarcity Response Plan](#).



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Summary

By early February, approximately two-thirds of the annual B.C. snowpack typically accumulates. Snowpack throughout the province ranges from 20 to 108% of normal across regions. The average for all snow measurements in the province on February 1st is 72% of normal (28% below normal). During the first week of February, snow at the automated snow weather stations has accumulated at a below seasonal rate. Regions with near normal

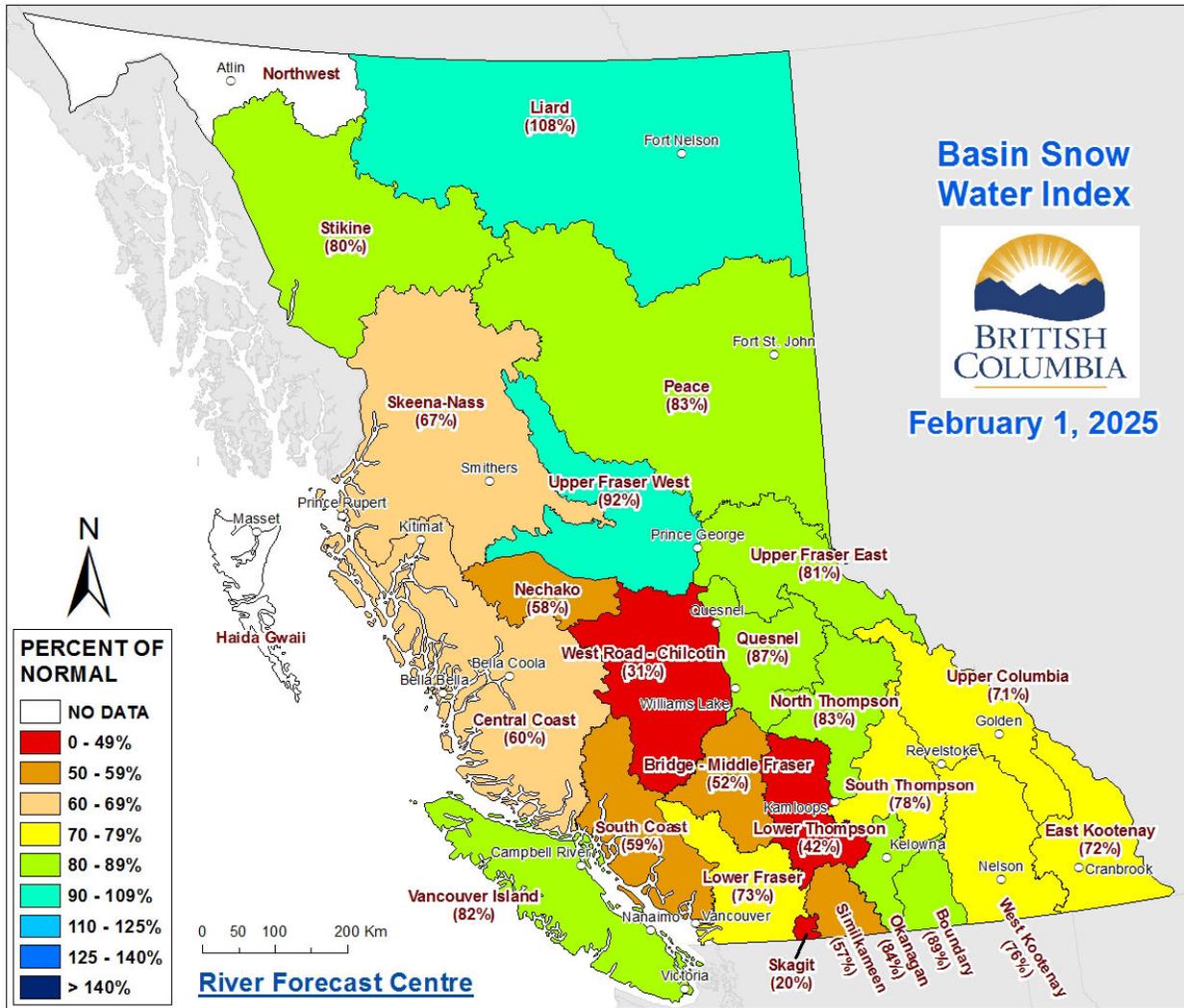
snowpack levels have an increased risk for spring snowmelt related flooding, especially if La Niña conditions persist. Areas with below normal snowpacks show early concerns for drought conditions amplifying in the spring and summer. With two or more months left for snow accumulation, seasonal snowpacks can still change significantly based on weather patterns through the remainder of the season.

The River Forecast Centre continues to monitor snowpack conditions and will provide an updated seasonal risk forecast in the March 1st, 2025 bulletin scheduled for release on March 10th or 11th.

River Forecast Centre
February 11, 2025

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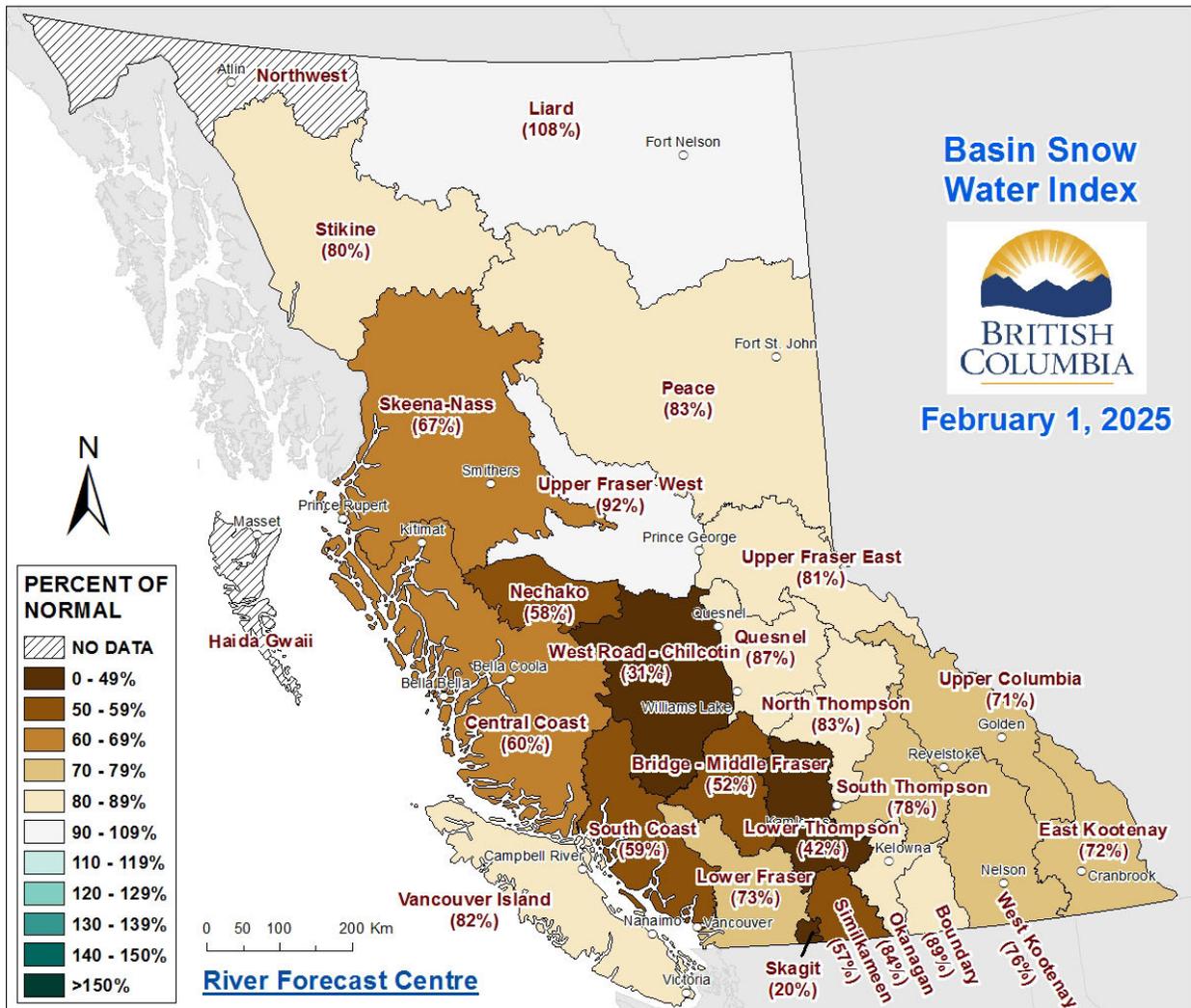
Figure 5: Basin Snow Water Index – February 1st, 2025



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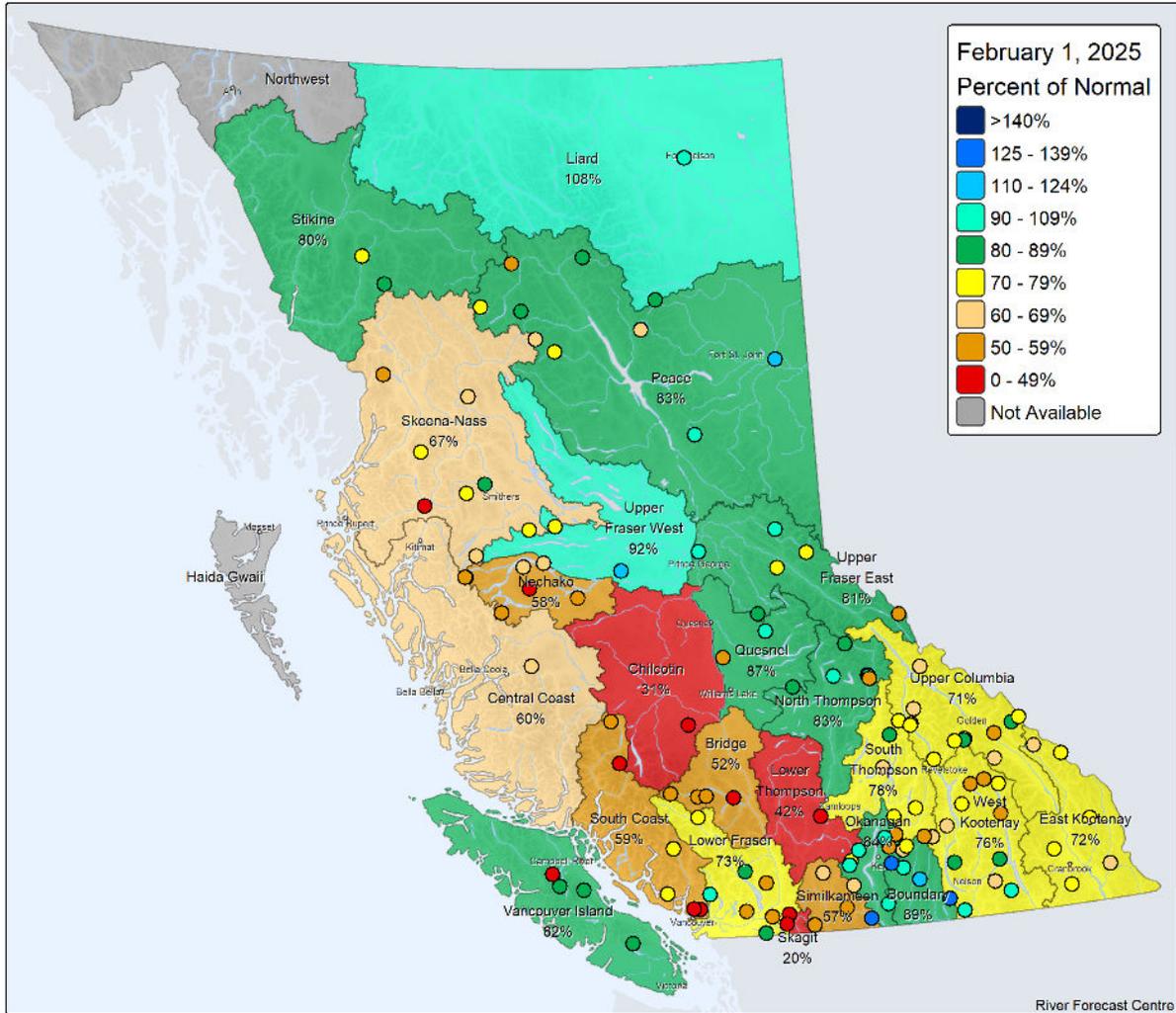
Figure 6: Basin Snow Water Index – February 1st, 2025 – Colour Friendly



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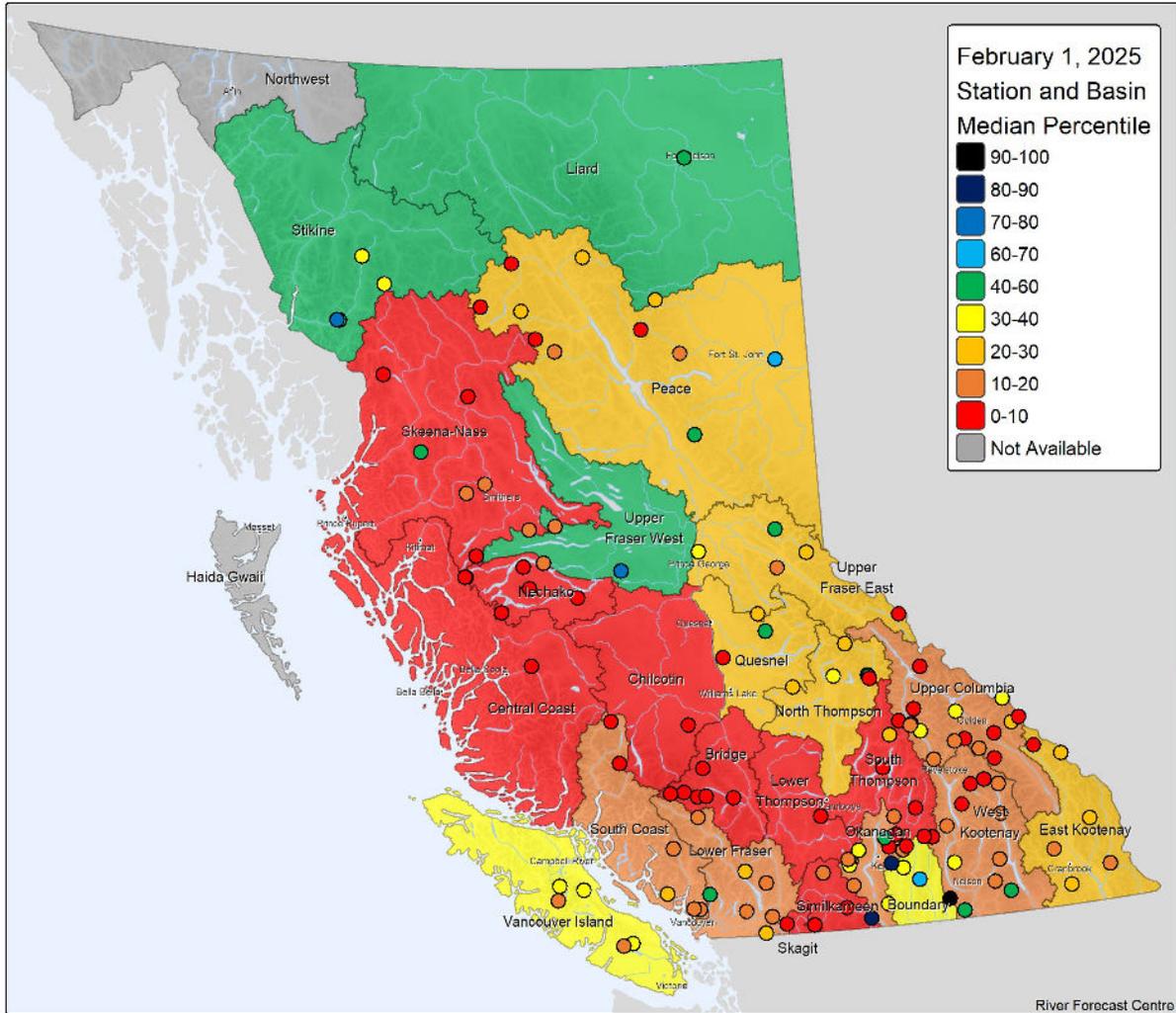
Figure 7 - B.C. Snow Station Map – Percent of Normal – February 1, 2025



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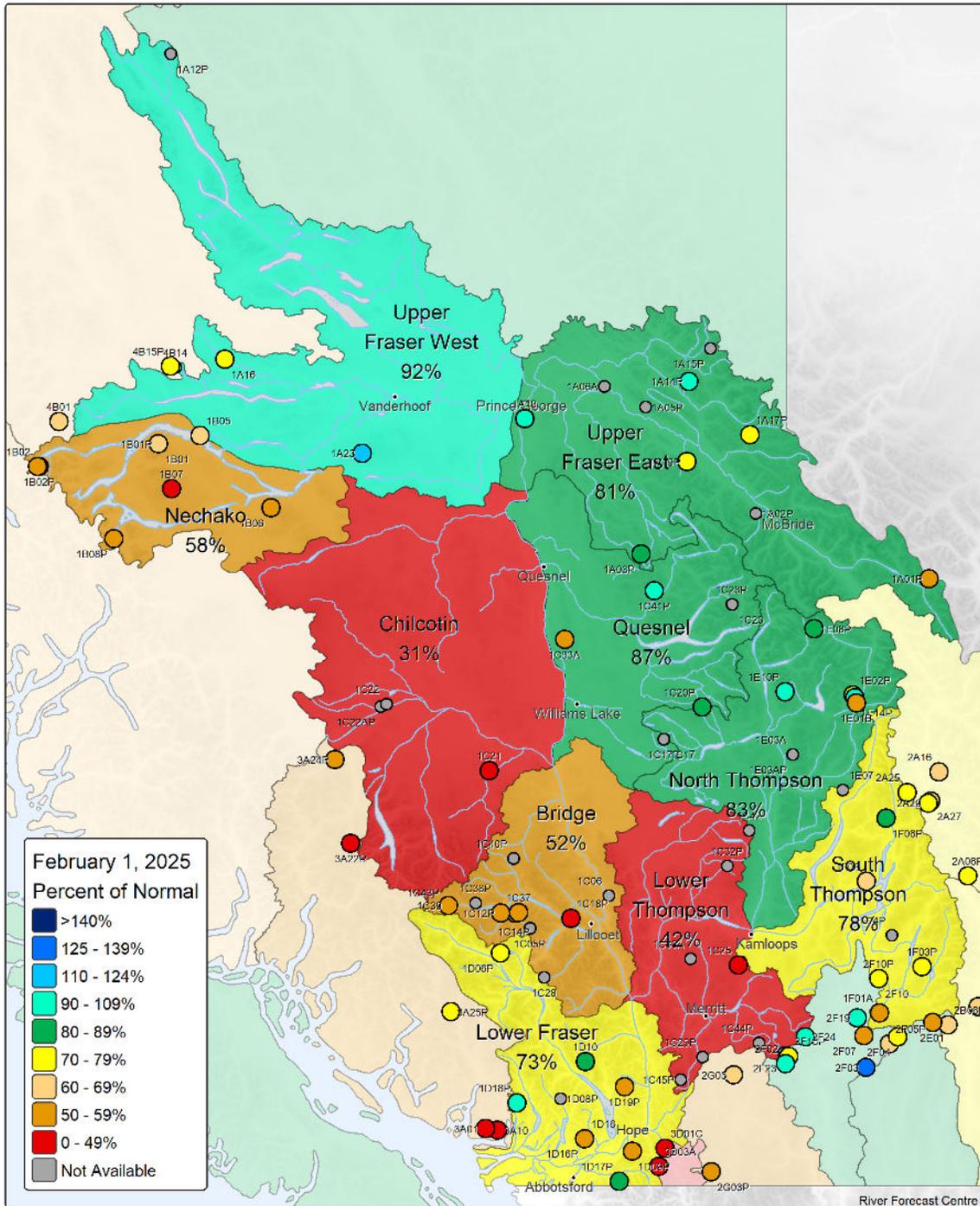
Figure 8 - B.C. Snow Station Map – Percentile – February 1, 2025



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Figure 9 - Fraser River Snow Station Map - % of Normal – February 1, 2025

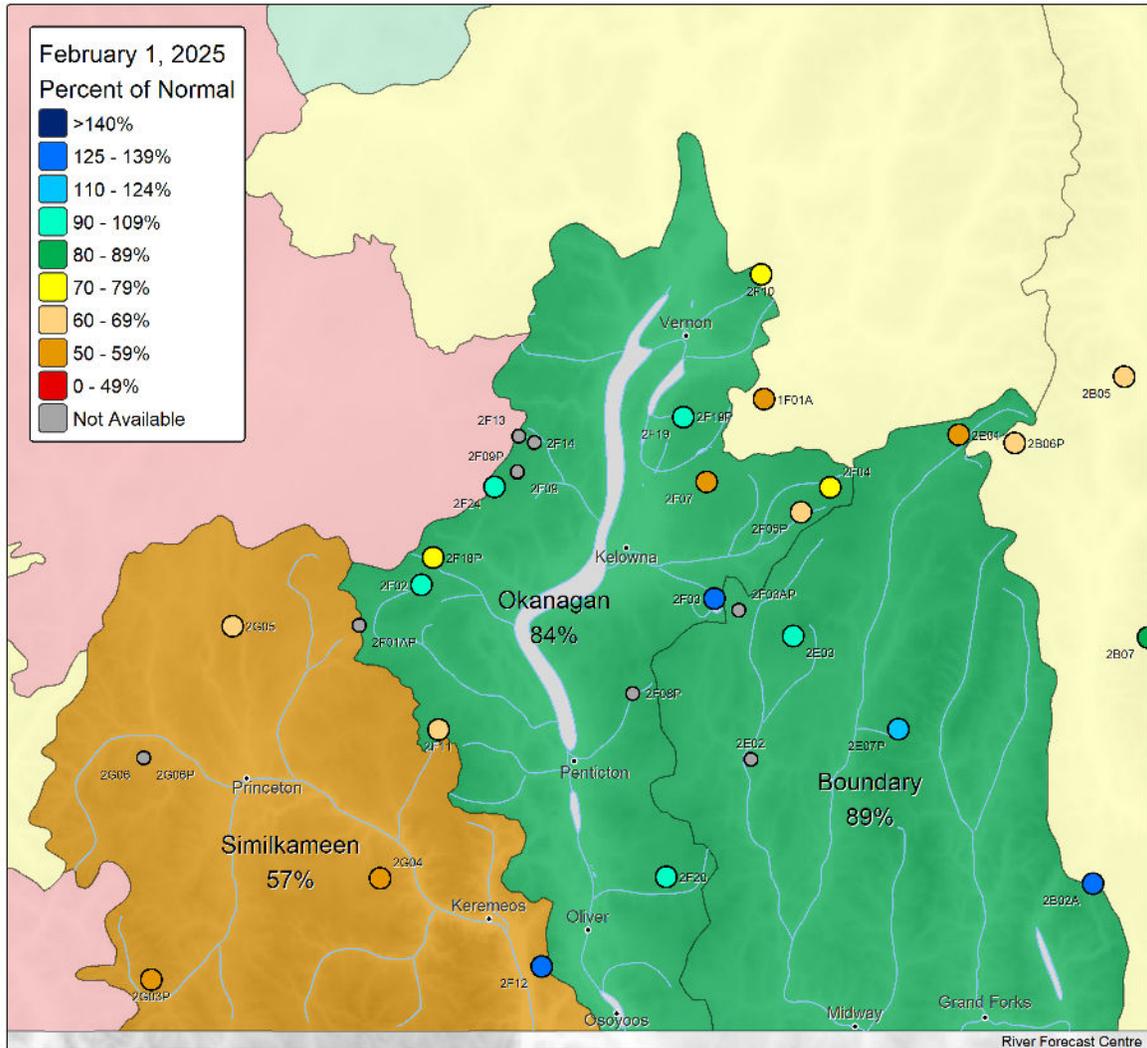


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Figure 11 - South Interior Snow Station Map - % of Normal - February 1, 2025

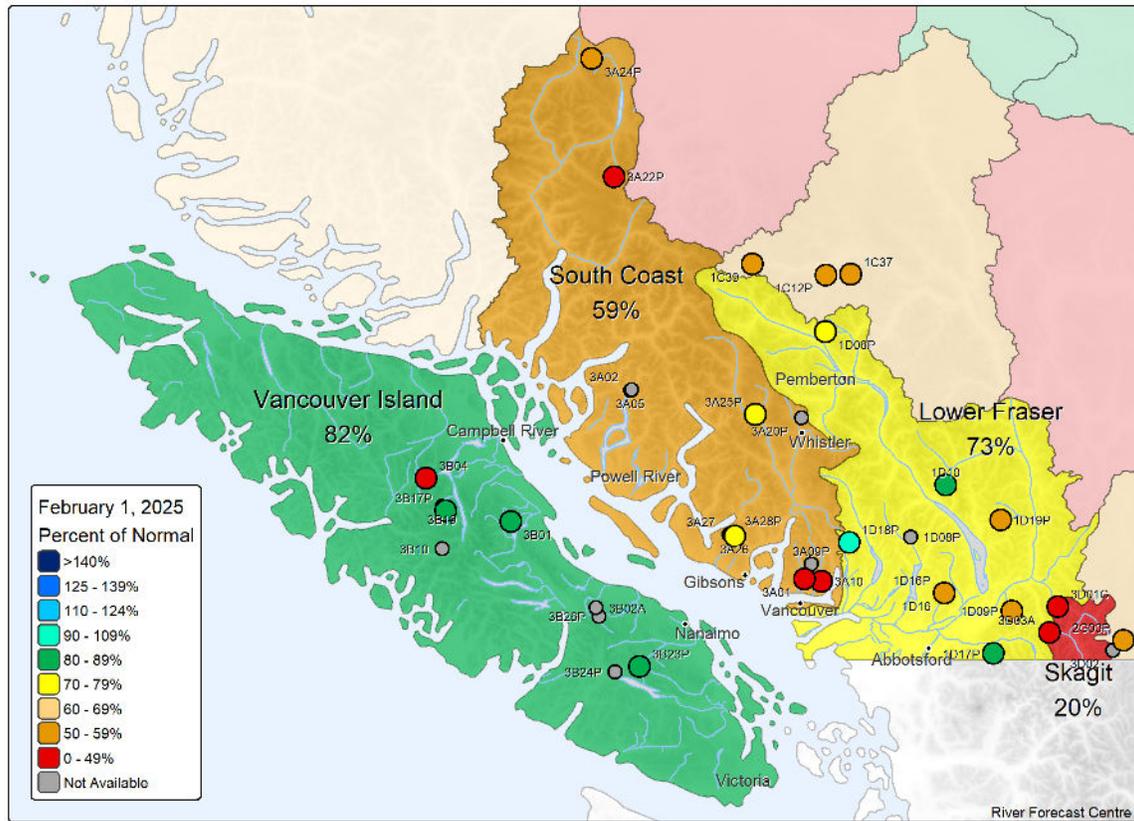


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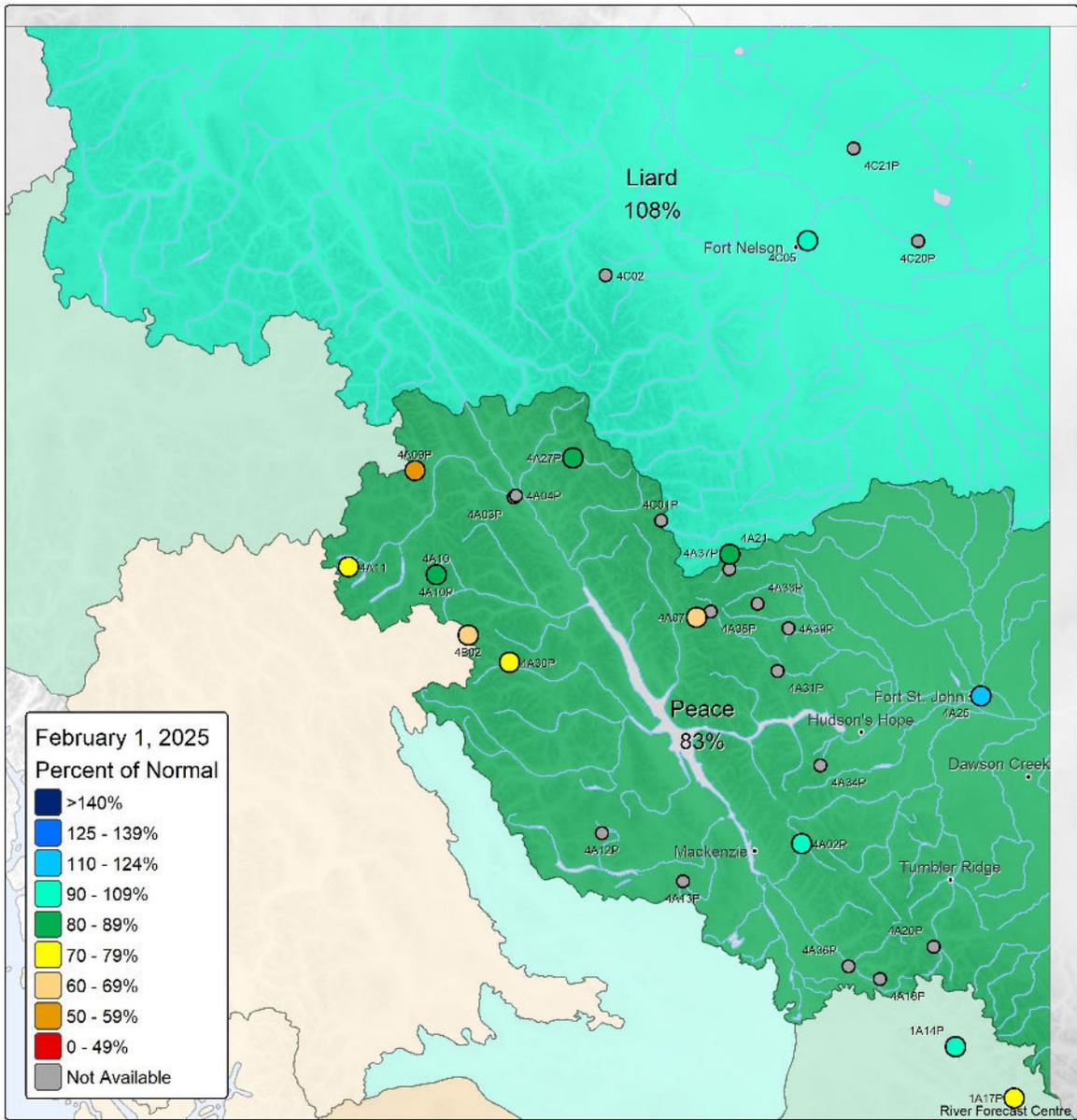
Figure 12 - South Coastal Snow Station Map - % of Normal – February 1, 2025



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Figure 13 - Northeast Snow Station Map - % of Normal – February 1, 2025

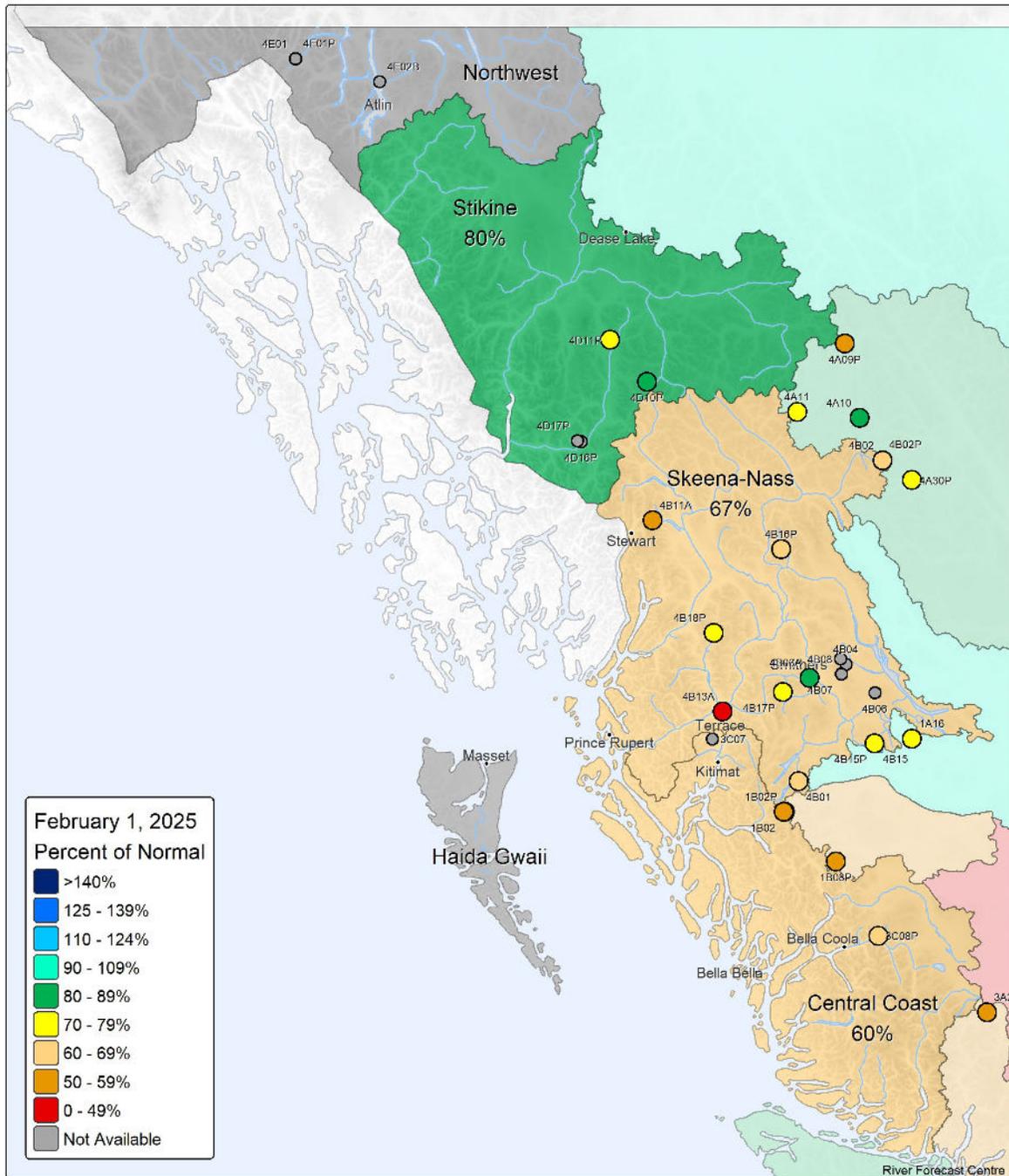


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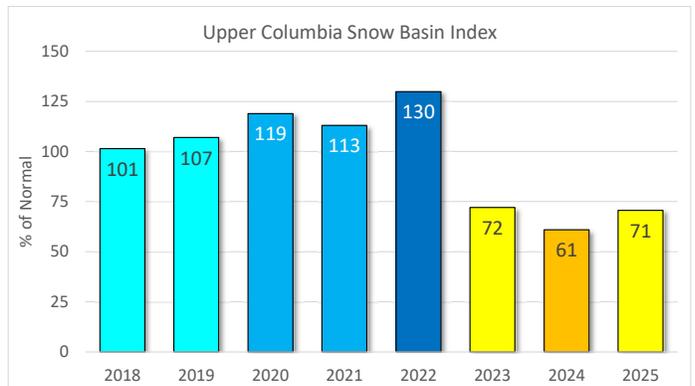
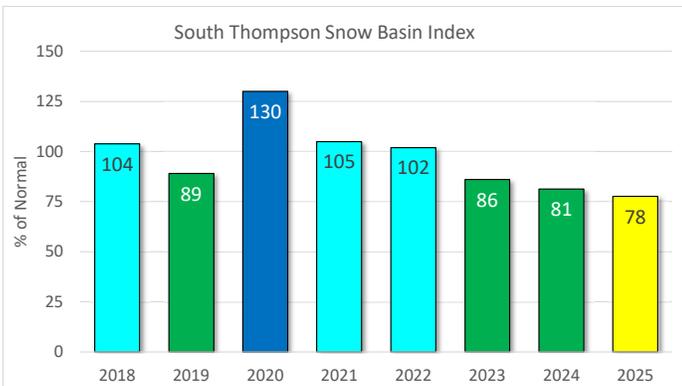
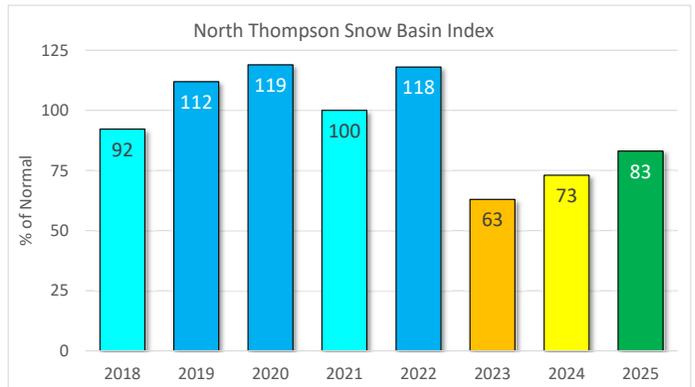
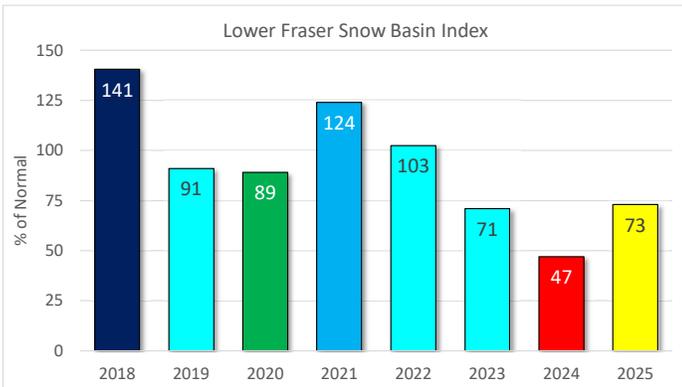
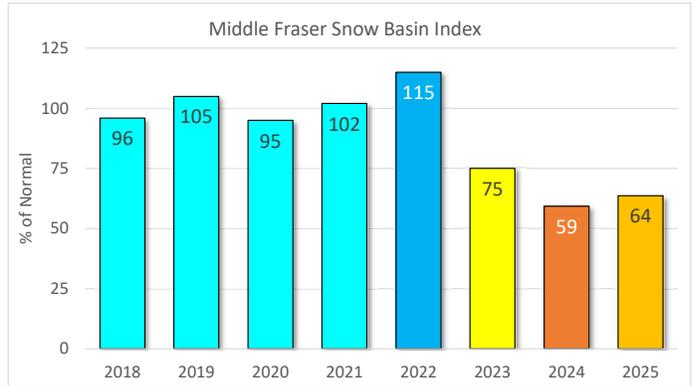
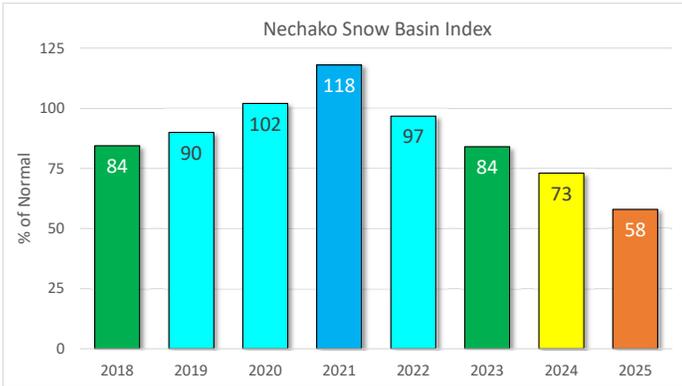
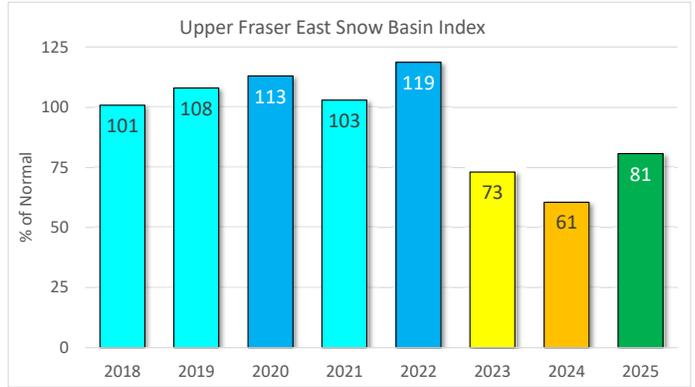
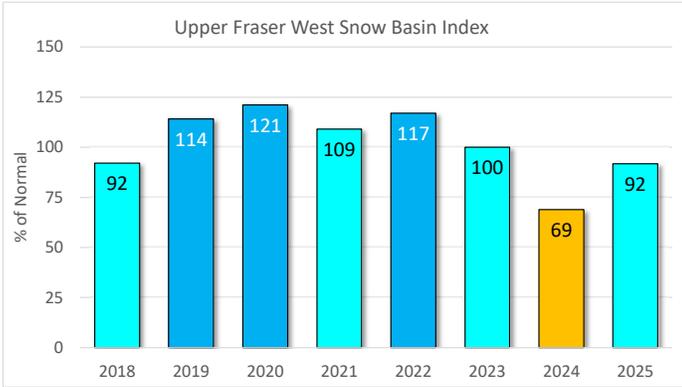
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Figure 14 - North Coastal Snow Station Map - % of Normal – February 1, 2025

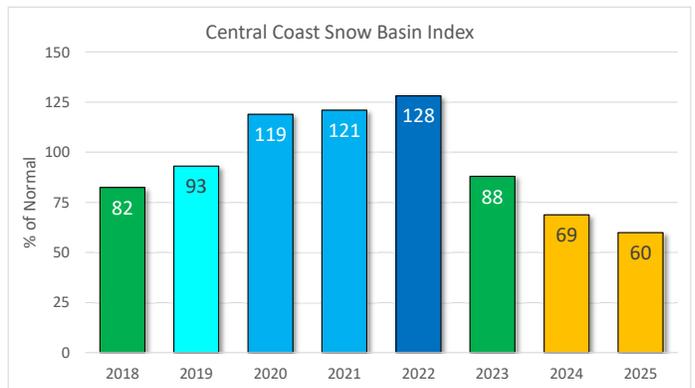
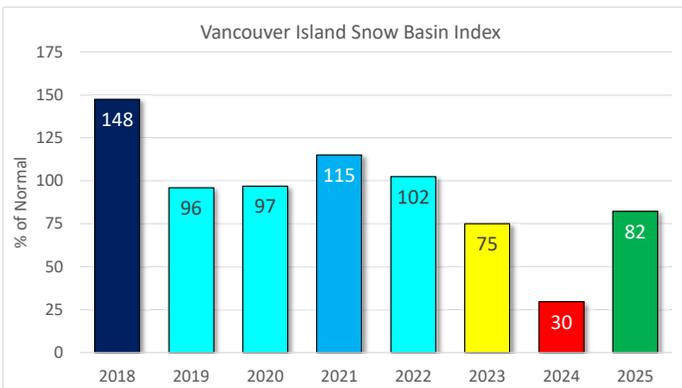
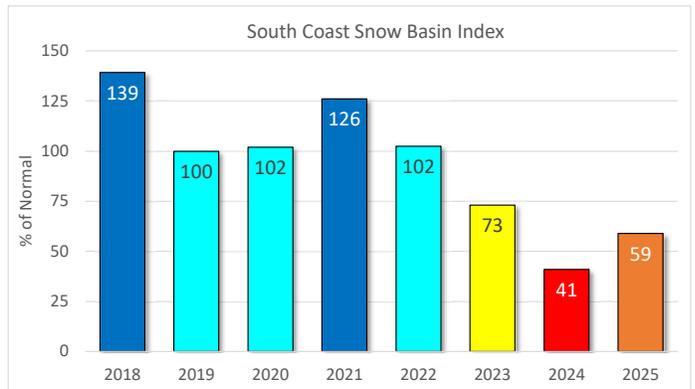
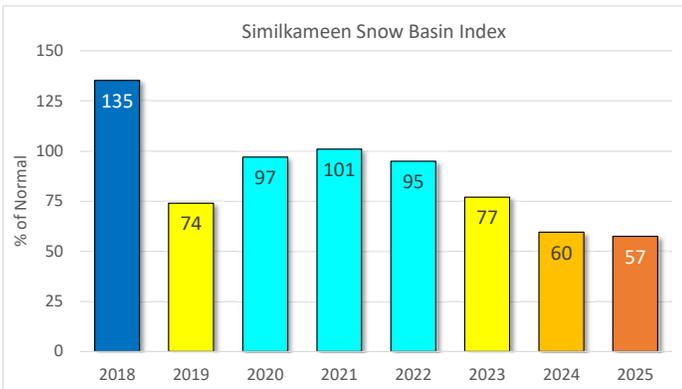
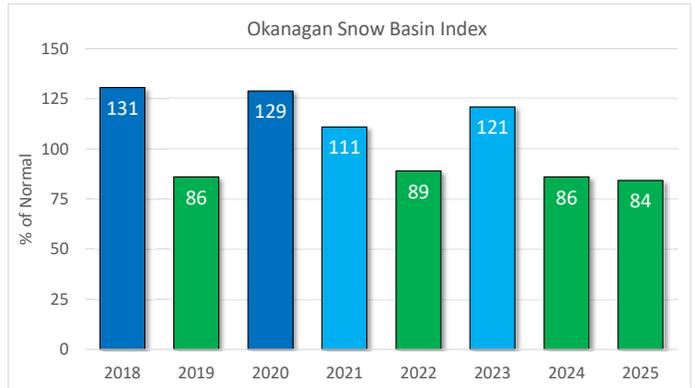
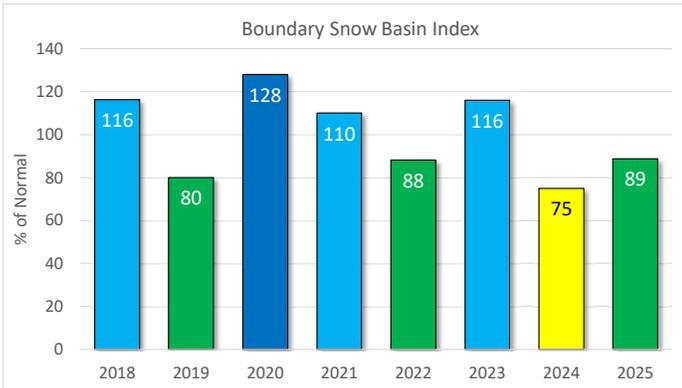
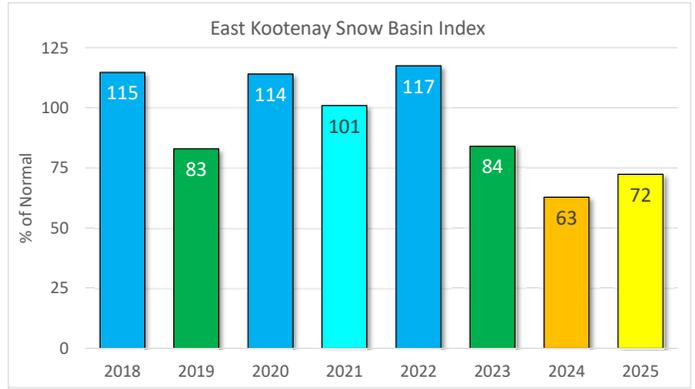
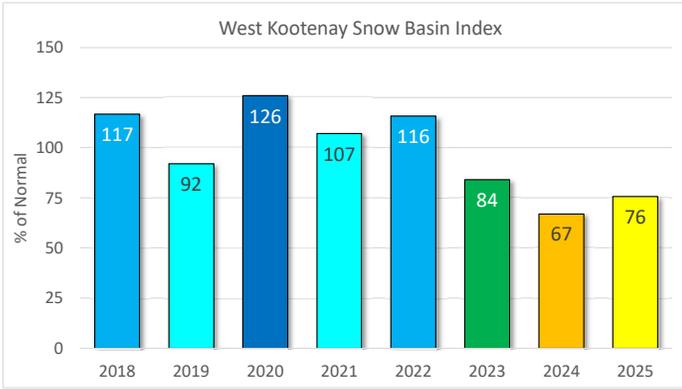


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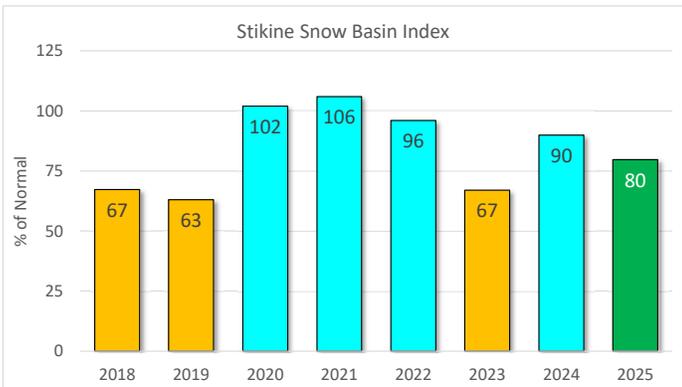
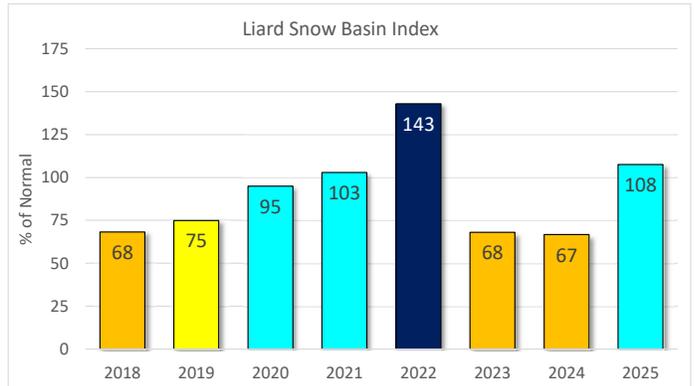
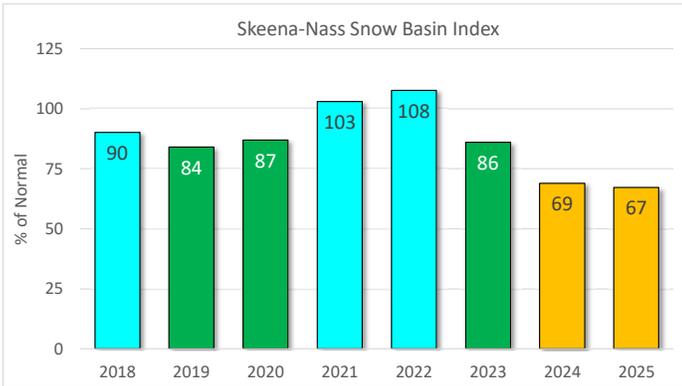
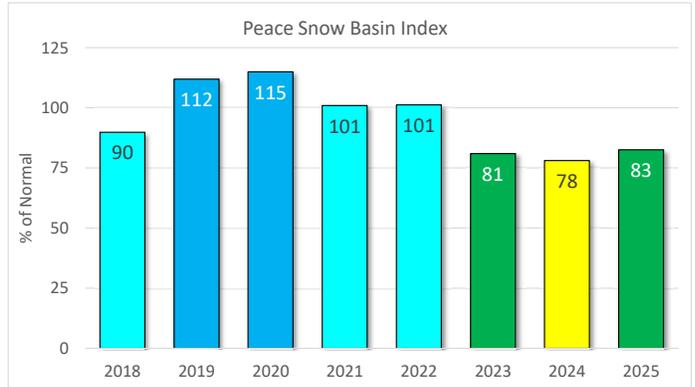
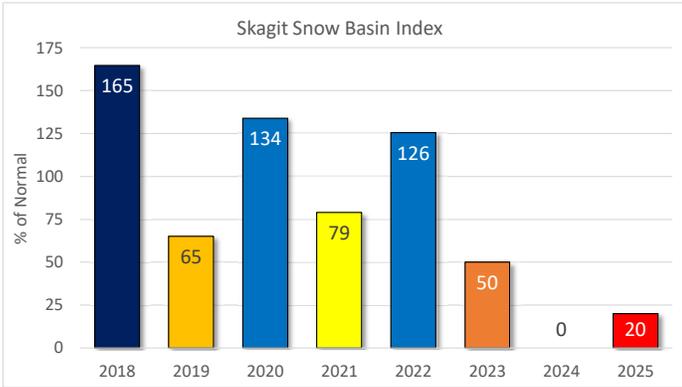
1. Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision upon review.



Snow Basin Index Graphs - February 1, 2025



Snow Basin Index Graphs - February 1, 2025



Ministry of Water, Lands and Resource Stewardship
River Forecast Centre
Volume Runoff Forecast February 2025

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					3,721	3,858	96	333	5,196	5,325	98	396
	McGregor at Lower Canyon					4,112	4,185	98	553	5,192	5,231	99	672
	Fraser at Shelley					17,454	16,786	104	1,716	21,650	20,845	104	2,033
Middle Fraser Basin	Quesnel River at Quesnel					5,046	4,930	102	551	6,483	6,261	104	661
Thompson Basin	N. Thompson at McLure					8,089	9,411	86	710	9,641	11,580	83	925
	S. Thompson at Chase					5,958	6,389	93	650	7,464	7,956	94	940
	Thompson at Spences Bridge					14,636	16,353	89	1,381	18,049	20,333	89	1,775
Bulkley and Skeena	Bulkley at Quick					2,034	2,784	73	1,655	2,536	3,381	75	2,173
	Skeena at Usk					16,389	19,604	84	1,553	20,718	23,948	87	2,123
Nicola Lake		62	131	48	33	74	148	50	38				
*new model - Normal (1984-2019)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Nicola River at Spences Bridge		444	549	81	100	492	616	80	123				
*new model - Normal (1970-2019)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Okanagan Lake		309	488	63	99	309	515	60	120				
*new model - Normal (1970-2019)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Kalamalka-Wood Lake		17.3	33.1	52	12.8	16.4	34.5	47	15.1				
*new model - Normal (1975-2019)		N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Similkameen River	at Nighthawk	945	1,391	68	166					1,088	1,701	64	196
	at Hedley	721	1,080	67	139					795	1,268	63	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 Principal 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

*Numeric seasonal weather forecast input used in the new model has been discontinued. Models are being re-calibrated to newly available seasonal weather forecast data.

Use at your own risk

February 1, 2025 Automated Snow Weather Station / Manual Snow Survey Data

UPPER FRASER EAST			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
1A01P	Yellowhead Lake	1860	2025-02-01	103	228	22		59%	6	220	243	207	379	619	386	25
1A02P	McBride Upper	1611	2025-02-01					N/A	N/A	200	276	203	315	522	332	33
1A03P	Barkerville	1520	2025-02-01	84	192	23		86%	28	178	193	116	212	368	223	47
1A05P	Longworth Upper	1740	2025-02-01	221	785	36		N/A	N/A	433	672	385	677	854	N/A	8
1A06A	HANSARD	608	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	112	148	326	N/A	19
1A10	PRINCE GEORGE A	689	2025-01-31	41	93	23		97%	37	31	112	0	106	224	96	63
1A14P	Hedrick Lake	1100	2025-02-01	210	570	27		104%	55	291	376	291	566	934	546	25
1A15P	Knudsen Lake	1601	2025-02-01	181	536	30		N/A	N/A	343	521	343	530	706	N/A	8
1A17P	Revolution Creek	1690	2025-02-01	169	438	26		76%	24	317	422	296	576	1043	579	36
1A19P	Dome Mountain	1774	2025-02-01	170	371	22		72%	17	383	305	305	473	853	514	18
			Average	147	402	26		82%	28							

Basin Index Calculation	Average SWE	315
	Average Normal	391
Upper Fraser East Basin Index - February 1, 2025		81%

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

UPPER FRASER WEST			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
1A12P	Kaza Lake	1257	2025-02-01		227			N/A	N/A	182	187	164	208	334	N/A	8
1A16	BURNS LAKE	800	2025-02-03	36	80	22		71%	19	58	98	44	103	232	112	54
1A23	BIRD CREEK	1180	2025-01-31	67	128	19		112%	71	98	128	56	112	220	114	32
			Average	52	145	21		92%	45							

Basin Index Calculation	Average SWE	104
	Average Normal	113
Upper Fraser West Basin Index - February 1, 2025		92%

Stations used in Basin Index:
1A16, 1A23

NECHAKO			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
1B01	MOUNT WELLS	1490	2025-01-30	83	226	27		61%	5	233	334	188	360	606	373	40
1B01P	Mount Wells	1490	2025-02-01		295			72%	4	280	386	216	393	658	410	31
1B02	TAHTSA LAKE	1300	2025-01-31	164	478	29		56%	0	685	649	508	796	1442	854	69
1B02P	Tahtsa Lake	1300	2025-02-01		498			56%	0	735	666	621	874	1533	886	28
1B05	SKINS LAKE	890	2025-01-31	29	58	20		67%	19	53	73	35	82	224	87	56
1B06	MOUNT SWANNELL	1620	2025-01-30	57	116	20		52%	4	108	231	88	211	382	222	35
1B07	NUTLI LAKE	1490	2025-01-30	77	180	23		48%	0	243	383	218	371	729	378	32
1B08P	Mt. Pondosy	1400	2025-02-01		336			59%	4	431	465	273	536	872	570	29
			Average	82	273	24		59%	5							

Basin Index Calculation	Average SWE	273
	Average Normal	472
Nechako Basin Index - February 1, 2025		58%

Stations used in Basin Index:
1B01, 1B01P, 1B02, 1B02P, 1B05, 1B06, 1B07, 1B08P

Record Low

Record Low

Record Low

LOWER THOMPSON			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C06	PAVILION	1230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	53	130	N/A	31
1C09A	HIGHLAND VALLEY	1510	NS	NS	NS	NS	NS	N/A	N/A	47	143	20	81	188	N/A	28
1C25	LAC LE JEUNE (UPPER)	1509	2025-01-30	44	44	10		42%	5	71	147	13	91	177	104	50
1C29P	Shovelnose Mountain	1460	2025-02-01	44	105	24		N/A	N/A	98	167	98	157	194	N/A	6
1C32P	Deadman River	1460	2025-02-01	35	70	20		N/A	N/A	64	153	64		153	N/A	2
1C42	CAVERHILL LAKE NEW	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1C44P	Paradise Lake	1640	2025-02-01	34	83	24		N/A	N/A	100		100		100	N/A	1
1C45P	July Mountain	1860	2025-02-01	123	391	32		N/A	N/A	115		115		115	N/A	1
			Average	56	139	22		42%	5							

Basin Index Calculation	Average SWE	44
	Average Normal	104
Lower Thompson Basin Index - February 1, 2025		42%

Stations used in Basin Index:
1C25

BRIDGE / LILLOOET			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C05P	McGillivray Pass	1718	2025-02-01		131			N/A	N/A	167	243	167	360	484	N/A	7
1C12P	Green Mountain	1780	2025-02-01		334			55%	6	362	354	238	585	985	606	31
1C14P	Bralorne	1382	2025-02-01		94			N/A	N/A	92	97	92	175	222	N/A	7
1C18P	Mission Ridge	1850	2025-02-01		179			46%	0	205	281	185	382	794	391	48
1C28	DUFFEY LAKE	1200	2025-02-01		94			N/A	N/A	195	244	195	244	371	N/A	3
1C37	Bralorne	1981	2025-01-28	79	230	29		51%	3	NS	294	178	460	724	450	23
1C38P	Downton Lake Upper	1829	2025-02-01		397			N/A	0	469	403	403	560	803	N/A	9
1C39	BRIDGE GLACIER (LOWER)	1390	2025-01-28	78	222	28		52%	6	288	292	112	415	688	426	28
1C40P	North Tyaughton	1969	2025-02-01		159			N/A	3	152	211	152	220	369	N/A	9
1C43P	Bridge Glacier Proglacial Lake	1505	2025-02-01		397			N/A	N/A	469	482	469		482	N/A	2
			Average	79	224	29		51%	3							

Basin Index Calculation	Average SWE	241
	Average Normal	468
Bridge/Lillooet Basin Index - February 1, 2025		52%

Stations used in Basin Index:
1C12P, 1C18P, 1C37, 1C39

CHILCOTIN			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C21	BIG CREEK	1140	2025-01-29	8	14	18		31%	8	28	37	0	39	100	45	51
1C22	PUNTZI MOUNTAIN	940	NS	NS	NS	NS	NS	N/A	N/A	40	61	0	54	126	54	54
1C22AP	Puntzi Mountain	920	2025-02-01		37			N/A	N/A	57		57		57	N/A	1
			Average	8	26	18		31%	8							

Basin Index Calculation	Average SWE	14
	Average Normal	45
Chilcotin Basin Index - February 1, 2025		31%

Stations used in Basin Index:
1C21

QUESNEL			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1C17	MOUNT TIMOTHY	1660	NS	NS	NS	NS	NS	N/A	N/A	63	258	92	223	384	233	56
1C17P	Mount Timothy	1630	2025-02-01		182			N/A	N/A	145		145		145	N/A	1
1C20P	Boss Mountain Mine	1460	2025-02-01		352			87%	28	258	325	143	396	611	405	31
1C23	PENFOLD CREEK	1685	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	663	663	663	N/A	2
1C23P	Penfold Creek	1740	2025-02-01	209	705	34		N/A	N/A	452	566	452		566	N/A	2
1C33A	GRANITE MOUNTAIN	1150	2025-02-01	31	74	24		53%	0	84	208	79	142	208	140	18
1C41P	Yanks Peak East	1670	2025-02-01	171	551	32		95%	49	343	447	304	559	803	580	28
			Average	137	373	30		78%	26							

Record Low

Basin Index Calculation	Average SWE	326
	Average Normal	375
Quesnel Basin Index - February 1, 2025		87%

Stations used in Basin Index:
1C20P, 1C33A, 1C41P

MIDDLE FRASER

Basin Index Calculation	Average SWE	222
	Average Normal	350
Middle River Basin Index - February 1, 2025		64%

Stations used in Basin Index:
1C12P, 1C18P, 1C20P, 1C21, 1C25, 1C33A, 1C37, 1C39, 1C41P

LOWER FRASER			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1D06P	Tenquille Lake	1680	2025-02-01	148	488	33		70%	14	460	529	344	712	1092	695	23
1D08P	Lamont Creek Upper	1217	2025-02-01		702			N/A	N/A	245	543	245	777	1228	N/A	4
1D09P	Wahleach Lake Upper	1480	2025-02-01		339			56%	10	319	411	246	579	1061	602	31
1D10	NAHATLATCH RIVER	1550	2025-01-27	164	687	42		81%	23	N	498	262	899	1359	846	43
1D16	DICKSON LAKE	1160	2025-01-27	131	490	37		58%	19	282	690	122	802	1538	840	29
1D16P	Dickson Lake	1155	2025-02-01		558			N/A	N/A	403		403		403	N/A	1
1D17P	Chilliwack River	1600	2025-02-01	185	794	43		80%	23	531	859	371	999	1586	998	31
1D18P	Disappointment Lake	1050	2025-02-01	189	1000	53		99%	45	N	N	194	1039	1673	1014	12
1D19P	Spuzzum	1180	2025-02-01	173	564	33		57%	18	463	579	308	885	1902	982	26
			Average	165	625	40		72%	22							

Basin Index Calculation	Average SWE	623
	Average Normal	854
Lower Fraser Basin Index - February 1, 2025		73%

Stations used in Basin Index:
1D06P, 1D09P, 1D10, 1D16, 1D17P, 1D18P, 1D19P

NORTH THOMPSON			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
1E01B	BLUE RIVER	670	2025-01-31	62	133	21		54%	4	170	175	98	233	380	245	40
1E02P	Mount Cook	1550	2025-02-01	220	716	33		79%	21	704	653	642	862	1432	902	20
1E03A	TROPHY MOUNTAIN	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1E03AP	TROPHY MOUNTAIN	1880	2025-02-01	120	347	29		N/A	N/A	309		309		309	N/A	1
1E07	ADAMS RIVER	1720	N	N	N	N	N	N/A	N/A	N	278	278	467	654	479	42
1E08P	Azure River	1652	2025-02-01	205	681	33		86%	28	524	581	524	801	1043	793	27
1E10P	Kostal Lake	1770	2025-02-01	170	546	32		91%	31		421	417	605	790	603	37
1E14P	Cook Creek	1280	2025-02-01	123	369	30		92%	40	306	298	248	386	589	399	15
			Average	150	465	30		80%	25							

Basin Index Calculation	Average SWE	489
	Average Normal	589
North Thompson Basin Index - February 1, 2025		83%

Stations used in Basin Index:
1E01B, 1E02P, 1E08P, 1E10P, 1E14P

SOUTH THOMPSON			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
1F01A	ABERDEEN LAKE	1310	2025-01-29	34	69	20		58%	8	97	140	48	117	193	119	67
1F02	ANGLEMONT	1190	2025-01-30	65	188	29		68%	8	212	228	130	262	483	276	65
1F03P	Park Mountain	1890	2025-02-01	147	460	31		78%	8	464	541	334	578	870	591	40
1F04P	Enderby	1950	2025-02-01	185	641	35		N/A	N/A	652	716	591	700	824	N/A	8
1F06P	Celista Mountain	1500	2025-02-01	181	519	29		86%	20	504	466	421	638	736	607	19
			Average	122	375	29		72%	11							

Basin Index Calculation	Average SWE	309
	Average Normal	398
South Thompson Basin Index - February 1, 2025		78%

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

FRASER RIVER

Basin Index Calculation	Average SWE	350
	Average Normal	488
Fraser River Basin Index - February 1, 2025		72%

Stations used in Basin Index:
1A01P, 1A03P, 1A10, 1A14P, 1A16, 1A17P, 1A19P, 1A23, 1B01, 1B01P, 1B02, 1B02P, 1B05, 1B06, 1B07, 1B08P, 1C12P, 1C18P, 1C20, 1C21, 1C25, 1C33A, 1C37, 1C39, 1C41P, 1D06P, 1D09P, 1D10, 1D16, 1D17P, 1D18P, 1D19P, 1E01B, 1E02P, 1E08P, 1E10P, 1E14P, 1F01A, 1F02, 1F03P, 1F06P

UPPER COLUMBIA			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
2A02	GLACIER	1250	2025-01-28	90	297	33		62%	5	312	341	241	467	828	480	83
2A03A	FIELD	1285	2025-01-30	40	99	25		81%	26	102	86	46	121	233	123	85
2A06P	Mount Revelstoke	1850	2025-02-01		626			78%	12	543	620	464	810	1196	808	31
2A07	KICKING HORSE	1650	2025-01-30	63	156	25		70%	7	182	126	102	244	384	221	78
2A11	BEAVERFOOT	1890	2025-01-28	42	80	19		55%	1	120	92	78	144	249	146	54
2A14	MOUNT ABBOT	2010	2025-02-07	186	681	37		81%	13	N	599	396	823	1212	837	65
2A16	GOLDSTREAM	1920	2025-01-29	160	560	35		69%	10	N	520	460	777	1136	813	54
2A17	FIDELITY MOUNTAIN	1870	2025-01-27	182	615	34		71%	11	392	474	392	848	1376	861	61
2A18P	Keystone Creek	1840	2025-02-01		624			N/A	32	403	412	403	643	696	N/A	9
2A19	VERMONT CREEK	1520	2025-01-28	59	173	29		60%	4	210	237	102	304	574	288	53
2A21P	Molson Creek	1935	2025-02-01		518			68%	9	407	530	417	750	1067	760	43
2A25	KIRBYVILLE LAKE	1750	2025-01-29	171	606	35		73%	8	N	708	381	843	1160	836	47
2A27	DOWNIE SLIDE (LOWER)	980	2025-01-29	97	302	31		61%	6	314	338	256	480	740	494	42
2A29	DOWNIE SLIDE (UPPER)	1630	2025-01-29	190	700	37		71%	17	570	652	466	902	1422	990	40
2A30P	Colpitti Creek	2131	2025-02-01		476			N/A	34	383	340	243	523	785	N/A	16
2A31P	Caribou Creek Upper	2201	2025-02-01		469			N/A	17	399	405	399	634	858	N/A	9
2A32P	Wildcat Creek	2122	2025-02-01		334			N/A	38	275	260	260	428	618	N/A	9
2A34P	Glacier NP Rogers Pass Lower	1182	2025-02-01		230			N/A	N/A	262	285	262	285	659	N/A	3
2A35P	Fred Laing Lower	577	2025-02-01		332			N/A	N/A	217	295	217		295	N/A	2
			Average	116	415	31		69%	15							

Basin Index Calculation	Average SWE	416
	Average Normal	589
Upper Columbia Basin Index - February 1, 2025		71%

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

WEST KOOTENAY			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
2B02A	FARRON	1220	2025-02-05	100	289	29		134%	92	193	222	63	215	346	216	51
2B02AP	Farron	1230	2025-02-01	106	313	30		N/A	N/A						N/A	0
2B05	WHATSHAN (UPPER)	1525	2025-01-26	100	309	31		65%	11	N	354	242	445	759	479	45
2B06P	Barnes Creek	1620	2025-02-01		249			68%	7	248	333	149	356	566	367	32
2B07	KOCH CREEK	1860	2025-01-26	129	446	35		86%	39	N	562	203	513	708	519	43
2B08P	St. Leon Creek	1800	2025-02-01		514			71%	8	510	481	322	715	1170	725	30
2B09	RECORD MOUNTAIN	1890	2025-01-29	153	480	31		99%	56	386	512	117	457	802	485	49
2D02	FERGUSON	929	2025-02-01	88	220	25		53%	0	270	330	237	410	616	417	52
2D03	SANDON	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	264		328	N/A	2
2D04	NELSON	930	2025-01-29	55	159	29		64%	10	99	211	79	258	508	250	86
2D06	CHAR CREEK	1310	2025-02-03	131	347	26		95%	46	237	298	117	362	650	364	59
2D07A	DUNCAN LAKE NO. 2	630	2025-01-31	31	65	21		51%	11	40	102	40	110	283	128	33
2D07AP	Duncan Lake Dam 2	559	2025-02-01		48			N/A	N/A	0	83	0	83	192	N/A	5
2D08P	East Creek	2030	2025-02-01		445			73%	15	433	438	281	607	1012	614	44
2D09	MOUNT TEMPLEMAN	1860	2025-01-26	124	398	32		55%	0	N	512	409	705	1115	718	44
2D10P	GRAY CREEK (UPPER)	1930	2025-02-01	119	417	35		N/A	N/A	341	462	341	486	548	N/A	4
2D14P	Redfish Creek	2104	2025-02-01	193	731	38		85%	16	624	814	529	589	1149	864	23
2D17	Lost Ledge	2050	2025-02-03	179	470			N/A	N/A	428	430	428	430	822	N/A	3
2D18	Purcell	2060	2025-02-03	162	509	31		N/A	N/A	394	442	394	442	760	N/A	3
			Average	119	356	30		77%	24							

Record Low

Record Low

Basin Index Calculation	Average SWE	358
	Average Normal	473
West Kootenay Basin Index - February 1, 2025		76%

Stations used in Basin Index:

2B02A, 2B05, 2B06P, 2B07, 2B08P, 2B09, 2D02, 2D04, 2D06, 2D07A, 2D08P, 2D09, 2D14P

EAST KOOTENAY			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
2C01	SINCLAIR PASS	1370	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	33	102	208	N/A	44
2C04	SULLIVAN MINE	1550	2025-01-30	54	146	27		78%	20	168	214	46	213	397	188	78
2C09Q	Morrissey Ridge	1860	2025-02-01		300			67%	11	254	318	180	439	886	446	41
2C10P	Moyie Mountain	1930	2025-02-01		220			76%	22	138	255	104	269	521	289	45
2C14P	Floe Lake	2090	2025-02-01		315			66%	8	320	311	225	457	750	478	30
2C15	MOUNT ASSINIBOINE	2230	2025-01-28	95	274	29		78%	21	231	271	140	348	592	352	48
2C17	THUNDER CREEK	2010	2025-01-28	57	138	24		79%	22	N	244	69	179	335	174	47
			Average	69	232	27		74%	17							

Basin Index Calculation	Average SWE	232
	Average Normal	321
East Kootenay Basin Index - February 1, 2025		72%

Stations used in Basin Index:

2C04, 2C09Q, 2C10P, 2C14P, 2C15, 2C17

BOUNDARY			February 1, 2025 Data					Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
2E01	MONASHEE PASS	1370	2025-01-26	52	137	26		58%	3	NS	220	103	235	364	236	62
2E02	CARMI	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	51	112	196	N/A	28
2E03	BIG WHITE MOUNTAIN	1680	2025-02-04	101	299	30		91%	38	N	354	178	324	483	329	55
2E07P	Grano Creek	1860	2025-02-01	105	343	33		110%	68	230	441	157	311	476	313	26
2F03AP	McCulloch	1245	2025-02-01	44	244	55		N/A	N/A						N/A	0
			Average	86	260	30		86%	36							

Basin Index Calculation	Average SWE	260
	Average Normal	293
Boundary Basin Index - February 1, 2025		89%

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

OKANAGAN			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020	
															Normal SWE (mm)	Years of Record
2F01AP	Trout Creek West	1420	2025-02-01	46	144	31		N/A	N/A	140	217	114	182	217	N/A	7
2F02	SUMMERLAND RESERVOIR	1280	2025-01-30	57	151	26		93%	40	158	246	65	170	307	163	60
2F03	MCCULLOCH	1280	2025-02-04	52	169	33	NS	134%	88	104	152	57	123	196	126	88
2F04	GRAYSTOKE LAKE	1840	2025-01-30	60	160	27		70%	8	196	254	128	220	330	229	25
2F05P	Mission Creek	1780	2025-02-01	77	222	29		67%	14	245	320	167	310	525	331	54
2F07	POSTILL LAKE	1370	2025-02-03	46	83	18		57%	4	119	138	73	142	243	145	74
2F08P	Greyback Reservoir	1550	2025-02-01	46	124	27		N/A	N/A	148	187	111	157	222	N/A	8
2F09	WHITEROCKS MOUNTAIN	1830	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	135	364	693	379	47
2F09P	Whiterocks Mountain	1800	2025-02-01	116	395	34		N/A	N/A	319	527	319		527	N/A	2
2F10	Silver Star Mountain	1840	2025-02-06	126	394	31		77%	18	388	N	229	480	721	513	59
2F10P	Silver Star Mountain	1839	2025-02-01	131	421	32		N/A	13	416	590	359	513	692	N/A	9
2F11	ISINTOK LAKE	1680	2025-01-31	29	76	26		66%	12	130	126	26	109	307	115	59
2F12	MOUNT KOBAN	1810	2025-01-28	85	273	32		136%	83	151	365	43	207	400	201	58
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	N/A	11
2F18P	Brenda Mine	1460	2025-02-01	63	180	29		76%	21	175	263	152	224	368	238	28
2F19	OYAMA LAKE	1340	2025-01-30	36	112	31		94%	45	116	95	31	115	193	119	56
2F19P	OYAMA LAKE	1360	2025-02-01	42	91	22		N/A	N/A	106	141	106	132	196	N/A	4
2F20	VASEUX CREEK	1400	2025-01-27	41	84	20		92%	36	88	120	44	90	208	91	37
2F23	MACDONALD LAKE	1740	2025-01-31	84	223	27		N/A	12	268	414	132	287	414	N/A	24
2F24	ISLAHT LAKE	1480	2025-01-30	80	200	25		90%	37	217	268	119	217	364	223	42
			Average	68	195	28		88%	31							

Basin Index Calculation	Average SWE	175
	Average Normal	208
Okanagan Basin Index - February 1, 2025		84%

Stations used in Basin Index:
2F02, 2F03, 2F04, 2F05P, 2F07, 2F10, 2F11, 2F12, 2F18P, 2F19, 2F20, 2F24

SIMILKAMEEN			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020	
															Normal SWE (mm)	Years of Record
2G03P	Blackwall Peak	1940	2025-02-01	115	318	28		56%	7	238	358	159	549	1076	564	57
2G04	LOST HORSE MOUNTAIN	1920	2025-01-31	38	82	22		53%	6	131	171	70	150	335	154	62
2G05	MISSEZULA MOUNTAIN	1550	2025-01-31	36	92	26		66%	14	120	143	60	138	284	140	58
2G06	HAMILTON HILL	1490	N	N	N	N	N	N/A	N/A	142	149	91	194	411	203	61
2G06P	Hamilton Hill	1480	2025-02-01	33	116	35		N/A	N/A						N/A	0
			Average	56	152	27		58%	9							

Basin Index Calculation	Average SWE	164
	Average Normal	286
Similkameen Basin Index - February 1, 2025		57%

Stations used in Basin Index:
2G03P, 2G04, 2G05

SOUTH COAST			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
3A01	GROUSE MOUNTAIN	1100	2025-01-29	107	384	36		48%	10	244	658	50	787	1530	802	75
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	437		620	N/A	2
3A09P	Palisade Lake	900	2025-02-01	121				N/A	N/A	18	18	18	595	1027	N/A	6
3A10	DOG MOUNTAIN	1080	2025-01-28	91	352	39		48%	15	207	589	77	735	1243	727	41
3A20P	Callaghan	1017	2025-02-01		342			N/A	N/A	259	343	259	605	759	N/A	6
3A22P	Nostetuko River	1500	2025-02-01	64	155	24		40%	6	174	255	30	385	782	390	33
3A24P	Mosley Creek Upper	1650	2025-02-01	48	119	25		51%	5	172	173	98	217	509	235	35
3A25P	Squamish River Upper	1340	2025-02-01	183	741	40		70%	15	467	750	467	1066	1555	1064	34
3A26	CHAPMAN CREEK	1022	2025-02-05	270	658	24		75%	22	382	653	382	850	1306	880	15
3A27	EDWARDS LAKE	1070	N	N	N	N	N	N/A	N/A	195	204	195	578	944	N/A	13
3A28P	Tetrahedron	1420	2025-02-01	261	1019	39		N/A	N/A	725	730	725	926	1122	N/A	6
			Average	143	471	32		55%	12							

Basin Index Calculation	Average SWE	402
	Average Normal	683
South Coast Basin Index - February 1, 2025		59%

Stations used in Basin Index:
3A01, 3A10, 3A22P, 3A24P, 3A25P, 3A26

VANCOUVER ISLAND			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
3B01	FORBIDDEN PLATEAU	1100	2025-01-28	201	804	40		86%	35	348	776	42	980	1640	931	69
3B02A	MOUNT COKELY	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	234	552	1050	N/A	6
3B04	ELK RIVER	270	2025-01-28	0	0	N/A		0%	N/A	0	0	0	76	544	70	65
3B10	UPPER THELWOOD LAKE	990	2025-01-28	128	500	39		N/A	11	NS	NS	28	843	1534	N/A	19
3B17P	Wolf River Upper	1490	2025-02-01		704			84%	33	458	619	171	835	1383	840	37
3B19	WOLF RIVER (LOWER)	640	N	N	N	N	N	N/A	N/A	0	146	0	244	572	246	51
3B23P	Jump Creek	1160	2025-02-01	113	537	48		84%	39		486	0	678	1367	643	26
3B24P	Heather Mountain Upper	1190	2025-02-01	143	527	37		N/A	13	233	525	233	799	1282	N/A	9
3B26P	Mount Arrowsmith	1465	2025-02-01	152	498	33		N/A	N/A	246	373	246	690	886	N/A	7
			Average	123	510	39		63%	26							

Basin Index Calculation	Average SWE	511
	Average Normal	621
Vancouver Island Basin Index - February 1, 2025		82%

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

CENTRAL COAST			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	Normal SWE (mm)					
3C07	WEDEENE RIVER SOUTH	220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	105	340	497	N/A	13
3C08P	Burnt Bridge Creek	1330	2025-02-01		353			60%	4	405	519	240	536	1119	590	26
			Average	N/A	353	N/A		60%	4							

Basin Index Calculation	Average SWE	353
	Average Normal	590
Central Coast Basin Index - February 1, 2025		60%

Stations used in Basin Index:
3C08P

SKAGIT			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
3D01C	SUMALLO RIVER WEST	790	2025-01-27	0	0		T	0%	N/A	0	95	0	149	368	157	30
3D02	LIGHTNING LAKE	1220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	67	189	242	N/A	4
3D03A	KLESILKWA	1175	2025-01-27	13	32	25		20%	9	0	65	0	188	508	160	66
			Average	7	16	25		10%	9							

Basin Index Calculation	Average SWE	32
	Average Normal	160
Skagit Basin Index - February 1, 2025		20%

Stations used in Basin Index:
3D01C, 3D03A

PEACE			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
4A02P	Pine Pass	1400	2025-02-01		801			104%	50	572	646	469	801	1257	772	32
4A03P	Ware Upper	1565	2025-02-01		142			N/A	N/A	106	145	106	149	182	N/A	8
4A04P	Ware Lower	971	2025-02-01		123			N/A	N/A	129	145	89	145	168	N/A	8
4A07	LADY LAURIER LAKE	1440	2025-01-28	92	250	27		68%	7	292	N	224	334	679	369	52
4A09P	Pulpit Lake	1311	2025-02-01		170			55%	0	277	226	182	320	463	310	34
4A10	FREDRICKSON LAKE	1325	2025-02-01	68	143	21		81%	27	152	143	105	159	309	176	56
4A10P	Fredrickson Lake	1326	2025-02-01		165			N/A	N/A	193		193	193	193	N/A	1
4A11	TRYGVE LAKE	1410	2025-02-01	79	180	23		70%	3	247	187	160	236	434	258	53
4A12P	Tsaydaychi Lake	1195	2025-02-01		243			N/A	N/A	218	250	218	254	371	N/A	4
4A13P	Philip Lake	1028	2025-02-01		202			N/A	N/A	151	172	151	199	250	N/A	5
4A18P	MOUNT SHEBA	1484	2025-02-01		664			N/A	N/A	419		419	724	814	N/A	5
4A20P	Monkman Creek	1570	2025-02-01		325			N/A	N/A	219	223	219	277	397	N/A	6
4A21	MOUNT STEARNS	1505	2025-01-28	40	80	20		80%	30	N	107	40	98	196	100	49
4A25	FORT ST. JOHN A	690	2025-01-30	51	92	18	A	111%	69	42	80	22	71	154	83	50
4A27P	Kwadacha North	1554	2025-02-01		199			88%	28	197	197	137	221	371	227	34
4A30P	Aiken Lake	1050	2025-02-01		134			71%	14	192	167	100	185	330	188	37
4A31P	Crying Girl Prairie	1358	2025-02-01		130			N/A	20	99	194	99	165	194	N/A	9
4A33P	Muskwa-Kechika	1196	2025-02-01		113			N/A	N/A	59	125	59	88	125	N/A	8
4A34P	Dowling Creek	1456	2025-02-01		348			N/A	N/A	126	1023	114	842	1096	N/A	8
4A36P	Parsnip Upper	790	2025-02-01		258			N/A	N/A	100	146	100	257	305	N/A	6
4A37P	McQue Terrace	1200	2025-02-01		111			N/A	N/A	83	111	57	97	111	N/A	5
4A38P	Horn Creek	1450	2025-02-01		196			N/A	N/A	238	235	235	238	238	N/A	2
4A39P	Chowade Upper	1480	2025-02-01		92			N/A	N/A	66		66		66	N/A	1
			Average	66	224	22		81%	25							

Record Low

Basin Index Calculation	Average SWE	228
	Average Normal	276
Peace Basin Index - February 1, 2025		83%

Stations used in Basin Index:
4A02P, 4A07, 4A09P, 4A10, 4A11, 4A21, 4A25, 4A27P, 4A30P

SKEENA-NASS			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
4B01	KIDPRICE LAKE	1370	2025-01-31	148	422	29		62%	2	459	551	403	595	1220	678	64
4B02	JOHANSON LAKE	1420	2025-02-01	67	137	20		65%	6	173	185	115	191	355	209	54
4B02P	Johanson Lake	1467	2025-02-01		141			N/A	N/A	217	203	203		217	N/A	2

4B03A	HUDSON BAY MTN.	1480	2025-01-30	107	294	27		80%	17	228	322	210	340	665	367	53
4B04	CHAPMAN LAKE	1460	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B06	TACHEK CREEK	1140	NS	NS	NS	NS	NS	N/A	N/A	N	N	99	156	298	159	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
4B11A	BEAR PASS	460	2025-01-27	82	230	28		55%	4	300	430	192	415	821	422	34
4B13A	TERRACE AIRPORT	180	2025-02-03	0	0	N/A	T	0%	N/A	0	57	0	117	330	124	44
4B14	EQUITY MINE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	174	246	444	N/A	13
4B15	LU LAKE	1300	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	134	200	352	N/A	12
4B15P	Lu Lake	1300	2025-02-01	64	158	25		77%	15	134	222	94	206	353	206	27
4B16P	Shedin Creek	1480	2025-02-01	140	368	26		66%	7	443	455	262	550	877	555	28
4B17P	Tsai Creek	1360	2025-02-01	160	592	37		75%	12	592	586	423	741	1482	790	27
4B18P	Cedar-Kiteen	885	2025-02-01	125	350	28		79%	44	298	462	233	398	847	446	22
Average				99	269	28		62%	13							

Basin Index Calculation	Average SWE	283
	Average Normal	422
Skeena-Nass Basin Index - February 1, 2025		67%

Stations used in Basin Index:
4B01, 4B02, 4B03A, 4B11A, 4B13A, 4B15P, 4B16P, 4B17P, 4B18P

LIARD			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
4C01P	Sikanni Lake	1387	2025-02-01		184			N/A	N/A	139	165	94	186	237	N/A	8
4C02	SUMMIT LAKE	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	36	74	146	N/A	21
4C05	FORT NELSON AIRPORT	380	2025-01-30	44	71	16		108%	46	44	45	35	76	128	66	57
4C20P	Sierra Climate	572	2025-02-01		85			N/A	N/A	50	65	35	57	117	N/A	6
4C21P	Two Island Climate	708	2025-02-01		107			N/A	N/A	62	44	43	66	153	N/A	6
Average				44	112	16		108%	46							

Basin Index Calculation	Average SWE	71
	Average Normal	66
Liard Basin Index - February 1, 2025		108%

Stations used in Basin Index:
4C05

STIKINE			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
4D10P	Tumeka Creek	1220	2025-02-01	143	328	23		80%	31	367	273	212	398	744	408	27
4D11P	Kinaskan Lake	1020	2025-02-01	84	215	26		79%	31	N	190	113	253	516	273	26
4D16P	Forrest Kerr Mid Elevation Snow	1192	2025-02-01	198	577	29		N/A	50	739	577	424	577	829	N/A	9
4D17P	Forrest Kerr High Elevation Snow	1622	2025-02-01	294	918	31		N/A	72	1095	802	502	802	1290	N/A	9
Average				180	510	N/A		80%	46							

Basin Index Calculation	Average SWE	272
	Average Normal	341
Stikine Basin Index - February 1, 2025		80%

Stations used in Basin Index:
4D10P, 4D11P

NORTHWEST			February 1, 2025 Data				Feb 1, 2025 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 (1991-2020)	Percentile of Historic Record	2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
4E01	LOG CABIN	900	2025-01-30	97	259	27	NS	N/A	N/A	NS	NS	277		277	N/A	1

4E01P	Log Cabin	890	2025-02-01	94	266	28	N/A	N/A	367	N/A	1			
4E02B	ATLIN LAKE	730	NS	NS	NS	NS	N/A	N/A	NS	NS	50	104	N/A	2
			Average	96	263	27	N/A	N/A						

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Northwest Basin Index - February 1, 2025		N/A

Stations used in Basin Index:
N/A

BRITISH COLUMBIA

Basin Index Calculation	Average SWE	314
	Average Normal	436
British Columbia Basin Index - February 1, 2025		72%

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