

## Snow Survey and Water Supply Bulletin – May 15<sup>th</sup>, 2024

The May 15<sup>th</sup> snow survey is now complete. Data from 17 manual snow courses and 105 automated snow weather stations around the province (collected by the Ministry of Environment and Climate Change Strategy's 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 May 15<sup>th</sup>, the provincial snowpack is below normal, averaging 57% across B.C. (May 1st: 66%)
- The May 15<sup>th</sup> Snow Bulletin provides a mid-month update on the seasonal snowmelt process. Typically, it highlights if snowmelt is earlier than normal, delayed or melting at seasonal rates.
- On average, by May 15<sup>th</sup> approximately 17% of the seasonal snowpack has melted. So far, 31% of peak snowpack has melted this year, driven by low elevation melt in April and the significant heat event on May 9-12. Last year, temperatures were much warmer and 43% of the snowpack melted by this time.
- Snowmelt-related flood hazard remains low. Despite significant heat on May 9-12, no flooding was experienced.
- The greatest flood risk over the upcoming six weeks is from widespread heavy rain events.
- Low snowpack, early snowmelt and lingering impacts from on-going drought are creating significantly elevated drought hazards for this upcoming spring and summer.

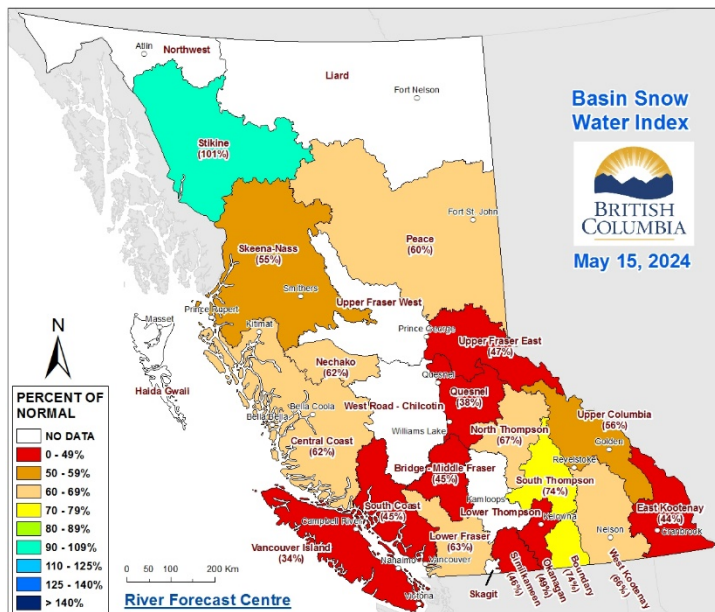


Figure 1. May 15<sup>th</sup>, 2024 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

Table 1. May 15<sup>th</sup>, 2024 Snow Basin Indices in B.C.

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	N/A <sup>#</sup>	North Thompson	67	South Coast	45
Upper Fraser East	47	South Thompson	74	Vancouver Island	34
Nechako	62	Fraser River	60	Central Coast	62
Middle Fraser	42	Upper Columbia	56	Skagit	N/A <sup>#</sup>
Lower Thompson*	N/A <sup>#</sup>	West Kootenay	66	Peace	60
Bridge*	45	East Kootenay	44	Skeena-Nass	55
Chilcotin*	N/A <sup>#</sup>	Boundary	74	Liard	N/A <sup>#</sup>
Quesnel*	38	Okanagan	49	Stikine	101
Lower Fraser	63	Similkameen	46	Northwest	N/A <sup>#</sup>

### British Columbia 57% of Normal

\* Sub-basin of Middle Fraser # Insufficient data to calculate a Snow Basin Index Normal Period (1991-2020)

Next scheduled snow bulletin release: June 10<sup>th</sup>, 2024

## Snow Survey and Water Supply Bulletin – May 15<sup>th</sup>, 2024

### Weather

During the first week of May unsettled weather, with light to moderate precipitation occurred across the province. Temperatures were close to seasonal across most of B.C., with some coastal areas experiencing periods of above normal temperatures.

A strong high-pressure ridge formed and brought very warm temperatures and dry

conditions from May 9<sup>th</sup> to 12<sup>th</sup>. Weather patterns transitioned to wetter and cooler through much of the province by mid-month with some snow stations in the mountains measuring snow accumulation. The upcoming seven-day forecast shows continued unsettled, wet weather conditions with a possibility of warming again near the end of the month.

### Snowpack

The provincial snowpack decreased by nine percentage points since May 1<sup>st</sup> to 57% of normal for May 15<sup>th</sup>. Snow Basin Indices (SBI) for May 1<sup>st</sup> range from 34% of normal on Vancouver Island to 101% in the Stikine (Tables 1, 2 and Figures 1, 5, 6).

Overall, the provincial snowpack remains extremely low for May 15<sup>th</sup>. May 15<sup>th</sup> is generally past the peak period of snow accumulation season, and this survey period captures how the snowmelt season is progressing. All regions, except the Stikine, have below to well-below normal (below 75%) May 15<sup>th</sup> snow basin indices.

April 1<sup>st</sup> and May 1<sup>st</sup> snow basin indices provide a better indication of stored water in the snowpack, while very high or low basin indices occurring on May 15<sup>th</sup> are more reflective of advanced or delayed snowmelt. In conjunction with the overall decline in basin indices since

May 1<sup>st</sup>, the May 15<sup>th</sup> snowpack reflects the increased rate of snowmelt. On average, 17% of the seasonal snowpack melts by May 15<sup>th</sup>. This year, 31% melted by May 15<sup>th</sup>. Last year (2023) the melt was even quicker with 43% melting by the middle of the month due to even warmer temperatures.

Across the province, four snow stations (listed further below) are at record low May 15<sup>th</sup> values (for their respective periods of record). Stations are in the Quesnel, Upper Columbia and Peace basins.

The average of all snow measurements for the entire Fraser River basin (e.g., upstream of the Lower Mainland and inclusive of Upper Fraser West, Upper Fraser East, Nechako, Middle Fraser, Lower Fraser, North Thompson, and South Thompson) is 60%, decreasing from 66% on May 1<sup>st</sup>.

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Last year, the May 15<sup>th</sup> provincial average was 66% of normal (Table 3). Last year's snowmelt rates throughout May were very rapid. Despite most areas starting the snowmelt season with less snow than in 2024, lower rates of snowmelt this year have led to higher May 15<sup>th</sup>

Snow Basin Index (SBI) values this year in some regions.

Please see the full summary data tables and SBI bar charts at the end of this report for further interpretation.

**Table 2 – B.C. Snow Basin Indices – May 15, 2024 compared to May 1, 2024**

Basin	May 15 <sup>th</sup> % of Normal (May 1 value)	Percentage Point Change May 1 to May 15	Basin	May 15 <sup>th</sup> % of Normal (May 1 value)	Percentage Point Change May 1 to May 15
<b>Fraser River Region</b>			<b>Columbia Region</b>		
Upper Fraser East	47 (59)	↓ -12	Upper Columbia	56 (65)	↓ -9
Upper Fraser West	N/A (0)	N/A	West Kootenay	66 (70)	↓ -4
Nechako	62 (70)	↓ -8	East Kootenay	44 (77)	↓ -33
Middle Fraser	42 (59)	↓ -17	Boundary	74 (76)	↓ -2
Lower Thompson*	N/A (23)	N/A	Okanagan	49 (60)	↓ -11
Bridge*	45 (66)	↓ -21	Similkameen	46 (54)	↓ -8
Chilcotin*	N/A (N/A)	N/A	<b>Northern Region</b>		
Quesnel*	38 (52)	↓ -14	Peace	60 (75)	↓ -15
Lower Fraser	63 (67)	↓ -4	Skeena-Nass	55 (63)	↓ -8
North Thompson	67 (71)	↓ -4	Liard	N/A (171)	N/A
South Thompson	74 (80)	↓ -6	Stikine	101 (90)	↑ +11
<b>Coastal Region</b>			Northwest	N/A (125)	N/A
South Coast	45 (61)	↓ -16	<b>Additional</b>		
Vancouver Island	34 (49)	↓ -15	Fraser River	60 (66)	↓ -6
Central Coast	62 (66)	↓ -4			
Skagit	N/A (27)	N/A			
<b>British Columbia 57 (66) ↓ -9</b>					

<sup>a</sup> No snow measurements to calculate a SBI for May 15<sup>th</sup>, 2024      \* Sub-region of the Middle Fraser

**Table 3 – B.C. Snow Basin Indices – May 15, 2024 compared to May 15, 2023**

Basin	May 15 <sup>th</sup> % of Normal (2023 value)	Percentage Point Change 2023 to '24	Basin	May 15 <sup>th</sup> % of Normal (2023 value)	Percentage Point Change 2023 to '24
<b>Fraser River Region</b>			<b>Columbia Region</b>		
Upper Fraser East	47 (46)	↑ +1	Upper Columbia	56 (62)	↓ -6
Upper Fraser West	N/A (N/A)	N/A	West Kootenay	66 (73)	↓ -7
Nechako	62 (82)	↓ -20	East Kootenay	44 (26)	↑ +18
Middle Fraser	42 (48)	↓ -6	Boundary	74 (88)	↓ -14
Lower Thompson*	N/A (N/A)	N/A	Okanagan	49 (81)	↓ -32
Bridge*	45 (39)	↑ +6	Similkameen	46 (38)	↑ +8
Chilcotin*	N/A (N/A)	N/A	<b>Northern Region</b>		
Quesnel*	38 (56)	↓ -18	Peace	60 (64)	↓ -4

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Lower Fraser	63 (74)	↓ -11	Skeena-Nass	55 (69)	↓ -14
North Thompson	67 (61)	↑ +6	Liard	N/A (N/A)	N/A
South Thompson	74 (74)	0	Stikine	101 (66)	↑ +35
<b>Coastal Region</b>			Northwest	N/A (N/A)	N/A
South Coast	45 (73)	↓ -28	<b>Additional</b>		
Vancouver Island	34 (83)	↓ -49	Fraser River	60 (64)	↓ -4
Central Coast	62 (80)	↓ -18			
Skagit	N/A (N/A)	N/A			
<b>British Columbia 57 (66) ↓ -9</b>					

<sup>a</sup> No snow measurements to calculate a SBI for May 15<sup>th</sup>, 2024

\* Sub-region of the Middle Fraser

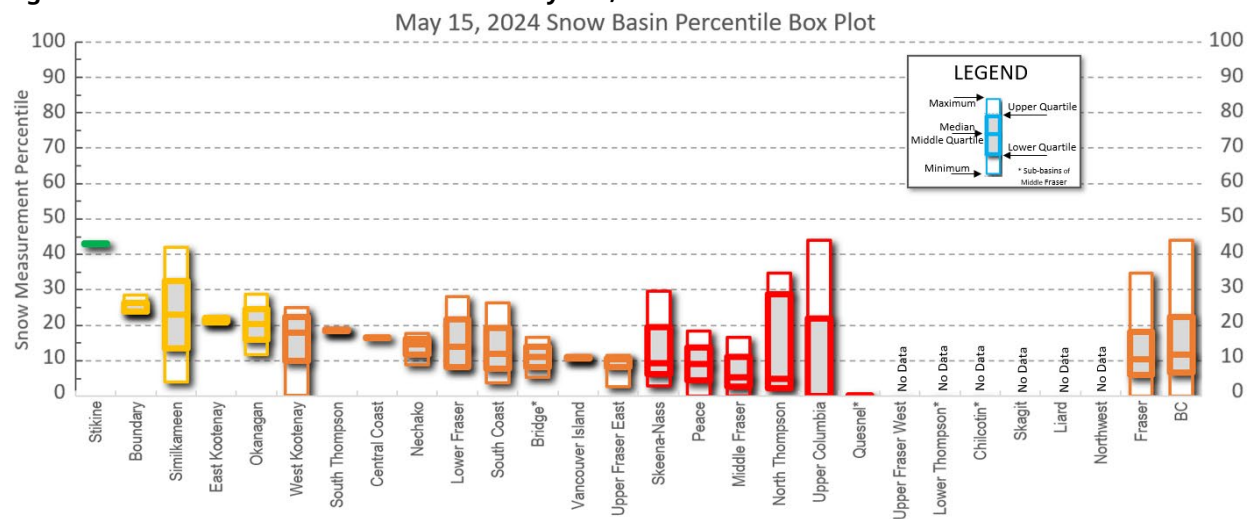
Four snow stations measured record low Snow Water Equivalent (SWE) for May 15<sup>th</sup>, 2024:

- 1C41P Yanks Peak East: 384 mm SWE (47% of normal) – 27 years (Quesnel / Middle Fraser)
- 2A06P Mount Revelstoke: 684 mm SWE (57% of normal) – 30 years (Upper Columbia)
- 2A21P Molson Creek: 594 mm SWE (55% of normal) – 41 years (Upper Columbia)
- 4A02P Pine Pass: 661 mm SWE (62% of normal) – 31 years (Peace)

Percentiles offer a more detailed measure of the variability in snow conditions, especially in regions when the percent of normal can be extremely high or low. The region with the highest average percentile is the Stikine (43<sup>rd</sup> percentile); the region with the lowest is Quesnel (0<sup>th</sup>). A box plot displaying the percentile variance ordered from highest to

lowest median across all regions, including sub-basins, is provided below in Figure 2. The May 15<sup>th</sup> provincial average is the 16<sup>th</sup> percentile, and the median is the 12<sup>th</sup> percentile. This compares to the May 1<sup>st</sup>, 2024, values for provincial average at the 15<sup>th</sup> percentile, and median at the 12<sup>th</sup> percentile

**Figure 2. Snow Basin Percentile Box Plot – May 15<sup>th</sup>, 2024**



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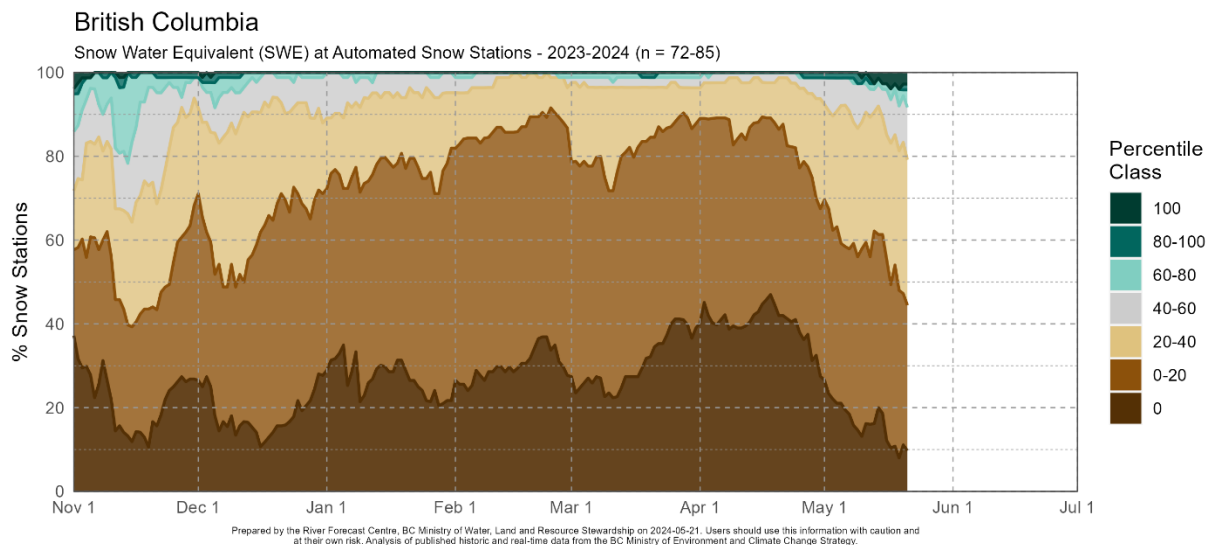
## Snow Survey and Water Supply Bulletin – May 15<sup>th</sup>, 2024

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 2023-2024. 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<sup>th</sup> to 20<sup>th</sup>). Record high and record low are represented by the 100<sup>th</sup> and 0<sup>th</sup> percentiles, respectively.

The proportion of ASWS's reporting in the 0<sup>th</sup> and 0<sup>th</sup> to 20<sup>th</sup> percentile classes has declined since the middle of April, and some stabilization in mid-May to around 60% of stations reporting below the 20<sup>th</sup>. This compares to nearly 90% of stations in these percentiles at the start of April.

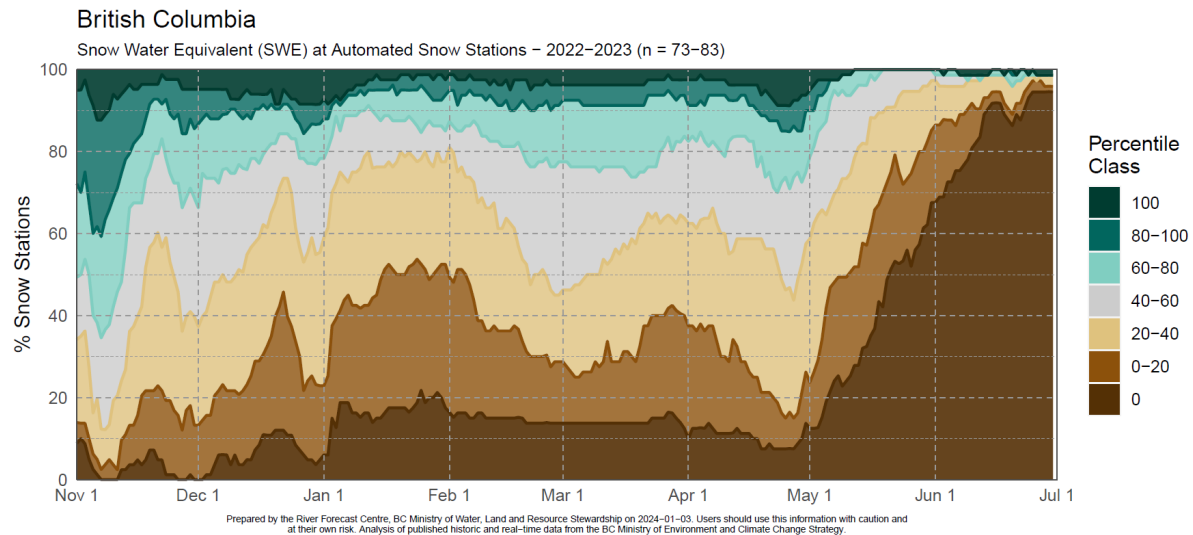
As a comparison, Figure 4 displays the changes in percentile classes at ASWS last year (2022-2023). The snowpack was generally healthier last winter compared to this winter, although record-breaking heat in May 2023 caused rapid melt and unusually early onset of freshet.

**Figure 3. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2023-2024)**



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**Figure 4. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2022-2023)**



### Seasonal Weather Outlook

The Climate Prediction Center (CPC) at the U.S. National Weather Service / NOAA continues to maintain an El Niño Advisory (May 9<sup>th</sup>, 2024) and is forecasting an imminent transition to ENSO-neutral conditions. A La Niña Watch is in effect from the CPC, with increasing odds of La Niña conditions developing in June-August (49% chance) or July-September (69% chance), and likely continuing and impacting B.C. into fall-winter 2024-25 (next year). La Niña winters are often relatively cool and wet, potentially causing delayed snowmelt if cooler temperatures persist.

Seasonal weather forecasts from Environment and Climate Change Canada (ECCC) continue

to indicate a moderate likelihood (40-95% chance) of above normal temperatures across all of B.C. over the May to July period. Seasonal precipitation forecasts generally have much lower confidence than seasonal temperature forecasts (precipitation is substantially more difficult to predict than temperature, particularly over longer time scales); however, current projections for May to July suggest a small likelihood of below normal precipitation across north-east B.C. and above normal precipitation in portions of the southern Interior and Kootenays.

### Flood and Drought Outlook

Snowpack levels are well below normal across most of the province. At this stage in the

season there is no elevated flood risk present in the current snowpack across the province.

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Normal seasonal flood risk is expected in the Northwest and Stikine with closer to normal snowpack in those regions. With below normal snowpack in all other regions, reduced flood risk is expected. On the Fraser River at Hope a peak flow of  $6,300 \text{ m}^3/\text{s} \pm 2,600 \text{ m}^3/\text{s}$  (likely below a 2-year return period flow) is likely with higher flows possible if adverse weather patterns, in particular heavy rainfall, emerge in the spring.

While snow is one significant aspect to seasonal flooding in B.C., weather during the freshet season also plays a key role, and flooding is possible in years with near normal or low snowpack. In areas with low snowpack, key flood risks shift towards heavy precipitation, either short-duration events or prolonged periods of wet weather. It is important to note that May and June are wet months through the B.C. Interior with the potential for extreme precipitation patterns. In the Rockies and Northeast, upper-low weather patterns can extend the flood season into July. Therefore, precipitation poses a real flood risk through the spring even with limited snowpack.

### Summary

By mid-May, typically 17% of the annual B.C. snowpack has melted. This year, as of May 15<sup>th</sup>, approximately 31% of mountain snowpack melted. The snow basin indices throughout the province range from 34 to 101% of normal, with a provincial average of 57% of normal (43% below normal). Warm weather in early May led to accelerated snowmelt in the first half of the month.

Communities and residents vulnerable to flooding should prepare accordingly. Information for [Get Prepared for Floods](#) is available from the Ministry of Emergency Management and Climate Readiness.

Antecedent conditions this season are indicating increased drought hazards across the province. Low provincial snowpack (57% of normal for May 15<sup>th</sup>), early snowmelt, persistent drought impacts from previous seasons and multi-year precipitation deficits, and the upcoming seasonal weather outlook are all significant factors for province-wide concern for drought this year.

The causes of drought in B.C. are multi-faceted. While snowpack can play an important role in areas, other factors such as the rate of snowmelt, spring and summer temperatures, and short- and long-term precipitation trends may have equal or greater importance in governing the emergence of drought this summer. Visit the [B.C. Drought Information Portal](#) for drought conditions.

This season continues to have increased hazards of drought due to long-term precipitation deficits, low snowpack, early snowmelt, and an increased likelihood of warmer than normal spring and summer weather. Weather will continue to play an important role in summer drought conditions.



## **Snow Survey and Water Supply Bulletin – May 15<sup>th</sup>, 2024**

The River Forecast Centre continues to monitor snowpack conditions and will provide an updated seasonal risk forecast in the June 1<sup>st</sup>, 2024 bulletin scheduled for release on June 10<sup>th</sup>.

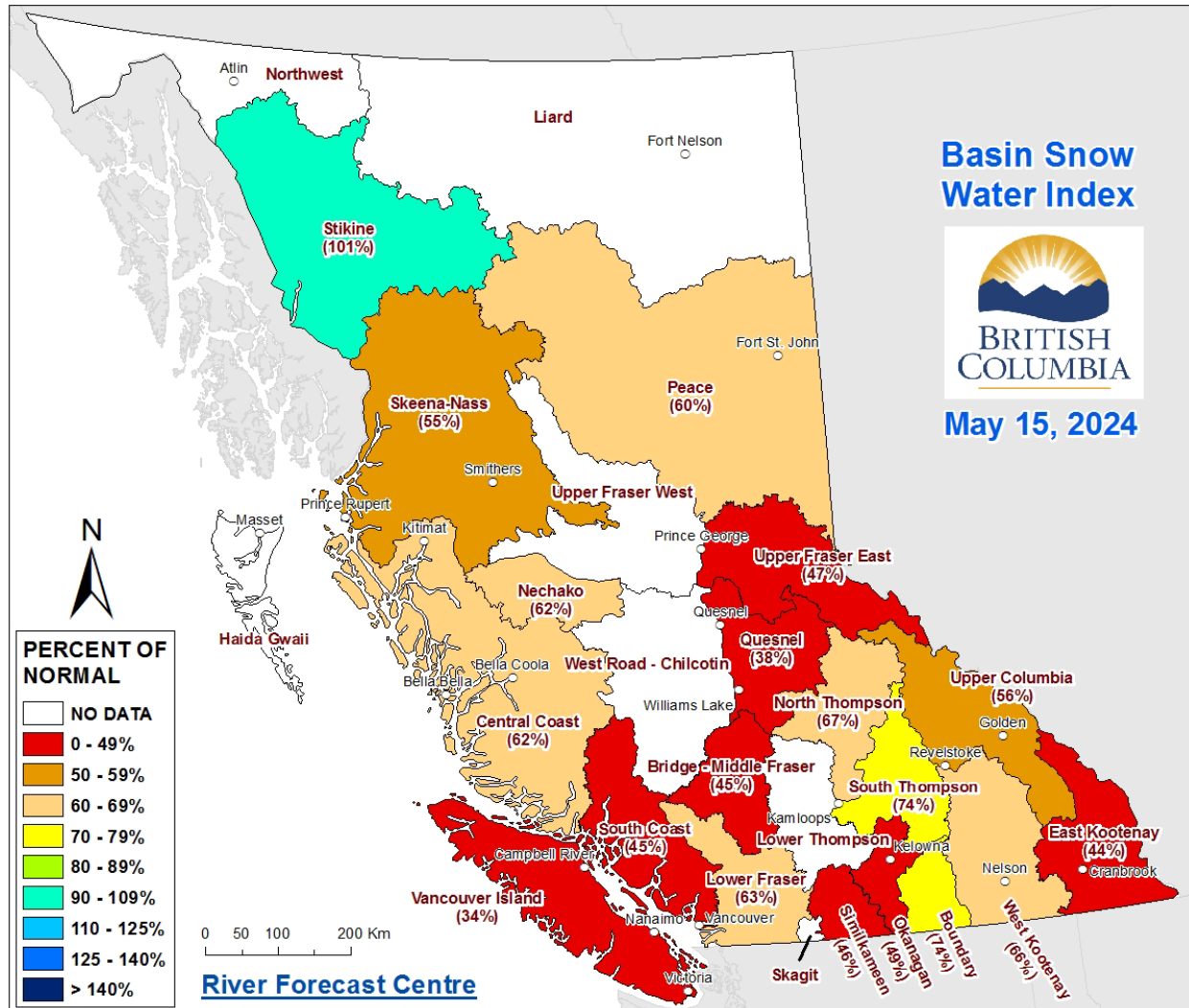
River Forecast Centre

May 23, 2024



## Snow Survey and Water Supply Bulletin – May 15<sup>th</sup>, 2024

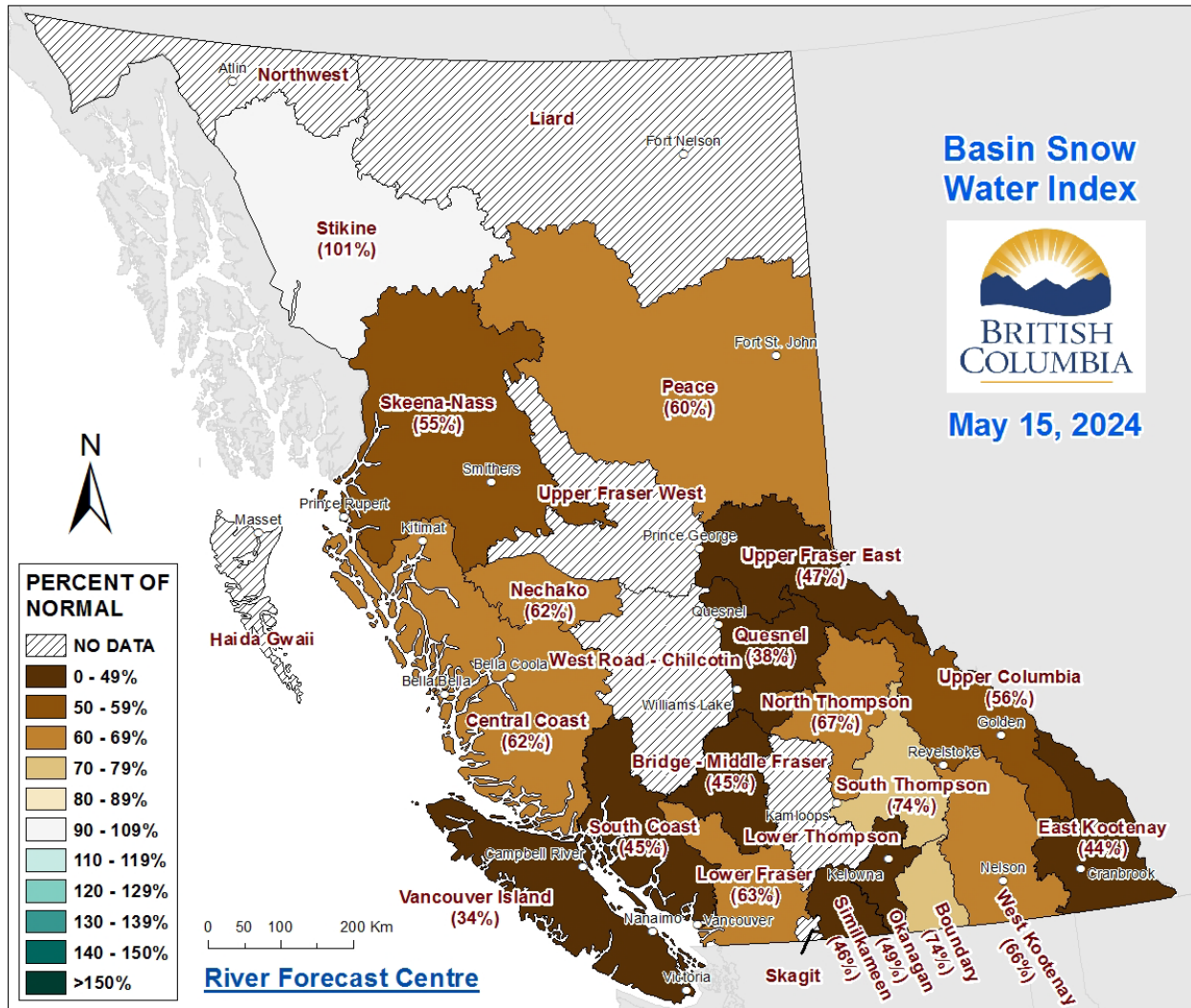
Figure 5: Basin Snow Water Index – May 15<sup>th</sup>, 2024



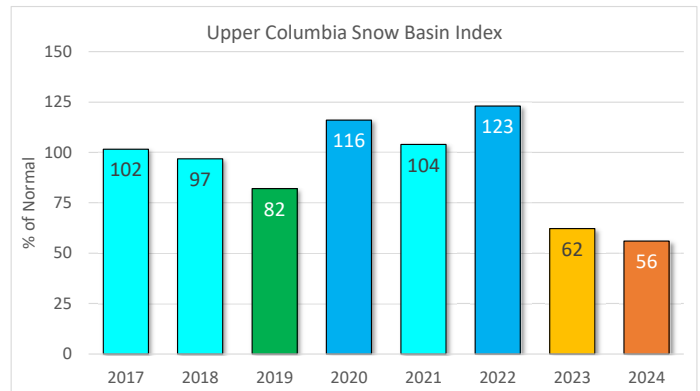
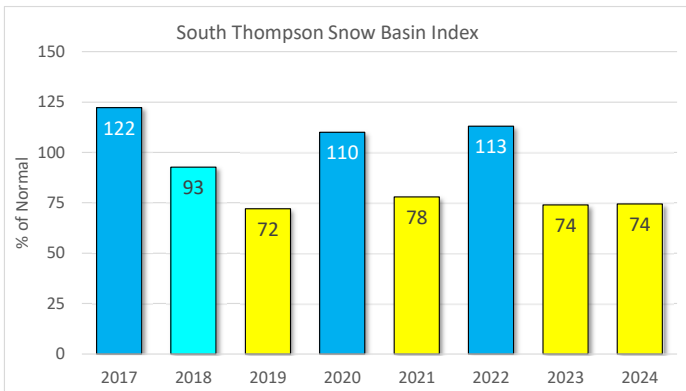
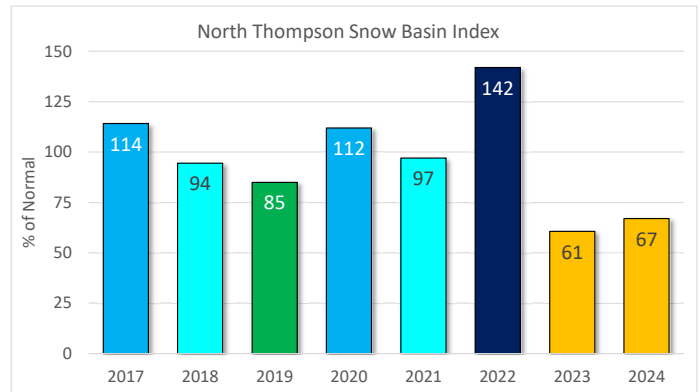
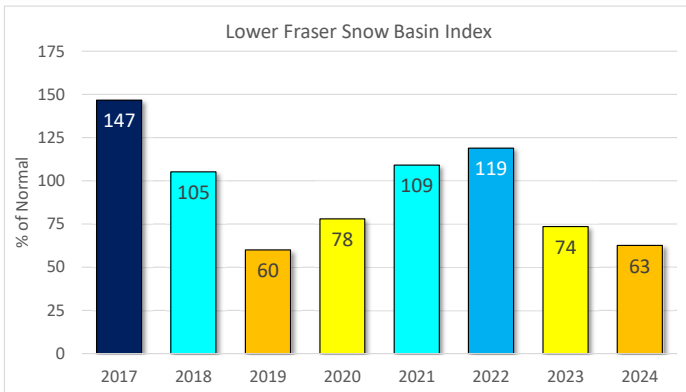
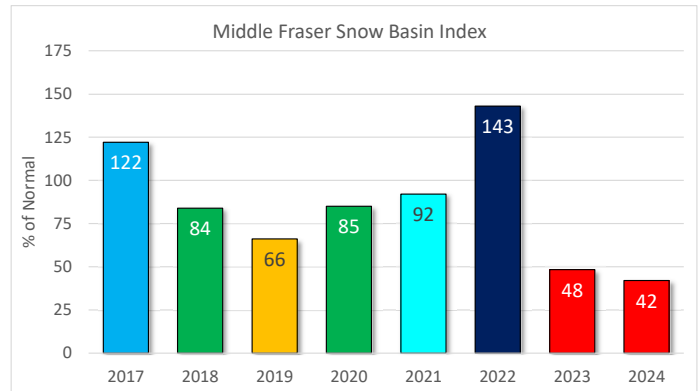
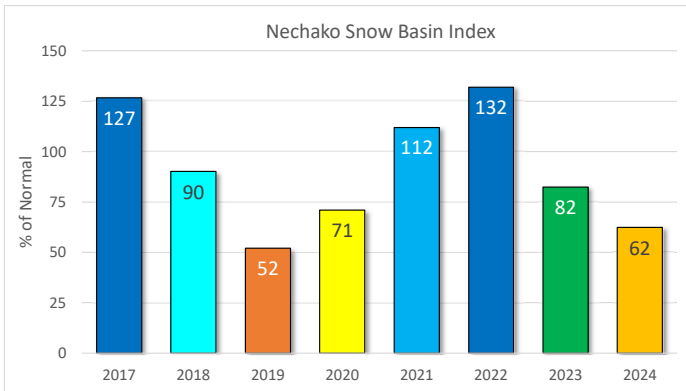
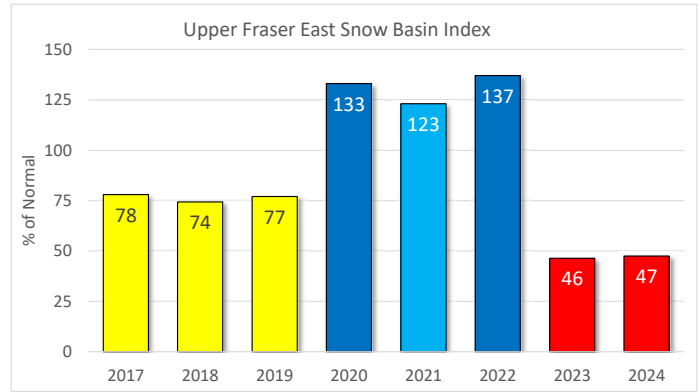
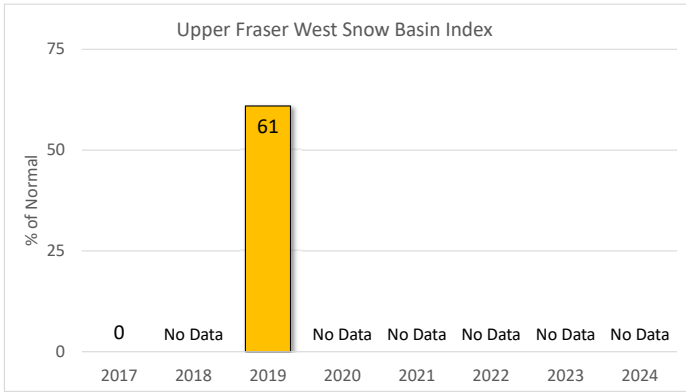
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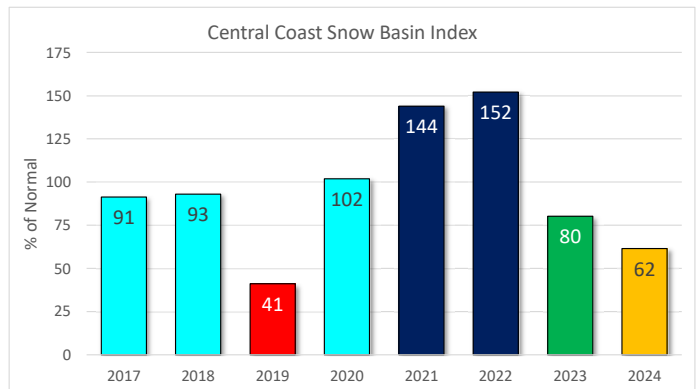
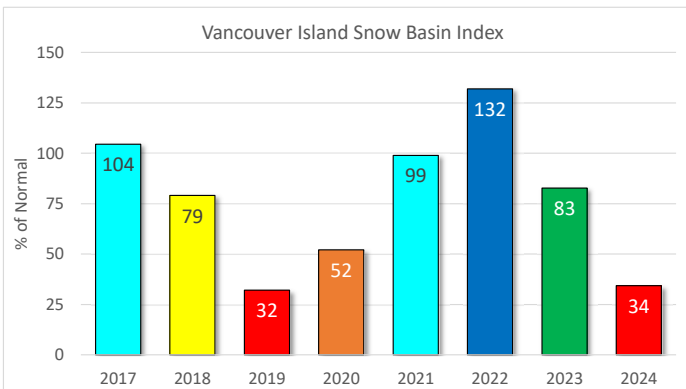
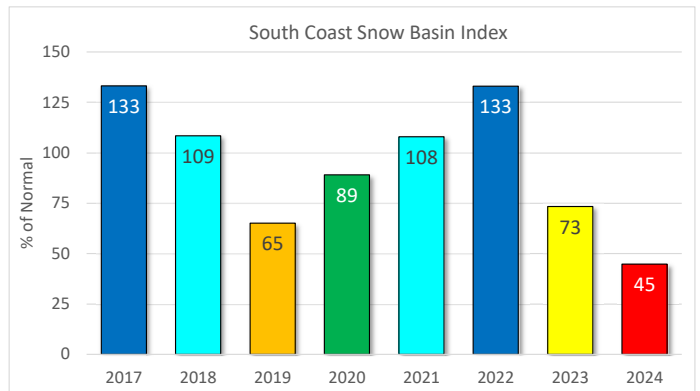
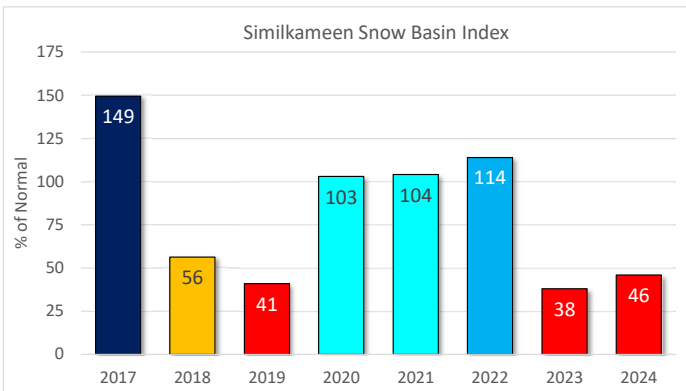
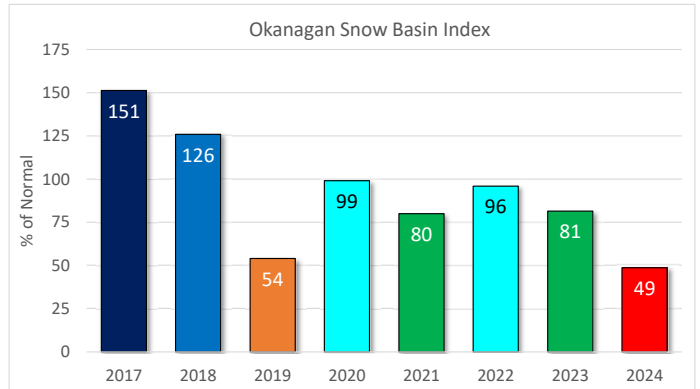
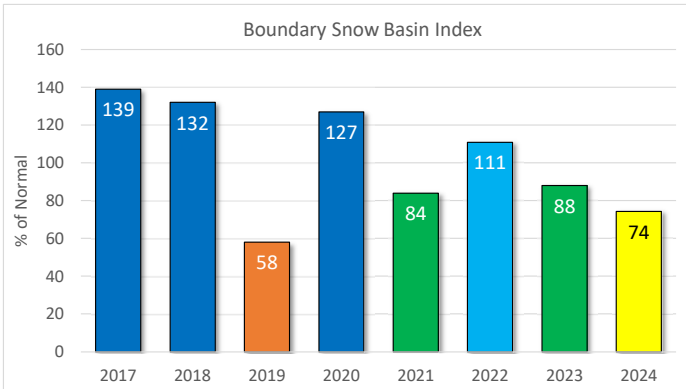
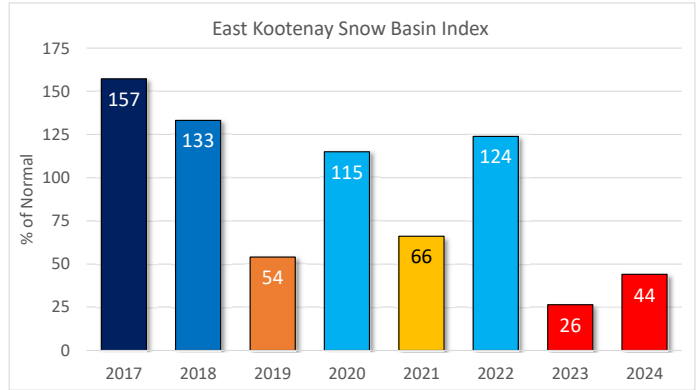
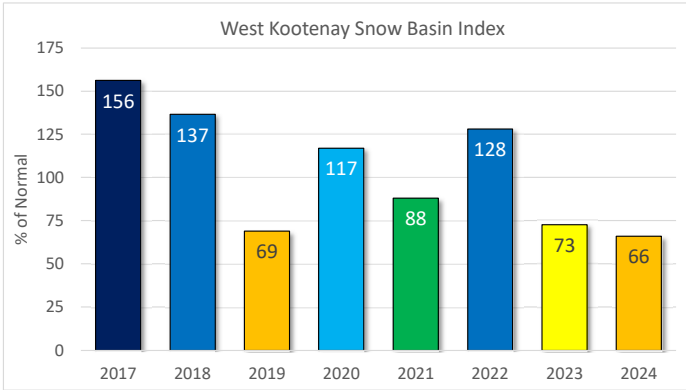
Figure 6: Basin Snow Water Index – May 15<sup>th</sup>, 2024 – Colour Friendly



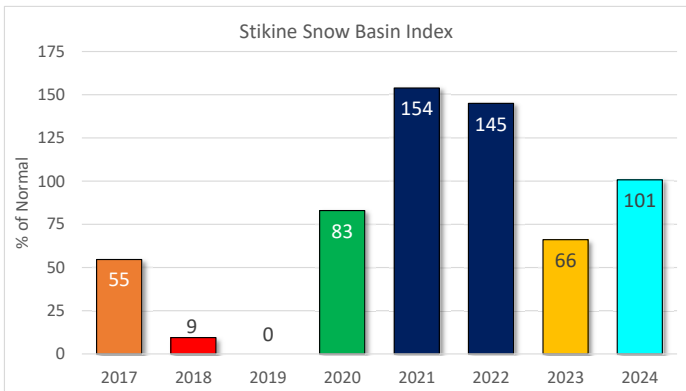
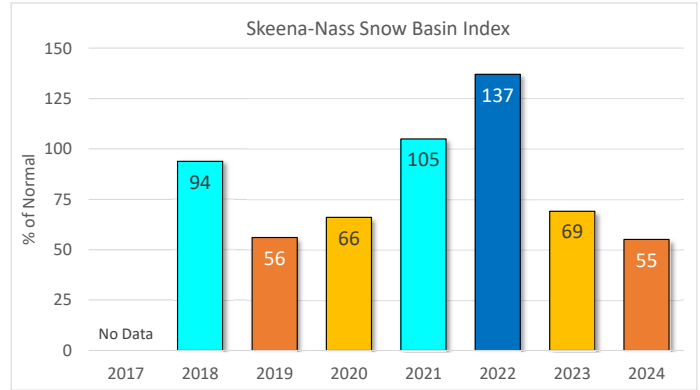
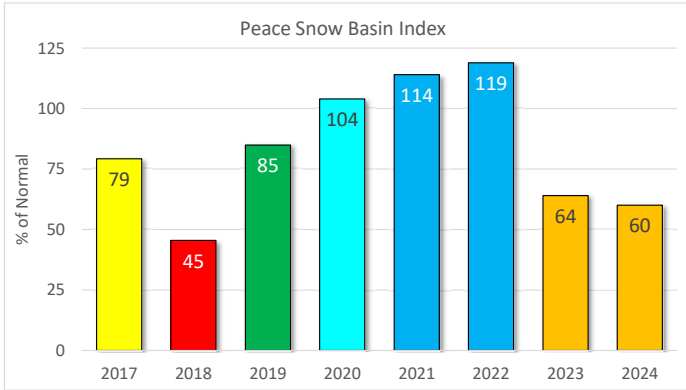
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Snow Basin Index Graphs - May 15, 2024



Snow Basin Index Graphs - May 15, 2024



May 15, 2024 Automated Snow Weather Station / Manual Snow Survey Data

UPPER FRASER EAST			May 15, 2024 Data				May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1A01P	Yellowhead Lake	1860	2024-05-15	65	270	42		51%	10	99	667	99	555	839	530	25
1A02P	McBride Upper	1611	2024-05-15	61	179	29		44%	12	114	588	7	402	653	407	31
1A03P	Barkerville	1520	2024-05-15		5			3%	8	0	349	0	203	503	192	45
1A05P	Longworth Upper	1740	2024-05-15	108	656	61		N/A	N/A	698	1395	553	767	1395	N/A	7
1A06A	HANSARD	608	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1A10	PRINCE GEORGE A	689	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	76	N/A	23
1A11	PACIFIC LAKE	755	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	402	728	373	35
1A14P	Hedrick Lake	1100	2024-05-15	88	248	28		34%	3	333	826	118	676	1303	737	24
1A15P	Knudsen Lake	1601	2024-05-15	53	336	63		N/A	N/A	464	1431	173	460	1431	N/A	8
1A17P	Revolution Creek	1690	2024-05-15					N/A	N/A	460	1236	215	756	1300	764	35
1A19P	Dome Mountain	1774	2024-05-15	128	567	44		70%	11	593	1055	363	849	1219	813	18
			<b>Average</b>	<b>84</b>	<b>323</b>	<b>45</b>		<b>40%</b>	<b>9</b>							

<b>Basin Index Calculation</b>	Average SWE	254
	Average Normal	536
<b>Upper Fraser East Basin Index - May 15, 2024</b>		<b>47%</b>

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

UPPER FRASER WEST			May 15, 2024 Data				May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1A12P	Kaza Lake	1257	2024-05-15	44	144	33		N/A	N/A	139		0	139	245	N/A	7
1A16	BURNS LAKE	800	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	18
1A23	BIRD CREEK	1180	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
			<b>Average</b>	<b>44</b>	<b>144</b>	<b>33</b>		<b>N/A</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	N/A
	Average Normal	N/A
<b>Upper Fraser West Basin Index - May 15, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

NECHAKO			May 15, 2024 Data				May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
1B01	MOUNT WELLS	1490	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	164	396	869	N/A	3
1B01P	Mount Wells	1490	2024-05-15		284			58%	9	378	702	152	450	957	489	31
1B02	TAHTSA LAKE	1300	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	924		1687	N/A	2
1B02P	Tahtsa Lake	1300	2024-05-15		824			68%	15	1057	1250	662	1216	2356	1206	31
1B05	SKINS LAKE	890	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	2
1B06	MOUNT SWANNELL	1620	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	331	N/A	2
1B07	NUTLI LAKE	1490	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	197		197	N/A	1
1B08P	Mt. Pondosy	1400	2024-05-15		341			54%	18	478	769	234	536	1200	627	28
			<b>Average</b>	<b>N/A</b>	<b>483</b>	<b>N/A</b>		<b>60%</b>	<b>14</b>							

<b>Basin Index Calculation</b>	Average SWE	483
	Average Normal	774
<b>Nechako Basin Index - May 15, 2024</b>		<b>62%</b>

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

LOWER THOMPSON			May 15, 2024 Data					May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020		Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)		
1C01	BROOKMERE	994	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	6	208	N/A	28	
1C06	PAVILION	1230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	6	
1C09A	HIGHLAND VALLEY	1510	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	30	N/A	25	
1C25	LAC LE JEUNE (UPPER)	1509	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	67	N/A	5	
1C29	SHOVELNOSE MOUNTAIN	1450	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C29P	Shovelnose Mountain	1460	2024-05-15	0	0			N/A	N/A	0	0	0	0	0	N/A	5	
1C32P	Deadman River	1460	2024-05-15	0	0			N/A	N/A	0		0		0	N/A	1	
1C42	CAVERHILL LAKE NEW	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C44P	Paradise Lake	1640	2024-05-15	0	0			N/A	N/A						N/A	0	
1C45P	July Mountain	1860	2024-05-15	93	612	66		N/A	N/A						N/A	0	
			<b>Average</b>		<b>23</b>	<b>153</b>	<b>66</b>		<b>N/A</b>	<b>N/A</b>							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
<b>Lower Thompson Basin Index - May 15, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

BRIDGE / LILLOOET			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	2024-05-15	0	0			N/A	N/A	88	592	88	231	592	N/A	6	
1C05	MCGILLIVRAY PASS	1725	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	184	479	965	N/A	20	
1C12P	Green Mountain	1780	2024-05-15		409			54%	5	209	921	209	632	1369	759	30	
1C14	BRALORNE	1389	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	80	N/A	20	
1C14P	Bralorne	1382	2024-05-15	0	0			N/A	N/A	0	0	0	0	0	N/A	6	
1C18P	Mission Ridge	1850	2024-05-15		85			25%	17	214	577	0	362	973	338	47	
1C28	DUFFEY LAKE	1200	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C37	BRALORNE (UPPER)	1981	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C38	DOWNTON LAKE UPPPER	1884	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C38P	Downton Lake Upper	1829	2024-05-15		605			N/A	N/A	491	1104	491	668	1104	N/A	8	
1C39	BRIDGE GLACIER (LOWER)	1390	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C40P	North Tyaughton	1969	2024-05-15		150			N/A	N/A	127	500	0	517	500	N/A	8	
1C43P	Bridge Glacier Proglacial Lake	1505	2024-05-15	93	476			N/A	N/A	581		581		581		1	
			<b>Average</b>		<b>31</b>	<b>246</b>	<b>N/A</b>		<b>40%</b>	<b>11</b>							

Basin Index Calculation	Average SWE	247
	Average Normal	549
<b>Bridge/Lillooet Basin Index - May 15, 2024</b>		<b>45%</b>

Stations used in Basin Index:  
1C12P, 1C18P

CHILCOTIN			May 15, 2024 Data					May 15, 2024 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	2023	2022	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				N/A	0	
1C22	PUNTZI MOUNTAIN	940	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	2	
1C22AP	Puntzi Mountain	920	2024-05-15	0	0			N/A	N/A						N/A	0	
			<b>Average</b>		<b>0</b>	<b>0</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
<b>Chilcotin Basin Index - May 15, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

QUESNEL			May 15, 2024 Data				May 15, 2024 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	2023	2022	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	2024-05-16	0	0			0%	N/A	102	214	0	206	466	186	49
1C17P	Mount Timothy	1630	2024-05-15					N/A	N/A							
1C20P	Boss Mountain Mine	1460	2024-05-15					N/A	N/A	218	645	147	386	746	412	30
1C23	PENFOLD CREEK	1685	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	585	1049	1400	1059	44
1C23P	Penfold Creek	1740	2024-05-15	144	751	52		N/A	N/A	605	NS	605		605		1
1C33A	GRANITE MOUNTAIN	1150	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1C41P	Yanks Peak East	1670	2024-05-15	73	384	53		47%	0	470	1177	386	843	1188	814	27
			<b>Average</b>	<b>72</b>	<b>378</b>	<b>52</b>		<b>24%</b>	<b>0</b>							

<b>Basin Index Calculation</b>	Average SWE	192
	Average Normal	500
<b>Quesnel Basin Index - May 15, 2024</b>		<b>38%</b>

Stations used in Basin Index:  
1C17, 1C41P

<b>MIDDLE FRASER</b>		
<b>Basin Index Calculation</b>	Average SWE	220
	Average Normal	524
<b>Middle River Basin Index - May 15, 2024</b>		<b>42%</b>

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

LOWER FRASER			May 15, 2024 Data				May 15, 2024 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	2023	2022	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	2024-05-15	136	617	45		65%	8	672	1307	468	901	1686	953	23
1D08	STAVE LAKE	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	2438		2438	N/A	1
1D08P	Lamont Creek Upper	1217	2024-05-15	132	660	50		N/A	N/A	911	1565	911	1554	1565	N/A	3
1D09P	Wahleach Lake Upper	1480	2024-05-15		701			75%	28	658	985	299	963	1793	933	30
1D10	NAHATLATCH RIVER	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	1202	1599	2423	N/A	4
1D16	DICKSON LAKE	1160	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	2070		2070	N/A	1
1D16P	Dickson Lake	1155	2024-05-15	123	737	60		N/A	N/A							
1D17P	Chilliwack River	1600	2024-05-15	153	1007	66		68%	20	1248	1871	379	1600	2540	1480	30
1D18	Disappointment Lake	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	704	1712	2560	1550	17
1D19P	Spuzzum	1180	2024-05-15	115	668	58		47%	8	946	1388	0	1434	2900	1413	25
			<b>Average</b>	<b>132</b>	<b>732</b>	<b>56</b>		<b>64%</b>	<b>16</b>							

<b>Basin Index Calculation</b>	Average SWE	748
	Average Normal	1195
<b>Lower Fraser Basin Index - May 15, 2024</b>		<b>63%</b>

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

NORTH THOMPSON			May 15, 2024 Data				May 15, 2024 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	2023	2022	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	NS	NS	NS	NS	NS	N/A	N/A	NS	12	0	0	78	N/A	11
1E02P	Mount Cook	1550	2024-05-15	166	927	56		68%	2	1018		863	1309	2069	1359	19
1E03A	TROPHY MOUNTAIN	1860	NS	NS	NS	NS	NS	N/A	N/A	N	858	301	648	1114	641	40
1E03AP	TROPHY MOUNTAIN	1880	2024-05-15	94	428	46		N/A	N/A						N/A	0
1E07	ADAMS RIVER	1720	2024-05-12	130	590	45		83%	29	431	824	280	715	1158	710	52
1E08P	Azure River	1652	2024-05-15	122	681	56		58%	2	602	1501	602	1189	1684	1178	27
1E10P	Kostal Lake	1770	2024-05-15		586			67%	5	443	1071	443	845	1358	871	39
1E14P	Cook Creek	1280	2024-05-15		97			50%	35	0	676	0	243	676	193	15
			<b>Average</b>	<b>128</b>	<b>552</b>	<b>51</b>		<b>65%</b>	<b>15</b>							

<b>Basin Index Calculation</b>	Average SWE	576
	Average Normal	862

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



**North Thompson Basin Index - May 15, 2024 67%**

SOUTH THOMPSON			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	28	N/A	11
1F02	ANGLEMONT	1190	NS	NS	NS	NS	NS	N/A	N/A	N	85	0	130	361	101	22
1F03P	Park Mountain	1890	2024-05-15	121	696	58		73%	18	836	945	474	941	1341	951	39
1F04P	Enderby	1950	2024-05-15	188	1020	54		N/A	N/A	977	1214	857	1188	1315	N/A	7
1F06P	Celista Mountain	1500	2024-05-15	122	663	54		76%	19	514	1152	476	883	1155	877	17
			<b>Average</b>	<b>144</b>	<b>793</b>	<b>55</b>		<b>74%</b>	<b>19</b>							

<b>Basin Index Calculation</b>	Average SWE	680
	Average Normal	914
<b>South Thompson Basin Index - May 15, 2024</b>		<b>74%</b>

Stations used in Basin Index:  
1F03P, 1F06P

**FRASER RIVER**

<b>Basin Index Calculation</b>	Average SWE	471
	Average Normal	783
<b>Fraser River Basin Index - May 15, 2024</b>		<b>60%</b>

Stations used in Basin Index:  
1A01P, 1A02P, 1A03P, 1A14P, 1A19P, 1B01P, 1B02P, 1B08P, 1C12P, 1C17, 1C18P, 1C41P, 1D06P, 1D09P, 1D17P, 1D19P, 1E02P, 1E07, 1E08P, 1E10P, 1E14P, 1F03P, 1F06P

UPPER COLUMBIA			May 15, 2024 Data					May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
2A02	GLACIER	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	114	493	1034	N/A	47
2A03A	FIELD	1285	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	3
2A06P	Mount Revelstoke	1850	2024-05-15		684			57%	0	809	1332	700	1184	1786	1200	30
2A07	KICKING HORSE	1650	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	229	521	N/A	47
2A11	BEAVERFOOT	1890	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	94	399	N/A	4
2A14	MOUNT ABBOT	2010	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	837	1321	1944	N/A	37
2A16	GOLDSTREAM	1920	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	1055		1055	N/A	1
2A17	FIDELITY MOUNTAIN	1870	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	837	1281	1950	N/A	33
2A18P	Keystone Creek	1840	2024-05-15		430			N/A	N/A	494	1024	494	785	1204	N/A	9
2A19	VERMONT CREEK	1520	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	225		813	N/A	2
2A21P	Molson Creek	1935	2024-05-15	128	594	46		55%	0	610	1223	602	1042	1707	1081	41
2A23	Bush River	1920	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	766		766	N/A	1
2A25	KIRBYVILLE LAKE	1750	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	1130		1257	N/A	2
2A27	DOWNIE SLIDE (LOWER)	980	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	238	522	N/A	9
2A29	DOWNIE SLIDE (UPPER)	1630	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	582	1245	1334	N/A	8
2A30P	Colpitti Creek	2131	2024-05-15	120	554	46		N/A	44	398	1172	99	614	1172	N/A	14
2A31P	Caribou Creek Upper	2201	2024-05-15		613			N/A	N/A	495	1217	495	1033	1217	N/A	9
2A32P	Wildcat Creek	2122	2024-05-15		464			N/A	N/A	328	891	328	635	891	N/A	9
2A34P	Glacier NP Rogers Pass Lower	1182	2024-05-15	0	0			N/A	N/A	0	562	0		562	N/A	2
2A35P	Fred Laing Lower	577	2024-05-15	0	0			N/A	N/A	0		0		0	N/A	1
			<b>Average</b>	<b>62</b>	<b>417</b>	<b>46</b>		<b>56%</b>	<b>15</b>							

<b>Basin Index Calculation</b>	Average SWE	639
	Average Normal	1140
<b>Upper Columbia Basin Index - May 15, 2024</b>		<b>56%</b>

Stations used in Basin Index:  
2A06P, 2A21P

Record Low

Record Low

WEST KOOTENAY			May 15, 2024 Data				May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	Years of Record
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	
2B02A	FARRON	1220	2024-05-14	0	0		NS	0%	N/A	50	82	0	36	222	54	42
2B05	WHATSHAN (UPPER)	1525	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	164	556	737	N/A	3
2B06P	Barnes Creek	1620	2024-05-15		36			8%	0	219	542	31	495	758	446	31
2B07	KOCH CREEK	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	675		1148	N/A	2
2B08P	St. Leon Creek	1800	2024-05-15		734			69%	18	816	1534	639	1056	1572	1062	30
2B09	RECORD MOUNTAIN	1890	2024-05-16	50	231	46		39%	10	380	628	76	561	1367	594	49
2D02	FERGUSON	929	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	20	234	640	N/A	37
2D03	SANDON	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	218	N/A	8
2D04	NELSON	930	NS	NS	NS	NS	NS	N/A	N/A	NS	0	0	4	243	N/A	42
2D05	GRAY CREEK (LOWER)	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	408	709	N/A	49
2D06	CHAR CREEK	1310	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	252	715	296	48
2D07A	DUNCAN LAKE NO. 2	630	2024-05-15	0	0			N/A	N/A	NS	NS				N/A	0
2D07AP	Duncan Lake Dam 2	559	2024-05-15	0	0			N/A	N/A	0	0	0	0	0	N/A	4
2D08P	East Creek	2030	2024-05-15		733			82%	22	615	1168	461	914	1387	899	41
2D09	MOUNT TEMPLEMAN	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	978		978	N/A	1
2D10	GRAY CREEK (UPPER)	1940	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	311	726	1194	N/A	30
2D10P	GRAY CREEK (UPPER)	1930	2024-05-15	113	522	46		N/A	N/A	488	824	448	578	824	N/A	3
2D14P	Redfish Creek	2104	2024-05-15	196	1207	62		85%	25	1173	1760	972	1364	2206	1422	22
2D17	Lost Ledge	2050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2D18	Purcell	2060	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			<b>Average</b>	<b>60</b>	<b>385</b>	<b>51</b>		<b>47%</b>	<b>15</b>							

Basin Index Calculation	Average SWE	490
	Average Normal	746
<b>West Kootenay Basin Index - May 15, 2024</b>		<b>66%</b>

Stations used in Basin Index:  
2B02A, 2B06P, 2B08P, 2B09, 2D08P, 2D14P

EAST KOOTENAY			May 15, 2024 Data				May 15, 2024 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	2023	2022	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	0	0	107	N/A	22
2C04	SULLIVAN MINE	1550	2024-05-15	0	0		T	0%	N/A	0	118	0	99	457	100	71
2C09Q	Morrissey Ridge	1860	2024-05-15		140			27%	23	0	541	0	486	1114	510	39
2C10P	Moyie Mountain	1930	2024-05-15	0	0			0%	N/A	0	269	0	217	596	209	43
2C11	KIMBERLY UPPER	2140	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	570		570	N/A	1
2C12	KIMBERLY MIDDLE	1680	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	44		44	N/A	1
2C14P	Floe Lake	2090	2024-05-15	142	552	39		73%	20	416	1030	326	818	1084	757	29
2C15	MOUNT ASSINIBOINE	2230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	534		534	N/A	1
2C17	THUNDER CREEK	2010	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	220		220	N/A	1
			<b>Average</b>	<b>47</b>	<b>173</b>	<b>39</b>		<b>25%</b>	<b>21</b>							

Basin Index Calculation	Average SWE	173
	Average Normal	394
<b>East Kootenay Basin Index - May 15, 2024</b>		<b>44%</b>

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

BOUNDARY			May 15, 2024 Data				May 15, 2024 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	2023	2022	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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	207	363	N/A	27
2E02	CARMI	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	14
2E03	BIG WHITE MOUNTAIN	1680	2024-05-15	58	239	41		65%	24	N	423	0	416	732	369	56

2E07P	Grano Creek	1860	2024-05-15	72	441	61	81%	33	601	595	313	560	855	546	26
			<b>Average</b>	<b>65</b>	<b>340</b>	<b>51</b>	<b>73%</b>	<b>28</b>							

<b>Basin Index Calculation</b>	Average SWE	340
	Average Normal	458
<b>Boundary Basin Index - May 15, 2024</b>		<b>74%</b>

Stations used in Basin Index:  
2E03, 2E07P

OKANAGAN			May 15, 2024 Data					May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
2F01A	TROUT CREEK (West)	1430	2024-05-15	0	0			0%	N/A	0	28	0	14	243	44	14
2F01AP	Trout Creek West	1420	2024-05-15	0	0			N/A	N/A	0	0	0	0	0	N/A	6
2F02	SUMMERLAND RESERVOIR	1280	2024-05-14	0	0			0%	N/A	0	0	0	0	218	8	55
2F03	MCCULLOCH	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	102	N/A	37
2F04	GRAYSTOKE LAKE	1840	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	420	742	N/A	18
2F05P	Mission Creek	1780	2024-05-15	90	330	37		71%	29	373	489	0	418	855	462	53
2F07	POSTILL LAKE	1370	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	71	130	180	N/A	7
2F08	GREYBACK RESERVOIR	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	60	323	72	45
2F08P	Greyback Reservoir	1550	2024-05-15	0	0			N/A	N/A	0	0	0	0	143	N/A	7
2F09	WHITEROCKS MOUNTAIN	1830	NS	NS	NS	NS	NS	N/A	N/A	NS	N	0	375	968	367	49
2F09P	Whiterocks Mountain	1800	2024-05-15	0	0			N/A	N/A	245		245		245		0
2F10	Silver Star Mountain	1840	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	100	685	1054	694	57
2F10P	Silver Star Mountain	1839	2024-05-15	107	547	51		N/A	N/A	749	886	618	814	886		7
2F11	ISINTOK LAKE	1680	2024-05-15	0	0			0%	N/A	0	0	0	25	386	40	56
2F12	MOUNT KOBAN	1810	2024-05-15	20	62	31		25%	12	279	240	0	246	516	246	57
2F13	ESPERON CR (UPPER)	1650	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	66	310	625	276	13
2F14	ESPERON CR (MIDDLE)	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	128	380	145	15
2F18P	Brenda Mine	1460	2024-05-15	0	0			0%	N/A	0	0	0	0	208	21	28
2F19	OYAMA LAKE	1340	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	97		97	N/A	1
2F19P	OYAMA LAKE	1360	2024-05-15	0	0			N/A	N/A	0	0	0		0	N/A	3
2F20	VASEUX CREEK	1400	2024-05-15	0	0			0%	N/A	0	28	0	0	80	0	50
2F23	MACDONALD LAKE	1740	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	368	652	374	21
2F24	ISLAHT LAKE	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	115	352	127	11
			<b>Average</b>	<b>18</b>	<b>78</b>	<b>40</b>		<b>14%</b>	<b>20</b>							

<b>Basin Index Calculation</b>	Average SWE	56
	Average Normal	115
<b>Okanagan Basin Index - May 15, 2024</b>		<b>49%</b>

Stations used in Basin Index:  
2F01A, 2F02, 2F05P, 2F11, 2F12, 2F18P, 2F20

SIMILKAMEEN			May 15, 2024 Data					May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020	
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record
2G03P	Blackwall Peak	1940	2024-05-15	63	270	43		39%	4	293	829	188	691	1481	686	56
2G04	LOST HORSE MOUNTAIN	1920	2024-05-11	58	180	31		107%	42	76	279	0	212	577	168	54
2G05	MISSEZULA MOUNTAIN	1550	2024-05-10	0	0			0%	N/A	0	0	0	0	218	35	59
2G06	HAMILTON HILL	1490	2024-05-11	0	0			0%	N/A	0	6	0	87	434	90	44
			<b>Average</b>	<b>30</b>	<b>113</b>	<b>37</b>		<b>37%</b>	<b>23</b>							

<b>Basin Index Calculation</b>	Average SWE	113
	Average Normal	245
<b>Similkameen Basin Index - May 15, 2024</b>		<b>46%</b>

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

SOUTH COAST			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	528	1300	1714	N/A	4
3A02	POWELL RIVER (UPPER)	1040	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	816		816	N/A	1
3A05	POWELL RIVER (LOWER)	910	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	378		378	N/A	1
3A09	PALISADE LKAE	880	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	336	1349	3600	N/A	4
3A09P	Palisade Lake	900	2024-05-15	0	0			N/A	N/A	254	797	0	232	797	N/A	6
3A10	DOG MOUNTAIN	1080	2024-05-13	81	415	51		43%	12	960	1415	0	960	2920	955	37
3A19	ORCHID LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	2245	0	1697	3730	1662	38
3A20	CALLAGHAN CREEK	1040	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	55	336	1311	386	16
3A20P	Callaghan	1017	2024-05-15		55			N/A	N/A	303	641	290	303	641	N/A	5
3A22P	Nostetuko River	1500	2024-05-15	40	163	41		42%	26	67		0	363	943	392	31
3A24P	Mosley Creek Upper	1650	2024-05-15	4	3	8		2%	N/A	0	349	0	100	454	145	35
3A25P	Squamish River Upper	1340	2024-05-15	159	733	46		51%	4	1123	1564	474	1407	2980	1442	31
3A26	CHAPMAN CREEK	1022	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	1450		1450	N/A	1
3A27	EDWARDS LAKE	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A28P	Tetrahedron	1420	2024-05-15	254	1252	49		N/A	N/A	1221	1645	934	1425	1645	N/A	5
			<b>Average</b>	<b>90</b>	<b>374</b>	<b>39</b>		<b>34%</b>	<b>14</b>							

Basin Index Calculation	Average SWE	329
	Average Normal	734
<b>South Coast Basin Index - May 15, 2024</b>		<b>45%</b>

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

VANCOUVER ISLAND			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	345	1872	2631	N/A	27
3B02A	MOUNT COKELY	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3B04	ELK RIVER	270	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3B10	UPPER THELWOOD LAKE	990	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	1364	1742	2697	N/A	7
3B17P	Wolf River Upper	1490	2024-05-15		693			59%	10	773	1415	137	994	2719	1173	35
3B18	WOLF RIVER (MIDDLE)	990	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	447	1148	N/A	13
3B19	WOLF RIVER (LOWER)	640	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	549	N/A	13
3B23P	Jump Creek	1160	2024-05-15	14	37	26		4%	11	990	1396	0	941	3500	960	28
3B24P	Heather Mountain Upper	1190	2024-05-15	80	592	74		N/A	N/A	1110	1549	476	1232	1859	N/A	8
3B26P	Mount Arrowsmith	1465	2024-05-15	113	507	45		N/A	N/A	803	1224	449	884	1224	N/A	6
			<b>Average</b>	<b>69</b>	<b>457</b>	<b>48</b>		<b>31%</b>	<b>11</b>							

Basin Index Calculation	Average SWE	365
	Average Normal	1066
<b>Vancouver Island Basin Index - May 15, 2024</b>		<b>34%</b>

Stations used in Basin Index:  
3B17P, 3B23P

CENTRAL COAST			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	232		232	N/A	1
3C08P	Burnt Bridge Creek	1330	2024-05-15	77	373	48		62%	16	486	920	130	548	1448	606	25
			<b>Average</b>	<b>77</b>	<b>373</b>	<b>48</b>		<b>62%</b>	<b>16</b>							

Basin Index Calculation	Average SWE	373
	Average Normal	606
<b>Central Coast Basin Index - May 15, 2024</b>		<b>62%</b>

Stations used in Basin Index:  
3C08P

SKAGIT			May 15, 2024 Data					May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020		
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record	
3D01C	SUMALLO RIVER WEST	790	NS	NS	NS	NS	NS	N/A	N/A	NS	NS					N/A	0
3D02	LIGHTNING LAKE	1220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	544		544		N/A	1
3D03A	KLESILKWA	1175	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	17	490		N/A	4
			<b>Average</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>								

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
<b>Skagit Basin Index - May 15, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

PEACE			May 15, 2024 Data					May 15, 2024 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	2023	2022	Minimum	Median	Maximum	1991-2020		
										SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	SWE (mm)	Normal SWE (mm)	Years of Record	
4A02P	Pine Pass	1400	2024-05-15	157	661	42		62%	0	917	1182	740	1037	1664	1073	31	Record Low
4A03	WARE (UPPER)	1575	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	114		114		N/A	1
4A03P	Ware Upper	1565	2024-05-15	15	64			N/A	N/A	0	262	0	146	262		N/A	7
4A04	WARE (LOWER)	970	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0		N/A	0
4A04P	Ware Lower	971	2024-05-15	0	0			N/A	N/A	0	0	0	0	0		N/A	7
4A05	GERMANSEN (UPPER)	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	272	387	414		N/A	4
4A07	LADY LAURIER LAKE	1440	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	420		420		N/A	1
4A09P	Pulpit Lake	1311	2024-05-15	49	140	28		56%	18	87	364	4	238	561	251	33	
4A10	FREDRICKSON LAKE	1325	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	74		74		N/A	1
4A10P	Fredrickson Lake	1326	2024-05-15	19	90	47		N/A	N/A							N/A	0
4A11	TRYGVE LAKE	1410	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	269		269		N/A	1
4A12	TSAYDAYCHI LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	302		302		N/A	1
4A12P	Tsaydaychi Lake	1195	2024-05-15	4	12			N/A	N/A	163	322	163	284	322		N/A	3
4A13	PHILIP LAKE	1035	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	128		128		N/A	1
4A13P	Philip Lake	1028	2024-05-15	0	0			N/A	N/A	0	0	0	0	0		N/A	4
4A16	MORFEE MOUNTAIN	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	343	588	950		N/A	8
4A18	MOUNT SHEBA	1490	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	340	737	1179		N/A	9
4A18P	MOUNT SHEBA	1484	2024-05-15	137	608			N/A	N/A		1182	903	1168	1216		N/A	4
4A20	MONKMAN CREEK	1570	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	469	912		N/A	8
4A20P	Monkman Creek	1570	2024-05-15		202			N/A	N/A	213	586	213	438	586		N/A	5
4A21	MOUNT STEARNS	1505	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	45		45		N/A	1
4A25	FORT ST. JOHN A	690	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0		N/A	4
4A27P	Kwadacha North	1554	2024-05-15	63	208	33		67%	9	74	333	74	316	468	310	32	
4A30P	Aiken Lake	1050	2024-05-15	2	2	10		4%	N/A	0	131	0	8	203	50	36	
4A31P	Crying Girl Prairie	1358	2024-05-15	0	0			N/A	N/A	0	197	0	4	224		N/A	8
4A33P	Muskwa-Kechika	1196	2024-05-15	0	0			N/A	N/A	0	0	0	0	0		N/A	8
4A34P	Dowling Creek	1456	2024-05-15		5			N/A	N/A	1099	1451	0	1033	1457		N/A	7
4A36P	Parsnip Upper	790	2024-05-15	0	0			N/A	N/A	0	0	0	4	8		N/A	5
4A37P	McQue Terrace	1200	2024-05-15	0	0			N/A	N/A	0	0	0	0	0		N/A	3
4A38P	Horn Creek	1450	2024-05-15	22	121	55		N/A	N/A	56		56		56		N/A	1
4A39P	Chowade Upper	1480	2024-05-15	0	0			N/A	N/A							N/A	0
			<b>Average</b>	<b>29</b>	<b>117</b>	<b>36</b>		<b>47%</b>	<b>9</b>								

Basin Index Calculation	Average SWE	253
	Average Normal	421
<b>Peace Basin Index - May 15, 2024</b>		<b>60%</b>

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

SKEENA-NASS			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	534		1278	N/A	2
4B02	JOHANSON LAKE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	178		178	N/A	1
4B02P	Johanson Lake	1467	2024-05-15	45	228	51		N/A	N/A	114					N/A	1
4B03A	HUDSON BAY MTN.	1480	2024-05-14	57	215	38		53%	9	230	554	108	415	822	403	50
4B04	CHAPMAN LAKE	1460	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	238	467	689	N/A	8
4B06	TACHEK CREEK	1140	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	18	98	152	N/A	4
4B07	MCKENDRICK CREEK	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	149	320	N/A	22
4B08	MOUNT CRONIN	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	481	670	927	N/A	14
4B11A	BEAR PASS	460	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	80	304	488	N/A	8
4B13A	TERRACE AIRPORT	180	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
4B14	EQUITY MINE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	283	396	N/A	12
4B15	LU LAKE	1300	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	182	330	N/A	13
4B15P	Lu Lake	1300	2024-05-15		7			5%	N/A	0	250	0	101	495	151	26
4B16P	Shedin Creek	1480	2024-05-15	119	606	51		74%	30	528	1073	253	833	1264	819	26
4B17P	Tsai Creek	1360	2024-05-15	116	775	67		63%	3	1008	1325	666	1086	2146	1228	26
4B18P	Cedar-Kiteen	885	2024-05-15	9	15	17		4%	N/A	395	819	0	371	979	334	23
<b>Average</b>					<b>69</b>	<b>308</b>	<b>45</b>		<b>40%</b>	<b>14</b>						

Basin Index Calculation	Average SWE	324
	Average Normal	587
<b>Skeena-Nass Basin Index - May 15, 2024</b>		<b>55%</b>

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

LIARD			May 15, 2024 Data					May 15, 2024 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	2023	2022	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						N/A	N/A	51	241	0	116	243	N/A	6
4C01	SIKANNI LAKE	1385	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	130		130	N/A	1
4C02	SUMMIT LAKE	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	160	N/A	7
4C05	FORT NELSON AIRPORT	380	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	16	N/A	13
4C20P	Sierra Climate	572	2024-05-15	0	0			N/A	N/A	0		0	0	0	N/A	5
4C21P	Two Island Climate	708	2024-05-15	0	0			N/A	N/A	0		0	0	0	N/A	5
<b>Average</b>					<b>0</b>	<b>0</b>	<b>N/A</b>		<b>N/A</b>	<b>N/A</b>						

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
<b>Liard Basin Index - May 15, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

STIKINE			May 15, 2024 Data					May 15, 2024 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	2023	2022	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	2024-05-15		402			101%	43	347	475	163	423	771	399	24
4D11P	Kinaskan Lake	1020	2024-05-15	43				N/A	N/A	36	365	0	198	540	181	28
4D16P	Forrest Kerr Mid Elevation Snow	1192	2024-05-15		952			N/A	N/A	879	1301	438	813	1301	N/A	8
4D17P	Forrest Kerr High Elevation Snow	1622						N/A	N/A	1522	2072	676	1172	2072	N/A	8
<b>Average</b>					<b>43</b>	<b>677</b>	<b>N/A</b>		<b>101%</b>	<b>N/A</b>						

Basin Index Calculation	Average SWE	402
	Average Normal	399
<b>Stikine Basin Index - May 15, 2024</b>		<b>101%</b>

Stations used in Basin Index:  
4D10P

NORTHWEST			May 15, 2024 Data					May 15, 2024 Statistics		Historic Snow Water Equivalent (SWE) Data							
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density		SWE % of Normal (1991-2020)	Percentile of Historic Record	2023 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020		
						%	Code								Normal SWE (mm)	Years of Record	
4E01	LOG CABIN	900	NS	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	267	420	232	22
4E01P	Log Cabin	890	2024-05-15	60	283	47			N/A	N/A						N/A	0
4E02B	ATLIN LAKE	730	NS	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			<b>Average</b>	<b>60</b>	<b>283</b>	<b>47</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 - May 15, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

### BRITISH COLUMBIA

<b>Basin Index Calculation</b>	Average SWE	360
	Average Normal	630
<b>British Columbia Basin Index - May 15, 2024</b>		<b>57%</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