

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

The March 1st snow survey is now complete. Data from 95 manual snow courses and 111 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 March 1st, the provincial snowpack is below normal, averaging 73% of normal (27% below normal), remaining similar to the 72% on Feb 1st.
- The snowpack is higher than March 1st, 2024 when the B.C. average was 66% of normal.
- The Fraser River at Hope snow index is below normal at 74%.
- Due to low snow conditions, below normal freshet flood hazard is expected this season.
- Low snowpack and seasonal runoff forecasts combined with warm seasonal weather forecasts and lingering impacts from on-going drought are pointing towards elevated drought hazards for this upcoming spring and summer.
- By early March, approximately 80% of the annual B.C. snowpack typically accumulates.
- There are still four to eight weeks left in the snow accumulation season. While conditions may change slightly over this period, current trends in low snowpack are expected to persist.

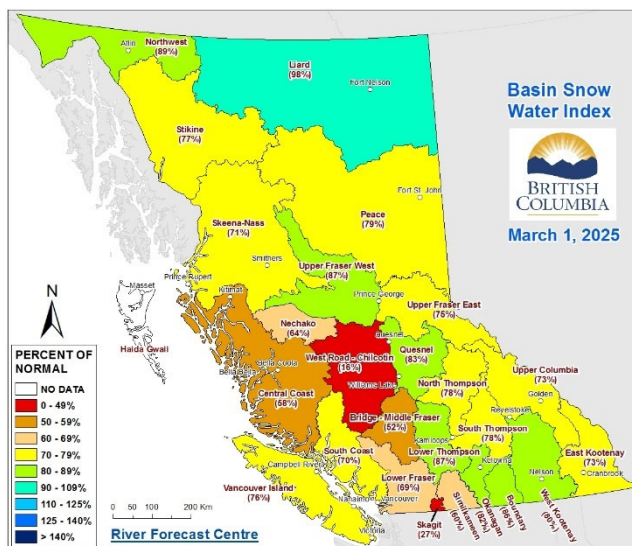


Figure 1. March 1st, 2025 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

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

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	87	North Thompson	78	South Coast	70
Upper Fraser East	75	South Thompson	78	Vancouver Island	76
Nechako	64	Fraser River	71	Central Coast	58
Middle Fraser	66	Upper Columbia	73	Skagit	27
Lower Thompson*	87	West Kootenay	80	Peace	79
Bridge*	52	East Kootenay	73	Skeena-Nass	71
Chilcotin*	16	Boundary	86	Liard	98
Quesnel*	83	Okanagan	82	Stikine	77
Lower Fraser	69	Similkameen	60	Northwest	89
		Nicola	71	Fraser R. @ Hope	74
British Columbia 73% of Normal					

Next scheduled snow bulletin release: April 9th-10th, 2025

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Weather

February temperatures were below normal across British Columbia, averaging -1.5°C to -6.0°C below normal for the entire month. The regions with the greatest temperature anomalies (-5.0°C to -6.0°C) were in the north. Coastal regions were the closest to normal with mean temperature anomalies at -1.5°C to -2.0°C below normal.

Precipitation was generally well below normal for most of February due to cold and relatively stable weather conditions. A series of Pacific frontal systems impacted the province in the

final week of the month, particularly southern regions, increasing precipitation totals to near normal. Northern interior regions measured below normal precipitation for February.

Weather during the first week of March was generally benign with slightly above normal temperatures and dry conditions. An atmospheric river over the weekend of March 7-9 brought large amounts of mountain snowpack to much of the province. The upcoming 5-day weather forecast shows potential for additional precipitation.

Snowpack

Snow Basin Indices (SBI) for March 1st, 2025 ranged from a low of 16% of normal in the Chilcotin to a high of 98% in the Liard (Table 1, 2 and Figure 1, 4, 5). Overall, the provincial snowpack is below normal for March 1st, with the average of all snow measurements at 73% of normal (27% below normal). The snowpack stayed relatively level compared to the provincial average for February 1st, 2025 at 72%.

Snowpack changes compared to February 1st (Table 2) were variable amongst the regions with a mix of marginal increases and decreases. The regions with greater than 10 percentage point increases were the Lower Thompson and South Coast, whereas the regions with greater than 10 percentage point

decreases compared to February were the Liard and Chilcotin.

Regions with slightly below normal snowpacks (85-100%) include the Upper Fraser West, Lower Thompson, Boundary, Liard and Northwest. Below normal snowpacks (65-85%) were measured for the Upper Fraser East, Quesnel, Lower Fraser, North Thompson, South Thompson, Upper Columbia, West Kootenay, East Kootenay, Okanagan, South Coast, Vancouver Island, Peace, Skeena-Nass and Stikine. Well below normal snowpacks (<65%) exist for the Nechako, Bridge, Chilcotin, Similkameen, Central Coast and Skagit.

Last year, the March 1st average of all snow stations in British Columbia was lower at 66% of

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normal (Table 3). Snow basin indices are higher in most regions of the province compared to 2024. Notable regions lower this season compared to last year include the Nechako, Bridge, Chilcotin, South Thompson, East Kootenay, Stikine and Northwest.

The River Forecast Centre calculates an additional SBI for the Fraser River at Hope based on each basin's contribution to the total annual flow of the river. For example, the Upper

Fraser East contributes approximately 30% of the total flow for the Fraser River at Hope, the North Thompson about 16%, the South Thompson about 11% and the Quesnel approximately 9%. The Fraser River at Hope Snow Basin Index is 74% of normal for March 1st (2024: 70%).

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 – March 1st, 2025 compared to February 1st, 2025

Basin	March 1 st % of Normal (Feb 1 st)	Percentage Point Change Feb 1 to Mar 1	Basin	March 1 st % of Normal (Feb 1 st)	Percentage Point Change Feb 1 to Mar 1
Fraser River Region			Columbia Region		
Upper Fraser East	75 (81)	↓ -6	Upper Columbia	73 (71)	↑ +2
Upper Fraser West	87 (92)	↓ -5	West Kootenay	80 (76)	↑ +4
Nechako	64 (58)	↑ +6	East Kootenay	73 (72)	↑ +1
Middle Fraser	66 (64)	↑ +2	Boundary	86 (89)	↓ -3
Lower Thompson*	87 (42)	↑ +45	Okanagan	82 (84)	↓ -2
Bridge*	52 (52)	0	Similkameen	60 (57)	↑ +3
Chilcotin*	16 (31)	↓ -15	Northern Region		
Quesnel*	83 (87)	↓ -4	Peace	79 (83)	↓ -4
Lower Fraser	69 (73)	↓ -4	Skeena-Nass	71 (67)	↑ +4
North Thompson	78 (83)	↓ -5	Liard	98 (108)	↓ -10
South Thompson	78 (78)	0	Stikine	77 (80)	↓ -3
Coastal Region			Northwest	89 (N/A) ^a	N/A ^a
South Coast	70 (59)	↑ +11	Additional		
Vancouver Island	76 (82)	↓ -6	Fraser River	71 (72)	↓ -1
Central Coast	58 (60)	↓ -2	Fraser R @ Hope	74 (N/A) ^a	N/A ^a
Skagit	27 (20)	↑ +7	Nicola	71 (N/A) ^a	N/A ^a
British Columbia 73 (72) ↑ +1					

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

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

Basin	March 1 st % of Normal (2024 value)	Percentage Point Change 2024 to '25	Basin	March 1 st % of Normal (2024 value)	Percentage Point Change 2024 to '25
Fraser River Region			Columbia Region		
Upper Fraser East	75 (52)	↑ +23	Upper Columbia	73 (70)	↑ +3
Upper Fraser West	87 (79)	↑ +8	West Kootenay	80 (72)	↑ +8
Nechako	64 (68)	↓ -4	East Kootenay	73 (81)	↓ -8
Middle Fraser	66 (64)	↑ +2	Boundary	86 (87)	↓ -1
Lower Thompson*	87 (70)	↑ +17	Okanagan	82 (80)	↑ +2
Bridge*	52 (63)	↓ -9	Similkameen	60 (62)	↓ -2
Chilcotin*	16 (67)	↓ -51	Northern Region		
Quesnel*	83 (63)	↑ +22	Peace	79 (70)	↑ +9
Lower Fraser	69 (61)	↑ +8	Skeena-Nass	71 (62)	↑ +9
North Thompson	78 (76)	↑ +2	Liard	98 (N/A)	N/A ^a
South Thompson	78 (90)	↓ -12	Stikine	77 (84)	↓ -7
Coastal Region			Northwest	89 (114)	↓ -25
South Coast	70 (40)	↑ +30	Additional		
Vancouver Island	76 (46)	↑ +30	Fraser River	71 (68)	↑ +3
Central Coast	58 (56)	↑ +2	Fraser R @ Hope	74 (70)	↑ +4
Skagit	27 (30)	↓ -3	Nicola	71 (71)	0
British Columbia 73 (66) ↑ +7					

^a No snow surveys for March 1st in 2024

* Sub-region of the Middle Fraser

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

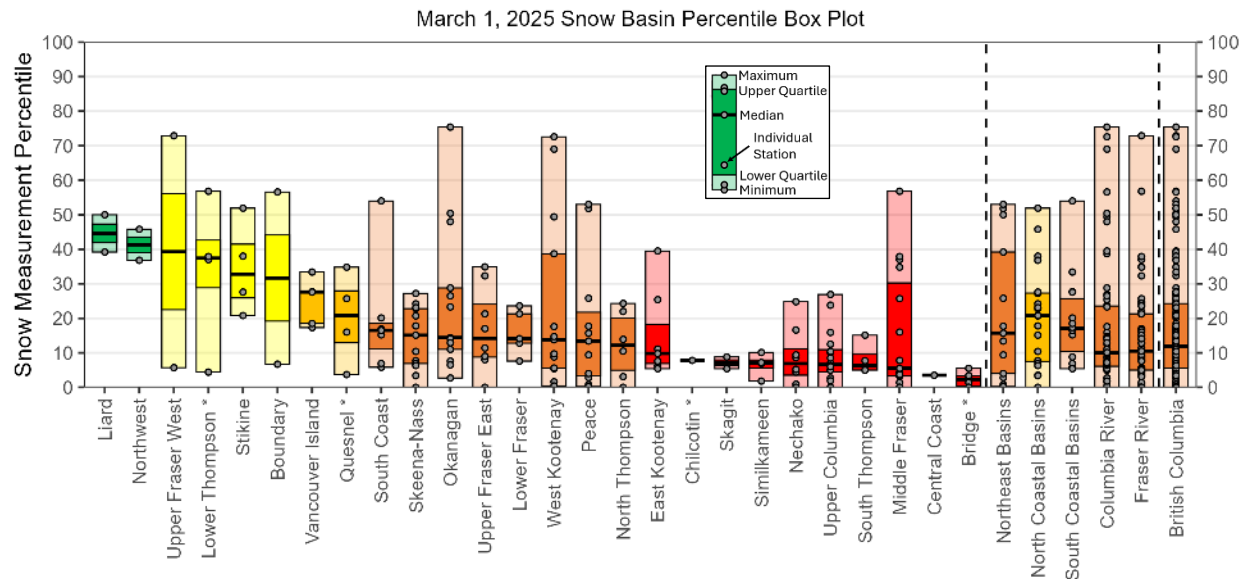
- 1A01P Yellowhead: 270 mm SWE (62% of normal) - 27 years (Upper Fraser East)
- 1B02P Tahtsa Lake: 661 mm SWE (61% of normal) - 30 years (Nechako)
- 1C38P Downton Lake Upper: 465 mm SWE - 9 years (Bridge / Middle Fraser)
- 1C40P North Tyaughton: 262 mm SWE - 9 years (Bridge / Middle Fraser)
- 1E01B Blue River: 142 mm SWE (49% of normal) - 41 years (North Thompson)
- 2A31P Caribou Creek: 533 mm SWE - 9 years (Upper Columbia)
- 2A32P Wildcat Creek: 378 mm SWE - 9 years (Upper Columbia)
- 4B02 Johanson Lake: 144 mm SWE (57% of normal) - 60 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 Liard (45th percentile), while the lowest is

the Bridge (2nd), 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.

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



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 the first half of February due to prolonged dry weather conditions. Nearly 75% of ASWS were below normal (<40th percentile) at the start of February and by March 1st that increased to approximately 85%. Well below (<20th percentile) increased from 40% of stations on February 1st to nearly 60% by March 1st.

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.

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

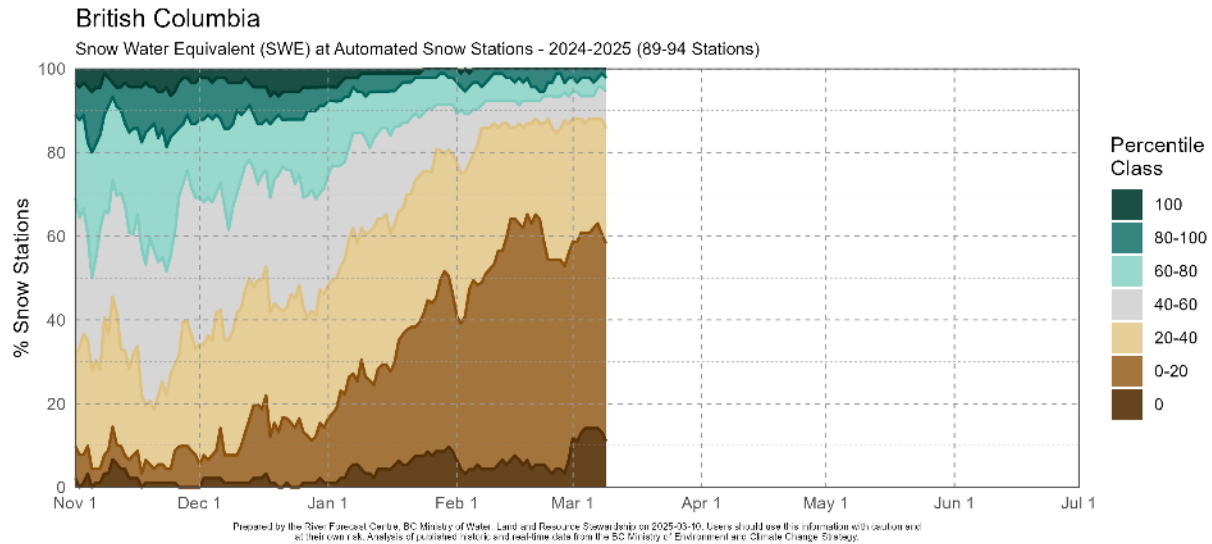
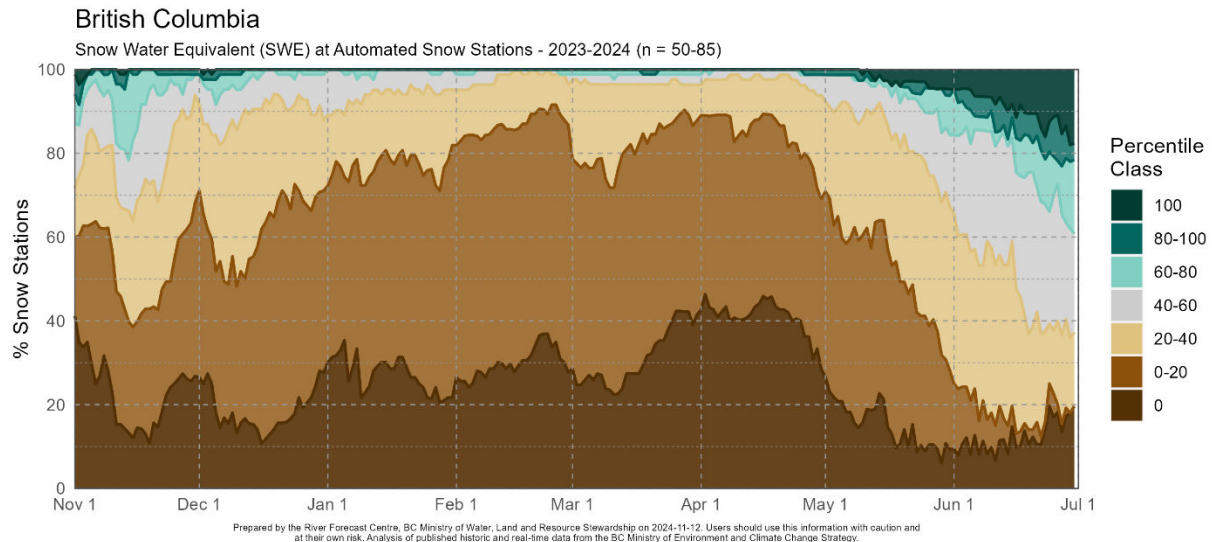


Figure 4. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2023-2024)



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. As of February 13th, 2025, La Niña conditions are expected to transition to ENSO-neutral during March to May 2025 (66% 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. The April 1st snowpack is often above normal, particularly for the South Coast and southern Interior; this season has not followed

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the typical La Niña trends. La Niña conditions that persist into the spring can lead to late-season snow accumulation and delayed snow-melt, which increases the risk for freshet flooding.

Seasonal weather forecasts in late February by ECCC indicate a greater likelihood of above normal temperatures for B.C. from March through May 2025, except for Vancouver

Island which did not display a forecast trend. Precipitation, which is more difficult than temperature to predict at a seasonal scale, is showing a greater likelihood of above normal precipitation for March through May 2025 for areas on north Vancouver Island, the Central Coast, Omineca, and Peace. The rest of the province is not showing a statistical trend in the forecast.

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 Cowichan Lake. Below normal (60-80%) flows are forecast for the Bulkley River and Similkameen River at Hedley. Well

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

Flood and Drought Outlook

By early March, approximately 80% of the annual B.C. snowpack typically accumulates. With another four to eight weeks 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.

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.

With below normal snowpack across most regions of the province, seasonal flood hazards are expected to be reduced this season. Exceptions include basins that are near normal like the Liard (98%), Lower Thompson (87%), Northwest (89%) and Boundary (86%). If near normal snowpack levels persist, a

The current low provincial low snowpack (73% 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 (<65%), including the Nechako, Bridge,



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Chilcotin, Similkameen, Central Coast and Skagit as outlined under the early season

drought indicators in the [B.C. Drought and Water Scarcity Response Plan](#).

Summary

By early March, approximately 80% of the annual B.C. snowpack typically accumulates. Snowpack throughout the province ranges from 16 to 98% of normal across regions. The average for all snow measurements in the province on March 1st is 73% of normal (27% below normal). During the first week of March, snow at the automated snow weather stations accumulated at a below-seasonal rate before a large amount of mountain snow occurred on the weekend of March 7-9.

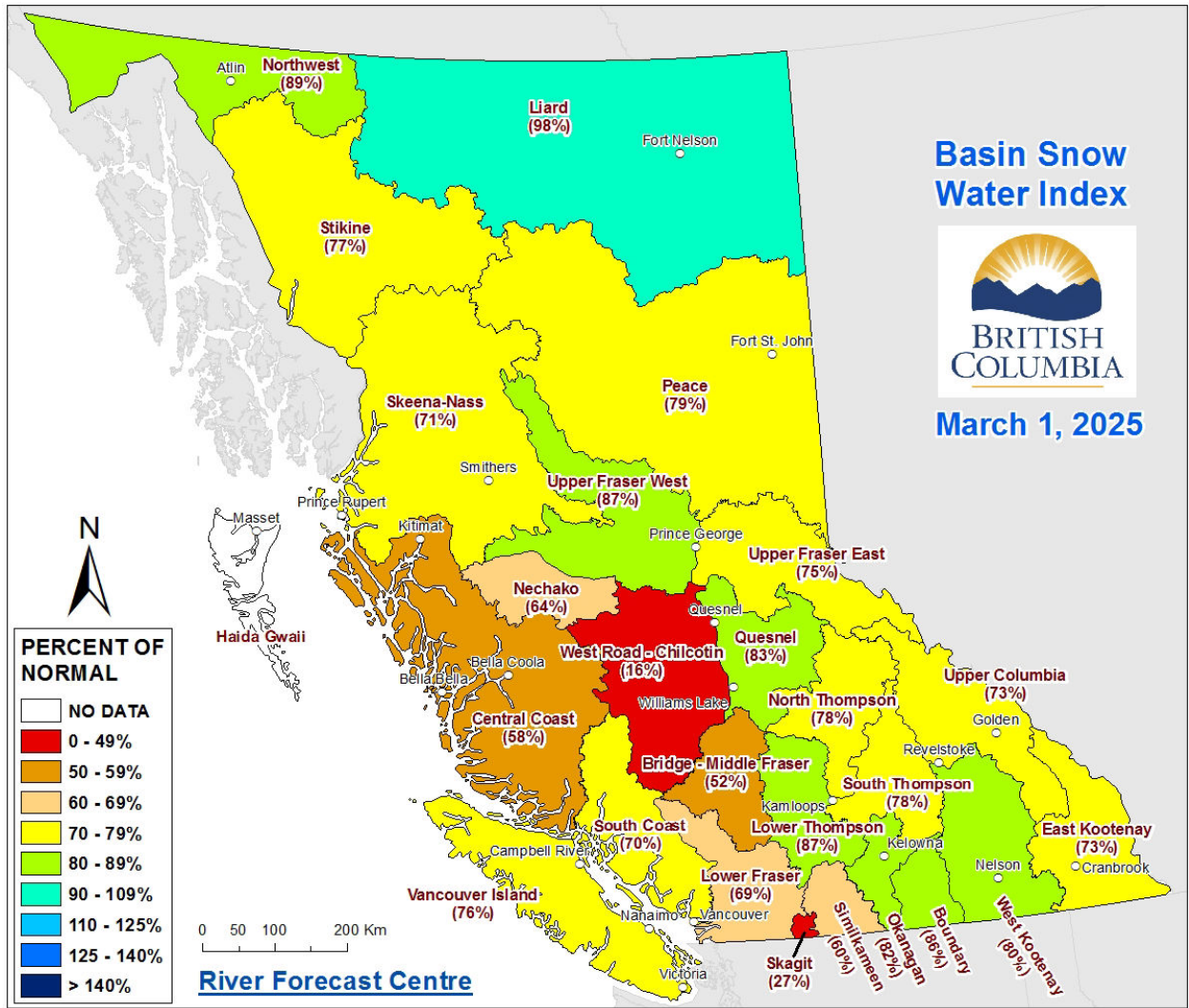
Regions with near normal snowpack levels have an increased risk for spring snowmelt related flooding, especially if La Niña conditions persist. Areas with below normal snowpacks show early concerns for drought conditions amplifying in the spring and summer. With four to eight weeks left for snow accumulation, 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 April 1st, 2025 bulletin scheduled for release on April 9th or 10th.

River Forecast Centre
March 11, 2025

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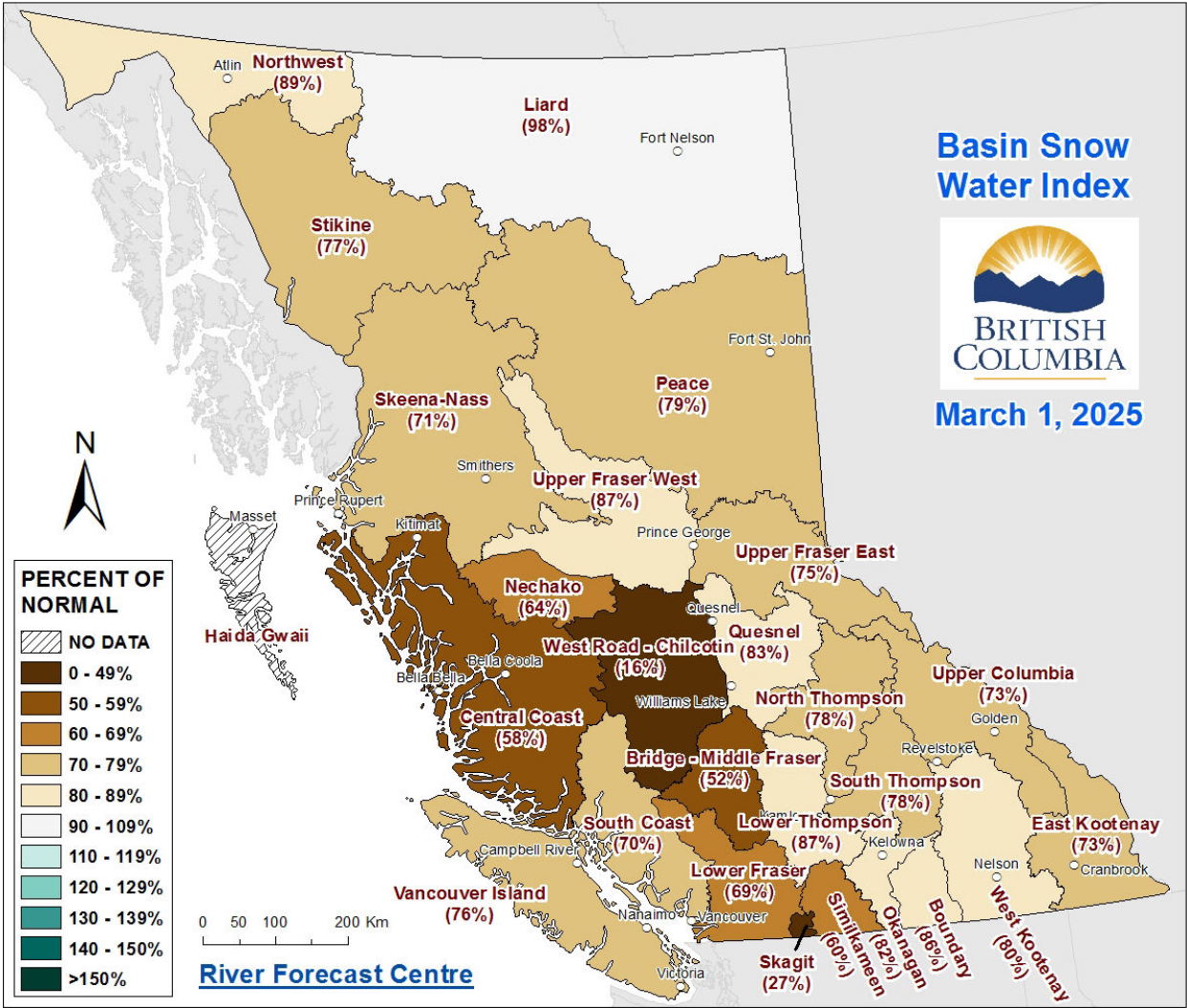
Figure 5: Basin Snow Water Index – March 1st, 2025



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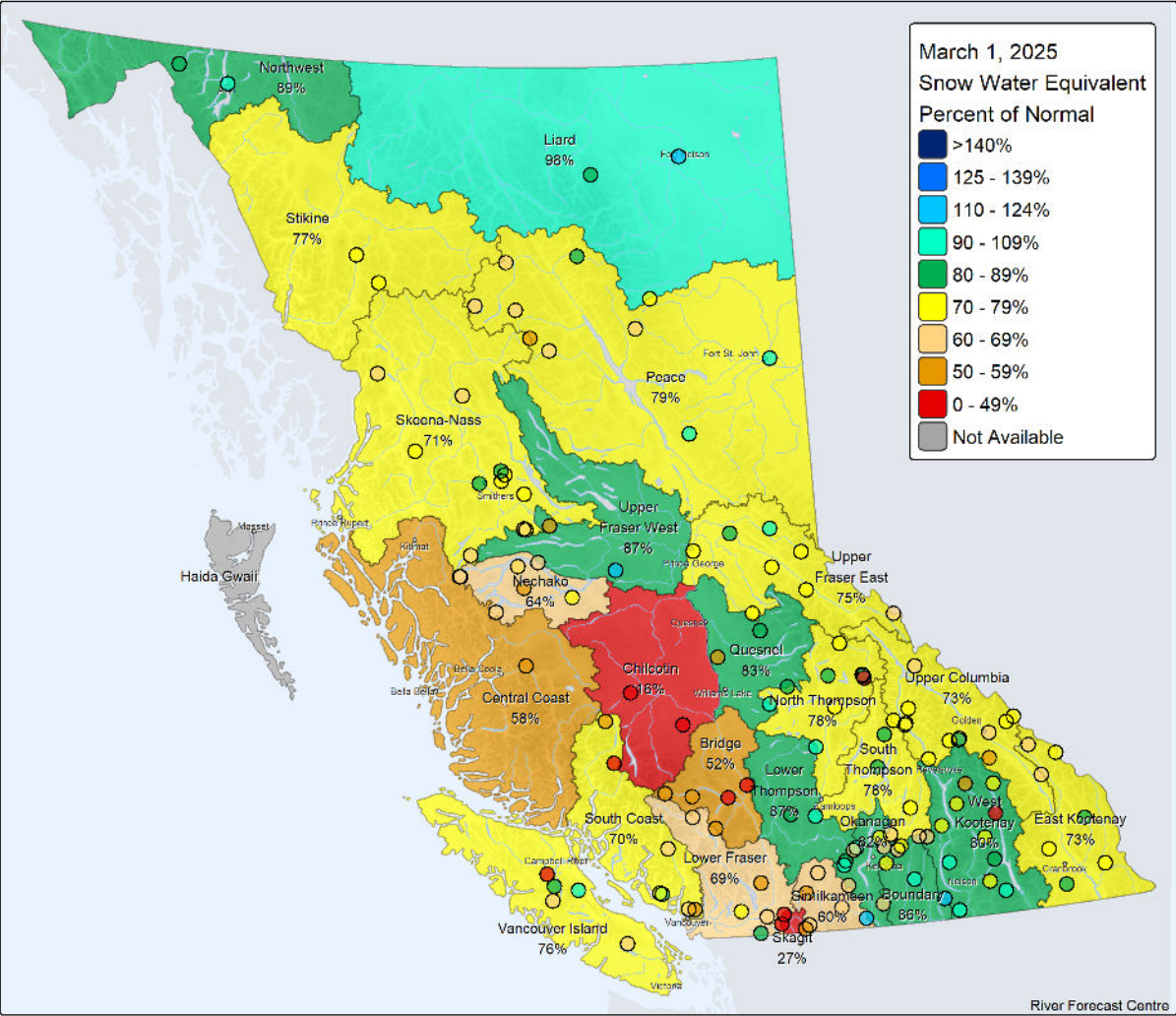
Figure 6: Basin Snow Water Index – March 1st, 2025 – Colour Friendly



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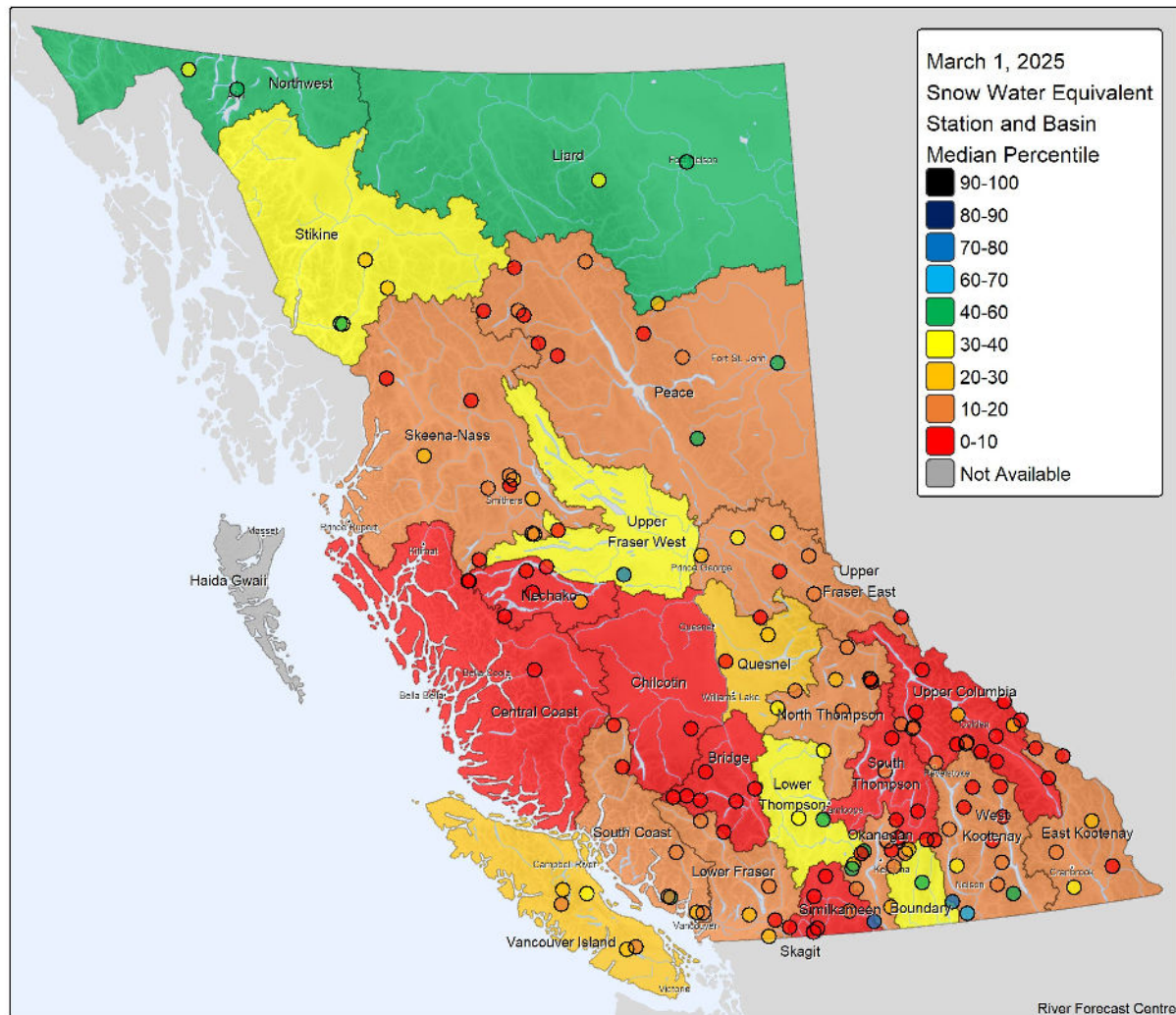
Figure 7 - B.C. Snow Station Map – Percent of Normal – March 1, 2025



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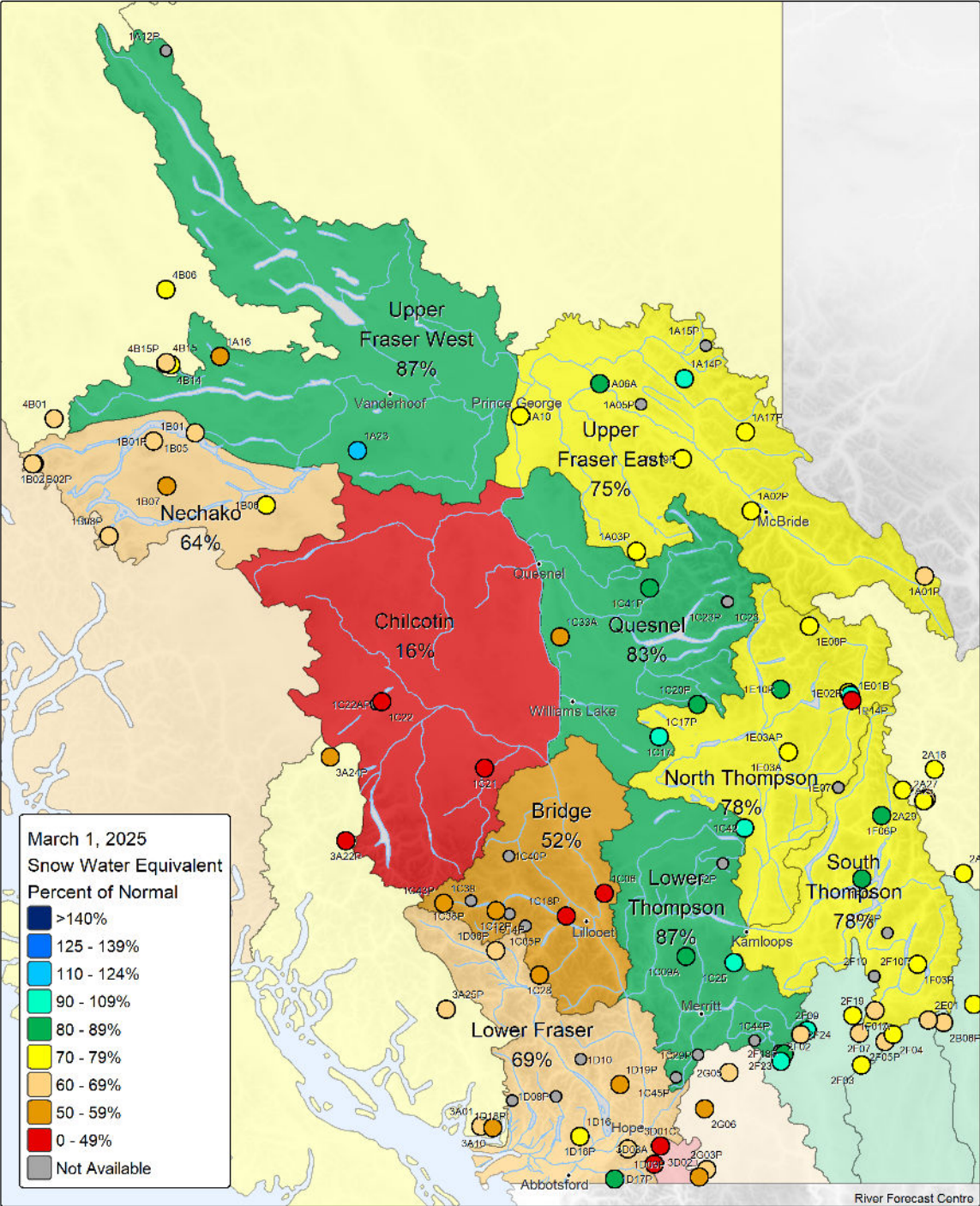
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Figure 8 - B.C. Snow Station Map - Percentile - March 1, 2025



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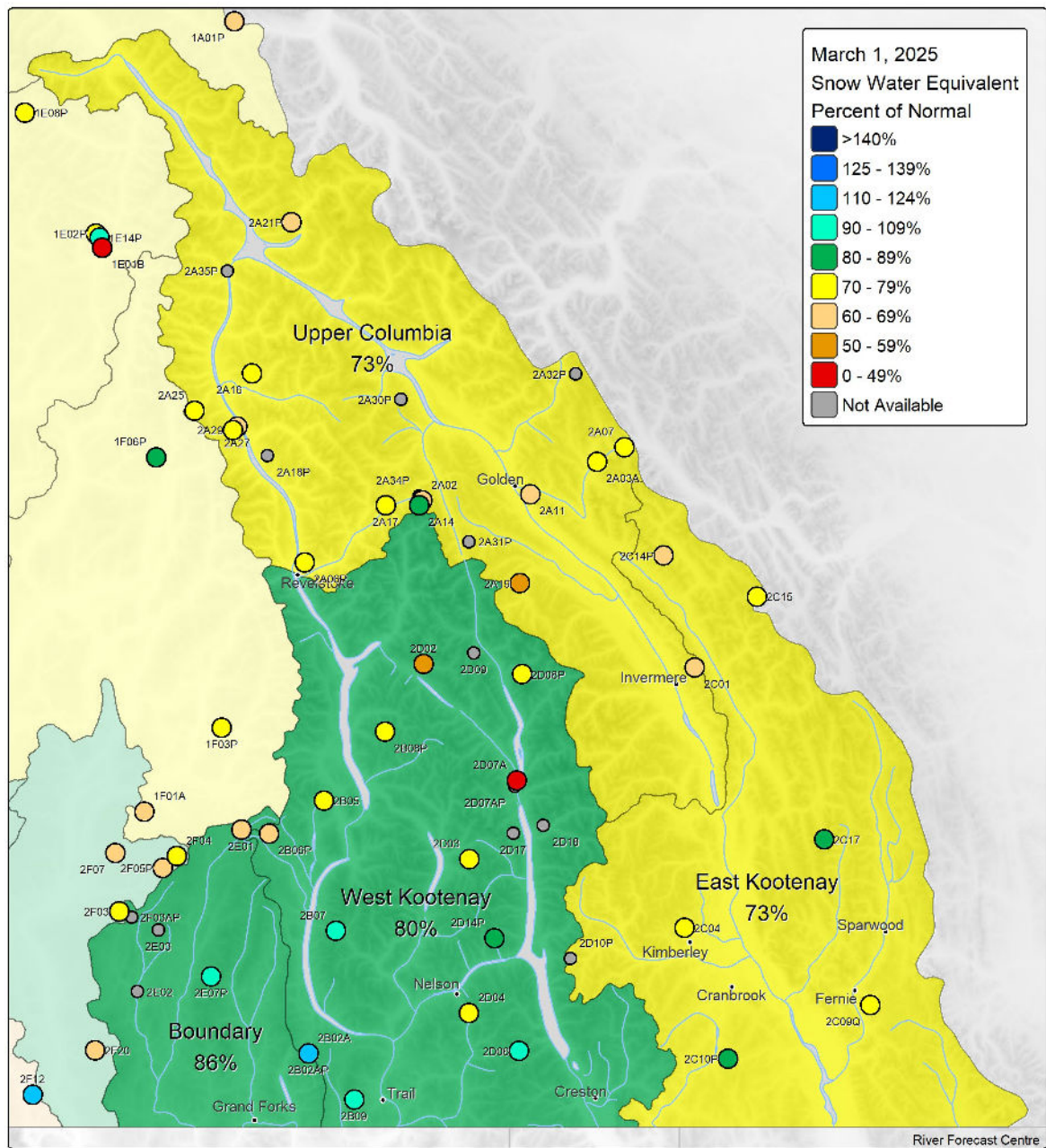
Figure 9 - Fraser River Snow Station Map - % of Normal – March 1, 2025



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Figure 10 - Kootenay/Columbia Snow Station Map - % of Normal – March 1, 2025

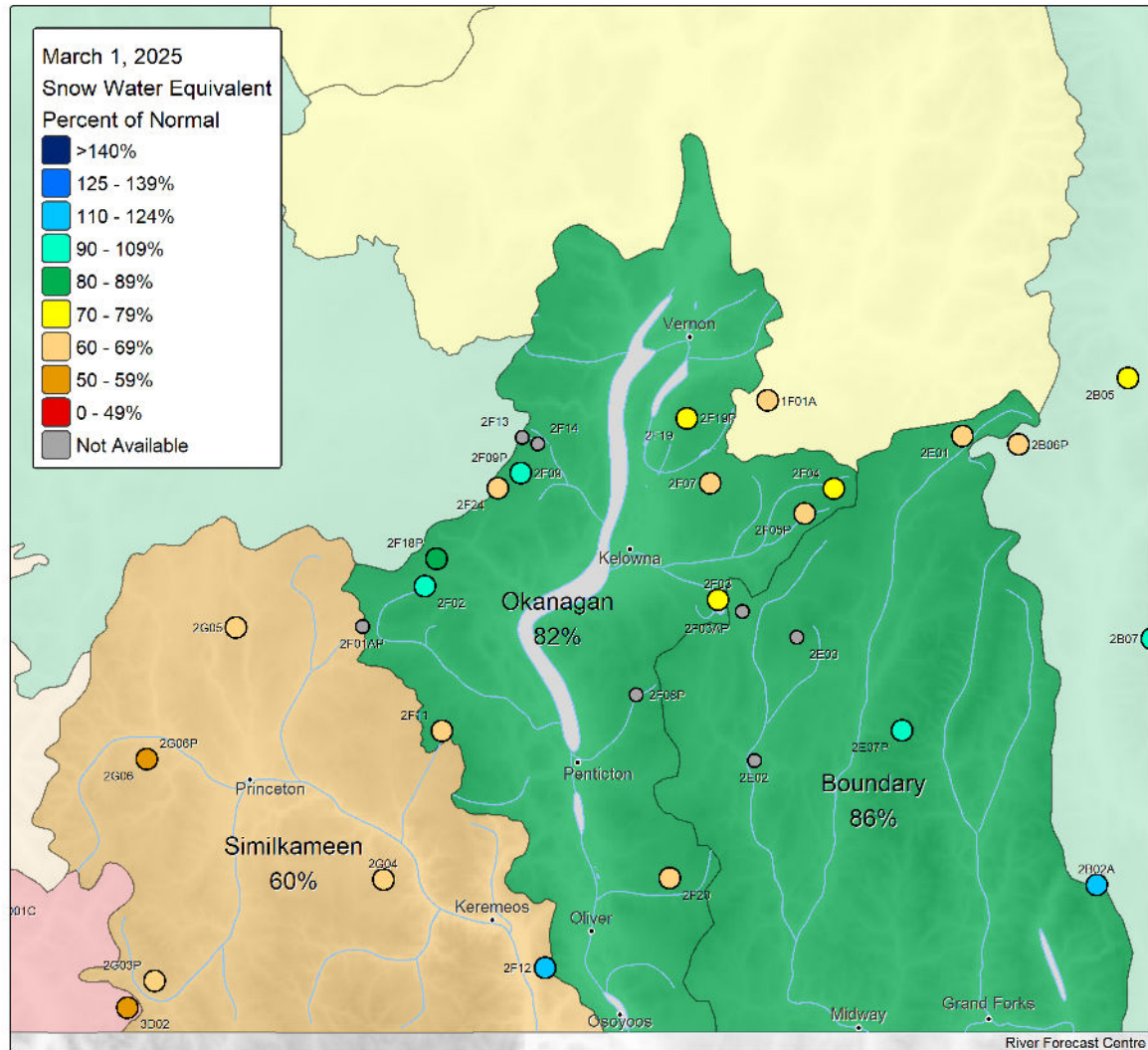


Note: 'Not Available' data could be the result of no scheduled sample, sampling problems, insufficient years or data to calculate a statistic, or other issues.

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

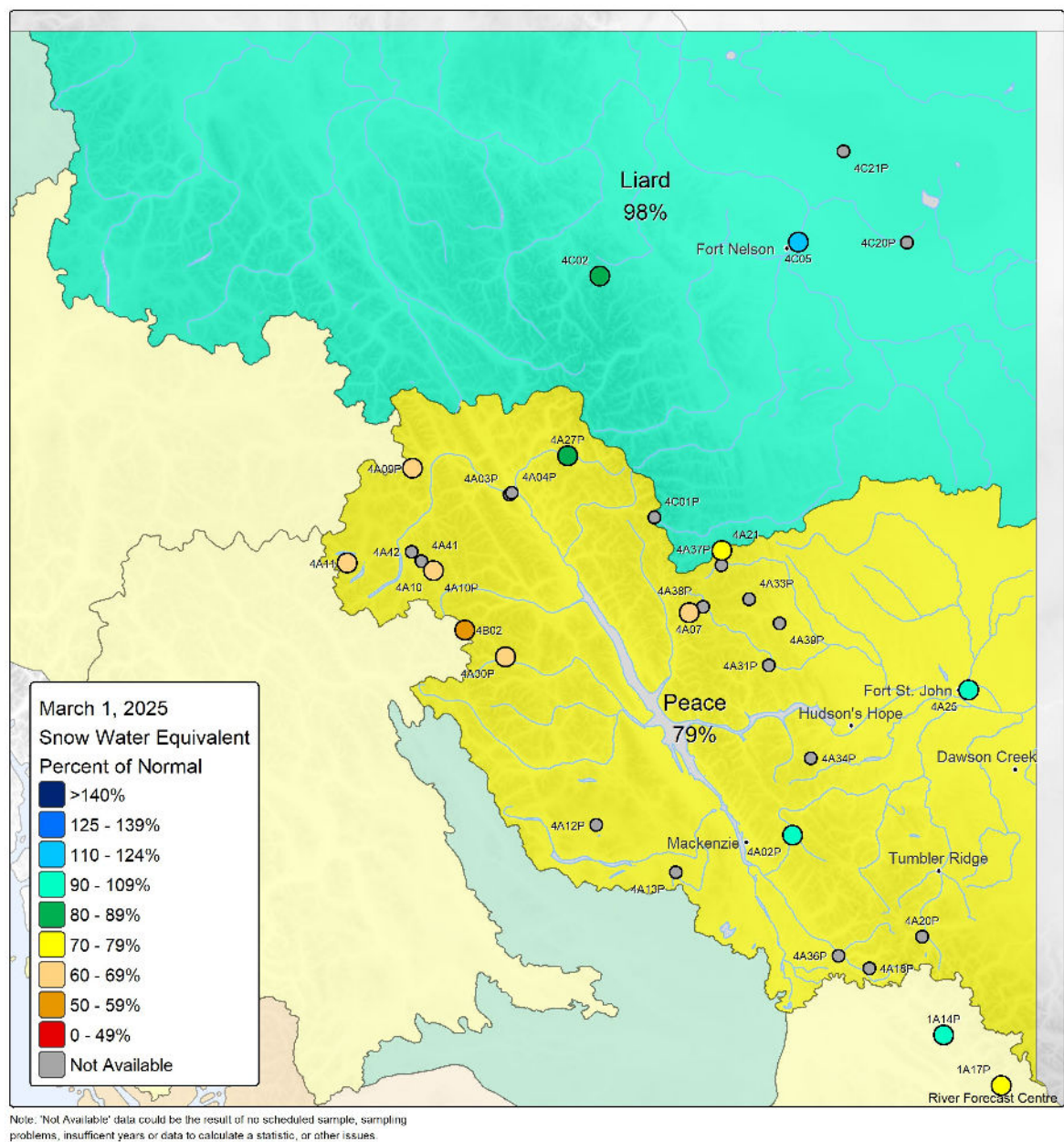


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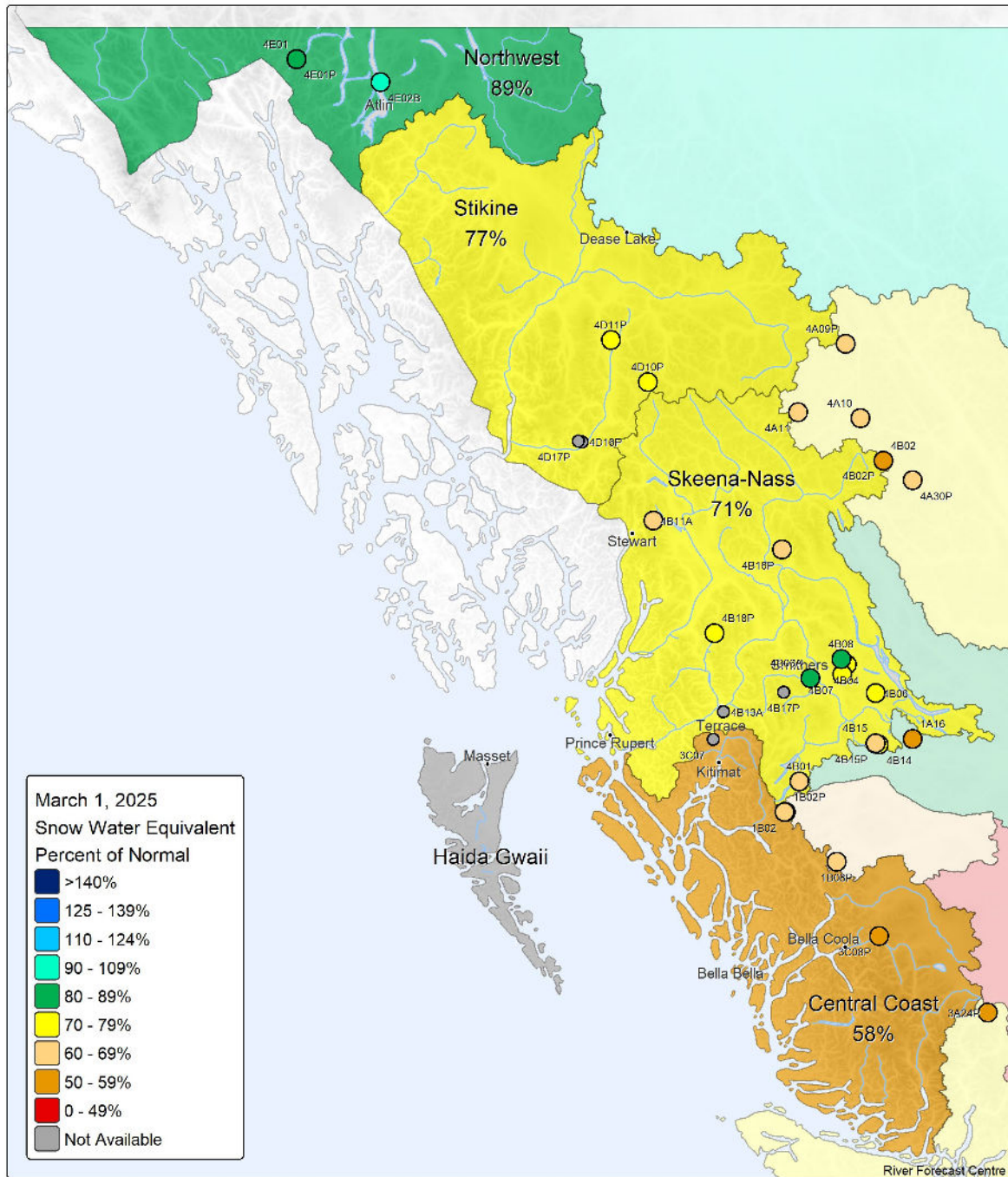
Figure 13 - Northeast Snow Station Map - % of Normal – March 1, 2025



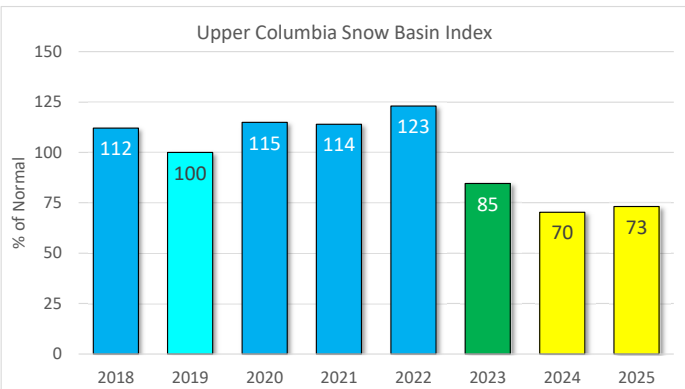
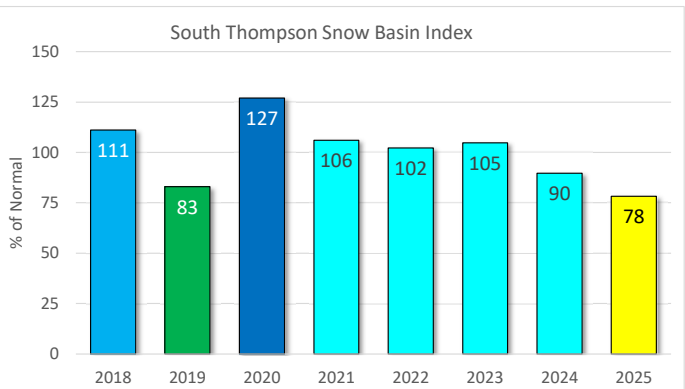
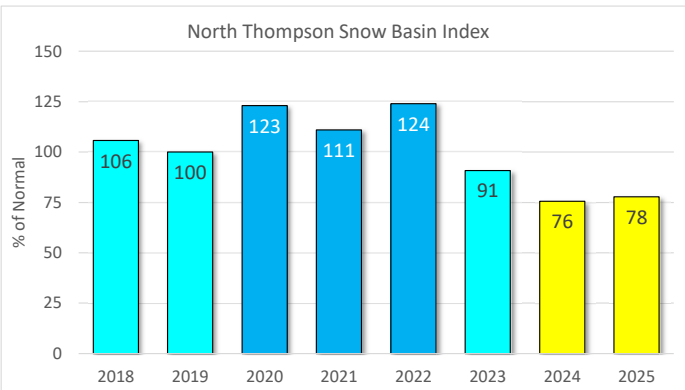
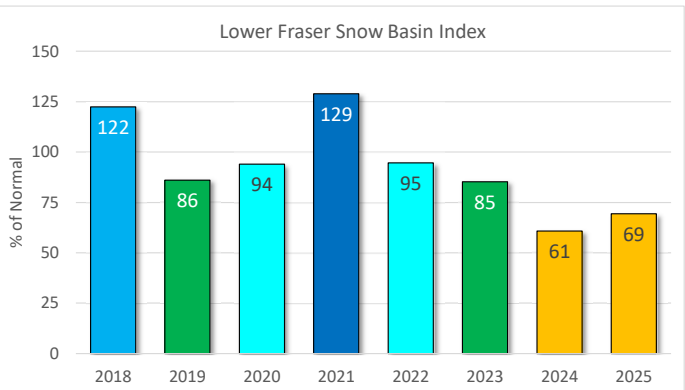
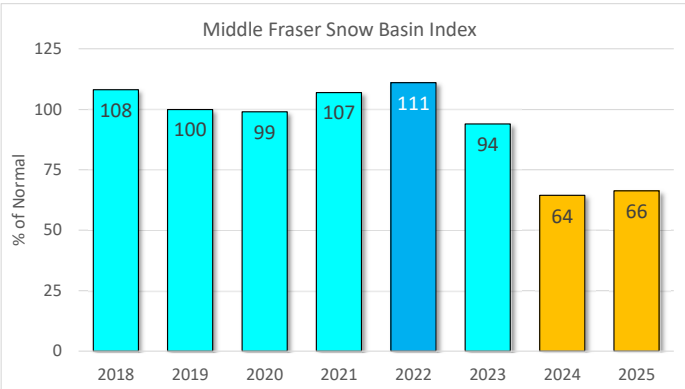
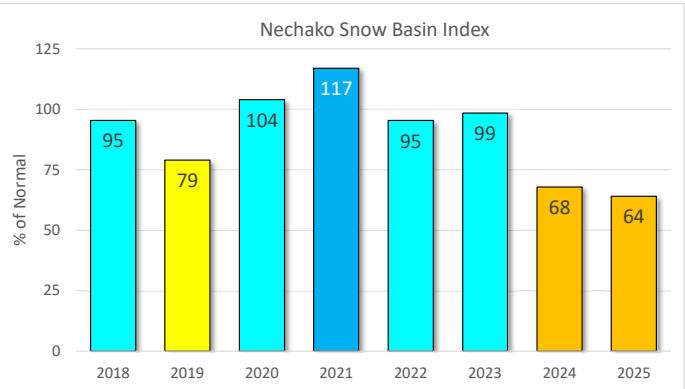
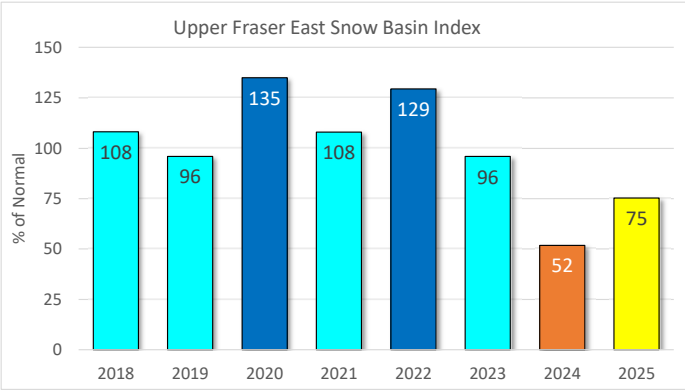
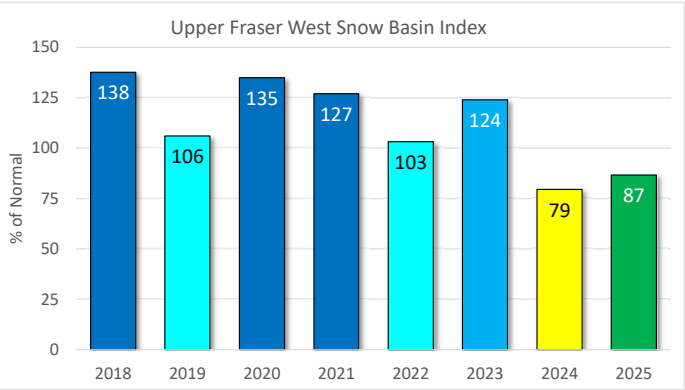
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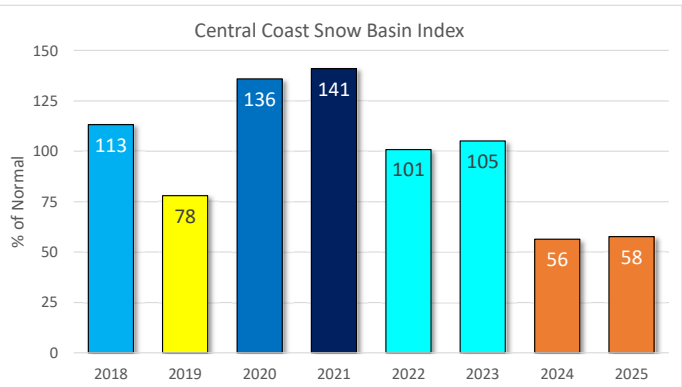
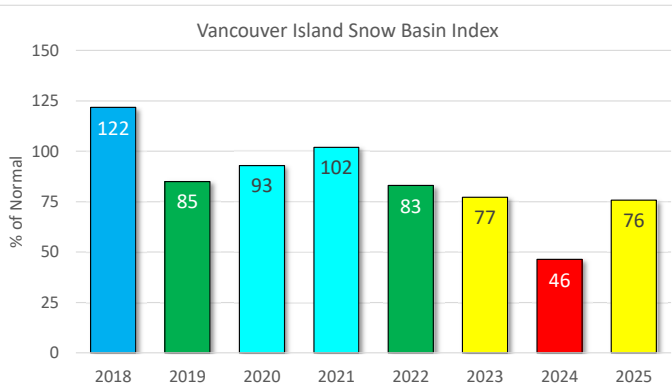
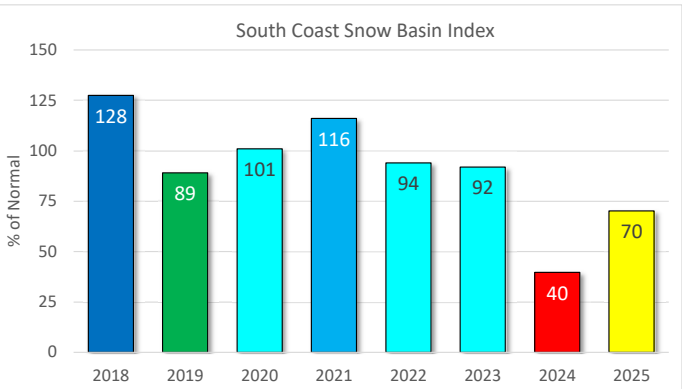
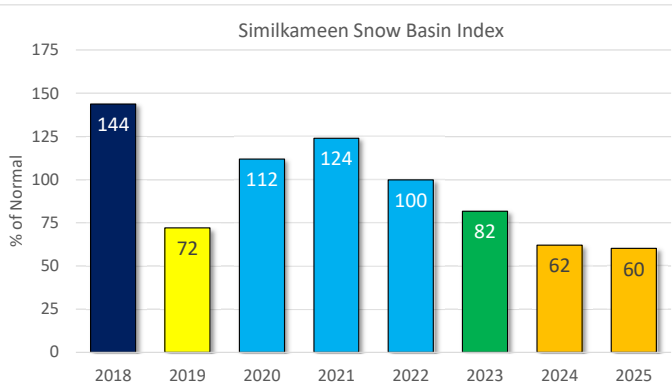
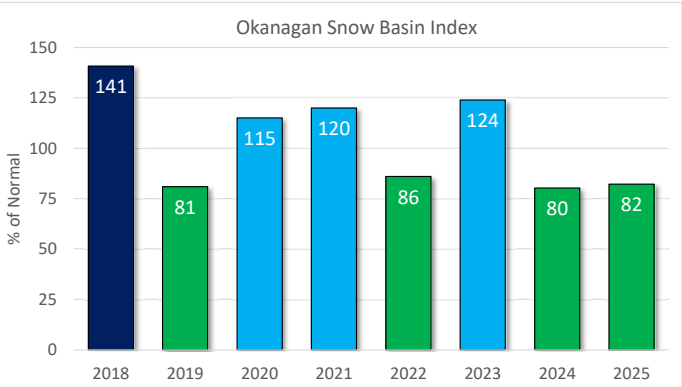
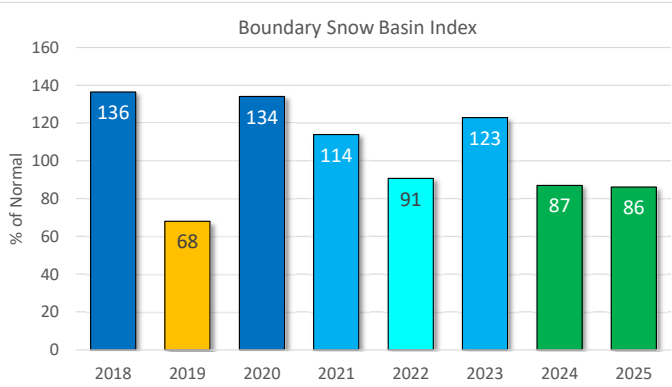
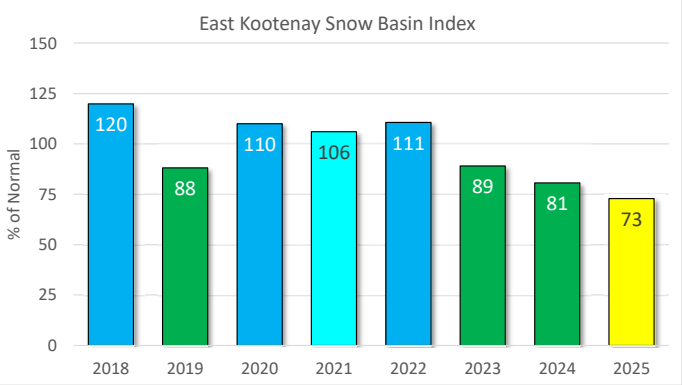
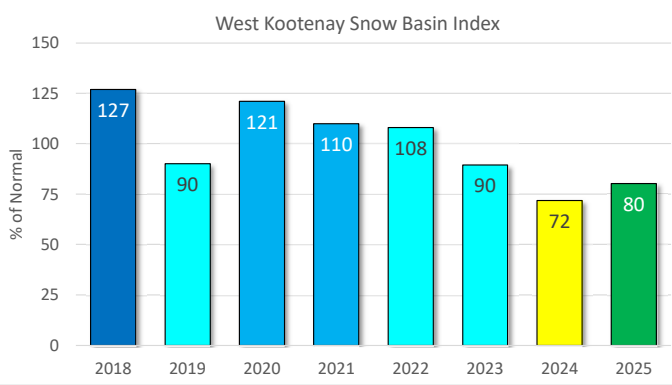
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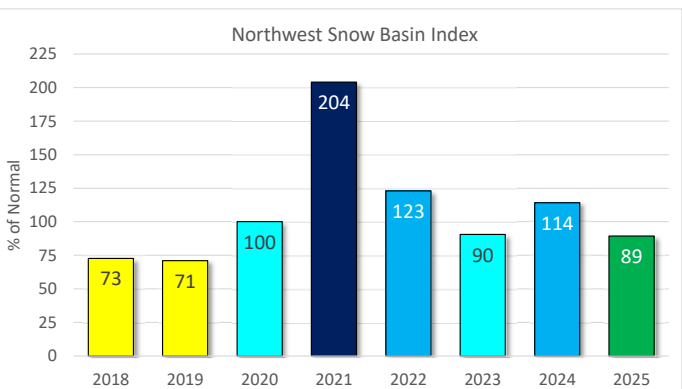
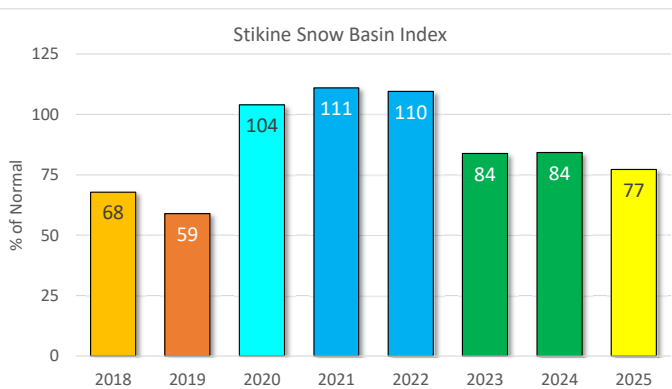
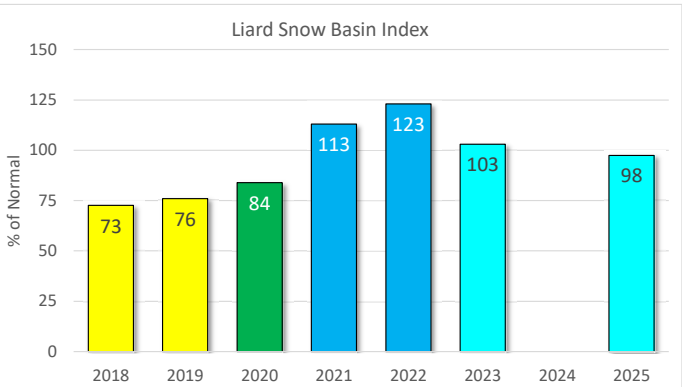
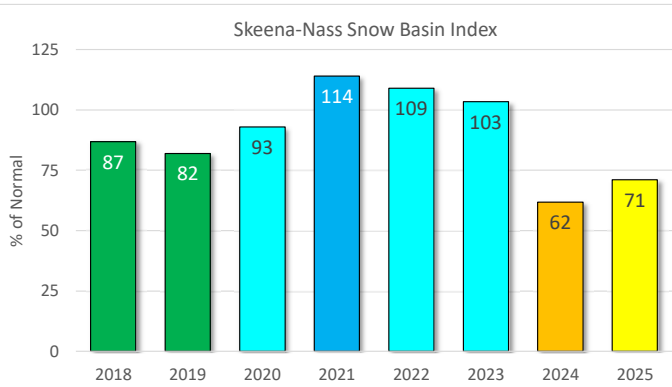
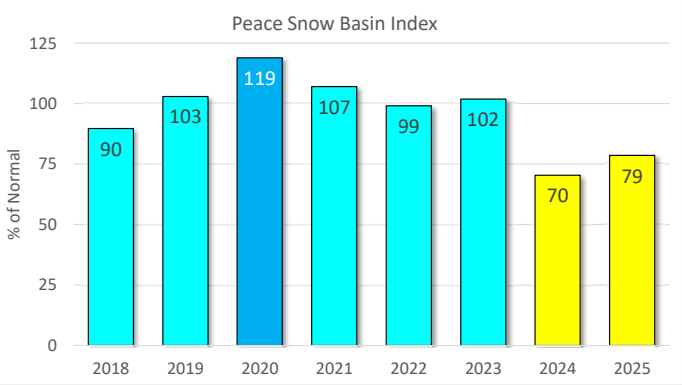
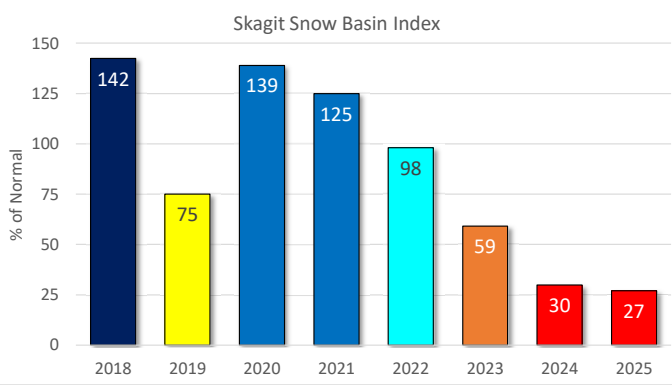
Figure 14 - North Coastal Snow Station Map - % of Normal - March 1, 2025



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

		Mar - Jun Runoff				Mar - Jul Runoff				Mar - Sep Runoff			
Location		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					3,543	3,786	94	331	5,003	5,252	95	390
	McGregor at Lower Canyon					3,829	4,087	94	490	4,905	5,132	96	639
	Fraser at Shelley					16,170	16,310	99	1,494	20,471	20,369	100	1,832
Middle Fraser Basin	Quesnel River at Quesnel					4,450	4,747	94	510	5,748	6,078	95	670
Thompson Basin	N. Thompson at McLure					7,874	9,190	86	536	9,879	11,359	87	826
	S. Thompson at Chase					5,582	6,111	91	566	7,038	7,678	92	832
	Thompson at Spences Bridge					13,943	15,775	88	1,174	17,603	19,755	89	1,814
Bulkley and Skeena	Bulkley at Quick					1,988	2,709	73	1,361	2,512	3,306	76	1,939
	Skeena at Usk					16,846	19,187	88	1,335	21,138	23,531	90	1,809
Nicola Lake		73	126	58	31	81	143	57	35				
*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		371	523	71	82	408	591	69	103				
*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		259	470	55	89	255	497	51	110				
*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		19.3	31.1	62	12.3	19.0	32.5	59	15				
*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	798	1,342	59	158					903	1,652	55	184
	at Hedley	686	1,045	66	134					763	1,233	62	151
Cowichan River	Cowichan Lake Inflows	412	400	103	67					456	436	105	87

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.

UPPER FRASER EAST			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
		Elevation	Snow		SWE	Density	SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
Station ID	Name	(masl)	YYYY-MM-DD	Depth (cm)	(mm)	%			SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1A01P	Yellowhead Lake	1860	2025-03-01	100	270	27	62%	0	298	315	270	428	720	438	27
1A02P	McBride Upper	1611	2025-03-01	111	288	26	72%	11	265	379	257	379	556	399	33
1A03P	Barkerville	1520	2025-03-01	78	201	26	72%	8	232	289	155	287	479	278	47
1A05P	Longworth Upper	1740	2025-03-01	201	843	42	N/A	N/A	575	919	493	918	1020	N/A	8
1A06A	HANSARD	608	2025-02-26	59	140	24	82%	35	66	213	44	167	396	171	52
1A10	PRINCE GEORGE A	689	2025-02-26	35	93	27	79%	21	45	165	0	127	296	117	62
1A14P	Hedrick Lake	1100	2025-03-01	179	624	35	92%	32	362	627	362	715	1057	679	25
1A15P	Knudsen Lake	1601	2025-03-01	171	613	36	N/A	N/A	441	783	441	736	1061	N/A	8
1A17P	Revolution Creek	1690	2025-03-01	164	494	30	71%	17	393	655	339	686	1135	694	36
1A19P	Dome Mountain	1774	2025-03-01	145	437	30	72%	9	476	525	190	634	908	608	19
			Average	124	400	30	75%	17							

Record Low

Basin Index Calculation	Average SWE	318
	Average Normal	423
Upper Fraser East Basin Index - March 1, 2025		75%

Stations used in Basin Index:
1A01P, 1A02P, 1A03P, 1A06A, 1A10, 1A14P, 1A17P, 1A19P

UPPER FRASER WEST			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
		Elevation	Snow		SWE	Density	SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
Station ID	Name	(masl)	YYYY-MM-DD	Depth (cm)	(mm)	%			SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1A12P	Kaza Lake	1257	2025-03-01	90	261	29	N/A	N/A	213	298	200	279	341	N/A	8
1A16	BURNS LAKE	800	2025-03-03	19	76	40	56%	6	72	136	60	120	250	137	53
1A23	BIRD CREEK	1180	2025-02-28	69	168	24	116%	73	152	214	72	148	296	145	35
			Average	59	168	31	86%	39							

Basin Index Calculation	Average SWE	122
	Average Normal	141
Upper Fraser West Basin Index - March 1, 2025		87%

Stations used in Basin Index:
1A16, 1A23

NECHAKO			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
		Elevation	Snow		SWE	Density	SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	Years of Record
Station ID	Name	(masl)	YYYY-MM-DD	Depth (cm)	(mm)	%			SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1B01	MOUNT WELLS	1490	2025-02-28	107	301	28	66%	9	274	444	244	439	954	458	72
1B01P	Mount Wells	1490	2025-03-01		362		75%	17	339	505	246	482	735	481	31
1B02	TAHTSA LAKE	1300	2025-02-28	205	616	30	60%	1	745	951	571	970	1777	1032	72
1B02P	Tahtsa Lake	1300	2025-03-01		661		61%	0	757	1070	661	1052	1722	1076	30
1B05	SKINS LAKE	890	2025-02-28	30	65	22	63%	4	77	99	54	103	226	104	60
1B06	MOUNT SWANNELL	1620	2025-02-28	75	196	26	75%	25	141	N	132	252	446	260	34
1B07	NUTLI LAKE	1490	2025-02-27	112	268	24	59%	5	274	497	229	462	779	453	34
1B08P	Mt. Pondosy	1400	2025-03-01		435		65%	9	470	650	351	620	987	674	29
			Average	106	363	26	65%	9							

Record Low

Basin Index Calculation	Average SWE	363
	Average Normal	567
Nechako Basin Index - March 1, 2025		64%

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

LOWER THOMPSON			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)					SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %			2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
1C06	PAVILION	1230	2025-03-01	9	12	13	20%	4	20	90	0	66	168	60	66
1C09A	HIGHLAND VALLEY	1510	2025-02-28	38	78	21	89%	37	74	177	25	88	229	88	58
1C25	LAC LE JEUNE (UPPER)	1509	2025-03-04	48	126	26	99%	57	90	236	13	117	236	128	52
1C29P	Shovelnose Mountain	1460	2025-03-01	48	135	28	N/A	N/A	127	202	167	191	233	N/A	6
1C32P	Deadman River	1460	2025-03-01	29	80	28	N/A	N/A	94	248	94		248	N/A	2
1C42	CAVERHILL LAKE NEW	1400	2025-03-01	70	200	29	98%	38	208	N	60	210	329	203	19
1C44P	Paradise Lake	1640	2025-03-01	38	118	31	N/A	N/A	140		140		140	N/A	1
1C45P	July Mountain	1860	2025-03-01	152	513	34	N/A	N/A	586		586		586	N/A	1
			Average	54	158	26	77%	34							

Basin Index Calculation	Average SWE	104
	Average Normal	120
Lower Thompson Basin Index - March 1, 2025		87%

Stations used in Basin Index:
1C06, 1C09A, 1C25, 1C42

NICOLA		
Basin Index Calculation	Average SWE	164
	Average Normal	231
Nicola Basin Index - March 1, 2025		71%

Stations used in Basin Index:
1C09, 1C25, 2F18P, 2F24

BRIDGE / LILLOOET			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)					SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %			2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
1C05P	McGillivray Pass	1718	2025-03-01		180		N/A	N/A	231	347	231	447	549	N/A	7
1C12P	Green Mountain	1780	2025-03-01		384		54%	3	432	443	311	701	1265	710	31
1C14P	Bralorne	1382	2025-03-01	34	118	35	N/A	N/A	135	136	135	190	245	N/A	7
1C18P	Mission Ridge	1850	2025-03-01		212		45%	1	327	414	160	443	866	468	48
1C28	DUFFEY LAKE	1200	2025-02-27	85	236	28	53%	6	267	357	194	423	762	442	46
1C38P	Downton Lake Upper	1829	2025-03-01		465		N/A	0	563	539	539	667	867	N/A	9
1C39	BRIDGE GLACIER (LOWER)	1390	2025-02-26	109	262	24	52%	3	342	386	146	490	954	504	30
1C40P	North Tyaughton	1969	2025-03-01		187		N/A	0	192	311	192	311	429	N/A	9
1C43P	Bridge Glacier Proglacial Lake	1505	2025-03-01	173	513		N/A	N/A	546	635	546		635	N/A	2
			Average	100	284	29	51%	2							

Basin Index Calculation	Average SWE	274
	Average Normal	531
Bridge/Lillooet Basin Index - March 1, 2025		52%

Stations used in Basin Index:
1C12P, 1C18P, 1C28, 1C39

Record Low

Record Low

CHILCOTIN			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)					SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %			2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
1C21	BIG CREEK	1140	2025-02-25	8	18	23	34%	8	36	75	0	48	112	53	52
1C22	PUNTZI MOUNTAIN	940	2025-03-05	0	0		0%	N/A	40	82	0	54	128	60	54
1C22AP	Puntzi Mountain	920	2025-03-01		34		N/A	N/A	70		70		70	N/A	1
			Average	4	17	23	17%	8							

Basin Index Calculation	Average SWE	9
	Average Normal	57

Stations used in Basin Index:
1C21, 1C22

QUESNEL			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
								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
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code									
1C17	MOUNT TIMOTHY	1660	2025-03-04	80	251	31		90%	35	180	352	141	284	468	280	62
1C17P	Mount Timothy	1630	2025-03-01	76	209	28		N/A	N/A	200		200		200	N/A	1
1C20P	Boss Mountain Mine	1460	2025-03-01	125	398	32		82%	16	318	487	221	487	739	488	31
1C23	PENFOLD CREEK	1685	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	453	784	1132	814	40
1C23P	Penfold Creek	1740	2025-03-01	206	792	38		N/A	N/A	580	782	580		782	N/A	2
1C33A	GRANITE MOUNTAIN	1150	2025-02-26	34	98	29		56%	4	68	282	68	185	282	174	19
1C41P	Yanks Peak East	1670	2025-03-01	172	613	36		88%	26	474	699	409	713	993	697	28
			Average	116	394	32		79%	20							

Basin Index Calculation	Average SWE	340
	Average Normal	410
Quesnel Basin Index - March 1, 2025		83%

Stations used in Basin Index:
1C17, 1C20P, 1C33A, 1C41P

MIDDLE FRASER

Basin Index Calculation	Average SWE	206
	Average Normal	311
Middle River Basin Index - March 1, 2025		66%

Stations used in Basin Index:
1C06, 1C09A, 1C12P, 1C17, 1C18P, 1C20P, 1C21, 1C22, 1C25, 1C28, 1C29, 1C33A, 1C39 1C42

LOWER FRASER			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
		Elevation						SWE %	Percentile	2024	2023	Minimum	Median	Maximum	1991-2020	
Station ID	Name	(masl)	YYYY-MM-DD	Snow Depth	SWE	Density	Code	of Normal	of Historic	SWE	SWE	SWE	SWE	SWE	Normal SWE	Years of
				(cm)	(mm)	%		(1991-2020)	Record	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	Record
1D06P	Tenquille Lake	1680	2025-03-01	169	569	34		69%	13	577	711	488	853	1219	823	23
1D08P	Lamont Creek Upper	1217	2025-03-01	209	861	41		N/A	N/A	592	885	592	1038	1471	N/A	4
1D09P	Wahleach Lake Upper	1480	2025-03-01		465			61%	8	525	650	251	709	1320	759	31
1D10	NAHATLATCH RIVER	1550	N	N	N	N	N	N/A	N/A	N	N	400	1093	2380	1078	48
1D16	DICKSON LAKE	1160	2025-02-26	208	792	38		72%	21	406	1022	22	1070	1814	1101	29
1D16P	Dickson Lake	1155	2025-03-01	205	842	41		N/A	N/A	646		646		646	N/A	1
1D17P	Chilliwack River	1600	2025-03-01	206	1028	50		82%	24	925	1251	514	1260	2360	1254	31
1D18P	Disappointment Lake	1050	2025-03-01	175				N/A	N/A			259	1239	1996	1174	13
1D19P	Spuzzum	1180	2025-03-01	164	732	45		59%	14	707	914	265	1098	2625	1235	26
			Average	191	756	41		69%	16							

Basin Index Calculation	Average SWE	717
	Average Normal	1034
Lower Fraser Basin Index - March 1, 2025		69%

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

NORTH THOMPSON			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data							
		Elevation (masl)		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
Station ID	Name		YYYY-MM-DD													
1E01B	BLUE RIVER	670	2025-03-03	51	142	28		49%	0	201	271	179	276	411	289	41
1E02P	Mount Cook	1550	2025-03-01	219	811	37		76%	3	827	965	787	1017	1615	1073	20
1E03A	TROPHY MOUNTAIN	1860	2025-03-04	110	328	30		71%	11	N	N	216	441	778	460	48
1E03AP	TROPHY MOUNTAIN	1880	2025-03-01	122	394	32		N/A	N/A	423		423		423	N/A	1
1E07	ADAMS RIVER	1720	2025-03-01	145			A	N/A	N/A	N	N	262	565	892	584	53
1E08P	Azure River	1652	2025-03-01	196	729	37		79%	14	648	782	563	968	1339	926	25
1E10P	Kostal Lake	1770	2025-03-01	179	622	35		88%	22	N	541	481	714	1023	711	38

Record Low

1E14P	Cook Creek	1280	2025-03-01	113	440	39	90%	24	382	493	308	493	790	491	15
			Average	142	495	34	75%	12							

Basin Index Calculation	Average SWE	512
	Average Normal	658
North Thompson Basin Index - March 1, 2025		78%

Stations used in Basin Index:
1E01B, 1E02P, 1E03A, 1E08P, 1E10P, 1E14P

SOUTH THOMPSON			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data							
		Elevation					SWE %	Percentile	2024	2023	Minimum	Median	Maximum	1991-2020		
Station ID	Name	(masl)	YYYY-MM-DD	Snow Depth	SWE	Density	of Normal	of Historic	SWE	SWE	SWE	SWE	SWE	Normal SWE	Years of	
				(cm)	(mm)	%	Code	(1991-2020)	Record	(mm)	(mm)	(mm)	(mm)	(mm)	Record	
1F01A	ABERDEEN LAKE	1310	2025-02-25	46	90	20		62%	8	128	182	51	140	250	146	68
1F02	ANGLEMONT	1190	2025-03-04	80	261	33		80%	15	301	372	160	328	635	326	67
1F03P	Park Mountain	1890	2025-03-01	161	553	34		77%	5	590	793	393	694	1038	715	40
1F04P	Enderby	1950	2025-03-01	190	743	39		N/A	N/A	885	956	648	847	996	N/A	8
1F06P	Celista Mountain	1500	2025-03-01	176	596	34		82%	5	646	672	545	732	908	731	19
			Average	131	449	32		75%	8							

Basin Index Calculation	Average SWE	375
	Average Normal	480
South Thompson Basin Index - March 1, 2025		78%

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

FRASER RIVER

Basin Index Calculation	Average SWE	356
	Average Normal	502
Fraser River Basin Index - March 1, 2025		71%

Stations used in Basin Index:
1A01P, 1A02P, 1A03P, 1A06A, 1A10, 1A14P, 1A16, 1A17P, 1A19P, 1A23, 1B01, 1B01P, 1B02, 1B02P, 1B05, 1B06, 1B07, 1B08P, 1C09A, 1C12P, 1C17, 1C18P, 1C20P, 1C21, 1C22, 1C25, 1C28, 1C29, 1C33A, 1C39 1C42, 1D06P, 1D09P, 1D16, 1D17P, 1D19P, 1E01B, 1E02P, 1E03A, 1E08P, 1E10P, 1E14P, 1F01A, 1F02, 1F03P, 1F06P

UPPER COLUMBIA			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth	SWE	Density	Code	SWE % of Normal	Percentile of Historic	2024 SWE	2023 SWE	Minimum SWE	Median SWE	Maximum SWE	1991-2020 Normal SWE	Years of Record
				(cm)	(mm)	%		(1991-2020)	Record	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	
2A02	GLACIER	1250	2025-02-27	120	407	34		69%	7	476	518	251	586	952	591	85
2A03A	FIELD	1285	2025-02-27	35	114	33		77%	24	97	118	53	155	248	148	85
2A06P	Mount Revelstoke	1850	2025-03-01		740			76%	10	720	911	537	957	1494	971	30
2A07	KICKING HORSE	1650	2025-02-27	79	202	26		73%	5	192	204	140	305	462	278	78
2A11	BEAVERFOOT	1890	2025-02-28	45	102	23		60%	3	180	119	80	185	333	171	63
2A14	MOUNT ABBOT	2010	2025-02-25	232	816	35		82%	13	833	862	508	992	1448	1001	65
2A16	GOLDSTREAM	1920	2025-02-28	198	691	35		71%	6	580	751	553	943	1351	979	61
2A17	FIDELITY MOUNTAIN	1870	2025-02-27	222	808	36		76%	9	761	866	534	991	1703	1058	62
2A18P	Keystone Creek	1840	2025-03-01		700			N/A	N/A	541	591	541	771	850	N/A	8
2A19	VERMONT CREEK	1520	2025-02-28	81	209	26		58%	5	N	283	152	363	643	360	57
2A21P	Molson Creek	1935	2025-03-01	199	607	31		69%	6	550	734	437	880	1215	875	43
2A25	KIRBYVILLE LAKE	1750	2025-02-28	213	764	36		76%	10	788	936	526	969	1476	1006	51
2A27	DOWNIE SLIDE (LOWER)	980	2025-02-28	116	384	33		61%	2	392	548	378	594	1018	629	40
2A29	DOWNIE SLIDE (UPPER)	1630	2025-02-26	254	898	35		78%	16	658	948	614	1078	2120	1150	44
2A30P	Colpitt Creek	2131	2025-03-01	163	543	33		N/A	27	547	489	423	650	906	N/A	16
2A31P	Caribou Creek Upper	2201	2025-03-01		533			N/A	0	571	577	571	779	982	N/A	9
2A32P	Wildcat Creek	2122	2025-03-01		378			N/A	0	393	380	380	526	723	N/A	9
2A34P	Glacier NP Rogers Pass Lower	1182	2025-03-01	98	450	46		N/A	N/A	383	457	383	457	808	N/A	3
2A35P	Fred Laing Lower	577	2025-03-01	76	324	43		N/A	N/A	281	467	281		467	N/A	2
			Average	142	509	34		71%	9							

Record Low
Record Low

Basin Index Calculation	Average SWE	519
	Average Normal	709
Upper Columbia Basin Index - March 1, 2025		73%

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

WEST KOOTENAY			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)					SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %			2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
2B02A	FARRON	1220	2025-03-05	104	307	30	112%	73	258	291	79	278	450	274	50
2B02AP	Farron	1230	2025-03-01	113	374	33	N/A	N/A						N/A	0
2B05	WHATSHAN (UPPER)	1525	2025-02-26	145	416	29	74%	14	301	457	285	557	918	560	62
2B06P	Barnes Creek	1620	2025-03-01		307		68%	5	343	492	227	439	690	451	32
2B07	KOCH CREEK	1860	2025-03-01	170	563	33	92%	39	408	640	269	602	996	609	58
2B08P	St. Leon Creek	1800	2025-03-01		630		71%	6	683	678	423	878	1392	888	31
2B09	RECORD MOUNTAIN	1890	2025-03-04	186	630	34	106%	69	532	482	147	569	1136	594	48
2D02	FERGUSON	929	2025-02-27	93	300	32	59%	2	320	500	283	512	796	507	69
2D03	SANDON	1070	2025-03-01	72	236	33	73%	9	190	306	190	304	475	324	45
2D04	NELSON	930	2025-02-27	73	226	31	75%	15	126	241	118	335	558	301	85
2D06	CHAR CREEK	1310	2025-02-27	140	438	31	98%	49	345	356	231	443	754	447	57
2D07A	DUNCAN LAKE NO. 2	630	2025-02-28	17	54	32	36%	0	66	153	52	140	322	149	30
2D07AP	Duncan Lake Dam 2	559	2025-03-01	3	3	10	N/A	N/A	13	63	0	63	255	N/A	5
2D08P	East Creek	2030	2025-03-01		509		70%	10	605	605	312	716	1167	722	43
2D09	MOUNT TEMPLEMAN	1860	N	N	N	N	N/A	N/A	N	690	490	864	1534	872	44
2D10P	GRAY CREEK (UPPER)	1930	2025-03-01	146	518	35	N/A	N/A	485	626	485	629	653	N/A	4
2D14P	Redfish Creek	2104	2025-03-01	226	893	40	85%	18	926	1052	615	1069	1316	1047	23
2D17	Lost Ledge	2050	2025-03-03	175	625	36	N/A	N/A	547	608	547		608	N/A	2
2D18	Purcell	2060	2025-03-04	166	564	34	N/A	N/A	586	677	586	677	727	N/A	3
			Average	122	422	31	79%	24							

Basin Index Calculation	Average SWE	424
	Average Normal	529
West Kootenay Basin Index - March 1, 2025		80%

Stations used in Basin Index:
 2B02A, 2B05, 2B06P, 2B07, 2B08P, 2B09, 2D02, 2D03, 2D04, 2D06, 2D07A, 2D08P, 2D14P

EAST KOOTENAY			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)					SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %			2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
2C01	SINCLAIR PASS	1370	2025-02-28	27	65	24	60%	6	94	87	44	117	262	108	77
2C04	SULLIVAN MINE	1550	2025-03-02	67	177	26	76%	11	322	252	53	264	465	234	79
2C09Q	Morrissey Ridge	1860	2025-03-01		394		72%	10	354	395	240	545	1074	551	41
2C10P	Moyie Mountain	1930	2025-03-01	106	310	29	87%	40	227	321	149	326	653	358	44
2C14P	Floe Lake	2090	2025-03-01	116	363	31	63%	5	483	427	254	590	893	572	29
2C15	MOUNT ASSINIBOINE	2230	2025-02-28	112	313	28	73%	8	336	315	185	425	680	430	51
2C17	THUNDER CREEK	2010	2025-02-28	68	180	26	81%	25	N	259	91	236	378	223	52
			Average	83	257	28	73%	15							

Basin Index Calculation	Average SWE	257
	Average Normal	354
East Kootenay Basin Index - March 1, 2025		73%

Stations used in Basin Index:
 2C01, 2C04, 2C09Q, 2C10P, 2C14P, 2C15, 2C17

BOUNDARY			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)						SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code			2024 SWE (mm)	2023 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
2E01	MONASHEE PASS	1370	2025-02-26	78	190	24		67%	7	210	288	149	288	442	286	65
2E02	CARMI	1250	N	N	N	N	N	N/A	N/A	75	143	47	132	274	126	61
2E03	BIG WHITE MOUNTAIN	1680	N	N	N	N	N	N/A	N/A	421	466	208	390	676	397	57
2E07P	Grano Creek	1860	2025-03-01	124	398	32		100%	57	340	585	198	388	634	398	26
2F03AP	McCulloch	1245	2025-03-01	50	300	60		N/A	N/A						N/A	0
			Average	101	294	28		83%	32							

Basin Index Calculation	Average SWE	294
	Average Normal	342
Boundary Basin Index - March 1, 2025		86%

Stations used in Basin Index:
2E01, 2E07P

OKANAGAN			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)						SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code			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	2025-03-01	54	178	33		N/A	N/A	186	258	156	250	266	N/A	6
2F02	SUMMERLAND RESERVOIR	1280	2025-02-26	80	212	27		105%	50	168	288	97	211	381	202	64
2F03	MCCULLOCH	1280	2025-03-05	49	112	23		71%	14	142	226	71	158	249	158	84
2F04	GRAYSTOKE LAKE	1840	2025-02-27	81	228	28		77%	23	202	368	128	302	605	296	39
2F05P	Mission Creek	1780	2025-03-01	104	272	26		67%	11	336	467	203	386	634	409	54
2F07	POSTILL LAKE	1370	2025-02-28	54	116	21		64%	3	172	201	98	183	274	181	75
2F08P	Greyback Reservoir	1550	2025-03-01	66	149	23		N/A	N/A	179	228	158	193	298	N/A	8
2F09	WHITEROCKS MOUNTAIN	1830	2025-03-04	130	441	34		97%	48	345	618	180	448	809	455	67
2F09P	Whiterocks Mountain	1800	2025-03-01	140	479	34		N/A	N/A	402	704	402		704	N/A	2
2F10	Silver Star Mountain	1840	N	N	N	N	N	N/A	N/A	464	689	347	599	912	619	61
2F10P	Silver Star Mountain	1839	2025-03-01	151	511	34		N/A	8	553	755	445	622	773	N/A	9
2F11	ISINTOK LAKE	1680	2025-02-27	42	98	23		68%	14	139	163	53	143	358	143	60
2F12	MOUNT KOBAL	1810	2025-02-28	103	316	31		121%	75	211	406	61	257	488	262	58
2F13	ESPERON CR (UPPER)	1650	N	N	N	N	N	N/A	N/A	NS	NS	157	334	635	321	52
2F14	ESPERON CR (MIDDLE)	1430	N	N	N	N	N	N/A	N/A	NS	NS	132	294	513	273	28
2F18P	Brenda Mine	1460	2025-03-01	83	237	29		80%	27	204	287	186	284	435	296	29
2F19	OYAMA LAKE	1340	2025-02-28	53	110	21		75%	13	162	142	73	145	241	146	55
2F19P	OYAMA LAKE	1360	2025-03-01	46	122	27		N/A	N/A	148	168	147	158	230	N/A	4
2F20	VASEUX CREEK	1400	2025-02-27	47	94	23		68%	29	94	150	52	118	284	112	53
2F23	MACDONALD LAKE	1740	N	N	N	N	N	N/A	N/A	328	438	170	349	583	370	48
2F24	ISLAHT LAKE	1480	2025-02-26	110	175	16		65%	7	211	400	161	269	497	270	43
			Average	82	226	27		80%	25							

Basin Index Calculation	Average SWE	201
	Average Normal	244
Okanagan Basin Index - March 1, 2025		82%

Stations used in Basin Index:
2F02, 2F03, 2F04, 2F05P, 2F07, 2F09, 2F11, 2F12, 2F18P, 2F19, 2F20, 2F24

SIMILKAMEEN			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)						SWE % of Normal (1991-2020)	Percentile of Historic Record							
			YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code			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	2025-03-01	143	419	29		62%	7	339	462	229	650	1323	681	57
2G04	LOST HORSE MOUNTAIN	1920	2025-02-27	56	126	23		65%	10	160	230	92	186	508	194	62
2G05	MISSEZULA MOUNTAIN	1550	2025-02-27	52	113	22		63%	7	137	189	76	190	363	180	61
2G06	HAMILTON HILL	1490	2025-02-26	54	129	24		51%	2	176	188	102	276	676	254	62

2G06P	Hamilton Hill	1480	2025-03-01	45	171	38	N/A	N/A	N/A	0
Average			70	192	27	60%	7			

Basin Index Calculation	Average SWE	197
	Average Normal	327
Similkameen Basin Index - March 1, 2025		60%

Stations used in Basin Index:
2G03P, 2G04, 2G05, 2G06

SOUTH COAST			March 1, 2025 Data				Mar 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
3A01	GROUSE MOUNTAIN	1100	2025-02-26	170	636	37		64%	20	430	946	0	977	2320	999	74
3A02	POWELL RIVER (UPPER)	1040	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	868		868	N/A	1
3A05	POWELL RIVER (LOWER)	910	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	588		588	N/A	1
3A09P	Palisade Lake	900	2025-03-01	118	105	9		N/A	N/A	181	885	181	609	1277	N/A	6
3A10	DOG MOUNTAIN	1080	2025-02-27	137	540	39		58%	15	335	920	0	937	2146	931	41
3A20P	Callaghan	1017	2025-03-01	106	381	36		N/A	N/A	347	537	347	660	839	N/A	6
3A22P	Nostetuko River	1500	2025-03-01	72	200	28		42%	6	226	352	86	453	878	479	34
3A24P	Mosley Creek Upper	1650	2025-03-01	50	140	28		55%	7	192	201	98	238	555	256	36
3A25P	Squamish River Upper	1340	2025-03-01	206	889	43		67%	17	552	1023	552	1335	2312	1322	33
3A26	CHAPMAN CREEK	1022	2025-02-28	239	1100	46		103%	54	392	1160	392	1023	1412	1064	15
3A27	EDWARDS LAKE	1070	2025-02-28	156	538	34		76%	17	165	770	165	670	964	709	13
3A28P	Tetrahedron	1420	2025-03-01	316	1293	41		N/A	N/A	932	1031	932	1155	1466	N/A	7
			Average	157	582	34		66%	19							

Basin Index Calculation	Average SWE	578
	Average Normal	823
South Coast Basin Index - March 1, 2025		70%

Stations used in Basin Index:
3A01, 3A10, 3A22P, 3A24P, 3A25P, 3A26, 3A27

VANCOUVER ISLAND			March 1, 2025 Data					Mar 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
3B01	FORBIDDEN PLATEAU	1100	2025-03-03	242	1062	44		90%	33	497	977	101	1200	2730	1177	69
3B02A	MOUNT COKELY	1190	N	N	N	N	N	N/A	N/A	N	N	14	664	1034	596	31
3B04	ELK RIVER	270	2025-03-03	0	0			0%	N/A	50	0	0	51	546	61	64
3B10	UPPER THELWOOD LAKE	990	2025-03-03	174	722	41		67%	17	462	802	0	1054	2440	1079	63
3B17P	Wolf River Upper	1490	2025-03-01		854			81%	28	621	827	204	977	2085	1052	37
3B19	WOLF RIVER (LOWER)	640	N	N	N	N	N	N/A	N/A	76	172	0	296	1064	314	53
3B23P	Jump Creek	1160	2025-03-01	131	589	45		66%	19		785	20	881	2206	897	28
3B24P	Heather Mountain Upper	1190	2025-03-01	158	808	51		N/A	28	372	773	372	962	1557	N/A	9
3B26P	Mount Arrowsmith	1465	2025-03-01	171	680	40		N/A	N/A	415	666	415	780	1123	N/A	7
			Average	146	674	44		61%	25							

Basin Index Calculation	Average SWE	645
	Average Normal	853
Vancouver Island Basin Index - March 1, 2025		76%

Stations used in Basin Index:
3B01, 3B04, 3B10, 3B17P, 3B23P

CENTRAL COAST			March 1, 2025 Data					Mar 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
3C07	WEDEENE RIVER SOUTH	220	N	N	N	N	N	N/A	N/A	136	456	119	381	945	435	36
3C08P	Burnt Bridge Creek	1330	2025-03-01		405			58%	4	505	742	285	692	1229	703	26

Average	N/A	405	N/A	58%	4
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Basin Index Calculation	Average SWE	405
	Average Normal	703
Central Coast Basin Index - March 1, 2025		58%

Stations used in Basin Index:
3C08P

SKAGIT			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data							
								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	
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code										
3D01C	SUMALLO RIVER WEST	790	2025-02-26	0	0	N/A	T		0%	N/A	26	118	0	210	442	208	33
3D02	LIGHTNING LAKE	1220	2025-03-01	48	135	28			52%	5	156	172	36	246	497	260	51
3D03A	KLESILKWA	1175	2025-02-26	14	50	36			24%	9	21	112	0	236	759	212	71
			Average	21	62	32			25%	7							

Basin Index Calculation	Average SWE	62
	Average Normal	227
Skagit Basin Index - March 1, 2025		27%

Stations used in Basin Index:
3D01C, 3D02, 3D03A

PEACE			March 1, 2025 Data				Mar 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	2025-03-01	264	929	35		101%	52	558	1063	558	922	1485	923	32
4A03P	Ware Upper	1565	2025-03-01	71	155	22		N/A	N/A	145	180	145	180	223	N/A	8
4A04P	Ware Lower	971	2025-03-01	60	146	24		N/A	N/A	148	175	91	171	196	N/A	8
4A07	LADY LAURIER LAKE	1440	2025-02-24	117	293	25		66%	3	334	460	255	418	662	443	57
4A09P	Pulpit Lake	1311	2025-03-01	100	218	22		60%	1	310	318	200	367	515	365	34
4A10	FREDRICKSON LAKE	1325	2025-02-25	70	140	20		66%	4	192	227	86	201	315	213	60
4A10P	Fredrickson Lake	1326	2025-03-01	73	182	25		N/A	N/A	229		229		229	N/A	1
4A11	TRYGVE LAKE	1410	2025-02-24	85	190	22		61%	0	279	273	186	295	453	312	60
4A12P	Tsaydaychi Lake	1195	2025-03-01	108	267	25		N/A	N/A	198	366	198	324	419	N/A	4
4A13P	Philip Lake	1028	2025-03-01	75	238	32		N/A	N/A	141	243	141	243	276	N/A	5
4A18P	MOUNT SHEBA	1484	2025-03-01	215	751	35		N/A	N/A	492		492	883	991	N/A	5
4A20P	Monkman Creek	1570	2025-03-01		352			N/A	N/A	277	292	277	341	443	N/A	6
4A21	MOUNT STEARNS	1505	2025-02-24	49	93	19		76%	26	78	125	40	123	227	123	50
4A25	FORT ST. JOHN A	690	2025-03-04	38	96	25		95%	53	60	90	38	90	191	102	50
4A27P	Kwadacha North	1554	2025-03-01	103	222	22		83%	16	231	257	158	266	405	269	34
4A30P	Aiken Lake	1050	2025-03-01	61	155	25		69%	9	216	244	117	220	363	224	37
4A31P	Crying Girl Prairie	1358	2025-03-01	68	144	21		N/A	18	123	241	123	192	241	N/A	9
4A33P	Muskwa-Kechika	1196	2025-03-01	45	117	26		N/A	N/A	70	151	62	94	151	N/A	8
4A34P	Dowling Creek	1456	2025-03-01		470			N/A	N/A	222	1401	222	1199	1401	N/A	7
4A36P	Parsnip Upper	790	2025-03-01	80	262	33		N/A	N/A	111	282	111	330	362	N/A	6
4A37P	McQue Terrace	1200	2025-03-01	48	117	24		N/A	N/A	101	126	81	113	126	N/A	5
4A38P	Horn Creek	1450	2025-03-01	82	227	28		N/A	N/A	255	342	255		342	N/A	2
4A39P	Chowade Upper	1480	2025-03-01	47	99	21		N/A	N/A	83		83		83	N/A	1
4A41	KEMESS CREEK LOWER	1540	2025-02-24	98	214	22		N/A	13	250	310	198	296	384	N/A	9
4A42	KEMESS CREEK UPPER	1670	2025-02-24	92	250	27		N/A	N/A	284	392	252	318	392	N/A	7
			Average	89	253	25		75%	18							

Basin Index Calculation	Average SWE	260
	Average Normal	330
Peace Basin Index - March 1, 2025		79%

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

SKEENA-NASS			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						

Basin Index Calculation	Average SWE	297
	Average Normal	417
Skeena-Nass Basin Index - March 1, 2025		71%

Stations used in Basin Index:
4B01, 4B02, 4B03A, 4B04, 4B06, 4B07, 4B08, 4B11A, 4B14, 4B15, 4B15P, 4B16P, 4B18P

LIARD			March 1, 2025 Data					Mar 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	2025-03-01	90	202	22		N/A	N/A	163	224	114	225	283	N/A	8
4C02	SUMMIT LAKE	1280	2025-02-28	48	92	19		87%	39	N	N	0	100	190	106	52
4C05	FORT NELSON AIRPORT	380	2025-02-27	46	93	20		111%	50	32	N	32	93	177	84	56
4C20P	Sierra Climate	572	2025-03-01		96			N/A	N/A	52	91	52	79	129	N/A	6
4C21P	Two Island Climate	708	2025-03-01		116			N/A	N/A	66	62	62	92	161	N/A	6
			Average	61	120	21		99%	45							

Basin Index Calculation	Average SWE	93
	Average Normal	95
Liard Basin Index - March 1, 2025		98%

Stations used in Basin Index:
4C02, 4C05

STIKINE			March 1, 2025 Data					Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Elevation Station ID Name (masl)			Snow Depth SWE Density (cm) (mm) % Code					SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
			YYYY-MM-DD								SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)
4D10P	Tumeka Creek	1220	2025-03-01	159	374	24		78%	28	403	399	262	477	789	479	27
4D11P	Kinaskan Lake	1020	2025-03-01	96	243	25		76%	21	N	278	148	283	557	321	28
4D16P	Forrest Kerr Mid Elevation Snow	1192	2025-03-01	234	679	29		N/A	38	821	883	471	821	1095	N/A	9
4D17P	Forrest Kerr High Elevation Snow	1622	2025-03-01	345	1083	31		N/A	52	1197	1199	598	1062	1668	N/A	9
			Average	208	595	N/A		77%	35							

Basin Index Calculation	Average SWE	309
	Average Normal	400

Stations used in Basin Index:
4D10P, 4D11P

Stikine Basin Index - March 1, 2025	77%
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NORTHWEST			March 1, 2025 Data				Mar 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data							
							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	
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density %	Code									
4E01	LOG CABIN	900	2025-02-28	113	302	27		86%	37	392	328	124	330	700	353	64
4E01P	Log Cabin	890	2025-03-01	109	296	27		N/A	N/A	415		415		415	N/A	1
4E02B	ATLIN LAKE	730	2025-02-24	49	96	20		104%	46	116	75	54	88	207	93	19
			Average	90	231	24		95%	41							

Basin Index Calculation	Average SWE	199
	Average Normal	223
Northwest Basin Index - March 1, 2025		89%

Stations used in Basin Index:
4E01, 4E02B

BRITISH COLUMBIA

Basin Index Calculation	Average SWE	351
	Average Normal	481
British Columbia Basin Index - March 1, 2025		73%

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