

# Snow Survey and Water Supply Bulletin – January 1<sup>st</sup>, 2025

The January 1<sup>st</sup> snow survey is now complete. Data from 40 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 January 1<sup>st</sup>, the provincial snowpack is slightly below normal, averaging 87% of normal (13% below normal) across B.C.
- The snowpack is significantly higher than last year when the provincial average was 56% for January 1<sup>st</sup>, 2024.
- Regions with normal to above normal snowpack levels have an increased risk for spring snowmelt related flooding, especially if La Niña conditions emerge and persist.
- Areas with below normal snowpack show early concerns for drought conditions amplifying in the spring and summer.
- By early January, nearly half of the annual B.C. snowpack typically accumulates.
- There are still three or more months left in the snow accumulation season and the snowpack can still change significantly based on upcoming weather patterns.

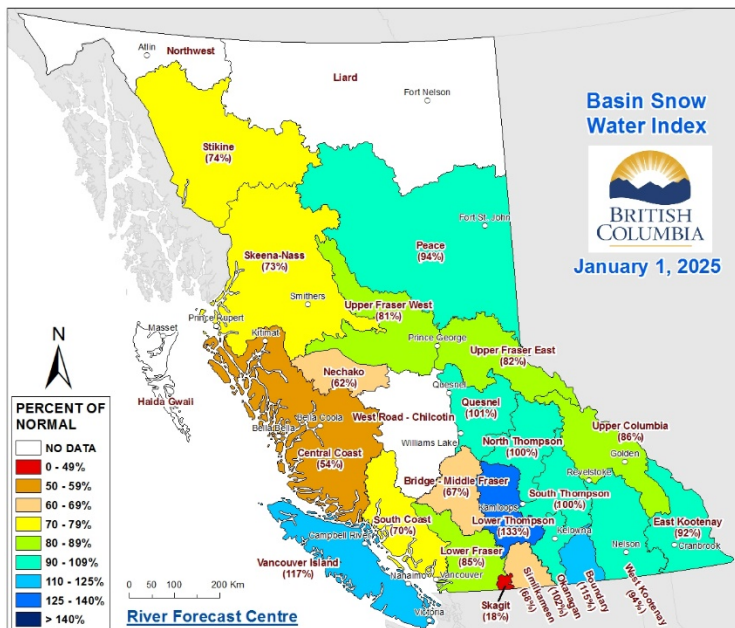


Figure 1. January 1<sup>st</sup>, 2025 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

Table 1. January 1<sup>st</sup>, 2025 Snow Basin Indices in B.C.

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	81	North Thompson	100	South Coast	70
Upper Fraser East	82	South Thompson	100	Vancouver Island	117
Nechako	62	Fraser River	86	Central Coast	54
Middle Fraser	88	Upper Columbia	86	Skagit	18
Lower Thompson*	133	West Kootenay	94	Peace	94
Bridge*	67	East Kootenay	92	Skeena-Nass	73
Chilcotin*	N/A <sup>#</sup>	Boundary	115	Liard	N/A <sup>#</sup>
Quesnel*	101	Okanagan	102	Stikine	74
Lower Fraser	85	Similkameen	68	Northwest	N/A <sup>#</sup>
<b>British Columbia 87% of Normal</b>					

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

Next scheduled snow bulletin release: February 10-11<sup>th</sup>, 2025



## Snow Survey and Water Supply Bulletin – January 1<sup>st</sup>, 2025

### Weather

Typical fall storm systems affected coastal regions of British Columbia through October and November. In October, temperatures were slightly above normal for the South Interior; the rest of the province averaged seasonal temperatures for October and November. Generally, precipitation was near normal for the start of the water year. The only significant cold snap of the fall season occurred in late November for northern sections of the province and the Central Interior.

December was a very warm month. At least ten long-term Environment and Climate Change Canada (ECCC) monitoring locations measured within their top 5 warmest December temperatures over their respective periods of record, including Victoria Gonzales (since data began in 1874), Comox A (since 1914), Campbell River A (since 1958), Vancouver International A (since 1896), Abbotsford A

(since 1944), Quesnel A (since 1898), Williams Lake A (since 1961), Kamloops (since 1890), Sandspit (since 1945) and Prince Rupert (since 1908). Last year, December 2023, was even warmer when six of these locations measured their warmest December on record. Precipitation totals varied in December with some Vancouver Island locations, Quesnel, Prince George and Fort Nelson measuring above normal precipitation, whereas Vernon, Williams Lake, Terrace and Dease Lake were drier than normal.

Weather during the first week of January was cold in northern portions of the province and warmer in the south, with mild storm systems affecting the coast. In general, below normal snow accumulation started the month. The upcoming 7-day weather forecast shows the likelihood of moderate storm systems arriving, particularly for the northern coastal regions.

### Snowpack

Snow Basin Indices (SBI) for January 1<sup>st</sup>, 2025 ranged from a low of 18% of normal in the Skagit to a high of 133% in the Lower Thompson (Table 1, 2 and Figure 1, 5, 6). Overall, the provincial snowpack is slightly below normal for January 1<sup>st</sup>, with the average of all snow measurements at 87% of normal (13% below normal).

Most basins were slightly below normal to near normal (80-105%). Two basins, the Boundary (115%) and Vancouver Island (117%), were above slightly above normal. The

Lower Thompson sub-region of the Middle Fraser measured 133% of normal but was calculated on only a single snow survey location at Lac Le Jeune Upper (1C25). Below normal snowpacks (70-80% of normal) were measured in the South Coast, Skeena-Nass and Stikine. Well below normal snowpacks (<70%) exist in the Nechako, Bridge, Similkameen, Central Coast and Skagit. The Northwest, Liard and Chilcotin have at least one operational automated snow weather station, however, the period of record is too short to calculate an SBI.

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Last year, the January 1<sup>st</sup> average of all snow stations in British Columbia was 56% of normal (Table 2). Snow basin indices are considerably higher in most regions of the province this year. Regions that are lower compared to 2024 include the Nechako, Central Coast, Skeena-Nass and Stikine.

Please review the additional provincial and regional maps (Figures 7-14), full summary data tables and SBI bar charts at the end of this re-port for further interpretation.

**Table 2 – B.C. Snow Basin Indices – January 1<sup>st</sup>, 2025 compared to January 1<sup>st</sup>, 2024**

Basin	January 1 <sup>st</sup> % of Normal (2024 value)	Percentage Point Change 2024 to '25	Basin	January 1 <sup>st</sup> % of Normal (2024 value)	Percentage Point Change 2024 to '25
<b>Fraser River Region</b>			<b>Columbia Region</b>		
Upper Fraser East	82 (63)	↑ +19	Upper Columbia	86 (59)	↑ +27
Upper Fraser West	81 (35)	↑ +46	West Kootenay	94 (57)	↑ +37
Nechako	62 (84)	↓ -22	East Kootenay	92 (62)	↑ +30
Middle Fraser	88 (50)	↑ +38	Boundary	115 (58)	↑ +57
Lower Thompson*	133 (36)	↑ +97	Okanagan	102 (64)	↑ +38
Bridge*	67 (53)	↑ +14	Similkameen	68 (32)	↑ +36
Chilcotin*	N/A <sup>a</sup> (0)	N/A <sup>a</sup>	<b>Northern Region</b>		
Quesnel*	101 (51)	↑ +50	Peace	94 (72)	↑ +22
Lower Fraser	85 (35)	↑ +50	Skeena-Nass	73 (80)	↓ -7
North Thompson	100 (60)	↑ +40	Liard	N/A (N/A <sup>a</sup> )	N/A <sup>a</sup>
South Thompson	100 (73)	↑ +27	Stikine	74 (96)	↓ -22
<b>Coastal Region</b>			Northwest	N/A (N/A <sup>a</sup> )	N/A <sup>a</sup>
South Coast	70 (36)	↑ +34	<b>Additional</b>		
Vancouver Island	117 (39)	↑ +78	Fraser River	86 (53)	↑ +33
Central Coast	54 (78)	↓ -24			
Skagit	18 (0)	↑ +18			
<b>British Columbia 87 (56) ↑ +31</b>					

<sup>a</sup> No snow surveys scheduled for January 1<sup>st</sup> in 2025

\* Sub-region of the Middle Fraser

There were three new automated snow weather stations built by the Ministry of Environment and Parks' Snow Program and added to the network this year:

- 2B02AP Farron (West Kootenay)
- 2F03AP McCulloch (Boundary)
- 2G06P Hamilton Hill (Similkameen)

Seven manual snow surveys are scheduled to be de-activated for the upcoming season. Reasons for deactivation can include classification as no longer required due to co-location beside a relatively new automated snow weather station\*, site in disrepair, site destroyed by fire, or discontinuation due to resource challenges. De-activated locations scheduled for 2025 are:

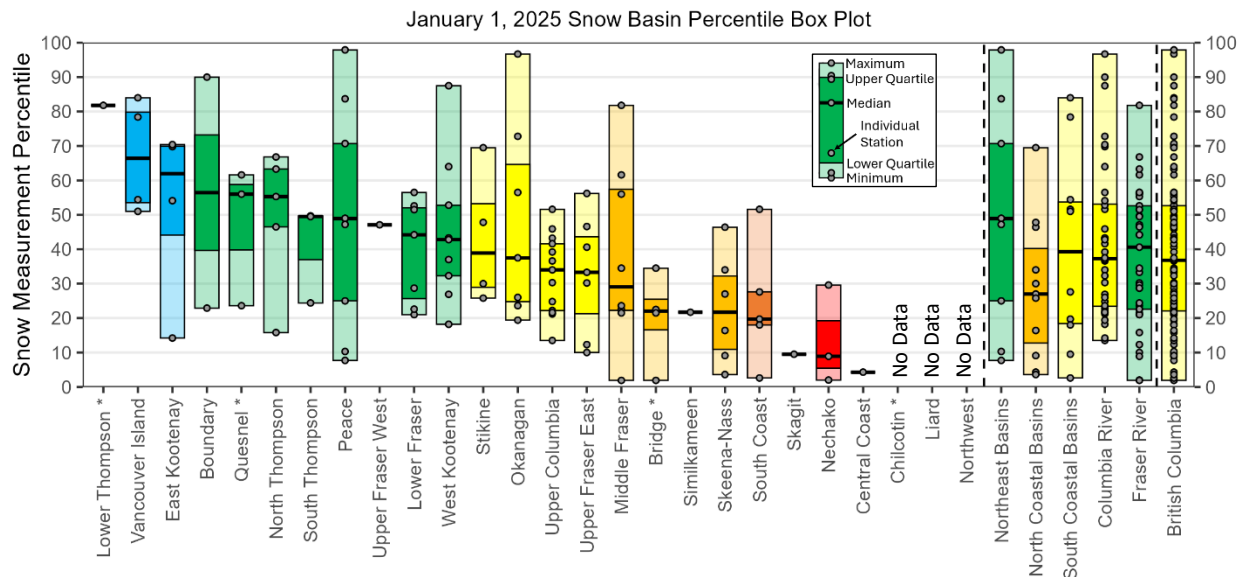
## Snow Survey and Water Supply Bulletin – January 1<sup>st</sup>, 2025

- 1C01 Brookmere (Lower Thompson / Middle Fraser)
- 1C29 Shovelnose Mountain\* (Lower Thompson / Middle Fraser)
- 2C11 Kimberly Upper (East Kootenay)
- 2C12 Kimberly Middle (East Kootenay)
- 2F01A Trout Creek West\* (Okanagan)
- 3B18 Wolf River Middle (Vancouver Island)
- 4A16 Morfee Mountain\* (Peace)

Percentiles offer a 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 Lower Thompson (82<sup>nd</sup> percentile), a sub-region of the Middle Fraser. The

region with the lowest is the Central Coast (4<sup>th</sup>). 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 – January 1<sup>st</sup>, 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 (80<sup>th</sup> to 100<sup>th</sup> percentile), above normal (60<sup>th</sup> to 80<sup>th</sup>), normal (40<sup>th</sup> to

60<sup>th</sup>), below normal (20<sup>th</sup> to 40<sup>th</sup>), and well below normal (0 to 20<sup>th</sup>). All-time high and all-time low are represented by 100 and 0, respectively.

Snow accumulation was seasonally typical through November and December with a relatively even distribution across percentile classes in the province. Drier conditions in late

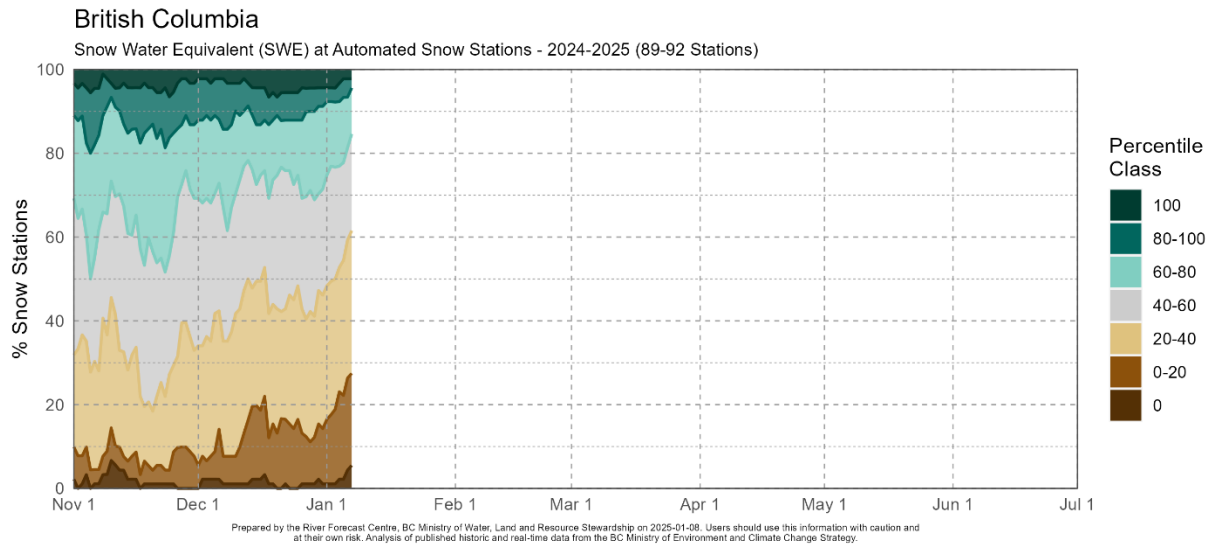
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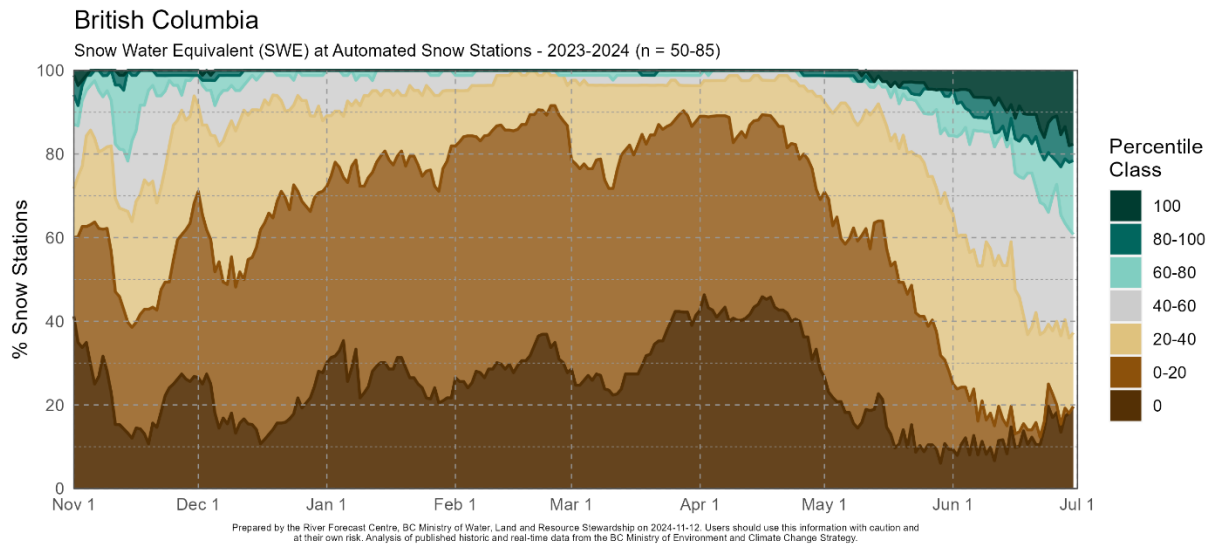
December, and continuing through the first week of January, have increased the percentage of stations considered below normal from 40% to 60% (as of January 8<sup>th</sup>).

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)**



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





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### Outlook

The Climate Prediction Center (CPC) at the U.S. National Weather Service/NOAA issued a La Niña Watch leading into winter. The most recent update available from the CPC (dated December 12, 2024) indicated that La Niña conditions are likely to emerge (59% chance) over the Nov 2024-Jan 2025 period. La Niña is the cool phase of the El Niño-Southern Oscillation (ENSO). 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 April-June 2025 (60% chance).

When winter La Niña conditions exist in B.C., the April 1<sup>st</sup> snowpack is often above normal,

### Summary

By early January, nearly half of the annual B.C. snowpack typically accumulates. Snowpack throughout the province ranges from 18 to 133% of normal across regions. The average for all snow measurements for the province on January 1<sup>st</sup> is 87% of normal (13% below normal). During the first week of January, snow at the automated snow weather stations has accumulated at a below seasonal rate. Regions with normal to above normal snowpack levels

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 December 2024 by ECCC indicate a greater likelihood of above normal temperatures for B.C. from January through March 2025, except in the Peace region 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 January through March 2025, except the northernmost area of the province which does not display a forecast trend.

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 three 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 February 1<sup>st</sup>, 2025 bulletin scheduled for release on February 10<sup>th</sup> or 11<sup>th</sup>.

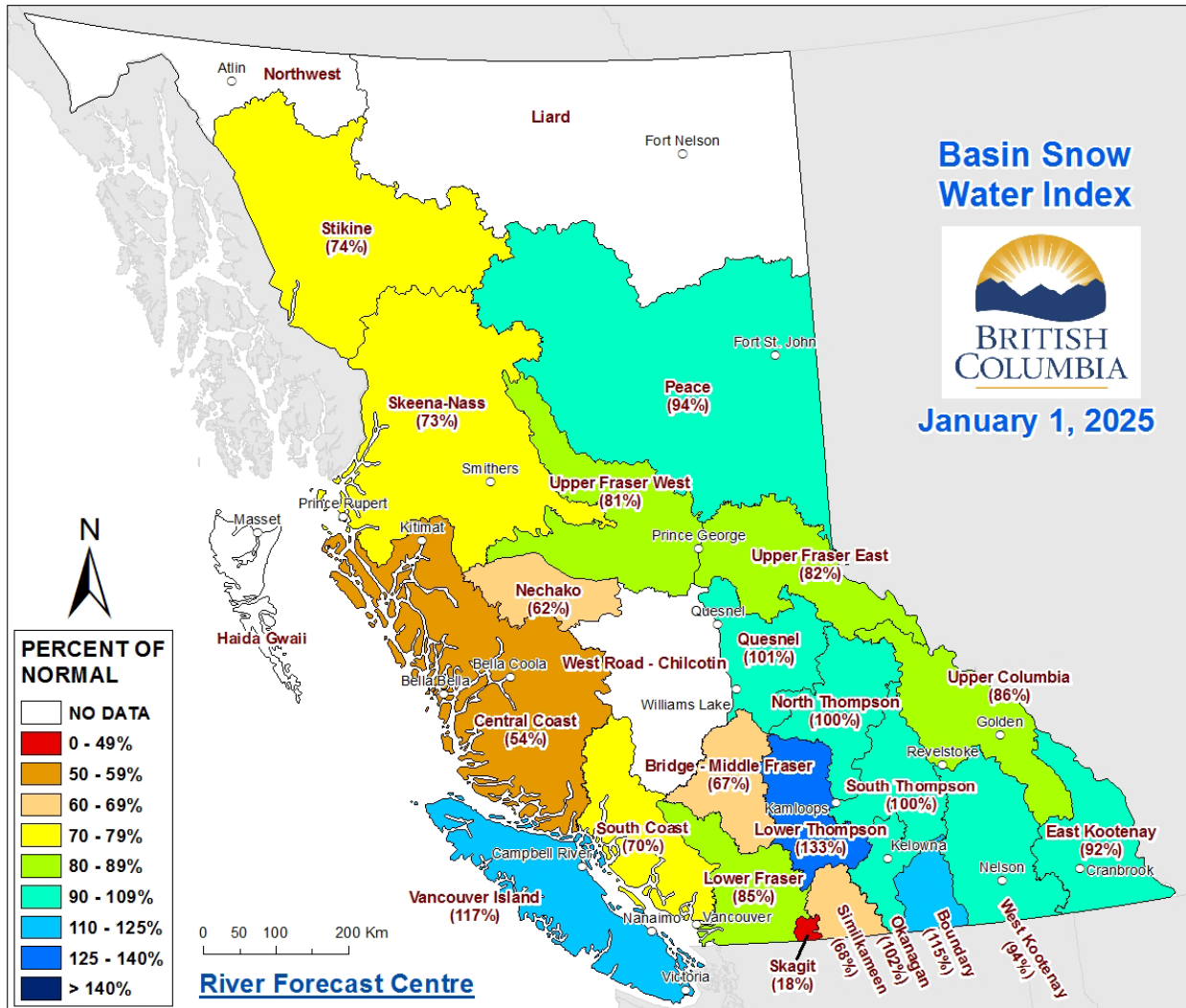
River Forecast Centre  
January 9, 2025

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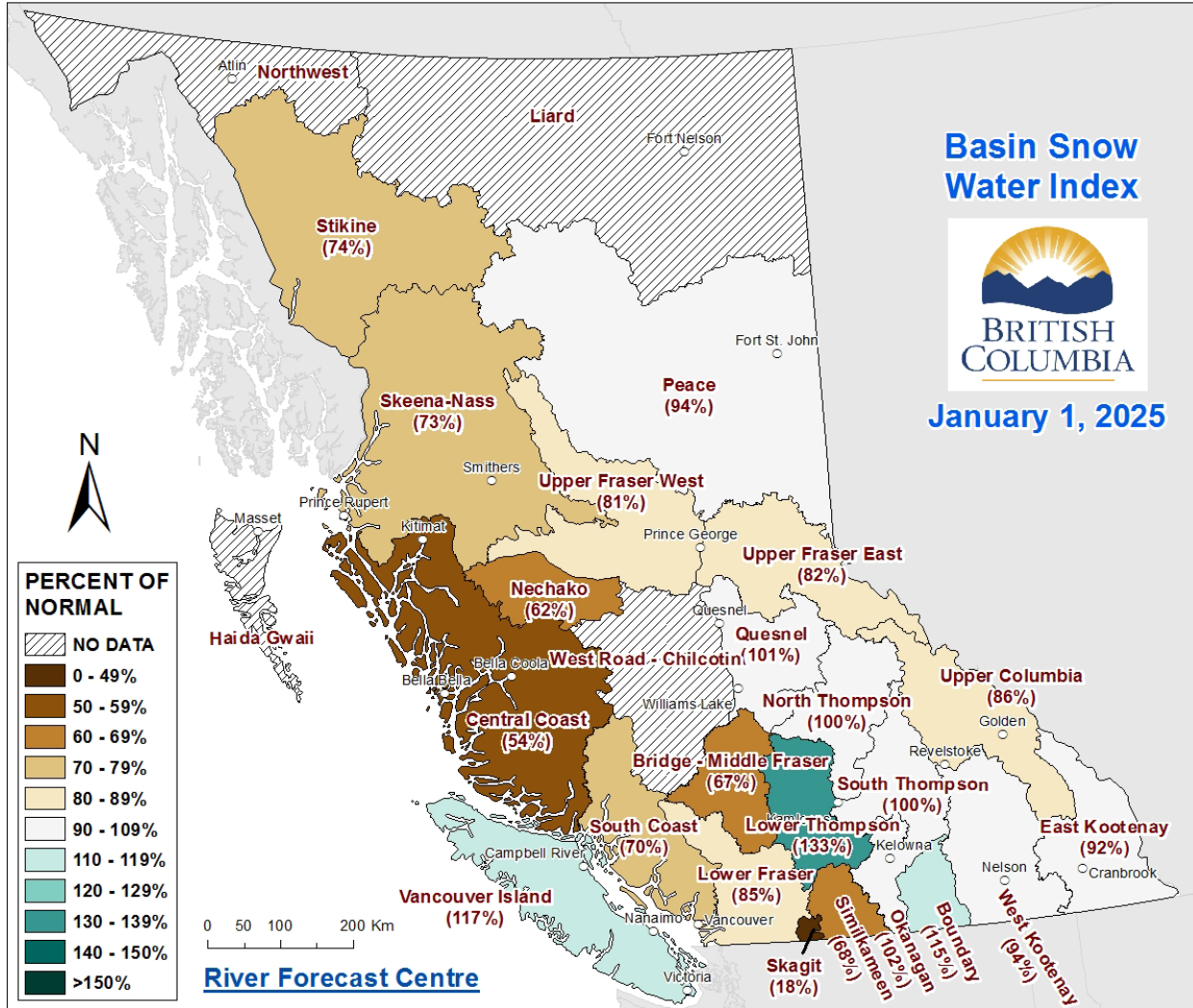
Figure 5: Basin Snow Water Index – January 1<sup>st</sup>, 2025



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Figure 6: Basin Snow Water Index – January 1<sup>st</sup>, 2025 – Colour Friendly

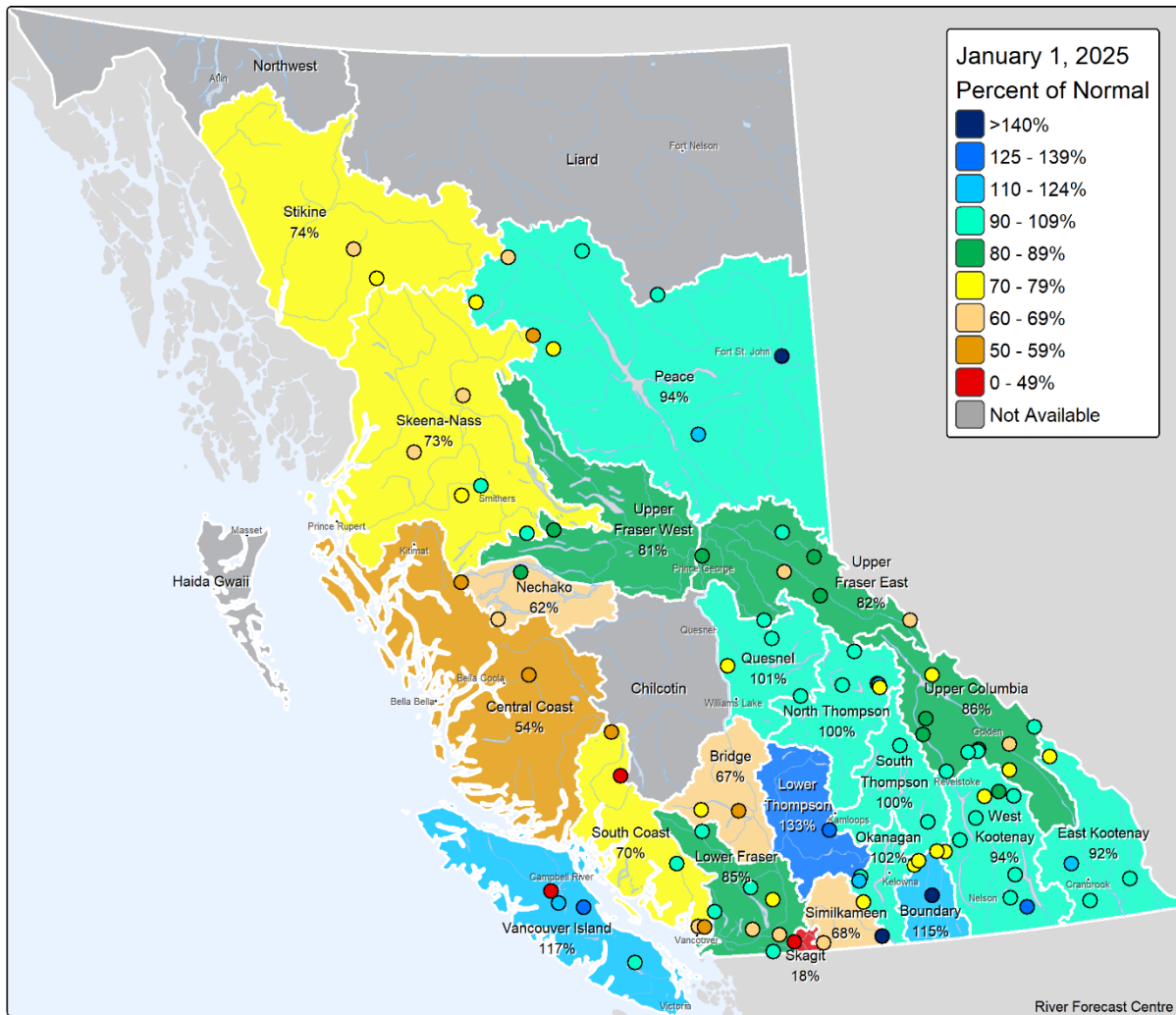


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**Figure 7 - B.C. Snow Station Map - % of Normal**

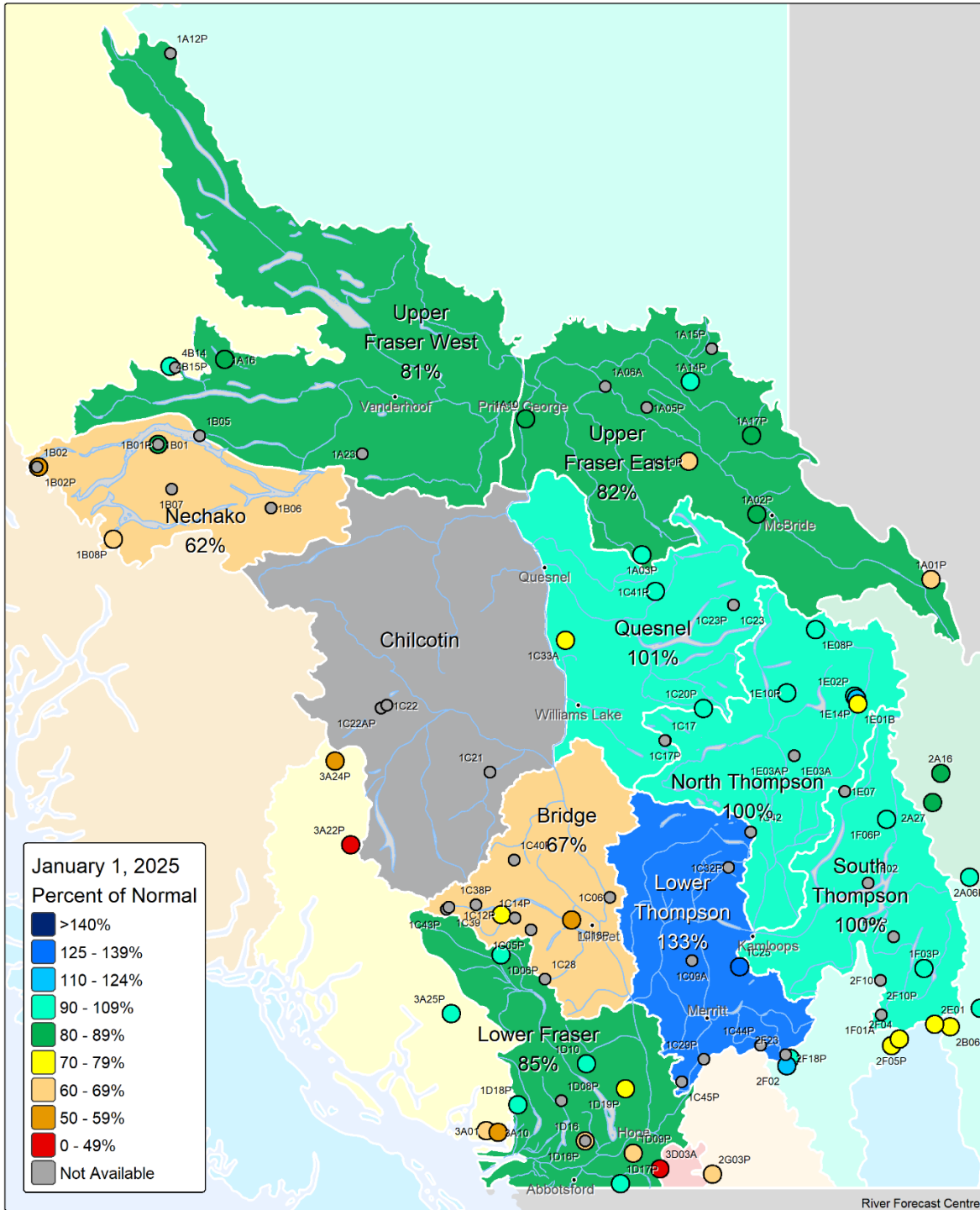


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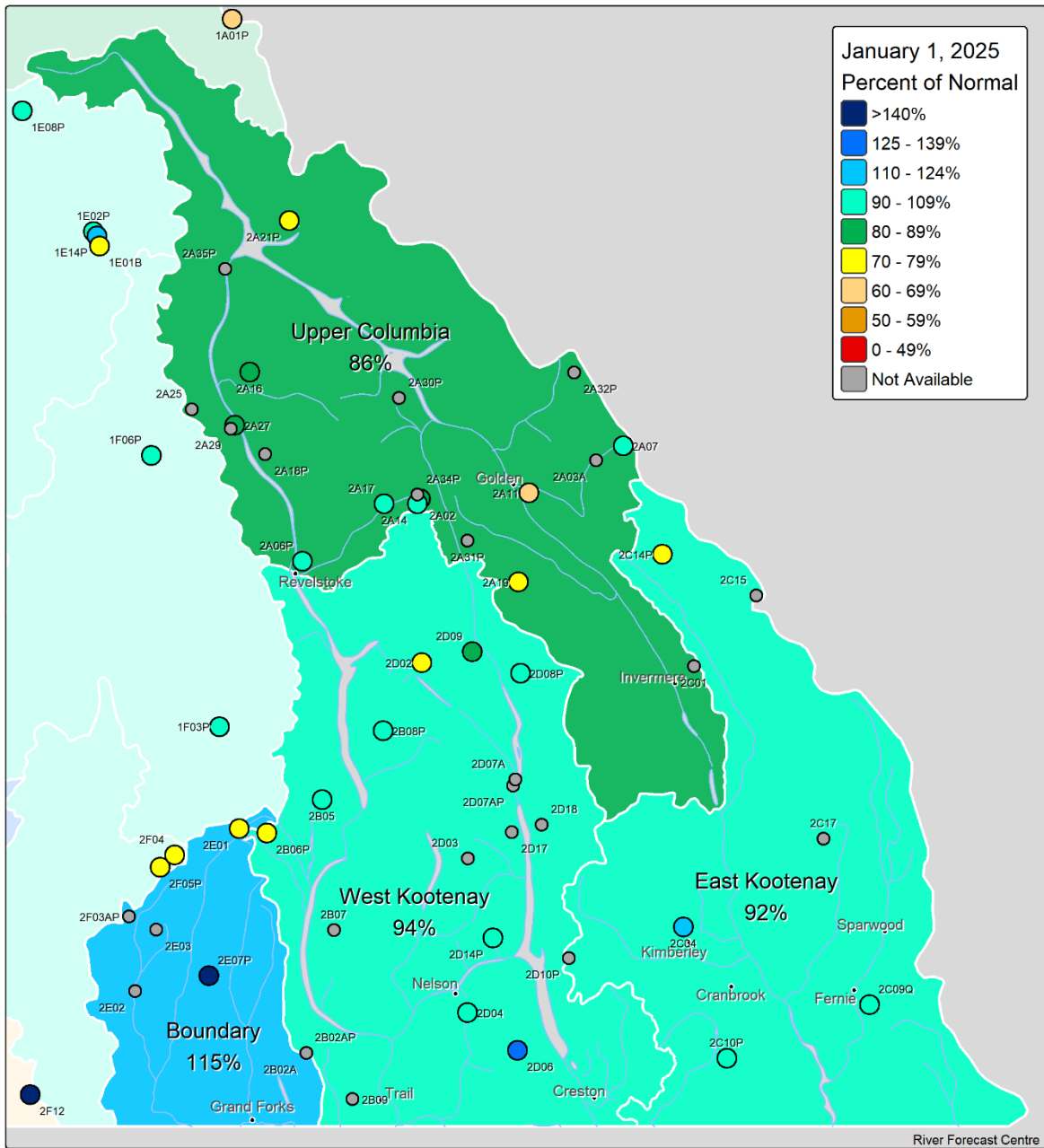
Figure 9 - Fraser River Snow Station Map - % of Normal



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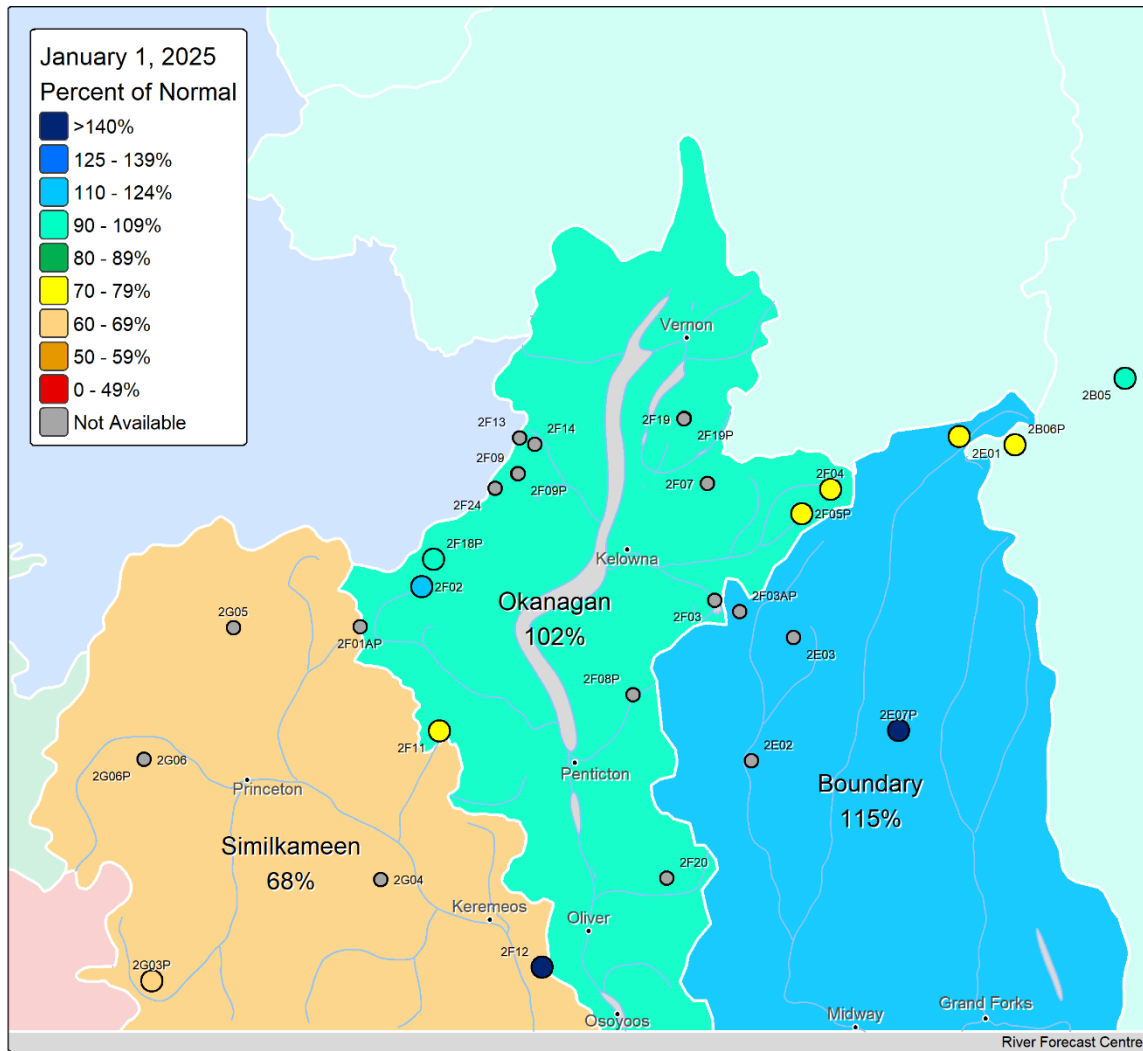
Figure 10 - Kootenay/Columbia Snow Station Map - % of Normal



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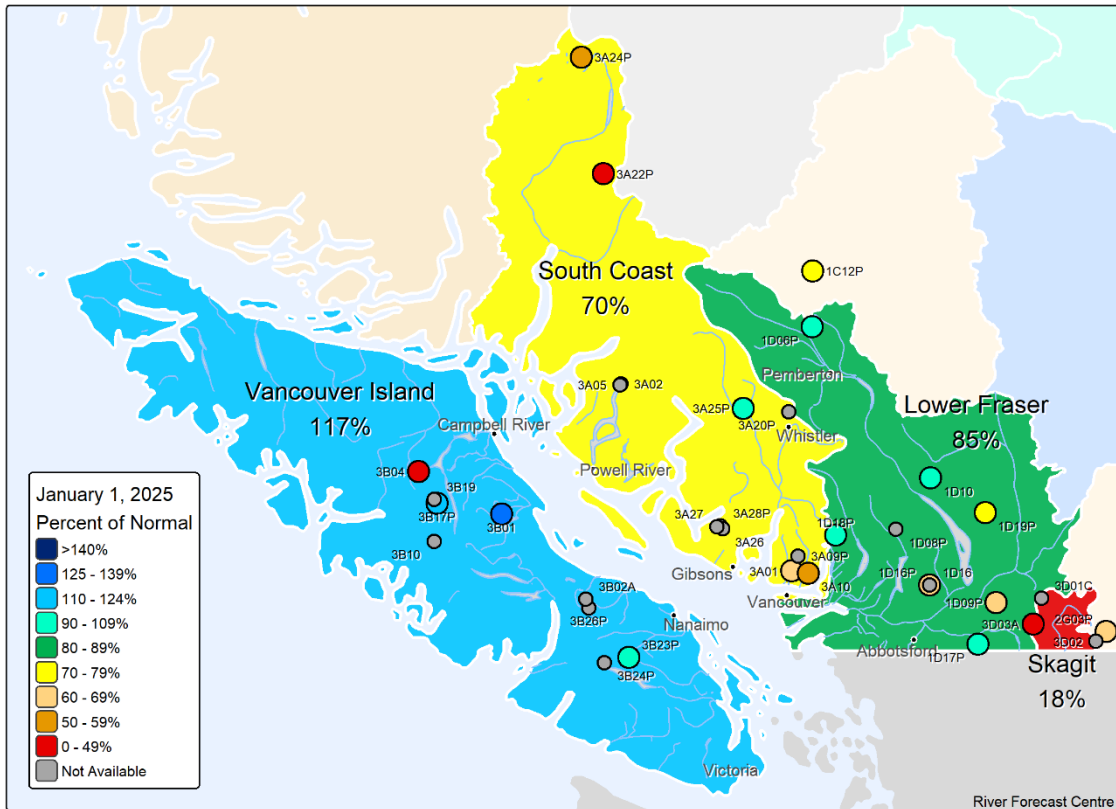
**Figure 11 - South Interior Snow Station Map - % of Normal**



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**Figure 12 - South Coastal Snow Station Map - % of Normal**

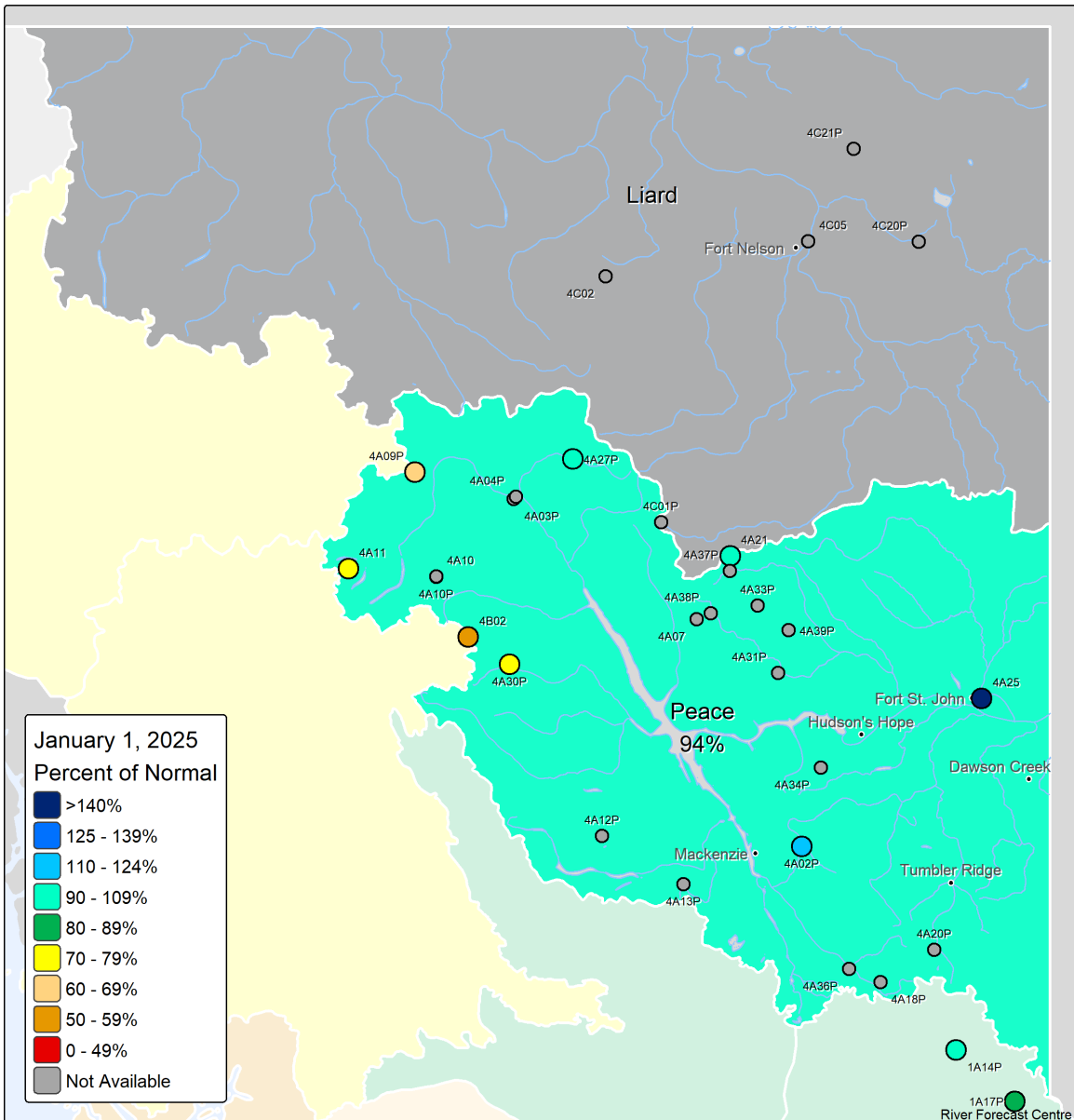


Note: 'Not Available' data could be the result of no scheduled sample, sampling problems, insufficient years or data to calculate a statistic, or other issues.

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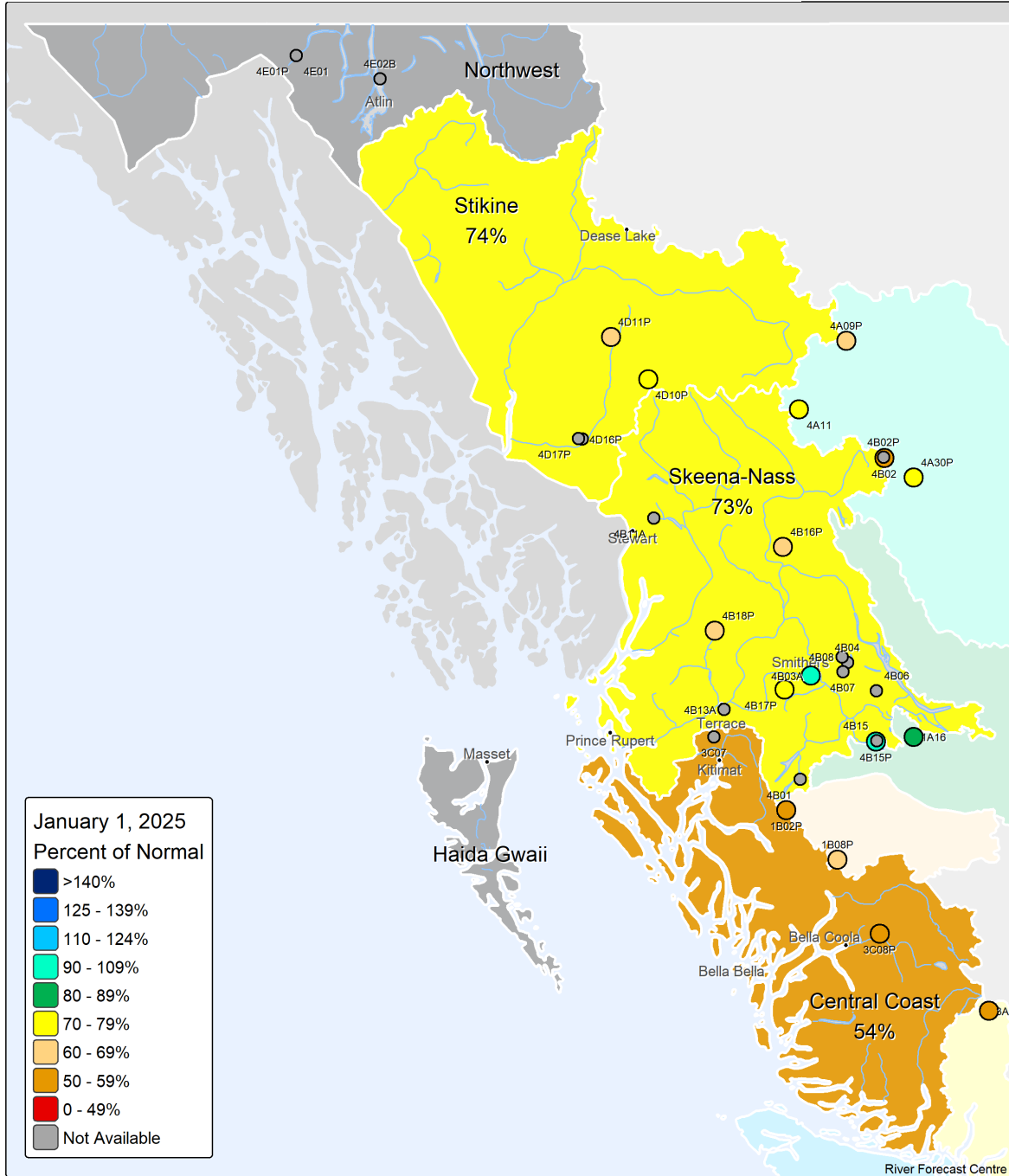
**Figure 13 - Northeast Snow Station Map - % of Normal**



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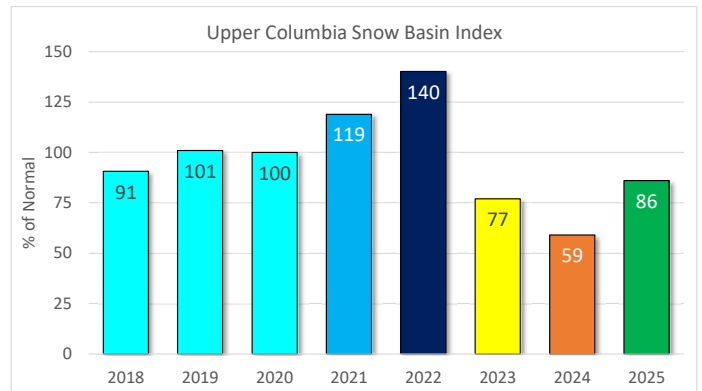
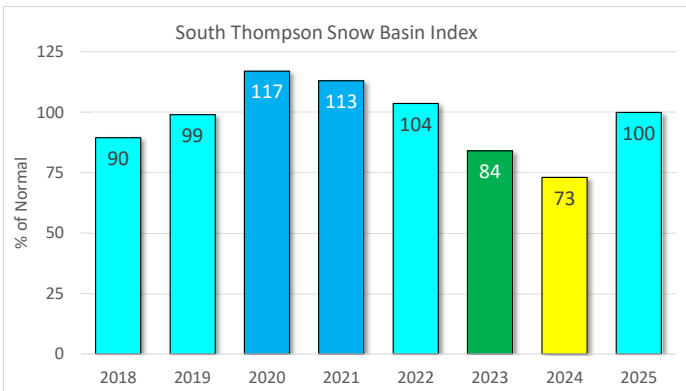
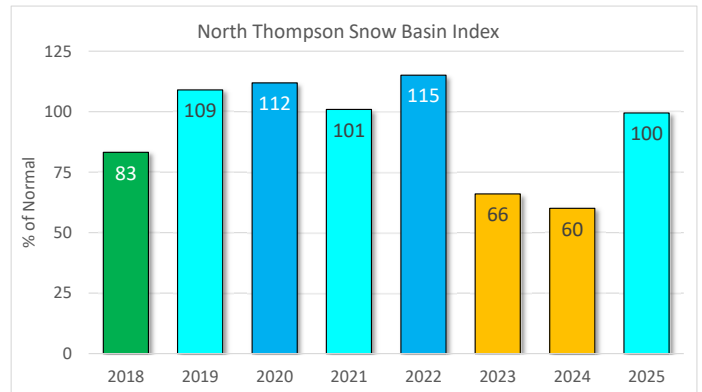
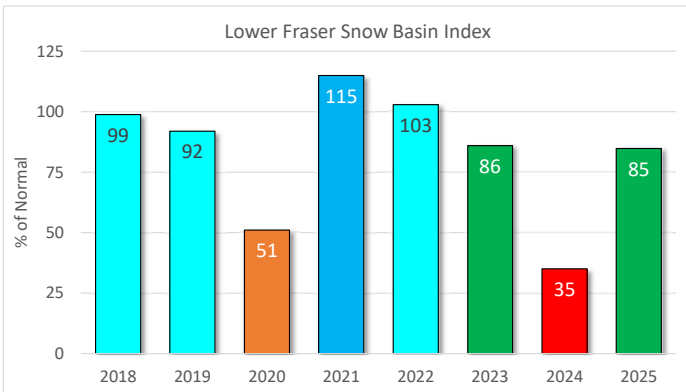
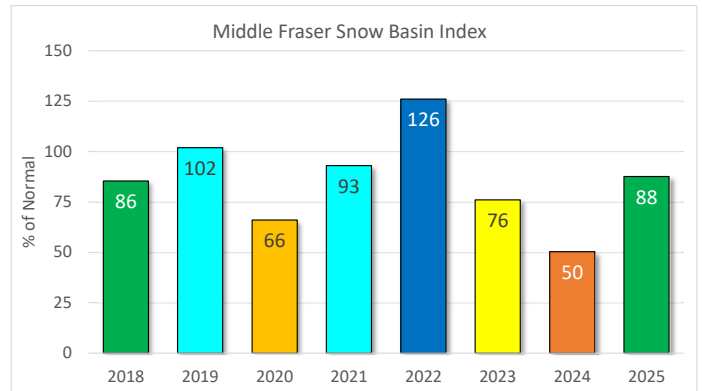
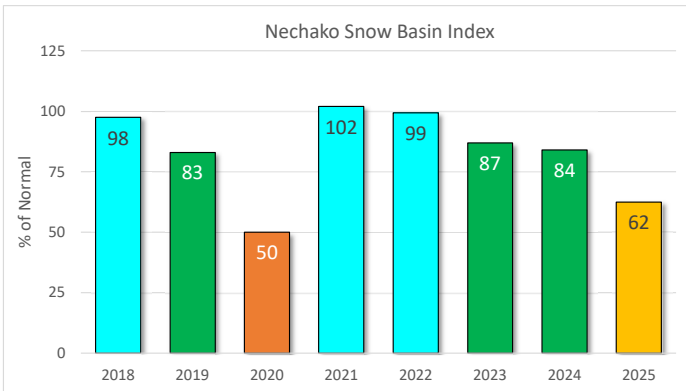
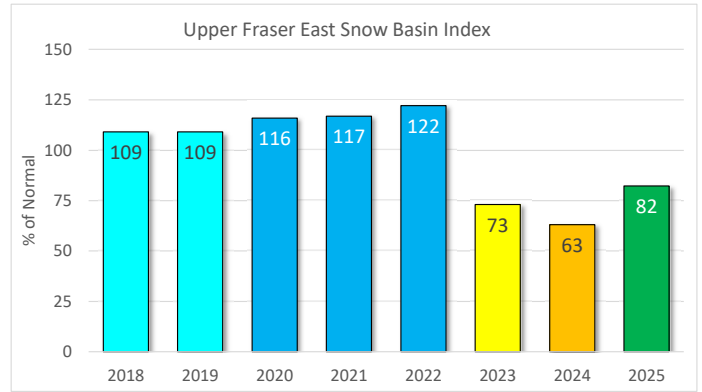
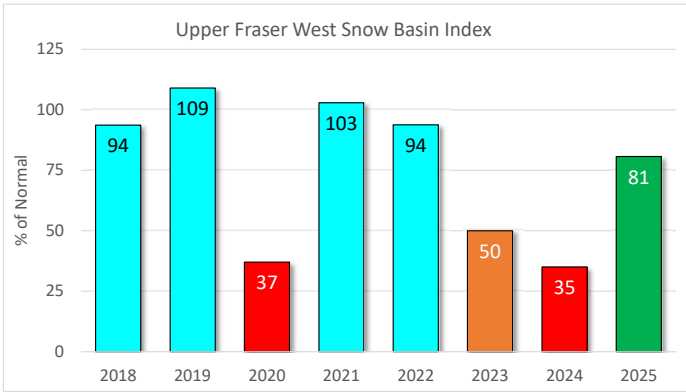
## Snow Survey and Water Supply Bulletin – January 1<sup>st</sup>, 2025

Figure 14 - North Coastal Snow Station Map - % of Normal

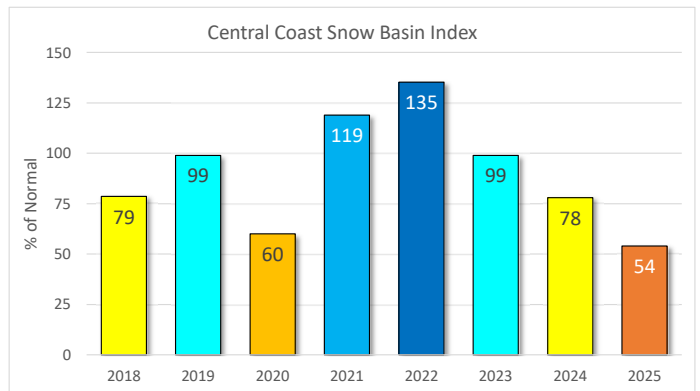
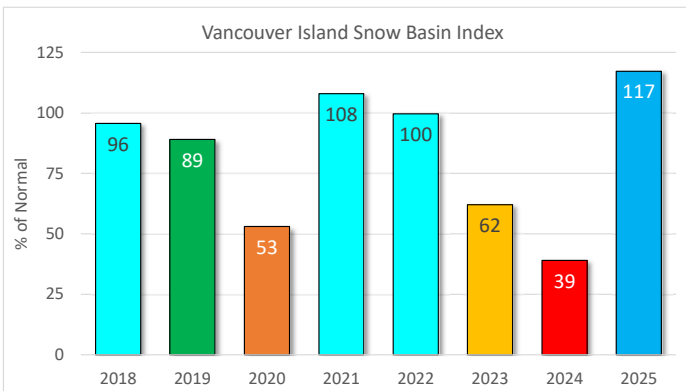
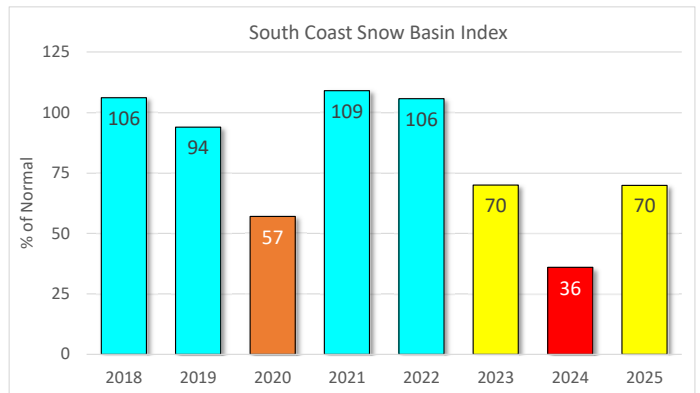
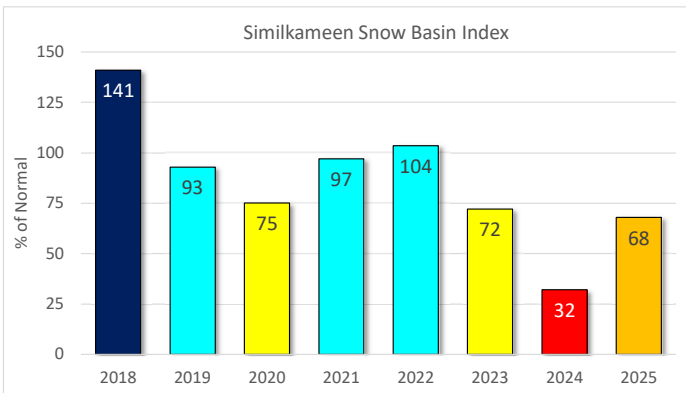
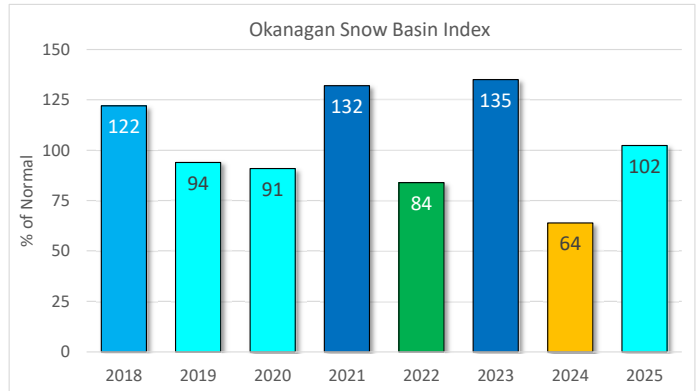
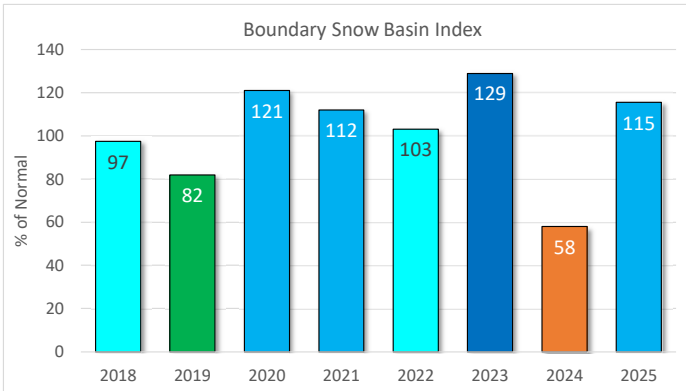
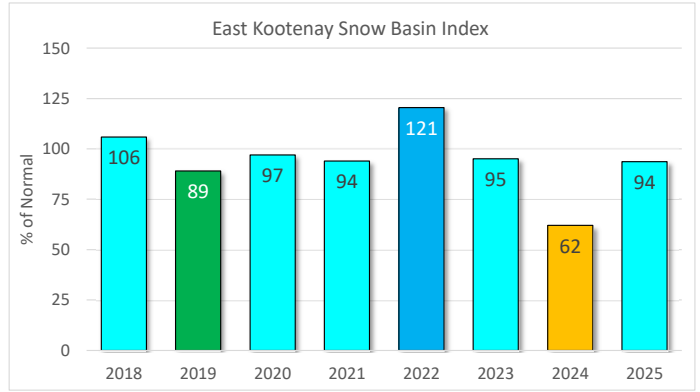
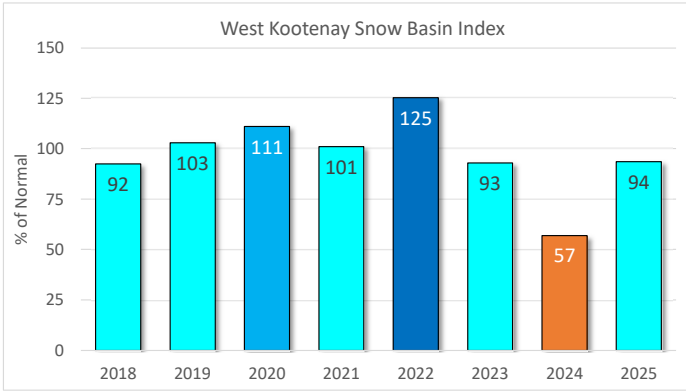


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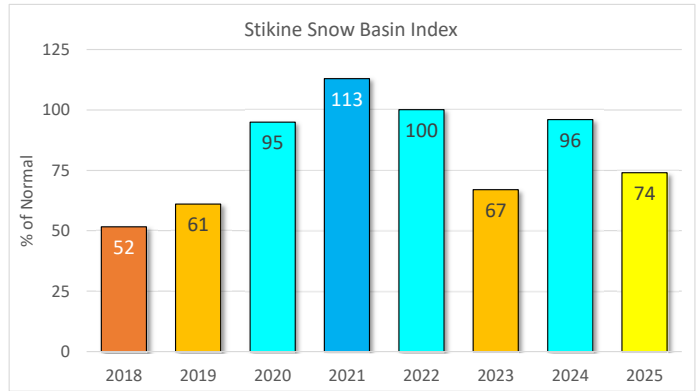
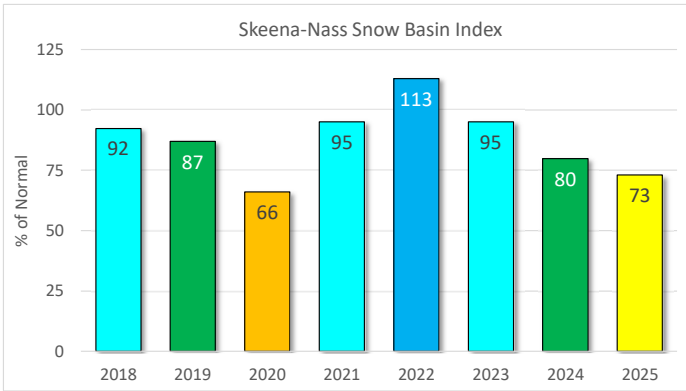
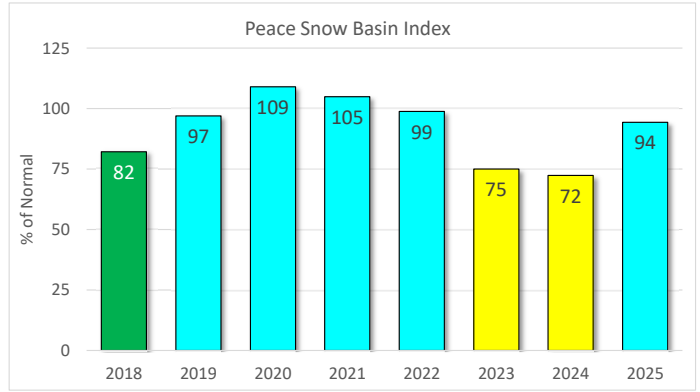
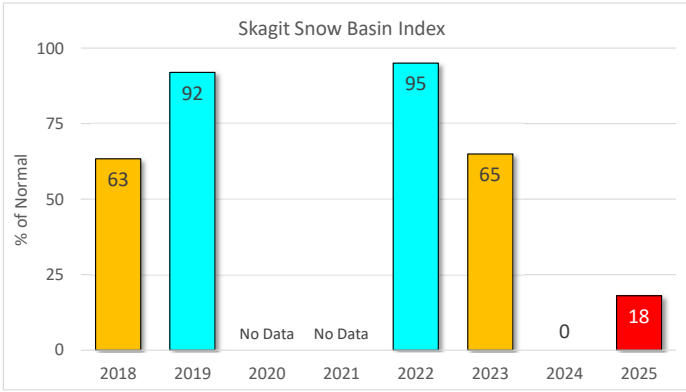




Snow Basin Index Graphs - January 1, 2025



Snow Basin Index Graphs - January 1, 2025



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

UPPER FRASER EAST			January 1, 2025 Data				Jan 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	Snow		Density %	Code	SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
			Depth (cm)	SWE (mm)					SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record		
1A01P	Yellowhead Lake	1860	2025-01-01	79	188	24	67%	12	168	211	153	259	420	280	26
1A02P	McBride Upper	1611	2025-01-01	79	203	26	87%	41	145	203	112	215	383	233	33
1A03P	Barkerville	1520	2025-01-01	63	150	24	107%	47	129	135	38	150	312	140	46
1A05P	Longworth Upper	1740	2025-01-01	156	568	36	N/A	N/A	310	416	192	444	560	N/A	8
1A06A	HANSARD	608	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1A10	PRINCE GEORGE A	689	2025-01-01	27	51	19	85%	33	20	66	0	66	156	60	60
1A14P	Hedrick Lake	1100	2025-01-01	114	365	32	102%	56	216	229	150	357	718	356	25
1A15P	Knudsen Lake	1601	2025-01-01	103	335	33	N/A	N/A	308	336	209	343	584	N/A	8
1A17P	Revolution Creek	1690	2025-01-01	122	316	26	80%	30	243	296	183	403	814	397	36
1A19P	Dome Mountain	1774	2025-01-01	103	233	23	64%	10	298	206	206	345	575	366	17
			<b>Average</b>	<b>94</b>	<b>268</b>	<b>27</b>	<b>85%</b>	<b>33</b>							

<b>Basin Index Calculation</b>	Average SWE	215
	Average Normal	262
<b>Upper Fraser East Basin Index - January 1, 2025</b>		<b>82%</b>

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

UPPER FRASER WEST			January 1, 2025 Data				Jan 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	Snow		Density %	Code	SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
			Depth (cm)	SWE (mm)					SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record		
1A12P	Kaza Lake	1257	2025-01-01	61	181	30	N/A	N/A	105	136	105	155	226	N/A	8
1A16	BURNS LAKE	800	2025-01-03	25	64	26	81%	47	28	40	26	66	192	79	47
1A23	BIRD CREEK	1180	NS	NS	NS	NS	N/A	N/A	NS	NS	68	74	174	N/A	4
			<b>Average</b>	<b>43</b>	<b>123</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	64
	Average Normal	79
<b>Upper Fraser West Basin Index - January 1, 2025</b>		<b>81%</b>

Stations used in Basin Index:  
1A16

NECHAKO			January 1, 2025 Data				Jan 1, 2025 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	Snow		Density %	Code	SWE % of Normal (1991-2020)	Percentile of Historic Record	2024	2023	Minimum	Median	Maximum	1991-2020	
			Depth (cm)	SWE (mm)					SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record		
1B01	MOUNT WELLS	1490	NS	NS	NS	NS	N/A	N/A	NS	NS	220	242	465	N/A	4
1B01P	Mount Wells	1490	2025-01-01		240		80%	30	213	325	146	305	516	302	31
1B02	TAHTSA LAKE	1300	NS	NS	NS	NS	N/A	N/A	NS	NS	295	528	1084	N/A	4
1B02P	Tahtsa Lake	1300	2025-01-01		362		55%	2	597	506	311	617	1169	657	31
1B05	SKINS LAKE	890	NS	NS	NS	NS	N/A	N/A	NS	N	0	53	127	51	35
1B06	MOUNT SWANNELL	1620	NS	NS	NS	NS	N/A	N/A	NS	NS	132	144	247	N/A	4
1B07	NUTLI LAKE	1490	NS	NS	NS	NS	N/A	N/A	NS	NS	130	190	527	N/A	4
1B08P	Mt. Pondosy	1400	2025-01-01		256		62%	9	338	359	184	390	687	415	29
			<b>Average</b>	<b>N/A</b>	<b>286</b>		<b>65%</b>	<b>14</b>							

<b>Basin Index Calculation</b>	Average SWE	286
	Average Normal	458
<b>Nechako Basin Index - January 1, 2025</b>		<b>62%</b>

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

LOWER THOMPSON			January 1, 2025 Data					Jan 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)	
1C06	PAVILION	1230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	25	80	N/A	10
1C09A	HIGHLAND VALLEY	1510	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	12	41	104	N/A	11
1C25	LAC LE JEUNE (UPPER)	1509	2025-01-02	44	93	21		133%	82	25	140	10	61	146	70	52
1C29P	Shovelnose Mountain	1460	2025-01-01	37	87	24		N/A	N/A	52	158	52	95	158	N/A	6
1C32P	Deadman River	1460	2025-01-01	12	35	29		N/A	N/A	53	101	53		101	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	2025-01-01	22	58	26		N/A	N/A	44	N/A	44		44	N/A	1
1C45P	July Mountain	1860	2025-01-01	113	344	30		N/A	N/A	326	N/A	326		326	N/A	1
			<b>Average</b>	<b>46</b>	<b>123</b>	<b>26</b>		<b>133%</b>	<b>82</b>							

<b>Basin Index Calculation</b>	Average SWE	93
	Average Normal	70
<b>Lower Thompson Basin Index - January 1, 2025</b>		<b>133%</b>

Stations used in Basin Index:  
1C25

BRIDGE / LILLOOET			January 1, 2025 Data					Jan 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)	
1C05P	McGillivray Pass	1718	2025-01-01		109			N/A	N/A	115	191	115	191	294	N/A	7
1C12P	Green Mountain	1780	2025-01-01		314			74%	23	256	281	90	392	756	426	31
1C14P	Bralorne	1382	2025-01-01	34	78	23		N/A	N/A	50	83	36	83	121	N/A	7
1C18P	Mission Ridge	1850	2025-01-01		148			57%	2	133	239	133	238	659	262	48
1C28	DUFFEY LAKE	1200	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1C38P	Downton Lake Upper	1829	2025-01-01		375			N/A	35	326	309	182	419	629	N/A	9
1C39	BRIDGE GLACIER (LOWER)	1390	NS	NS	NS	NS	NS	N/A	N/A	NS	222	74	296	466	287	26
1C40P	North Tyaughton	1969	2025-01-01		139			N/A	22	100	154	62	184	304	N/A	9
1C43P	Bridge Glacier Proglacial Lake	1505	2025-01-01	146	354	24		N/A	N/A	304	365	304		365	N/A	2
			<b>Average</b>	<b>90</b>	<b>217</b>	<b>24</b>		<b>65%</b>	<b>20</b>							

<b>Basin Index Calculation</b>	Average SWE	231
	Average Normal	344
<b>Bridge/Lillooet Basin Index - January 1, 2025</b>		<b>67%</b>

Stations used in Basin Index:  
1C12P, 1C18P

CHILCOTIN			January 1, 2025 Data					Jan 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)	
1C21	BIG CREEK	1140	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	10	30	68	30	29
1C22	PUNTZI MOUNTAIN	940	NS	NS	NS	NS	NS	N/A	N/A	0	NS	0	34	106	35	45
1C22AP	Puntzi Mountain	920	2025-01-01		27			N/A	N/A	0		0		0	N/A	1
			<b>Average</b>	<b>N/A</b>	<b>27</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	N/A
	Average Normal	N/A
<b>Chilcotin Basin Index - January 1, 2025</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

QUESNEL			January 1, 2025 Data				Jan 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)	
1C17	MOUNT TIMOTHY	1660	NS	NS	NS	NS	NS	N/A	N/A	46	144	38	144	350	163	25
1C17P	Mount Timothy	1630	2025-01-01	64	140	22		N/A	N/A	89		89		89	N/A	1
1C20P	Boss Mountain Mine	1460	2025-01-01	112	303	27		107%	62	149	217	55	270	495	284	31
1C23	PENFOLD CREEK	1685	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	525		525	N/A	1
1C23P	Penfold Creek	1740	2025-01-01	182	591	32		N/A	N/A	352	391	352		391		2
1C33A	GRANITE MOUNTAIN	1150	2024-12-27	35	64	18		71%	24	30	NS	30	97	124	91	18
1C41P	Yanks Peak East	1670	2025-01-01	139	425	31		105%	56	260	304	206	420	598	406	28
			<b>Average</b>	<b>106</b>	<b>305</b>	<b>26</b>		<b>94%</b>	<b>47</b>							

<b>Basin Index Calculation</b>	Average SWE	264
	Average Normal	260
<b>Quesnel Basin Index - January 1, 2025</b>		<b>101%</b>

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

### MIDDLE FRASER

<b>Basin Index Calculation</b>	Average SWE	225
	Average Normal	256
<b>Middle River Basin Index - January 1, 2025</b>		<b>88%</b>

Stations used in Basin Index:  
1C12P, 1C17, 1C18P, 1C25, 1C33A, 1C41P

LOWER FRASER			January 1, 2025 Data				Jan 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)	
1D06P	Tenquille Lake	1680	2025-01-01	148	449	30		96%	44	305	406	221	464	795	466	24
1D08P	Lamont Creek Upper	1217	2025-01-01	184	586	32		N/A	N/A	138	377	138	377	623	N/A	3
1D09P	Wahleach Lake Upper	1480	2025-01-01		262			68%	21	154	315	154	317	640	386	31
1D10	NAHATLATCH RIVER	1550	2025-01-01	177	568	32		92%	57	204	465	204	552	975	617	24
1D16	DICKSON LAKE	1160	2025-01-01	132	434	33		65%	23	102	576	102	608	1196	663	26
1D16P	Dickson Lake	1155	2025-01-01	137	392	29		N/A	N/A	81		81		81	N/A	1
1D17P	Chilliwack River	1600	2025-01-01	143	660	46		101%	53	332	749	332	656	1161	654	31
1D18P	Disappointment Lake	1050	2025-01-01	133	623	47		94%	52	N/A	N/A	275	592	1304	661	12
1D19P	Spuzzum	1180	2025-01-01	141	435	31		73%	29	172	443	172	596	1270	599	26
			<b>Average</b>	<b>149</b>	<b>490</b>	<b>35</b>		<b>84%</b>	<b>40</b>							

<b>Basin Index Calculation</b>	Average SWE	490
	Average Normal	578
<b>Lower Fraser Basin Index - January 1, 2025</b>		<b>85%</b>

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

NORTH THOMPSON			January 1, 2025 Data				Jan 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)	
1E01B	BLUE RIVER	670	2025-01-02	42	105	25		70%	16	32	125	32	151	263	149	36
1E02P	Mount Cook	1550	2025-01-01	198	601	30		93%	47	423	380	380	642	1075	643	20
1E03A	TROPHY MOUNTAIN	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1E03AP	TROPHY MOUNTAIN	1880	2025-01-01	98	284	29		N/A	N/A	220		220		220	N/A	1
1E07	ADAMS RIVER	1720	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	205	293	475	N/A	14
1E08P	Azure River	1652	2025-01-01	180	595	33		103%	55	382	403	382	577	769	575	24
1E10P	Kostal Lake	1770	2025-01-01	163	456	28		106%	63		278	278	428	615	429	37
1E14P	Cook Creek	1280	2025-01-01	101	277	27		112%	67	164	182	120	244	364	247	15
			<b>Average</b>	<b>130</b>	<b>386</b>	<b>29</b>		<b>97%</b>	<b>50</b>							

<b>Basin Index Calculation</b>	Average SWE	407
	Average Normal	409
<b>North Thompson Basin Index - January 1, 2025</b>		<b>100%</b>

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

SOUTH THOMPSON			January 1, 2025 Data				Jan 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)	
1F01A	ABERDEEN LAKE	1310	2025-01-03	33	55	17		N/A	24	40	NS	38	83	138	N/A	11
1F02	ANGLEMONT	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	164		164	N/A	1
1F03P	Park Mountain	1890	2025-01-01	134	391	29		95%	50	278	382	256	392	632	410	40
1F04P	Enderby	1950	2025-01-01	175	561	32		N/A	N/A	387	512	387	534	776	N/A	8
1F06P	Celista Mountain	1500	2025-01-01	178	440	25		104%	50	308	315	305	443	506	422	19
			<b>Average</b>	<b>130</b>	<b>362</b>	<b>26</b>		<b>100%</b>	<b>41</b>							

<b>Basin Index Calculation</b>	Average SWE	416
	Average Normal	416
<b>South Thompson Basin Index - January 1, 2025</b>		<b>100%</b>

Stations used in Basin Index:  
1F03P, 1F06P

### FRASER RIVER

<b>Basin Index Calculation</b>	Average SWE	334
	Average Normal	389
<b>Fraser River Basin Index - January 1, 2025</b>		<b>86%</b>

Stations used in Basin Index:  
1A01P, 1A02P, 1A03P, 1A10, 1A14P, 1A16, 1A17P, 1A19P, 1B01P, 1B02P, 1B08P, 1C12P, 1C17, 1C18P, 1C25, 1C33A, 1C41P  
1D06P, 1D09P, 1D10, 1D16, 1D17P, 1D18P, 1D19P, 1E01B, 1E02P, 1E08P, 1E10P, 1E14P, 1F03P, 1F06P

UPPER COLUMBIA			January 1, 2025 Data				Jan 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)	
2A02	GLACIER	1250	2024-12-29	108	267	25		86%	30	217	253	147	307	519	310	54
2A03A	FIELD	1285	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	38	91	127	83	12
2A06P	Mount Revelstoke	1850	2025-01-01		535			94%	39	359	478	293	568	861	568	31
2A07	KICKING HORSE	1650	2024-12-30	56	130	23		90%	34	118	92	66	156	257	145	45
2A11	BEAVERFOOT	1890	2025-01-07	38	72	19		69%	14	90	72	52	100	215	105	38
2A14	MOUNT ABBOT	2010	2024-12-30	184	566	31		94%	46	432	431	298	589	1065	601	40
2A16	GOLDSTREAM	1920	2025-01-07	165	497	30		85%	22	302	N	302	584	906	585	37
2A17	FIDELITY MOUNTAIN	1870	2024-12-28	188	546	29		90%	43	353	444	331	590	1228	603	50
2A18P	Keystone Creek	1840	2025-01-01		542			N/A	N/A	274	322	274	445	518	N/A	8
2A19	VERMONT CREEK	1520	2025-01-07	62	151	24		72%	21	136	186	91	200	328	209	37
2A21P	Molson Creek	1935	2025-01-01		420			73%	22	279	418	279	539	1072	573	44
2A25	KIRBYVILLE LAKE	1750	N	N	N	N	N	N/A	N/A	346	529	351	596	830	609	36
2A27	DOWNIE SLIDE (LOWER)	980	2025-01-07	106	268	25		85%	37	164	266	164	301	504	314	34
2A29	DOWNIE SLIDE (UPPER)	1630	N	N	N	N	N	N/A	N/A	356	552	335	642	1022	688	33
2A30P	Colpitti Creek	2131	2025-01-01	137	411	30		N/A	52	267	271	204	403	606	N/A	15
2A31P	Caribou Creek Upper	2201	2025-01-01		407			N/A	25	278	333	278	465	681	N/A	9
2A32P	Wildcat Creek	2122	2025-01-01		279			N/A	42	206	221	206	295	474	N/A	9
2A34P	Glacier NP Rogers Pass Lower	1182	2025-01-01	86	180	21		N/A	N/A	193	214	193	214	442	N/A	3
2A35P	Fred Laing Lower	577	2025-01-01	62	237	38		N/A	N/A	126	196	126		196	N/A	2
			<b>Average</b>	<b>108</b>	<b>344</b>	<b>27</b>		<b>84%</b>	<b>33</b>							

<b>Basin Index Calculation</b>	Average SWE	345
	Average Normal	401
<b>Upper Columbia Basin Index - January 1, 2025</b>		<b>86%</b>

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

WEST KOOTENAY			January 1, 2025 Data					Jan 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	NS	NS	NS	NS	NS	N/A	N/A	NS	N	40	143	330	144	37
2B02AP	Farron	1230	2025-01-01	98	288	29		N/A	N/A						N/A	0
2B05	WHATSHAN (UPPER)	1525	2025-01-07	110	312	28		102%	64	146	277	146	277	543	307	31
2B06P	Barnes Creek	1620	2025-01-01		204			79%	18	147	241	130	247	405	258	32
2B07	KOCH CREEK	1860	N	N	N	N	N	N/A	N/A	202	N	170	318	473	357	26
2B08P	St. Leon Creek	1800	2025-01-01		449			92%	37	316	378	221	486	855	489	30
2B09	RECORD MOUNTAIN	1890	N	N	N	N	N	N/A	N/A	191	354	134	319	575	335	36
2D02	FERGUSON	929	2025-01-02	84	190	23		75%	27	144	270	93	260	409	253	45
2D03	SANDON	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	157		157	N/A	1
2D04	NELSON	930	2025-01-06	61	145	24		92%	43	40	182	40	152	366	157	64
2D06	CHAR CREEK	1310	2025-01-03	107	290	27		125%	88	126	243	110	224	480	233	41
2D07A	DUNCAN LAKE NO. 2	630	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2D07AP	Duncan Lake Dam 2	559	2025-01-01	3	10	33		N/A	N/A	8	79	8	78	105	N/A	5
2D08P	East Creek	2030	2025-01-01		404			92%	43	288	352	206	418	858	438	44
2D09	MOUNT TEMPLEMAN	1860	2025-01-07	138	427	31		80%	32	286	410	277	520	902	536	24
2D10P	GRAY CREEK (UPPER)	1930	2025-01-01	114	347	30		N/A	N/A	229	416	229	393	416	N/A	4
2D14P	Redfish Creek	2104	2025-01-01	177	636	36		107%	53	375	643	364	624	810	597	23
2D17	Lost Ledge	2050	2025-01-02	153	502	33		N/A	N/A	305	272	272	305	613	N/A	3
2D18	Purcell	2060	2024-12-31	114	307	27		N/A	N/A	306	390	306	390	631	N/A	3
			<b>Average</b>	<b>105</b>	<b>322</b>	<b>29</b>		<b>94%</b>	<b>45</b>							

<b>Basin Index Calculation</b>	Average SWE	340
	Average Normal	363
<b>West Kootenay Basin Index - January 1, 2025</b>		<b>94%</b>

Stations used in Basin Index:  
2B05, 2B06P, 2B08P, 2D02, 2D04, 2D06, 2D08P, 2D09, 2D14P

EAST KOOTENAY			January 1, 2025 Data					Jan 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	25	53	107	N/A	13
2C04	SULLIVAN MINE	1550	2025-01-03	51	144	28		117%	70	94	154	29	115	226	123	38
2C09Q	Morrissey Ridge	1860	2025-01-01		269			93%	54	148	276	123	255	706	291	40
2C10P	Moyie Mountain	1930	2025-01-01	76	192	25		105%	70	86	213	76	171	354	183	45
2C14P	Floe Lake	2090	2025-01-01	102	267	26		77%	14	233	274	172	334	563	346	30
2C15	MOUNT ASSINIBOINE	2230	N	N	N	N	N	N/A	N/A	173	231	111	263	567	273	36
2C17	THUNDER CREEK	2010	N	N	N	N	N	N/A	N/A	114	N	61	119	276	133	34
			<b>Average</b>	<b>76</b>	<b>218</b>	<b>27</b>		<b>98%</b>	<b>52</b>							

<b>Basin Index Calculation</b>	Average SWE	218
	Average Normal	236
<b>East Kootenay Basin Index - January 1, 2025</b>		<b>92%</b>

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

BOUNDARY			January 1, 2025 Data					Jan 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	2025-01-07	51	124	24		79%	23	86	170	84	159	245	158	40
2E02	CARMI	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	86		102	N/A	2
2E03	BIG WHITE MOUNTAIN	1680	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	112	212	326	261	17
2E07P	Grano Creek	1860	2025-01-01	97	297	31		144%	90	121	302	93	205	319	207	27
2F03AP	McCulloch	1245	2025-01-01	34	213	63		N/A	N/A						N/A	0
			<b>Average</b>	<b>74</b>	<b>211</b>	<b>27</b>		<b>111%</b>	<b>56</b>							



<b>Basin Index Calculation</b>	Average SWE	211
	Average Normal	182
<b>Boundary Basin Index - January 1, 2025</b>		<b>115%</b>

Stations used in Basin Index:  
2E01, 2E07P

OKANAGAN			January 1, 2025 Data				Jan 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)	
2F01AP	Trout Creek West	1420	2025-01-01	35	126	36		N/A	N/A	92	191	83	136	191	N/A	7
2F02	SUMMERLAND RESERVOIR	1280	2025-01-03	56	130	23		121%	73	64	212	42	109	212	108	60
2F03	MCCULLOCH	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	28	86	144	N/A	31
2F04	GRAYSTOKE LAKE	1840	2025-01-03	56	120	21		78%	19	100	186	96	144	278	154	19
2F05P	Mission Creek	1780	2025-01-01	76	180	24		79%	26	136		104	219	364	229	54
2F07	POSTILL LAKE	1370	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2F08P	Greyback Reservoir	1550	2025-01-01	45	99	22		N/A	N/A	89	151	81	116	151	N/A	8
2F09	WHITEROCKS MOUNTAIN	1830	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	122	259	447	N/A	22
2F09P	Whiterocks Mountain	1800	2025-01-01	115	349	30		N/A	N/A	159	379	159		379	N/A	2
2F10	Silver Star Mountain	1840	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	163	342	565	N/A	35
2F10P	Silver Star Mountain	1839	2025-01-01	120	359	30		N/A	38	230	415	230	393	483	N/A	9
2F11	ISINTOK LAKE	1680	2025-01-03	30	55	18		72%	24	71	122	16	79	196	76	58
2F12	MOUNT KOBAU	1810	2024-12-31	86	242	28		187%	97	78	181	28	113	261	129	46
2F13	ESPERON CR (UPPER)	1650	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2F14	ESPERON CR (MIDDLE)	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2F18P	Brenda Mine	1460	2025-01-01	65	156	24		94%	57	102	217	102	151	302	166	29
2F19	OYAMA LAKE	1340	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2F19P	OYAMA LAKE	1360	2025-01-01	34	75	22		N/A	N/A	64	127	64	109	148	N/A	4
2F20	VASEUX CREEK	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	32	60	117	N/A	19
2F23	MACDONALD LAKE	1740	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	81	178	328	N/A	16
2F24	ISLAHT LAKE	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	224		224	N/A	1
<b>Average</b>				<b>65</b>	<b>172</b>	<b>25</b>		<b>105%</b>	<b>48</b>							

<b>Basin Index Calculation</b>	Average SWE	147
	Average Normal	144
<b>Okanagan Basin Index - January 1, 2025</b>		<b>102%</b>

Stations used in Basin Index:  
2F02, 2F04, 2F05P, 2F11, 2F12, 2F18P

SIMILKAMEEN			January 1, 2025 Data				Jan 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)	
2G03P	Blackwall Peak	1940	2025-01-01	104	270	26		68%	22	127	287	108	354	923	398	57
2G04	LOST HORSE MOUNTAIN	1920	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	54	97	120	N/A	7
2G05	MISSEZULA MOUNTAIN	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	21	86	197	96	17
2G06	HAMILTON HILL	1490	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	55	148	313	N/A	15
2G06P	Hamilton Hill	1480	2025-01-01	25	96	38		N/A	N/A						N/A	0
<b>Average</b>				<b>65</b>	<b>183</b>	<b>32</b>		<b>68%</b>	<b>22</b>							

<b>Basin Index Calculation</b>	Average SWE	270
	Average Normal	398
<b>Similkameen Basin Index - January 1, 2025</b>		<b>68%</b>

Stations used in Basin Index:  
2G03P

SOUTH COAST			January 1, 2025 Data				Jan 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)	
3A01	GROUSE MOUNTAIN	1100	2024-12-30	108	341	32		65%	28	120	344	24	470	878	521	44

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				N/A	0
3A09P	Palisade Lake	900	2025-01-01	87	270	31		N/A	N/A	1	438	1	457	636	N/A	6
3A10	DOG MOUNTAIN	1080	2024-12-30	88	292	33		59%	20	92	342	78	498	897	497	38
3A20P	Callaghan	1017	2025-01-01					N/A	N/A	148	228	148	317	481	N/A	6
3A22P	Nostetuko River	1500	2025-01-01	53	124	23		48%	18	154	193	32	224	540	257	31
3A24P	Mosley Creek Upper	1650	2025-01-01	32	106	33		56%	3	143	158	85	177	491	188	35
3A25P	Squamish River Upper	1340	2025-01-01	166	646	39		93%	52	292	483	289	644	1160	697	34
3A26	CHAPMAN CREEK	1022	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A27	EDWARDS LAKE	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A28P	Tetrahedron	1420	2025-01-01	239	906	38		N/A	N/A	371	421	74	601	744	N/A	7
<b>Average</b>				<b>110</b>	<b>384</b>	<b>33</b>		<b>64%</b>	<b>24</b>							

<b>Basin Index Calculation</b>	Average SWE	302
	Average Normal	432
<b>South Coast Basin Index - January 1, 2025</b>		<b>70%</b>

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

VANCOUVER ISLAND			January 1, 2025 Data					Jan 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)	
3B01	FORBIDDEN PLATEAU	1100	2025-01-06	231	829	36		134%	84	236	367	0	569	1287	618	40
3B02A	MOUNT COKELY	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3B04	ELK RIVER	270	2025-01-06	0	0			0%	N/A	0	55	0	40	264	46	37
3B10	UPPER THELWOOD LAKE	990	2025-01-06	159	578	36		N/A	N/A	NS	NS	546	578	734	N/A	4
3B17P	Wolf River Upper	1490	2025-01-01		665			121%	78	320	323	141	540	1057	550	37
3B19	WOLF RIVER (LOWER)	640	N	N	N	N	N	N/A	N/A	N	106	0	132	388	168	30
3B23P	Jump Creek	1160	2025-01-01	99	411	42		101%	51		302	6	392	1054	409	26
3B24P	Heather Mountain Upper	1190	2025-01-01	126	514	41		N/A	54	81	334	81	490	691	N/A	9
3B26P	Mount Arrowsmith	1465	2025-01-01	134	435	32		N/A	N/A	108	204	108	376	493	N/A	7
<b>Average</b>				<b>125</b>	<b>490</b>	<b>37</b>		<b>89%</b>	<b>67</b>							

<b>Basin Index Calculation</b>	Average SWE	476
	Average Normal	406
<b>Vancouver Island Basin Index - January 1, 2025</b>		<b>117%</b>

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

CENTRAL COAST			January 1, 2025 Data					Jan 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)	
3C07	WEDEENE RIVER SOUTH	220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	242		242	N/A	1
3C08P	Burnt Bridge Creek	1330	2025-01-01		218			54%	4	315	400	146	399	696	404	26
<b>Average</b>				<b>N/A</b>	<b>218</b>	<b>N/A</b>		<b>54%</b>	<b>4</b>							

<b>Basin Index Calculation</b>	Average SWE	218
	Average Normal	404
<b>Central Coast Basin Index - January 1, 2025</b>		<b>54%</b>

Stations used in Basin Index:  
3C08P

SKAGIT			January 1, 2025 Data					Jan 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)	
3D01C	SUMALLO RIVER WEST	790	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	47	82	114	N/A	3
3D02	LIGHTNING LAKE	1220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3D03A	KLESILKWA	1175	2025-01-01	14	22	16		18%	10	0	79	0	110	386	121	32
<b>Average</b>				<b>14</b>	<b>22</b>	<b>16</b>		<b>18%</b>	<b>10</b>							

Basin Index Calculation	Average SWE	22
	Average Normal	121
Skagit Basin Index - January 1, 2025		18%

Stations used in Basin Index:  
3D03A

PEACE			January 1, 2025 Data					Jan 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)	
4A02P	Pine Pass	1400	2025-01-01	192	616	32		114%	71	392	421	259	549	1016	540	34
4A03P	Ware Upper	1565	2025-01-01	54	112	21		N/A	N/A	74	100	74	111	139	N/A	8
4A04P	Ware Lower	971	2025-01-01	43	88	20		N/A	N/A	96	106	68	101	117	N/A	8
4A07	LADY LAURIER LAKE	1440	N	N	N	N	N	N/A	N/A	217	N	140	245	472	280	38
4A09P	Pulpit Lake	1311	2025-01-01	69	143			62%	10	191	153	129	217	366	231	34
4A10	FREDRICKSON LAKE	1325	N	N	N	N	N	N/A	N/A	N	97	54	114	250	130	33
4A10P	Fredrickson Lake	1326	2025-01-01	42	109	26		N/A	N/A	130		130		130	N/A	1
4A11	TRYGVE LAKE	1410	2024-12-29	60	128	21		70%	8	N	146	119	170	299	183	32
4A12P	Tsaydaychi Lake	1195	2025-01-01	77	210	27		N/A	N/A	155	183	155	183	183	N/A	3
4A13P	Philip Lake	1028	2025-01-01	63	195	31		N/A	N/A	122	101	101	122	165	N/A	5
4A18P	MOUNT SHEBA	1484	2025-01-01	160	506	32		N/A	N/A	325		325	505	565	N/A	5
4A20P	Monkman Creek	1570	2025-01-01		279			N/A	N/A	174	196	174	203	300	N/A	6
4A21	MOUNT STEARNS	1505	2024-12-30	41	74	18		92%	49	N	93	14	76	151	81	32
4A25	FORT ST. JOHN A	690	2025-01-07	41	90	22		160%	84	40	48	0	48	134	56	43
4A27P	Kwadacha North	1554	2025-01-01		156			96%	49	149	129	82	157	307	163	35
4A30P	Aiken Lake	1050	2025-01-01	38	102	27		77%	25	121	121	71	125	262	133	37
4A31P	Crying Girl Prairie	1358	2025-01-01	52	108	21		N/A	47	70	163	68	112	163	N/A	9
4A33P	Muskwa-Kechika	1196	2025-01-01	43	100	23		N/A	98	48	102	17	69	102	N/A	9
4A34P	Dowling Creek	1456	2025-01-01		114			N/A	N/A	74	769	74	382	775	N/A	8
4A36P	Parsnip Upper	790	2025-01-01	67	192	29		N/A	N/A	85	76	76	127	202	N/A	6
4A37P	McQue Terrace	1200	2025-01-01	36	87	24		N/A	N/A	54	91	50	56	91	N/A	5
4A38P	Horn Creek	1450	2025-01-01	56	154	28		N/A	N/A	162	188	162		188	N/A	2
4A39P	Chowade Upper	1480	2025-01-01	45	98	22		N/A	N/A	50		50		50	N/A	1
			<b>Average</b>	<b>66</b>	<b>174</b>	<b>25</b>		<b>96%</b>	<b>49</b>							

Basin Index Calculation	Average SWE	187
	Average Normal	198
Peace Basin Index - January 1, 2025		94%

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

SKEENA-NASS			January 1, 2025 Data					Jan 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)	
4B01	KIDPRICE LAKE	1370	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	298	415	894	N/A	4
4B02	JOHANSON LAKE	1420	2024-12-29	47	95	20		59%	4	N	133	84	155	282	162	39
4B02P	Johanson Lake	1467	2025-01-01	41	94	23		N/A	N/A	141		141		141	N/A	1
4B03A	HUDSON BAY MTN.	1480	2025-01-03	89	252	28		93%	46	195	260	135	261	470	271	48
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	NS	NS				N/A	0
4B07	MCKENDRICK CREEK	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B08	MOUNT CRONIN	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B11A	BEAR PASS	460	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	170		170	N/A	1
4B13A	TERRACE AIRPORT	180	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	60	264	81	35
4B14	EQUITY MINE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	118	160	228	N/A	11
4B15	LU LAKE	1300	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	96	117	182	N/A	9
4B15P	Lu Lake	1300	2025-01-01	50	132	26		91%	34	86	178	49	146	293	144	27
4B16P	Shedin Creek	1480	2025-01-01	96	236	25		63%	9	342	341	195	351	596	377	28

4B17P	Tsai Creek	1360	2025-01-01	123	417	34	76%	16	428	470	288	504	970	552	27
4B18P	Cedar-Kiteen	885	2025-01-01	54	178	33	63%	27	253	316	90	248	563	282	23
			<b>Average</b>	<b>71</b>	<b>201</b>	<b>27</b>	<b>74%</b>	<b>23</b>							

<b>Basin Index Calculation</b>	Average SWE	218
	Average Normal	298
<b>Skeena-Nass Basin Index - January 1, 2025</b>		<b>73%</b>

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

LIARD			January 1, 2025 Data				Jan 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)	
4C01P	Sikanni Lake	1387	2025-01-01	59	134	23		N/A	N/A	99	118	72	131	161	N/A	8
4C02	SUMMIT LAKE	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	6	45	83	N/A	4
4C05	FORT NELSON AIRPORT	380	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	4	49	112	49	49
4C20P	Sierra Climate	572	2025-01-01		61			N/A	N/A	33	40	17	36	78	N/A	6
4C21P	Two Island Climate	708	2025-01-01		88			N/A	N/A	40	29	29	42	107	N/A	6
			<b>Average</b>	<b>59</b>	<b>94</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	N/A
	Average Normal	N/A
<b>Liard Basin Index - January 1, 2025</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

STIKINE			January 1, 2025 Data				Jan 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)	
4D10P	Tumeka Creek	1220	2025-01-01	91	219	24		74%	30	284	192	167	296	591	296	26
4D11P	Kinaskan Lake	1020	2025-01-01	45	126	28		67%	26		138	95	180	378	188	25
4D16P	Forrest Kerr Mid Elevation Snow	1192	2025-01-01	128	370	29		N/A	48	640	376	318	376	640	N/A	9
4D17P	Forrest Kerr High Elevation Snow	1622	2025-01-01	212	649	31		N/A	70	964	509	365	547	964	N/A	9
			<b>Average</b>	<b>119</b>	<b>341</b>	<b>N/A</b>		<b>70%</b>	<b>43</b>							

<b>Basin Index Calculation</b>	Average SWE	219
	Average Normal	296
<b>Stikine Basin Index - January 1, 2025</b>		<b>74%</b>

Stations used in Basin Index:  
4D10P, 4D11P

NORTHWEST			January 1, 2025 Data				Jan 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)	
4E01	LOG CABIN	900	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4E01P	Log Cabin	890	2025-01-01	57	173	30		N/A	N/A	271	N/A	271		271	N/A	1
4E02B	ATLIN LAKE	730	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			<b>Average</b>	<b>N/A</b>	<b>173</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	N/A
	Average Normal	N/A
<b>Northwest Basin Index - January 1, 2025</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

### BRITISH COLUMBIA

<b>Basin Index Calculation</b>	Average SWE	291
	Average Normal	335
<b>British Columbia Basin Index - January 1, 2025</b>		<b>87%</b>

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

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