

## Snow Survey and Water Supply Bulletin – May 1<sup>st</sup>, 2024

The May 1<sup>st</sup> snow survey is now complete. Data from 90 manual snow courses and 108 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 1<sup>st</sup>, the provincial snowpack is extremely low, averaging 66% of normal across B.C. Last year, the provincial average was 91%.
- The Fraser River at Hope snow basin index is well below normal at 63%.
- Annual snow accumulation in B.C. typically reaches maximum levels in mid-April; The May 1<sup>st</sup> survey provides insight into possible late season snow accumulation, the timing of snowmelt onset, and whether melt is early, late, or following seasonal patterns.
- Below normal spring freshet flood hazard is expected this season for most of the province due to low snowpack (excluding northern regions). Local flooding from extreme rainfall is possible.
- Low snowpack and seasonal runoff forecasts combined with warm seasonal weather forecasts and lingering impacts from on-going drought are creating significantly elevated drought hazards for this upcoming spring and summer. Visit [B.C. Drought Information Portal](#).

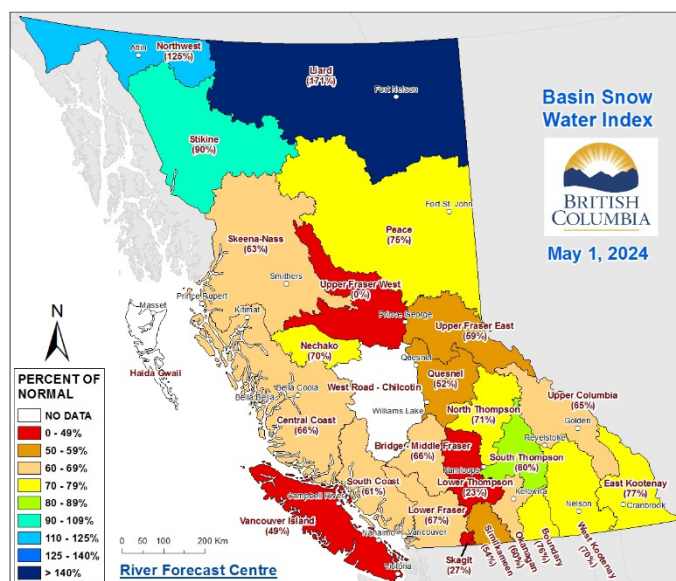


Figure 1. May 1<sup>st</sup>, 2024 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

Table 1. May 1<sup>st</sup> 2024 Snow Basin Indices in B.C.

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	0	North Thompson	71	South Coast	61
Upper Fraser East	59	South Thompson	80	Vancouver Island	49
Nechako	70	Fraser River	66	Central Coast	66
Middle Fraser	59	Upper Columbia	65	Skagit	27
Lower Thompson*	23	West Kootenay	70	Peace	75
Bridge*	66	East Kootenay	77	Skeena-Nass	63
Chilcotin*	N/A <sup>#</sup>	Boundary	76	Liard	171
Quesnel*	52	Okanagan	60	Stikine	90
Lower Fraser	67	Similkameen	54	Northwest	125
		Nicola	34	Fraser @ Hope	63

### British Columbia 66% of Normal

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

Next scheduled snow bulletin release: May 23, 2024



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### Weather

Overall, temperatures throughout British Columbia were near normal in April ranging between a  $-0.5^{\circ}\text{C}$  to  $+0.5^{\circ}\text{C}$  average anomaly. Slightly colder than normal conditions ( $-0.8^{\circ}\text{C}$  to  $-0.9^{\circ}\text{C}$ ) were measured at the Quesnel and Prince George airports, whereas slightly warmer than normal temperatures ( $+0.8^{\circ}\text{C}$ ) were measured in Fort Nelson.

In general, precipitation was below normal for most of the province in April. Smaller pockets throughout B.C. measured near normal precipitation for the month, including Cranbrook, Kamloops, Abbotsford, Victoria Gonzales, Prince Rupert, Dease Lake, Fort St. John. Fort Nelson measured above normal precipitation in April.

### Snowpack

The onset of the snowmelt season has been mixed across the province. In low-to-mid elevations, particularly in plateau terrain in the B.C. Interior, early melt of a shallow snowpack has occurred and many of these areas are now snow-free. The 2F18 Brenda Mine automated snow weather station (ASWS) melted to snow-free conditions sooner than ever recorded in 28 years. Higher elevation mountain snowpack has experienced a delay in melt due to cooler temperatures in late April, and some areas experienced additional late-season snow accumulation during recent unsettled weather periods.

The provincial snowpack increased by three percentage points since April 1<sup>st</sup> to 66% of normal for May 1<sup>st</sup>. Snow Basin Indices (SBI) for

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 significant change in weather pattern is forecast for the May 9-12 period with the development of a high-pressure ridge across B.C. This will bring a period of well above normal temperatures and lead to the first episode of rapid snowmelt at higher elevations this season.

May 1<sup>st</sup> range from 0% of normal in the Upper Fraser West to 171% in the Liard (Tables 1, 2 and Figures 1, 5, 6).

Overall, the provincial snowpack remains extremely low for May 1<sup>st</sup>. Increases in Snow Basin Indices since April 1<sup>st</sup> is largely due to a delay in snowmelt rather a significant increase in snow water equivalent (SWE). Nearly all snow basins are at or below 80% of normal, with extremely low snowpack (<60%) persisting in the Upper Fraser East, Upper Fraser West, Lower Thompson, Quesnel, Nicola, Okanagan, Similkameen, Vancouver Island and Skagit. The only regions with near normal to above normal snow are the Stikine (90%), Northwest (125%) and Liard (171%). The manual snow survey (MSS) at 4C02 Summit

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Lake in the Liard basin had a late season snowfall and measured 83 mm SWE (200% of normal) and skewed the basin higher than normal. The May 1<sup>st</sup> SBI value in the Liard basin can be extremely high due to a limited number of monitoring locations and the overall low normal SWE amount (i.e. 42 mm). For example, May 1<sup>st</sup> SBI for the Liard River was 413% and 235% of normal in 2022 and 2023, respectively.

Across the province, 16 snow stations (listed further below) are at record low May 1<sup>st</sup> values (for their respective periods of record). Stations at record lows occur in many basins including Upper Fraser East (1 snow site), Bridge (1), Quesnel (2), South Thompson (1), Upper Columbia (5), West Kootenay (2), Peace (1), and Skeena-Nass (3).

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 66%, increasing from 64% on April 1<sup>st</sup>.

The River Forecast Centre calculates an additional SBI for the Fraser River at Hope based on each basin's contribution to the total annual flow of the river. For example, the Upper Fraser East contributes approximately 30% of the total flow for the Fraser River at Hope, the North Thompson about 16%, the South Thompson about 11% and the Quesnel approximately 9%. The Fraser River at Hope Snow Basin Index is 63% of normal for May 1<sup>st</sup>, increasing from 61% of normal on April 1<sup>st</sup>.

Compared to last month, SBI values in most regions increased at higher elevation and northern basins, whereas they lowered at lower elevation regions in the Interior.

Last year, the May 1<sup>st</sup> provincial average was 91% of normal (Table 3). SBIs are much lower this year in all regions compared to 2023 due to drier and warmer conditions through the snow accumulation season. The exceptions are the Bridge, East Kootenay, Stikine and Northwest which are similar to 2023 values.

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 1, 2024 compared to April 1, 2024**

Basin	May 1 <sup>st</sup> % of Normal (Apr 1 value)	Percentage Point Change Apr 1 to May 1	Basin	May 1 <sup>st</sup> % of Normal (Apr 1 value)	Percentage Point Change Apr 1 to May 1
<b>Fraser River Region</b>			<b>Columbia Region</b>		
Upper Fraser East	59 (56)	↑ +3	Upper Columbia	65 (66)	↓ -1
Upper Fraser West	0 (70)	↓ -70	West Kootenay	70 (72)	↓ -2
Nechako	70 (62)	↑ +8	East Kootenay	77 (76)	↑ +1
Middle Fraser	59 (57)	↑ +2	Boundary	76 (76)	0
Lower Thompson*	23 (62)	↓ -39	Okanagan	60 (73)	↓ -13
Bridge*	66 (60)	↑ +6	Similkameen	54 (62)	↓ -8
Chilcotin*	N/A <sup>a</sup> (0)	N/A <sup>a</sup>	<b>Northern Region</b>		

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Quesnel*	52 (52)	0	Peace	75 (65)	↑ +10
Lower Fraser	67 (63)	↑ +4	Skeena-Nass	63 (59)	↑ +4
North Thompson	71 (71)	0	Liard	171 (55)	↑ +116
South Thompson	80 (79)	↑ +1	Stikine	90 (80)	↑ +10
<b>Coastal Region</b>			Northwest	125 (105)	↑ +20
South Coast	61 (53)	↑ +8	<b>Additional</b>		
Vancouver Island	49 (49)	0	Fraser River	66 (64)	↑ +2
Central Coast	66 (50)	↑ +16	Fraser R @ Hope	63 (61)	↑ +2
Skagit	27 (27)	0	Nicola**	34 (61)	↓ -27

**British Columbia 66 (63) ↑ +3**

<sup>a</sup> No snow measurements to calculate a SBI for May 1<sup>st</sup>, 2024      \* Sub-region of the Middle Fraser

\*\*Sub-basin of Lower Thompson – includes representative stations within Okanagan

**Table 3 – B.C. Snow Basin Indices – May 1, 2024 compared to May 1, 2023**

Basin	May 1 <sup>st</sup> % of Normal (2023 value)	Percentage Point Change 2023 to '24	Basin	May 1 <sup>st</sup> % of Normal (2023 value)	Percentage Point Change 2023 to '24
<b>Fraser River Region</b>			<b>Columbia Region</b>		
Upper Fraser East	59 (79)	↓ -20	Upper Columbia	65 (84)	↓ -19
Upper Fraser West	0 (91)	↓ -91	West Kootenay	70 (94)	↓ -24
Nechako	70 (101)	↓ -31	East Kootenay	77 (79)	↓ -2
Middle Fraser	59 (87)	↓ -28	Boundary	76 (129)	↓ -53
Lower Thompson*	23 (171)	↓ -148	Okanagan	60 (144)	↓ -84
Bridge*	66 (66)	0	Similkameen	54 (91)	↓ -37
Chilcotin*	N/A <sup>a</sup> (N/A)	N/A <sup>a</sup>	<b>Northern Region</b>		
Quesnel*	52 (100)	↓ -48	Peace	75 (104)	↓ -29
Lower Fraser	67 (88)	↓ -21	Skeena-Nass	63 (103)	↓ -40
North Thompson	71 (82)	↓ -11	Liard	171 (235)	↓ -64
South Thompson	80 (90)	↓ -10	Stikine	90 (89)	↑ +1
<b>Coastal Region</b>			Northwest	125 (126)	↓ -1
South Coast	61 (98)	↓ -37	<b>Additional</b>		
Vancouver Island	49 (98)	↓ -49	Fraser River	66 (88)	↓ -22
Central Coast	66 (104)	↓ -38	Fraser R @ Hope	63 (88)	↓ -25
Skagit	27 (47)	↓ -20	Nicola	34 (150)	↓ -116

**British Columbia 66 (91) ↓ -25**

<sup>a</sup> No snow measurements to calculate a SBI for May 1<sup>st</sup>, 2024

\* Sub-region of the Middle Fraser

\*\*Sub-basin of Lower Thompson – includes representative stations within Okanagan

Sixteen snow stations measured all-time low SWE for April 1<sup>st</sup>, 2024:

- 1A17P Revolution Creek: 565 mm SWE (69% of normal) – 35 years (Upper Fraser East)
- 1C17 Mount Timothy: 72 mm SWE (27% of normal) – 61 years (Quesnel / Middle Fraser)
- 1C28 Duffey Lake: 206 mm SWE – 17 years (Bridge / Middle Fraser)
- 1C41P Yanks Peak East: 529 mm SWE 60% of normal) – 27 years (Quesnel / Middle Fraser)
- 1F06P Celist Mountain: 793 mm SWE (80% of normal) – 17 years (South Thompson)
- 2A02 Glacier: 286 mm SWE (44% of normal) – 78 years (Upper Columbia)
- 2A06P Mount Revelstoke: 767 mm SWE (61% of normal) – 30 years (Upper Columbia)
- 2A16 Goldstream: 753 mm SWE (61% of normal) – 61 years (Upper Columbia)

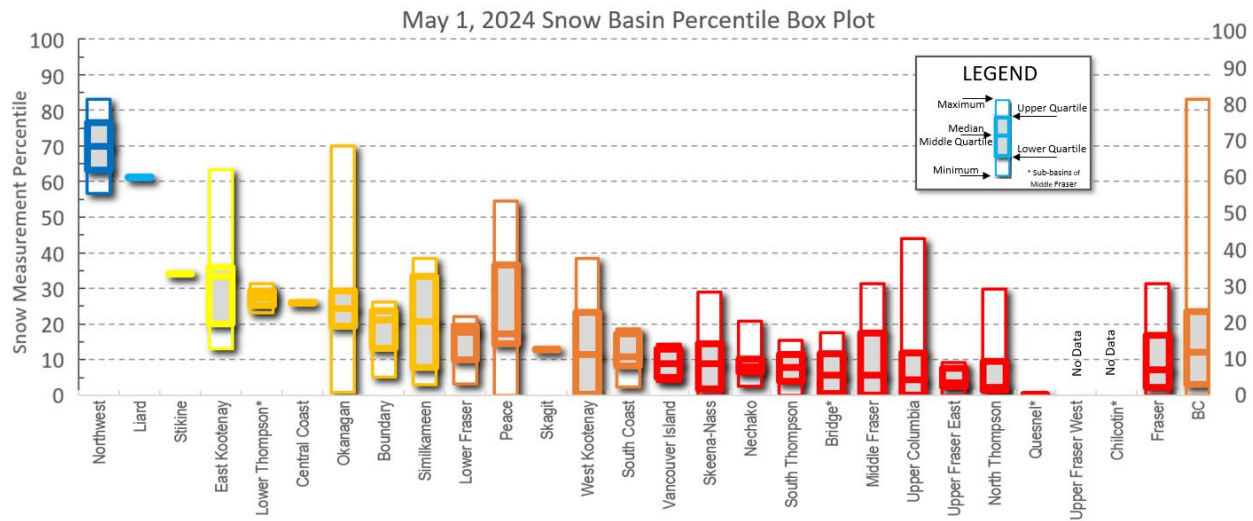
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- 2A17 Fidelity Mountain: 817 mm SWE (60% of normal) – 60 years (Upper Columbia)
- 2A21P Molson Creek: 707 mm SWE (61% of normal) – 41 years (Upper Columbia)
- 2B06P Barnes Creek: 294 mm SWE (51% of normal) – 31 years West Kootenay)
- 2D02 Ferguson: 146 mm SWE (32% of normal) – 74 years (West Kootenay)
- 4A02P Pine Pass: 804 mm SWE (69% of normal) – 31 years (Peace)
- 4B04 Chapman Lake: 272 mm SWE (56% of normal) – 56 years (Skeena-Nass)
- 4B08 Mount Cronin: 392 mm SWE (63% of normal) – 53 years (Skeena-Nass)
- 4B17P Tsai Creek: 791 mm SWE (62% of normal) – 26 years (Skeena-Nass)

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 Northwest (70<sup>th</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 1<sup>st</sup> provincial average is the 16<sup>th</sup> percentile, and the median is the 12<sup>th</sup> percentile. This compares to the April 1<sup>st</sup> 2024 values for provincial average at the 10<sup>th</sup> percentile, and median at the 6<sup>th</sup> percentile.

**Figure 2. Snow Basin Percentile Box Plot – May 1<sup>st</sup>, 2024**



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.

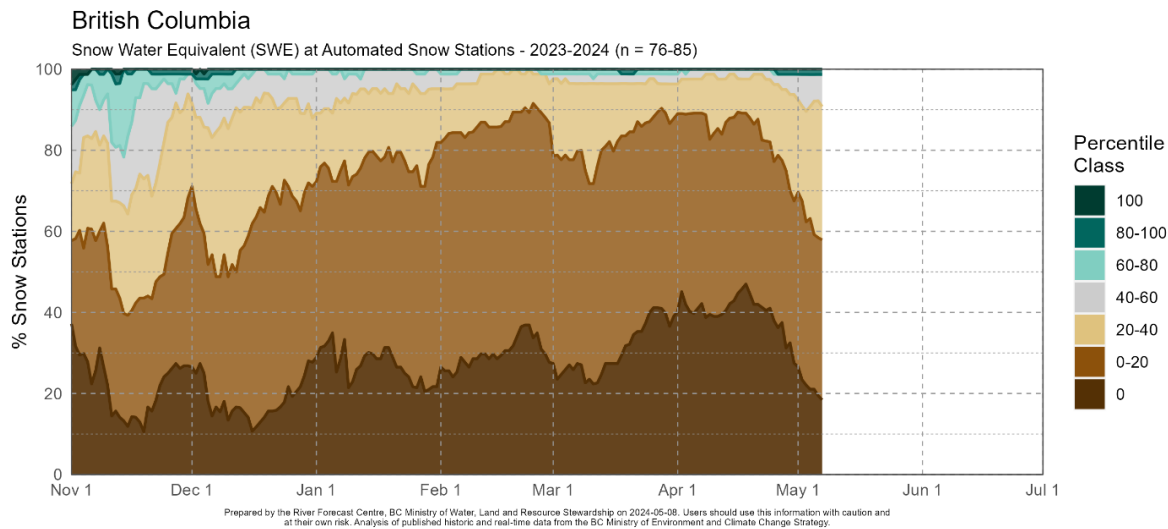
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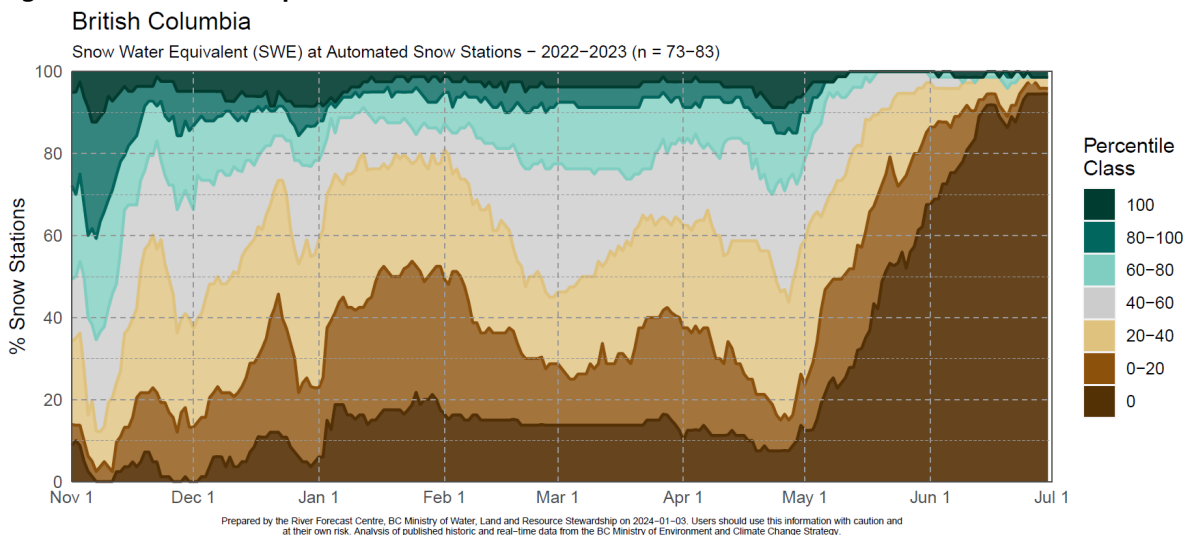
The proportion of ASWS’s reporting in the 0<sup>th</sup> and 0<sup>th</sup> to 20<sup>th</sup> percentile classes have declined since the middle of April, with around 60% of stations reporting below the 20<sup>th</sup> percentile in early-May. This compares to nearly 90% of stations in these percentiles at the start of April. This decrease reflects the delay in snowmelt that is being observed at higher elevation stations.

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)**



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



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### Seasonal Weather Outlook

The Climate Prediction Center (CPC) at the U.S. National Weather Service / NOAA continues to maintain an El Niño Advisory (May 6<sup>th</sup>, 2024). El Niño is the warm phase of the El Niño-Southern Oscillation (ENSO). Typically, El Niño conditions are linked to warmer winters across B.C., with below normal snowpacks and earlier snowmelt.

The CPC forecasts a likely transition to ENSO-neutral conditions over the April to June 2024 period (85% chance). A La Niña Watch remains in effect from the CPC, with increasing odds of La Niña conditions developing in June-August (60% 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 Volume Forecasts

Seasonal volume runoff forecasts are near normal (90%-100% of normal) for the South Thompson River. Slightly below normal (80-90% of normal) runoff is forecast for the Upper Fraser, Thompson River, North Thompson River and Skeena River. Below normal (60-80%) flows are forecast for the Quesnel River, Bulkley River, Nicola Lake, and Similkameen River. Very low volume forecasts (40-60% of

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.

With an increased likelihood of warmer spring temperatures, an accelerated spring melt is the most likely scenario over May and June.

normal) were issued for Nicola River, Okanagan Lake, Kalamalka-Wood Lake and Cowichan Lake. See the table further below in the report.

Slightly higher seasonal forecasts using the newer volume forecast model for Nicola, Okanagan and Kalamalka-Wood are driven by the inclusion of seasonal weather forecasts.

### Flood and Drought Outlook

Annual snow accumulation in B.C. typically reaches maximum levels in mid-April; The May 1<sup>st</sup> survey provides insight into possible late

season snow accumulation, the timing of snowmelt onset, and whether melt is early, late, or following seasonal patterns. Currently,

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snowpack levels are well below normal across most of the province, with normal or above normal levels in only a few regions. At this stage in the season there is no elevated flood risk present in the current snowpack across the province. Normal seasonal flood risk is expected in the Northwest, Stikine, and Liard. With below normal snowpack in all other regions, reduced flood risk is expected. On the Fraser River at Hope, the basin index is 63% of normal; 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) at Hope 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 early May, typically 5% of the annual B.C. snowpack has melted. As of May 1<sup>st</sup>, snowpack throughout the province ranges from 0 to

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.

The current low provincial snowpack (66% of normal), persistence of drought impacts from previous seasons, and the upcoming seasonal weather outlook are all significant factors for province-wide concern for drought this year. Low seasonal runoff forecasts are also indicative of elevated seasonal drought hazards. Delays in the onset of the snowmelt season at higher elevations is beneficial for the drought outlook, with a slow and steady melt helping to prolong the influence of snow on streamflow through the spring and into the summer. Continued monitoring and assessment of the timing of snowmelt will be available in the May 15<sup>th</sup> Snow and Water Supply bulletin.

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.

171% of normal across regions, with a provincial average of 66% of normal (34% below normal). While low and mid elevation





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snowpack experienced an early melt, higher elevation snowmelt has been delayed. Warmer weather forecast into the second weekend of May is expected to bring a stronger transition to upper elevation snowmelt and a start to the freshet season in rivers around the province.

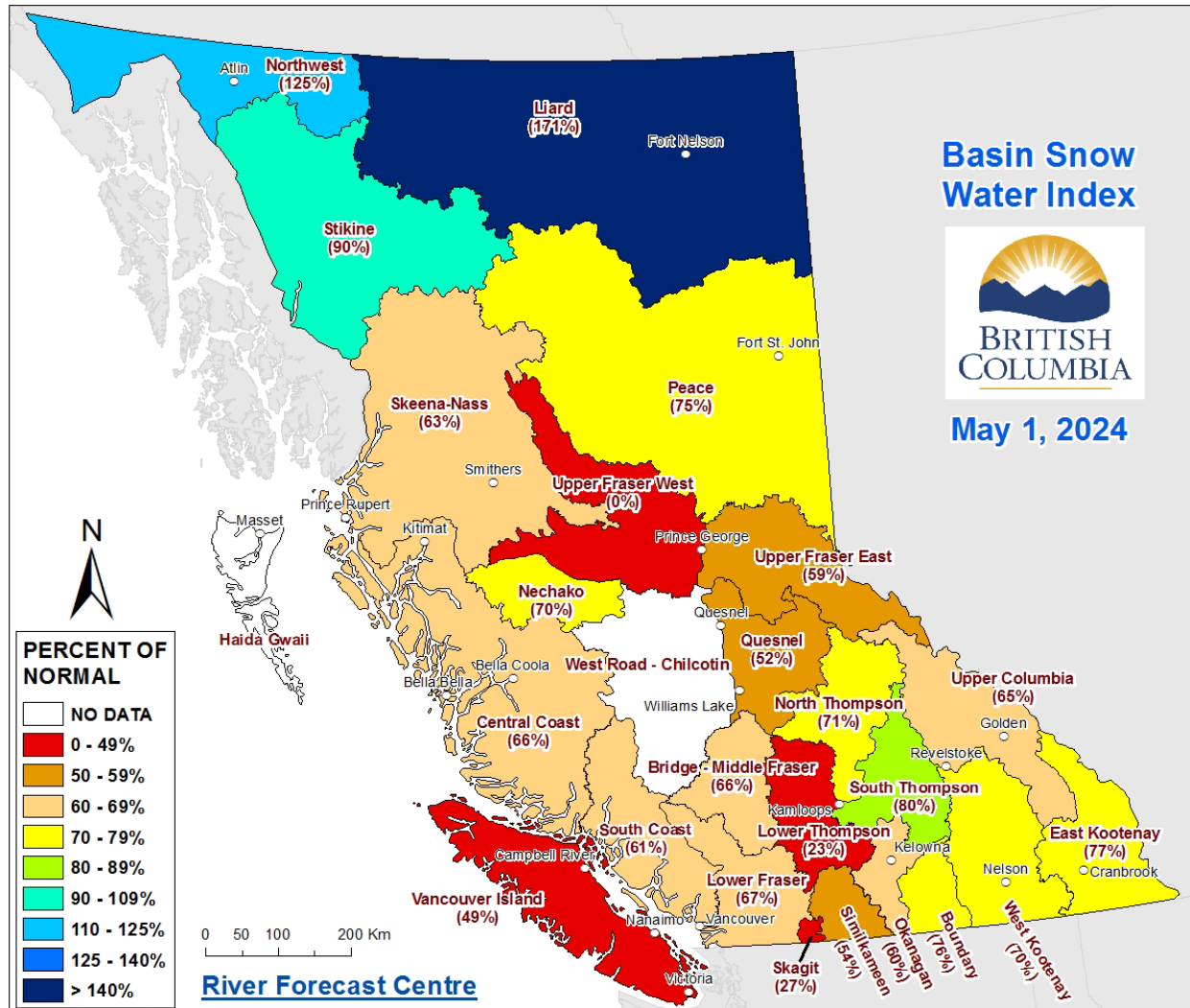
There are concerns for drought this season due to long-term precipitation deficits, low snowpack and seasonal weather forecast throughout the province. Spring weather will continue to play an important role in summer drought conditions.

The River Forecast Centre continues to monitor snowpack conditions and will provide an updated seasonal risk forecast in the May 15<sup>th</sup>, 2024 bulletin scheduled for release on May 23<sup>rd</sup>.

River Forecast Centre  
May 9, 2024

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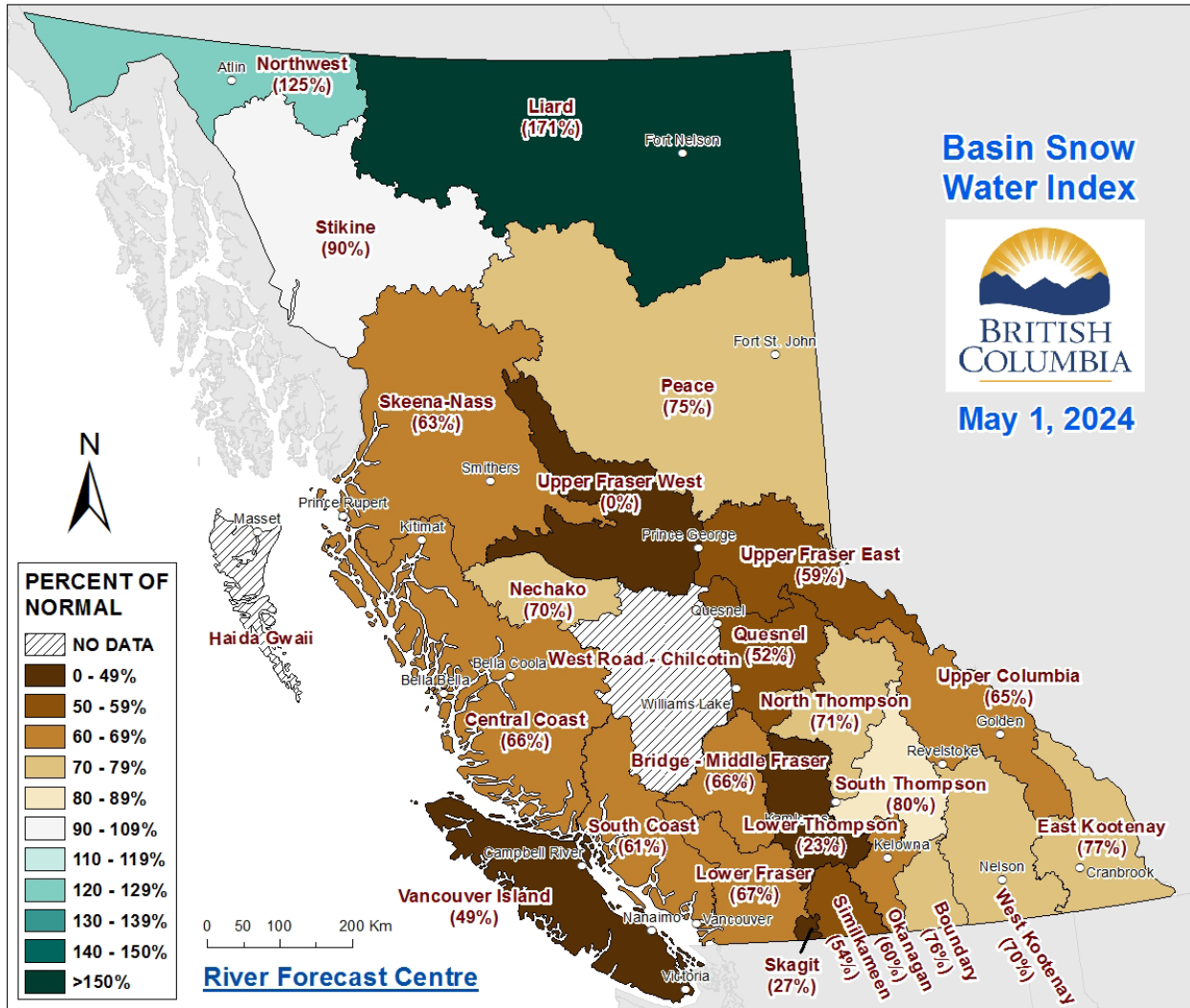
Figure 5: Basin Snow Water Index – May 1<sup>st</sup>, 2024



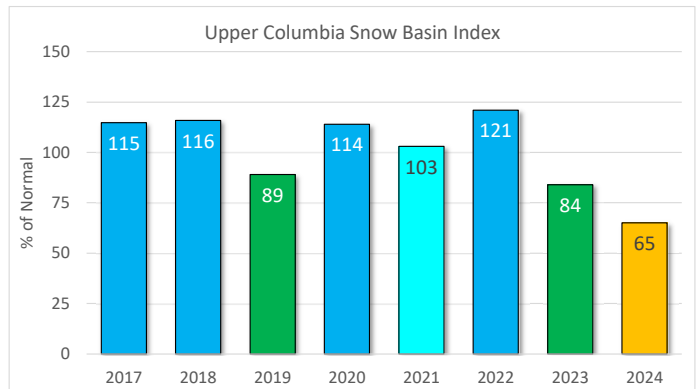
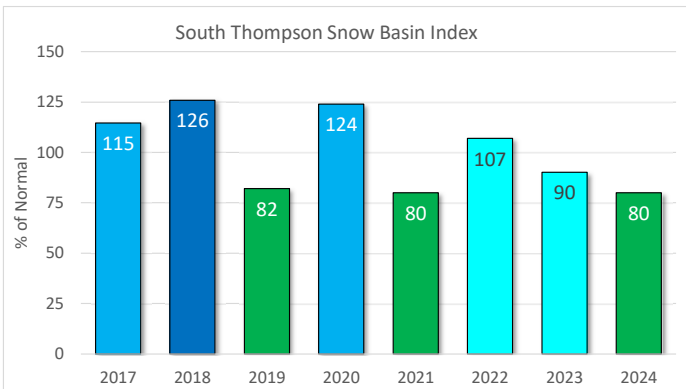
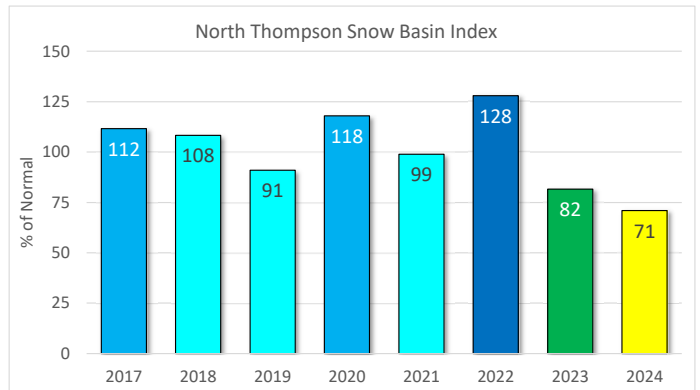
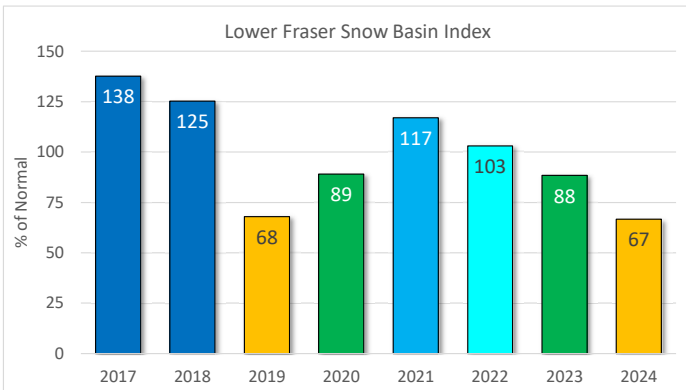
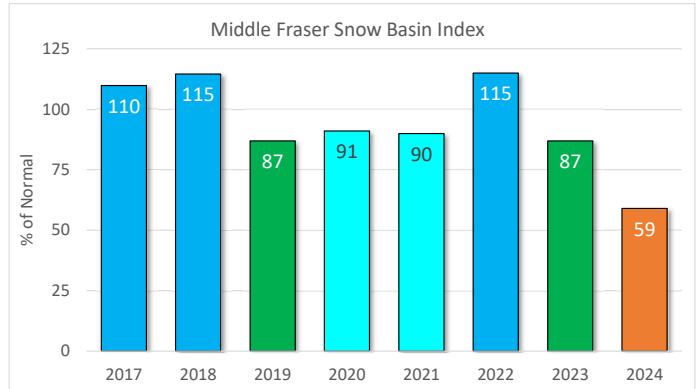
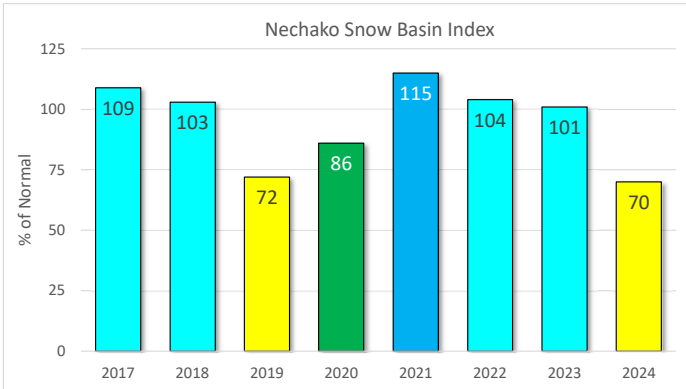
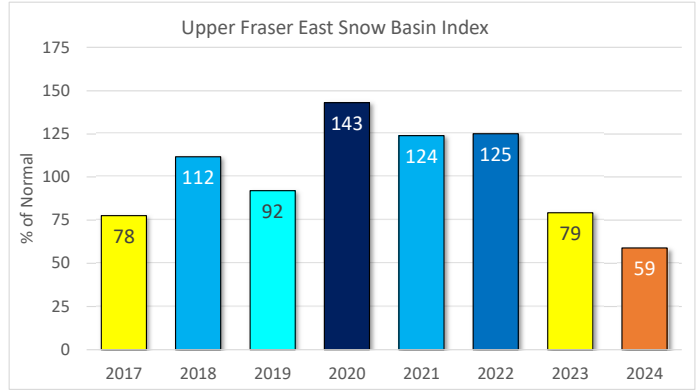
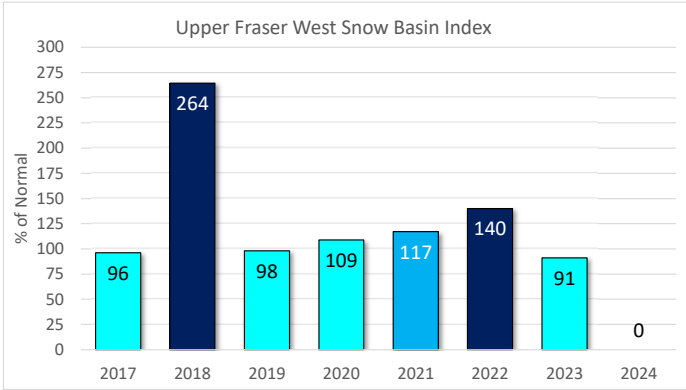
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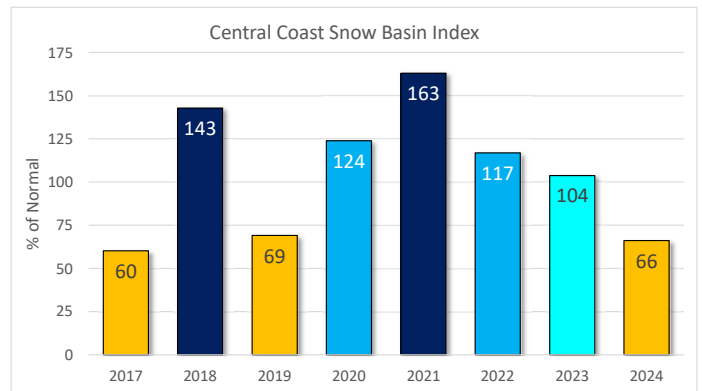
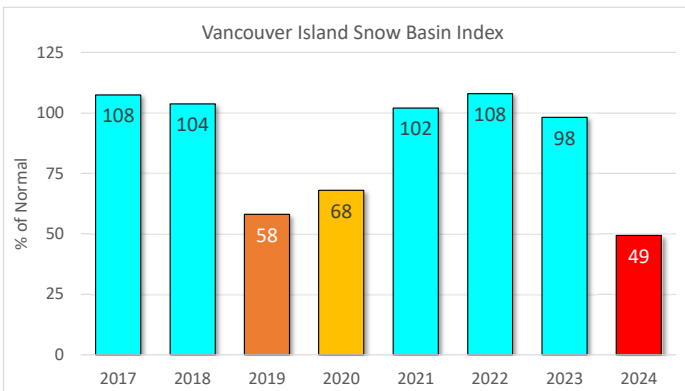
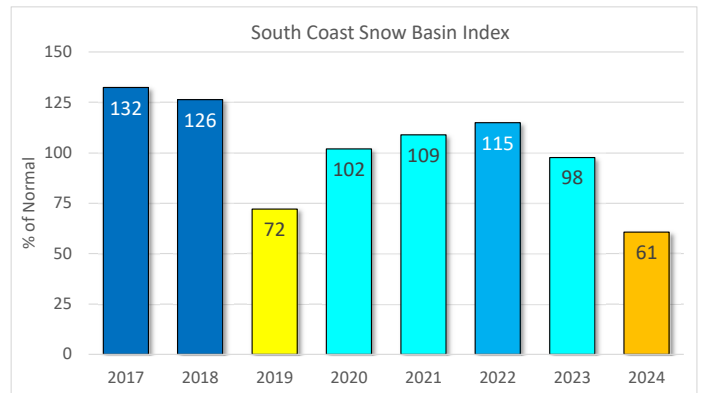
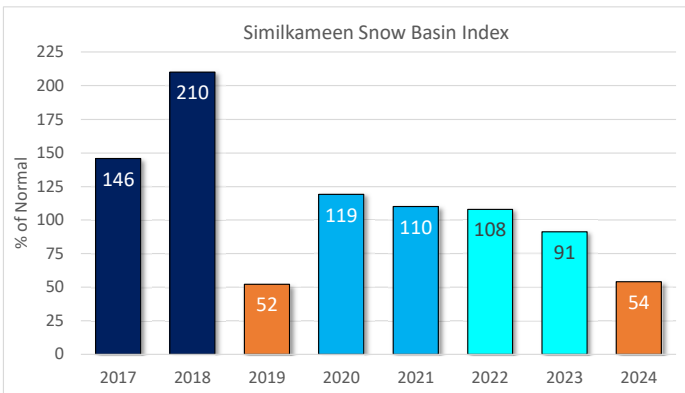
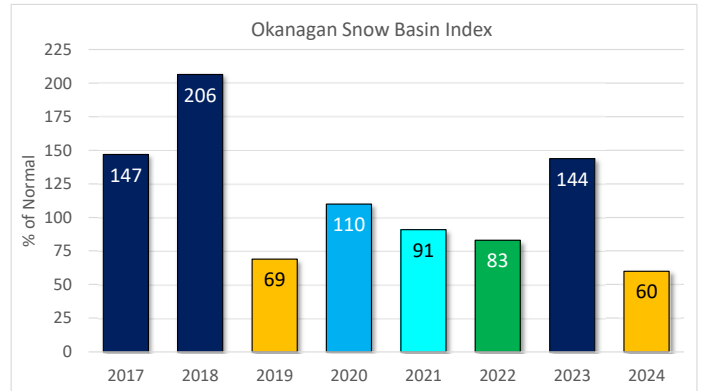
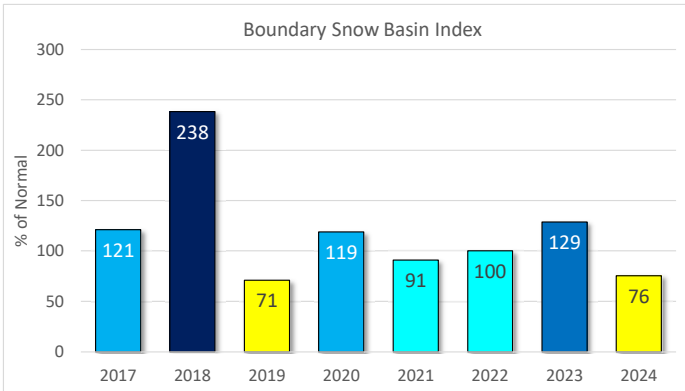
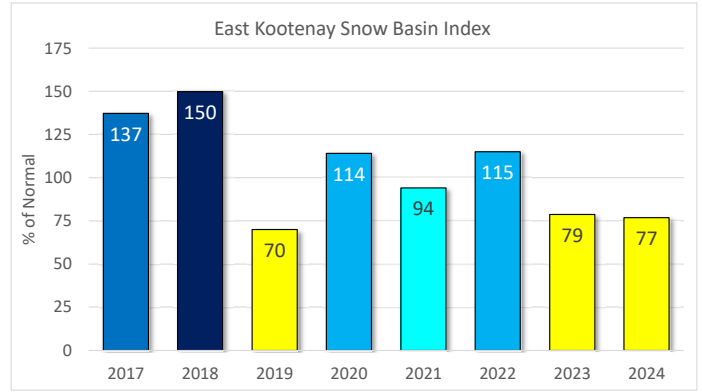
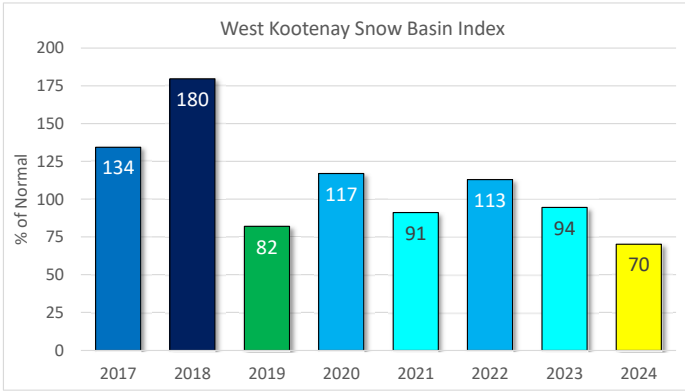
Figure 6: Basin Snow Water Index – May 1<sup>st</sup>, 2024 – Colour Friendly



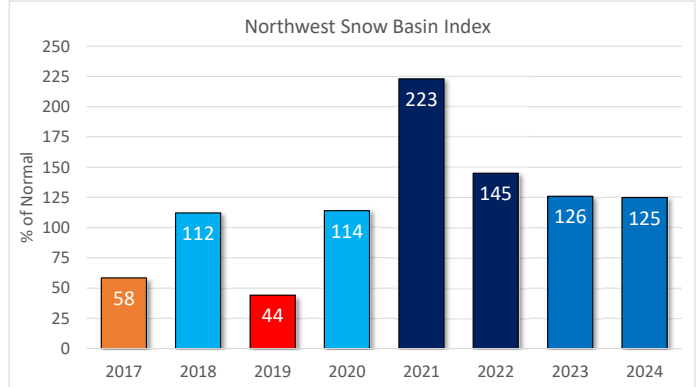
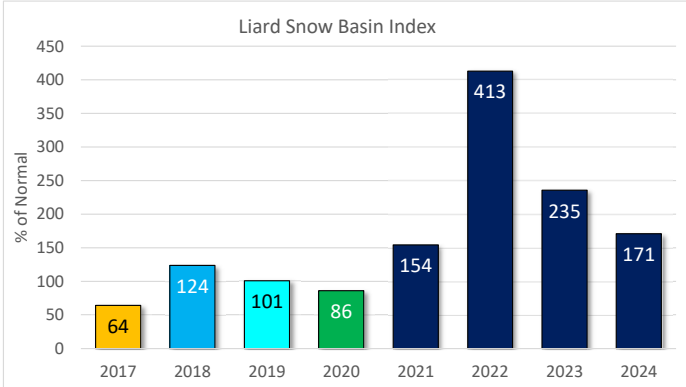
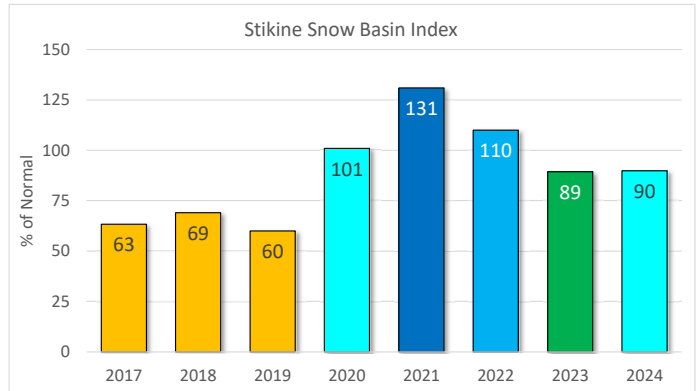
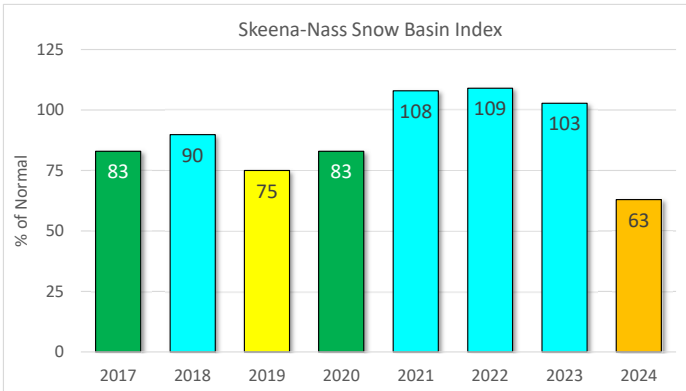
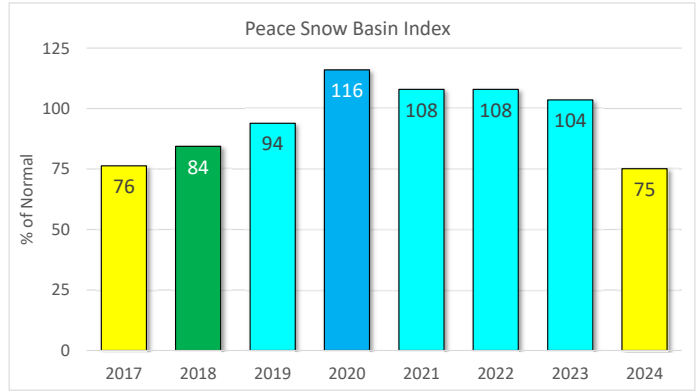
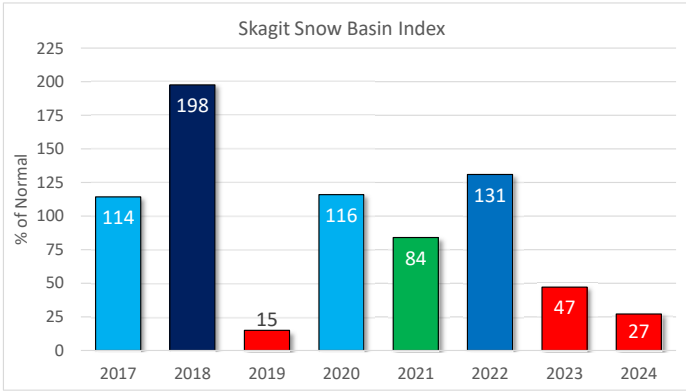
1. Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision upon review.



Snow Basin Index Graphs - May 1, 2024



Snow Basin Index Graphs - May 1, 2024



**Ministry of Water, Lands and Resource Stewardship**  
**River Forecast Centre**  
**Volume Runoff Forecast May 2024**

Location		May - Jun Runoff				May - Jul Runoff				May - Sep Runoff			
		Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )	Forecast (kdam <sup>3</sup> )	Normal (1981-2010) (kdam <sup>3</sup> )	% of Normal	Std. Error (kdam <sup>3</sup> )
Upper Fraser Basin	Fraser at McBride					2,912	3,534	82%	297	4,340	5,000	87%	373
	McGregor at Lower Canyon					2,851	3,552	80%	376	3,884	4,598	84%	563
	Fraser at Shelley					10,809	13,672	79%	1,070	14,561	17,732	82%	1,657
Middle Fraser Basin	Quesnel River at Quesnel					3,069	4,117	75%	396	4,187	5,448	77%	574
Thompson Basin	N. Thompson at McLure					6,556	8,209	80%	425	8,439	10,379	81%	785
	S. Thompson at Chase					4,886	5,298	92%	403	6,344	6,865	92%	659
	Thompson at Spences Bridge					11,743	13,923	84%	825	15,191	17,903	85%	1,510
Bulkley and Skeena	Bulkley at Quick					1,739	2,383	73%	185	2,277	2,980	76%	220
	Skeena at Usk					14,208	17,317	82%	964	18,448	21,661	85%	1,463
Nicola Lake		55	105	53%	28	78	122	64%	33				
*new model <sup>1</sup>		81	107	76%	20	118	130	91%	22	110	124	89%	26
Nicola River at Spences Bridge		242	409	59%	76	271	476	57%	98				
*new model <sup>2</sup>		366	406	90%	N/A	420	470	89%	N/A	450	497	91%	N/A
Okanagan Lake		196	349	56%	81	191	376	51%	103				
*new model <sup>2</sup>		223	374	60%	68	304	405	75%	76	280	396	71%	90
Kalamalka-Wood Lake		12.0	19.0	63%	8.2	11.7	20.4	57%	10.7				
*new model <sup>3</sup>		7.6	18.2	42%	N/A	13.4	15.7	85%	N/A	3.7	13.3	28%	N/A
Similkameen River	at Nighthawk	797	1,101	72%	152					982	1,411	70%	193
	at Hedley	551	827	67%	91					643	1,015	63%	105
Cowichan River	Cowichan Lake Inflows	65	130	50%	32					95	174	55%	50

<sup>1</sup> 1984-2019 Period of Record

<sup>2</sup> 1970-2019 Period of Record

<sup>3</sup> 1975-2019 Period of Record

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

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

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

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

Use at your own risk

May 1, 2024 Automated Snow Weather Station / Manual Snow Survey Data

UPPER FRASER EAST			May 1, 2024 Data				May 1, 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	2024-05-01	106	375	35		65%	3	353	691	353	585	833	574	25
1A02P	McBride Upper	1611	2024-05-01	105	324	31		63%	9	388	670	203	497	754	516	32
1A03P	Barkerville	1520	2024-05-01	40	148	37		47%	2	184	430	2	328	541	312	45
1A05P	Longworth Upper	1740	2024-05-01	145	762	53		N/A	N/A	1020	1258	657	993	1258	N/A	7
1A06A	HANSARD	608	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	30	100	N/A	3
1A10	PRINCE GEORGE A	689	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	216	0	41
1A11	PACIFIC LAKE	755	NS	NS	NS	NS	NS	N/A	N/A	526	626	0	528	976	512	58
1A14P	Hedrick Lake	1100	2024-05-01	135	422	31		52%	4	653	910	248	775	1268	817	24
1A15P	Knudsen Lake	1601	2024-05-01	110	546	50		N/A	N/A	896	1383	284	714	1383	N/A	8
1A17P	Revolution Creek	1690	2024-05-01	185	458	25		54%	0	701	1252	480	845	1378	851	35
1A19P	Dome Mountain	1774	2024-05-01	161	565	35		69%	9	687	937	314	836	1166	821	18
			<b>Average</b>	<b>123</b>	<b>450</b>	<b>37</b>		<b>58%</b>	<b>5</b>							

Record Low

<b>Basin Index Calculation</b>	Average SWE	382
	Average Normal	649
<b>Upper Fraser East Basin Index - May 1, 2024</b>		<b>59%</b>

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

UPPER FRASER WEST			May 1, 2024 Data				May 1, 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	2024-05-01	86	264	31		N/A	N/A	347		192	331	366	N/A	7
1A16	BURNS LAKE	800	2024-05-03	0	0			0%	N/A	10	0	0	0	148	35	44
1A23	BIRD CREEK	1180	2024-04-29	0	0			0%	N/A	74	180	0	54	218	57	31
			<b>Average</b>	<b>29</b>	<b>88</b>	<b>31</b>		<b>0%</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	0
	Average Normal	46
<b>Upper Fraser West Basin Index - May 1, 2024</b>		<b>0%</b>

Stations used in Basin Index:  
1A16, 1A23

NECHAKO			May 1, 2024 Data				May 1, 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	2024-04-29	101	295	29		59%	3	531	582	201	521	958	496	66
1B01P	Mount Wells	1490	2024-05-01		417			71%	11	571	680	305	571	917	585	31
1B02	TAHTSA LAKE	1300	2024-04-29	216	895	41		72%	8	1281	1141	701	1184	2073	1242	69
1B02P	Tahtsa Lake	1300	2024-05-01		984			74%	9	1311	1259	823	1280	2356	1329	31
1B05	SKINS LAKE	890	2024-04-29	0	0			0%	N/A	0	0	0	0	100	2	51
1B06	MOUNT SWANNELL	1620	2024-04-29	62	160	26		56%	7	292	299	15	299	499	288	32
1B07	NUTLI LAKE	1490	2024-04-29	92	284	31		59%	6	495	545	227	488	870	481	30
1B08P	Mt. Pondosy	1400	2024-05-01		601			76%	21	786	809	490	755	1267	790	28
			<b>Average</b>	<b>94</b>	<b>455</b>	<b>32</b>		<b>58%</b>	<b>9</b>							

<b>Basin Index Calculation</b>	Average SWE	455
	Average Normal	652
<b>Nechako Basin Index - May 1, 2024</b>		<b>70%</b>

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



LOWER THOMPSON			May 1, 2024 Data					May 1, 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	2024-04-29	0	0		T	0%	N/A	92	52	0	74	419	66	77
1C06	PAVILION	1230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	16
1C09A	HIGHLAND VALLEY	1510	2024-05-01	0	0			0%	N/A	84	0	0	0	181	26	56
1C25	LAC LE JEUNE (UPPER)	1509	2024-05-01	14	36	26		82%	31	128	130	0	22	168	44	50
1C29	SHOVELNOSE MOUNTAIN	1450	2024-04-29	6	13	22		16%	23	67	70	0	67	305	82	41
1C29P	Shovelnose Mountain	1460	2024-05-01	0	0			N/A	N/A	26	47	0	26	47	N/A	5
1C32P	Deadman River	1460	2024-05-01	0	3			N/A	N/A	19		19		19	N/A	1
1C42	CAVERHILL LAKE NEW	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	172		172	N/A	1
1C44P	Paradise Lake	1640	2024-05-01	0	3			N/A	N/A						N/A	0
1C45P	July Mountain	1860	2024-05-01	148	858	58		N/A	N/A						N/A	0
			<b>Average</b>	<b>21</b>	<b>114</b>	<b>35</b>		<b>24%</b>	<b>27</b>							

<b>Basin Index Calculation</b>	Average SWE	12
	Average Normal	54
<b>Lower Thompson Basin Index - May 1, 2024</b>		<b>23%</b>

Stations used in Basin Index:  
1C01, 1C09A, 1C25, 1C29

BRIDGE / LILLOOET			May 1, 2024 Data					May 1, 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	2024-05-01		181			N/A	N/A	358	631	358	434	631	N/A	6
1C05	MCGILLIVRAY PASS	1725	NS	NS	NS	NS	NS	N/A	N/A	NS	565	270	573	1118	549	70
1C12P	Green Mountain	1780	2024-05-01		595			68%	12	471	959	471	807	1369	875	30
1C14	BRALORNE	1389	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	163	389	63	58
1C14P	Bralorne	1382	2024-05-01	7	1			N/A	N/A	0	55	0	0	58	N/A	6
1C18P	Mission Ridge	1850	2024-05-01		332			65%	18	410	663	147	490	1029	513	47
1C28	DUFFEY LAKE	1200	2024-04-30	58	206	36		N/A	0	312	437	206	357	624	N/A	17
1C37	BRALORNE (UPPER)	1981	NS	NS	NS	NS	NS	N/A	N/A	NS	760	0	684	1092	641	25
1C38	DOWNTON LAKE UPPPER	1884	NS	NS	NS	NS	NS	N/A	N/A	N	978	450	852	1340	843	25
1C38P	Downton Lake Upper	1829	2024-05-01		332			N/A	N/A	638	1095	617	763	1095	N/A	8
1C39	BRIDGE GLACIER (LOWER)	1390	2024-05-02	98	374	38		62%	6	434	556	244	590	1018	603	28
1C40	TYAUGHTON CREEK (NORTH)	1947	2024-05-02	92	300	33		69%	0	NS	NS	258	413	806	436	26
1C40P	North Tyaughton	1969	2024-05-01		259			N/A	N/A	328	528	217	378	528	N/A	8
1C43P	Bridge Glacier Proglacial Lake	1505	2024-05-01	148	678			N/A	N/A	844		844		844	N/A	1
			<b>Average</b>	<b>81</b>	<b>326</b>	<b>35</b>		<b>66%</b>	<b>7</b>							

<b>Basin Index Calculation</b>	Average SWE	400
	Average Normal	607
<b>Bridge/Lillooet Basin Index - May 1, 2024</b>		<b>66%</b>

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

Record Low

CHILCOTIN			May 1, 2024 Data					May 1, 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	2024-04-29	0	0		T	N/A	N/A	0	0	0	0	48	N/A	12
1C22	PUNTZI MOUNTAIN	940						N/A	N/A	0	0	0	0	0	N/A	16
1C22AP	Puntzi Mountain	920	2024-05-01		0			N/A	N/A						N/A	0
			<b>Average</b>	<b>0</b>	<b>0</b>	<b>N/A</b>		<b>#DIV/0!</b>	<b>N/A</b>							

<b>Basin Index Calculation</b>	Average SWE	N/A
	Average Normal	N/A
<b>Chilcotin Basin Index - May 1, 2024</b>		<b>N/A</b>

Stations used in Basin Index:  
N/A

QUESNEL			May 1, 2024 Data				May 1, 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 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
1C17	MOUNT TIMOTHY	1660	2024-05-03	19	72	38		27%	0	308	310	90	302	536	265	61
1C17P	Mount Timothy	1630	2024-05-01	32				N/A	N/A						N/A	0
1C20P	Boss Mountain Mine	1460	2024-05-01					N/A	N/A	510	725	259	545	821	562	30
1C23	PENFOLD CREEK	1685	N	N	N	N	N	N/A	N/A	N	1141	710	1082	1420	1068	45
1C23P	Penfold Creek	1740	2024-05-01	184	786	43		N/A	N/A	836		836		836	N/A	1
1C33A	GRANITE MOUNTAIN	1150								182	200	0	88	221	82	18
1C41P	Yanks Peak East	1670	2024-05-01	129	529	41		60%	0	796	1141	529	954	1274	886	27
			<b>Average</b>	<b>91</b>	<b>462</b>	<b>41</b>		<b>43%</b>	<b>0</b>							

<b>Basin Index Calculation</b>	Average SWE	301
	Average Normal	575
<b>Quesnel Basin Index - May 1, 2024</b>		<b>52%</b>

Stations used in Basin Index:  
1C17, 1C41P

MIDDLE FRASER		
<b>Basin Index Calculation</b>	Average SWE	225
	Average Normal	379
<b>Middle Fraser River Basin Index - May 1, 2024</b>		<b>59%</b>

Stations used in Basin Index:  
1C01, 1C09A, 1C12P, 1C17, 1C18P, 1C25, 1C29, 1C39, 1C40, 1C41P

LOWER FRASER			May 1, 2024 Data				May 1, 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 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
1D06P	Tenquille Lake	1680	2024-05-01	190	801	42		75%	18	936	1279	653	1005	1699	1074	23
1D08	STAVE LAKE	1250	NS	NS	NS	NS	NS	N/A	N/A	1192	1380	62	1599	3120	1485	57
1D08P	Lamont Creek Upper	1217	2024-05-01	190	923	49		N/A	N/A	1233	1566	1233	1566	1757	N/A	3
1D09P	Wahleach Lake Upper	1480	2024-05-01		806			81%	22	832	997	344	986	1757	999	31
1D10	NAHATLATCH RIVER	1550	2024-05-02	163	769	47		57%	3	N	1260	468	1346	2720	1342	51
1D16	DICKSON LAKE	1160	2024-05-02	186	876	47		59%	17	1482	1450	4	1499	3180	1479	30
1D16P	Dickson Lake	1155	2024-05-01	187	950	51		N/A	N/A						N/A	0
1D17P	Chilliwack River	1600	2024-05-01	206	1194	58		75%	20	1607	1855	675	1653	2445	1583	30
1D18	Disappointment Lake	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	1945	648	1660	2660	1625	21
1D19P	Spuzzum	1180	2024-05-01	181	911	50		58%	8	1192	1408	162	1614	2940	1567	25
			<b>Average</b>	<b>186</b>	<b>904</b>	<b>49</b>		<b>68%</b>	<b>15</b>							

<b>Basin Index Calculation</b>	Average SWE	893
	Average Normal	1341
<b>Lower Fraser Basin Index - May 1, 2024</b>		<b>67%</b>

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

NORTH THOMPSON			May 1, 2024 Data				May 1, 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 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
1E01B	BLUE RIVER	670	2024-04-29	0	0		T	0%	N/A	101	194	0	10	265	79	39
1E02P	Mount Cook	1550	2024-05-01	219	1045	48		75%	2	1235	1671	1007	1362	2006	1400	20
1E03A	TROPHY MOUNTAIN	1860								480	787	417	616	960	640	46
1E03AP	TROPHY MOUNTAIN	1880	2024-05-01	139	538	39		N/A	N/A						N/A	0
1E07	ADAMS RIVER	1720								665	810	396	740	1173	748	52
1E08P	Azure River	1652	2024-05-01	181	845	47		68%	3	922	1476	776	1283	1635	1246	27
1E10P	Kostal Lake	1770	2024-05-01		665			73%	1	718	1024	641	909	1268	909	39
1E14P	Cook Creek	1280	2024-05-01	33	297	90		75%	30	294	856	101	416	856	398	15
			<b>Average</b>	<b>114</b>	<b>565</b>	<b>56</b>		<b>58%</b>	<b>9</b>							

<b>Basin Index Calculation</b>	Average SWE	570
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Stations used in Basin Index:

Average Normal	806
<b>North Thompson Basin Index - May 1, 2024</b>	<b>71%</b>

1E01B, 1E02P, 1E08P, 1E10P, 1E14P

SOUTH THOMPSON			May 1, 2024 Data				May 1, 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								0	47	0	6	165	31	66
1F02	ANGLEMONT	1190								230	262	0	223	496	177	63
1F03P	Park Mountain	1890	2024-05-01	166	779	47		80%	15	876	907	669	923	1340	973	39
1F04P	Enderby	1950	2024-05-01	245	1110			N/A	N/A	1086	1149	942	1119	1360	N/A	7
1F06P	Celista Mountain	1500	2024-05-01	177	793	45		80%	0	874	1113	799	1029	1173	996	17
			<b>Average</b>	<b>196</b>	<b>894</b>	<b>46</b>		<b>80%</b>	<b>8</b>							

<b>Basin Index Calculation</b>	Average SWE	786
	Average Normal	985
<b>South Thompson Basin Index - May 1, 2024</b>		<b>80%</b>

Stations used in Basin Index:  
1F03P, 1F06P

**FRASER RIVER**

<b>Basin Index Calculation</b>	Average SWE	461
	Average Normal	693
<b>Fraser River Basin Index - May 1, 2024</b>		<b>66%</b>

Stations used in Basin Index:  
1A01P, 1A02P, 1A03P, 1A14P, 1A17P, 1A19P, 1B01, 1B01P, 1B02, 1B02P, 1B05, 1B06, 1B07, 1B08P, 1C01, 1C09A, 1C12P, 1C17, 1C18P, 1C25, 1C29, 1C39, 1C40, 1C41P, 1D06P, 1D09P, 1D10, 1D16, 1D17P, 1D19P, 1E01B, 1E02P, 1E08P, 1E10P, 1E14P  
1F03P, 1F06P

UPPER COLUMBIA			May 1, 2024 Data				May 1, 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	2024-04-28	99	286	29		44%	0	616	922	320	661	1247	653	78
2A03A	FIELD	1285	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	178	37	49
2A06P	Mount Revelstoke	1850	2024-05-01		767			61%	0	1036	1372	874	1251	1668	1250	30
2A07	KICKING HORSE	1650	2024-04-30	63	238	38		77%	17	227	389	63	317	589	311	73
2A11	BEAVERFOOT	1890	2024-05-03	47	138	29		82%	31	132	244	0	199	495	168	63
2A14	MOUNT ABBOT	2010	2024-04-29	267	1081	40		78%	4	N	1600	853	1349	1885	1381	61
2A16	GOLDSTREAM	1920	2024-04-25	198	753	38		61%	0	949	1556	850	1196	1781	1238	61
2A17	FIDELITY MOUNTAIN	1870	2024-04-30	234	817	35		60%	0	1101	N	817	1294	1986	1360	60
2A18P	Keystone Creek	1840	2024-05-01		538			N/A	N/A	702	1088	702	961	1288	N/A	8
2A19	VERMONT CREEK	1520	2024-05-03	57	219	38		65%	12	N	458	0	364	1026	335	57
2A21P	Molson Creek	1935	2024-05-01	180	707	39		64%	0	866	1125	742	1080	1677	1108	41
2A23	Bush River	1920	NS	NS	NS	NS	NS	N/A	N/A	N	1084	492	870	1392	843	55
2A25	KIRBYVILLE LAKE	1750	2024-04-25	221	906	41		71%	4	1160	1423	770	1196	1797	1275	51
2A27	DOWNIE SLIDE (LOWER)	980	2024-04-25	86	342	40		63%	11	580	706	0	542	910	539	45
2A29	DOWNIE SLIDE (UPPER)	1630	2024-04-25	226	932	41		65%	6	1174	1568	802	1344	2242	1430	45
2A30P	Colpitti Creek	2131	2024-05-01	167	717	43		N/A	44	615	1140	452	767	1140	N/A	14
2A31P	Caribou Creek Upper	2201	2024-05-01		785			N/A	N/A	695	1216	695	1121	1216	N/A	8
2A32P	Wildcat Creek	2122	2024-05-01		530			N/A	N/A	479	902	440	719	902	N/A	8
2A34P	Glacier NP Rogers Pass Lower	1182	2024-05-01	23	150	65		N/A	N/A	331	796	331		796	N/A	2
2A35P	Fred Laing Lower	577	2024-05-01	0	2			N/A	N/A	50		50		50	N/A	1
			<b>Average</b>	<b>133</b>	<b>550</b>	<b>40</b>		<b>66%</b>	<b>10</b>							

<b>Basin Index Calculation</b>	Average SWE	599
	Average Normal	921
<b>Upper Columbia Basin Index - May 1, 2024</b>		<b>65%</b>

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

WEST KOOTENAY			May 1, 2024 Data				May 1, 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	2024-04-30	25	99	40		53%	20	274	226	0	180	437	187	51
2B05	WHATSHAN (UPPER)	1525	2024-05-02	75	291	39		50%	1	597	614	255	574	983	579	62
2B06P	Barnes Creek	1620	2024-05-01		294			51%	0	509	571	345	559	821	575	31
2B07	KOCH CREEK	1860	2024-05-02	153	595	39		75%	8	919	740	391	784	1201	796	62
2B08P	St. Leon Creek	1800	2024-05-01		880			76%	15	1023	1549	705	1175	1595	1152	30
2B09	RECORD MOUNTAIN	1890	2024-05-05	118	536	45		74%	24	780	618	157	689	1278	721	49
2D02	FERGUSON	929	2024-05-01	35	146	42		32%	0	460	N	160	427	773	456	74
2D03	SANDON	1070	2024-05-01	0	0		T	0%	N/A	100	174	0	50	399	59	69
2D04	NELSON	930	2024-04-29	0	0		T	0%	N/A	36	141	0	136	508	131	67
2D05	GRAY CREEK (LOWER)	1550	NS	NS	NS	NS	NS	N/A	N/A	N	482	229	450	726	458	72
2D06	CHAR CREEK	1310	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	79	441	838	450	53
2D07A	DUNCAN LAKE NO. 2	630	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	42	N/A	4
2D07AP	Duncan Lake Dam 2	559	2024-05-01	0	0			N/A	N/A	0	0	0	0	0	N/A	4
2D08P	East Creek	2030	2024-05-01		834			88%	39	668	1266	483	938	1349	949	42
2D09	MOUNT TEMPLEMAN	1860	2024-05-02	183	720	39		66%	0	955	1338	731	1069	1679	1090	54
2D10	GRAY CREEK (UPPER)	1940	NS	NS	NS	NS	NS	N/A	N/A	N	821	505	757	1300	794	51
2D10P	GRAY CREEK (UPPER)	1930	2024-05-01	159	622	39		N/A	N/A	726	790	726	741	790	N/A	3
2D14P	Redfish Creek	2104	2024-05-01	252	1318	52		91%	27	1374	1677	890	1469	2036	1455	22
2D17	Lost Ledge	2050	2024-05-03	200	842	42	NS	N/A	N/A	835	990	835		990	N/A	2
2D18	Purcell	2060	2024-04-30	197	738	37	NS	N/A	N/A	768	1158	768		1158	N/A	2
			<b>Average</b>	<b>107</b>	<b>495</b>	<b>41</b>		<b>55%</b>	<b>13</b>							

Record Low  
Record Low

Basin Index Calculation	Average SWE	476
	Average Normal	679
<b>West Kootenay Basin Index - May 1, 2024</b>		<b>70%</b>

Stations used in Basin Index:  
2B02A, 2B05, 2B06P, 2B07, 2B08P, 2B09, 2D03, 2D04, 2D8P, 2D09, 2D14P

EAST KOOTENAY			May 1, 2024 Data				May 1, 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	2024-04-30	15	9	6		22%	33	58	55	0	41	246	41	77
2C04	SULLIVAN MINE	1550	2024-04-30	54	208	39		104%	36	262	257	0	256	518	200	78
2C09Q	Morrissey Ridge	1860	2024-05-01		396			57%	14	386	591	317	654	1332	692	39
2C10P	Moyie Mountain	1930	2024-05-01	35	168	48		47%	13	250	358	0	355	674	354	43
2C11	KIMBERLY UPPER	2140	N	N	N	N	N	N/A	N/A	NS	NS	188	453	935	454	44
2C12	KIMBERLY MIDDLE	1680	N	N	N	N	N	N/A	N/A	NS	NS	0	205	483	175	44
2C14P	Floe Lake	2090	2024-05-01	180	655	36		83%	26	650	999	481	860	1196	793	29
2C15	MOUNT ASSINIBOINE	2230	2024-05-03	170	517	30	A	89%	36	490	761	339	559	930	583	52
2C17	THUNDER CREEK	2010	2024-05-03	106	315	30	A	108%	63	N	364	163	296	556	291	50
			<b>Average</b>	<b>93</b>	<b>324</b>	<b>32</b>		<b>73%</b>	<b>32</b>							

Basin Index Calculation	Average SWE	324
	Average Normal	422
<b>East Kootenay Basin Index - May 1, 2024</b>		<b>77%</b>

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

BOUNDARY			May 1, 2024 Data				May 1, 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	2024-05-02	40	154	39		54%	5	373	340	67	294	505	285	64
2E02	CARMI	1250	2024-05-02	0	0			0%	N/A	0	0	0	0	173	15	60

2E03	BIG WHITE MOUNTAIN	1680	2024-05-02	101	366	36	79%	21	544	440	237	474	762	464	57
2E07P	Grano Creek	1860	2024-05-01	115	497	43	85%	26	818	573	295	565	878	583	26
			<b>Average</b>	<b>64</b>	<b>254</b>	<b>39</b>	<b>55%</b>	<b>17</b>							

Basin Index Calculation	Average SWE	254
	Average Normal	337
<b>Boundary Basin Index - May 1, 2024</b>		<b>76%</b>

Stations used in Basin Index:  
2E01, 2E02, 2E03, 2E07P

OKANAGAN			May 1, 2024 Data				May 1, 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 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
2F01A	TROUT CREEK (West)	1430	2024-04-29	14	68	49		47%	25	216	78	20	118	298	143	14
2F01AP	Trout Creek West	1420	2024-05-01	0	3			N/A	N/A	157	100	0	91	240	N/A	6
2F02	SUMMERLAND RESERVOIR	1280	2024-04-29	0	0			0%	N/A	190	80	0	101	368	79	58
2F03	MCCULLOCH	1280	2024-04-30	0	0			0%	N/A	37	9	0	19	188	14	77
2F04	GRAYSTOKE LAKE	1840	2024-04-25	49	152	31		43%	1	488	328	120	386	940	356	49
2F05P	Mission Creek	1780	2024-05-01	126	441	35		82%	27	623	467	138	510	803	538	53
2F07	POSTILL LAKE	1370	2024-04-30	20	67	34		52%	14	216	141	0	155	282	129	71
2F08	GREYBACK RESERVOIR	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	172	386	175	45
2F08P	Greyback Reservoir	1550	2024-05-01	0	3			N/A	N/A	149	79	0	139	269	N/A	7
2F09	WHITEROCKS MOUNTAIN	1830	NS	NS	NS	NS	NS	N/A	N/A	NS	414	175	498	1013	490	51
2F09P	Whiterocks Mountain	1800	2024-05-01	61	320	52		N/A	N/A	708		708		708	N/A	1
2F10	Silver Star Mountain	1840	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	371	760	1135	767	59
2F10P	Silver Star Mountain	1839	2024-05-01	156	690	44		N/A	N/A	952	796	702	803	952	N/A	8
2F11	ISINTOK LAKE	1680	2024-04-25	23	82	36		75%	35	166	64	0	125	437	110	58
2F12	MOUNT KOBAU	1810	2024-04-28	69	220	32		70%	21	458	271	53	299	597	316	58
2F13	ESPERON CR (UPPER)	1650	N	N	N	N	N	N/A	N/A	N	N	119	350	805	357	51
2F14	ESPERON CR (MIDDLE)	1430	N	N	N	N	N	N/A	N/A	N	N	0	274	551	287	34
2F18P	Brenda Mine	1460	2024-05-01	0	0			0%	N/A	75	46	0	95	344	134	28
2F19	OYAMA LAKE	1340								133	N	0	60	233	66	53
2F19P	OYAMA LAKE	1360	2024-05-01	1	2			N/A	N/A	0	0	0	0	0	N/A	3
2F20	VASEUX CREEK	1400	2024-04-26	19	70	37		191%	70	118	108	0	35	195	37	52
2F23	MACDONALD LAKE	1740								N	329	198	421	650	450	38
2F24	ISLAHT LAKE	1480	2024-04-25	49	152	31		63%	23	390	197	64	257	433	242	42
			<b>Average</b>	<b>37</b>	<b>142</b>	<b>38</b>		<b>57%</b>	<b>27</b>							

Earliest Melt

Basin Index Calculation	Average SWE	114
	Average Normal	191
<b>Okanagan Basin Index - May 1, 2024</b>		<b>60%</b>

Stations used in Basin Index:  
2F01A, 2F02, 2F03, 2F04, 2F05P, 2F07, 2F11, 2F12, 2F18P, 2F20, 2F24

SIMILKAMEEN			May 1, 2024 Data				May 1, 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 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
2G03P	Blackwall Peak	1940	2024-05-01	115	423	37		53%	3	529	842	376	754	1570	805	56
2G04	LOST HORSE MOUNTAIN	1920	2024-04-26	76	214	28		89%	38	299	302	10	243	554	239	60
2G05	MISSEZULA MOUNTAIN	1550	2024-04-26	11	61	55		58%	32	185	144	0	138	323	105	59
2G06	HAMILTON HILL	1490	2024-04-27	6	16	27		9%	10	191	145	0	215	838	171	64
			<b>Average</b>	<b>52</b>	<b>179</b>	<b>37</b>		<b>52%</b>	<b>21</b>							

Basin Index Calculation	Average SWE	179
	Average Normal	330
<b>Similkameen Basin Index - May 1, 2024</b>		<b>54%</b>

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

SOUTH COAST			May 1, 2024 Data				May 1, 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	2024-04-30	167	770	46		62%	19	1500	1590	0	1202	2870	1236	73
3A02	POWELL RIVER (UPPER)	1040	NS	NS	NS	NS	NS	N/A	N/A	N	1093	533	927	1712	N/A	9
3A05	POWELL RIVER (LOWER)	910	NS	NS	NS	NS	NS	N/A	N/A	N	746	181	399	746	N/A	6
3A09	PALISADE LKAE	880	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	1415	3600	1194	67
3A09P	Palisade Lake	900	2024-05-01	54	242	45		N/A	N/A	887	914	316	693	947	N/A	6
3A10	DOG MOUNTAIN	1080	2024-04-29	125	564	45		50%	11	1335	1320	0	1188	2760	1133	40
3A19	ORCHID LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	2120	100	1914	3845	1846	49
3A20	CALLAGHAN CREEK	1040	NS	NS	NS	NS	NS	N/A	N/A	602	876	0	690	1568	720	45
3A20P	Callaghan	1017	2024-05-01	69	333	48		N/A	N/A	592	772	592	626	772	N/A	5
3A22P	Nostetuko River	1500	2024-05-01	83	356	43		64%	17	376		202	526	1065	558	31
3A24P	Mosley Creek Upper	1650	2024-05-01	41	173	42		67%	18	186	368	16	237	533	258	35
3A25P	Squamish River Upper	1340	2024-05-01	216	911	42		57%	2	1388	1564	695	1568	2911	1607	31
3A26	CHAPMAN CREEK	1022	2024-04-29	193	890	46		69%	7	NS	1554	756	1468	1873	1294	12
3A27	EDWARDS LAKE	1070	2024-04-29	116	500	43		64%	10	NS	1176	400	883	1180	781	10
3A28P	Tetrahedron	1420	2024-05-01	311	1337	43		N/A	N/A	1332	1579	1101	1484	1701	N/A	5
			<b>Average</b>	<b>138</b>	<b>608</b>	<b>44</b>		<b>62%</b>	<b>12</b>							

<b>Basin Index Calculation</b>	Average SWE	595
	Average Normal	981
<b>South Coast Basin Index - May 1, 2024</b>		<b>61%</b>

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

VANCOUVER ISLAND			May 1, 2024 Data				May 1, 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	2024-04-30	166	763	46		51%	5	1649	1598	0	1562	3500	1489	67
3B02A	MOUNT COKELY	1190	N	N	N	N	N	N/A	N/A	746	N	0	757	2062	777	36
3B04	ELK RIVER	270	2024-04-30	0	0			N/A	N/A	0	N	0	0	0	0	39
3B10	UPPER THELWOOD LAKE	990	2024-04-30	151	666	44		47%	4	1450	N	0	1484	3560	1411	61
3B17P	Wolf River Upper	1490	2024-05-01		915			70%	14	1024	1336	374	1175	2696	1316	35
3B18	WOLF RIVER (MIDDLE)	990	N	N	N	N	N	N/A	N/A	488	N	0	513	1652	527	52
3B19	WOLF RIVER (LOWER)	640	2024-04-30	0	0			0%	N/A	N	N	0	0	1118	145	51
3B23P	Jump Creek	1160	2024-05-01	69	381	55		33%	13	1204	1357	0	1171	3485	1163	28
3B24P	Heather Mountain Upper	1190	2024-05-01	129	801	62		N/A	N/A	1308	1516	822	1394	1933	N/A	8
3B26P	Mount Arrowsmith	1465	2024-05-01	168	746	44		N/A	N/A	1078	1177	781	1113	1218	N/A	6
			<b>Average</b>	<b>98</b>	<b>534</b>	<b>50</b>		<b>40%</b>	<b>9</b>							

<b>Basin Index Calculation</b>	Average SWE	545
	Average Normal	1105
<b>Vancouver Island Basin Index - May 1, 2024</b>		<b>49%</b>

Stations used in Basin Index:  
3B01, 3B10, 3B17P, 3B19, 3B23P

CENTRAL COAST			May 1, 2024 Data				May 1, 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	2024-04-26	0	0			0%	N/A	164	110	0	45	749	145	35
3C08P	Burnt Bridge Creek	1330	2024-05-01	131	615	47		78%	26	803	983	392	783	1474	786	25
			<b>Average</b>	<b>66</b>	<b>308</b>	<b>47</b>		<b>39%</b>	<b>26</b>							

<b>Basin Index Calculation</b>	Average SWE	308
	Average Normal	466
<b>Central Coast Basin Index - May 1, 2024</b>		<b>66%</b>

Stations used in Basin Index:  
3C07, 3C08P

SKAGIT			May 1, 2024 Data				May 1, 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)	
3D01C	SUMALLO RIVER WEST	790	2024-05-02	0	0			0%	N/A	0	93	0	0	371	76	30
3D02	LIGHTNING LAKE	1220	2024-04-27	30	114	38		50%	13	199	267	7	226	599	230	52
3D03A	KLESILKWA	1175	2024-05-02	0	0		T	0%	N/A	0	189	0	46	752	117	50
			<b>Average</b>	<b>10</b>	<b>38</b>	<b>N/A</b>		<b>17%</b>	<b>13</b>							

Basin Index Calculation	Average SWE	38
	Average Normal	141
<b>Skagit Basin Index - May 1, 2024</b>		<b>27%</b>

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

PEACE			May 1, 2024 Data				May 1, 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)	
4A02P	Pine Pass	1400	2024-05-01	211	804	38		69%	0	1204	1197	894	1143	1706	1159	31
4A03	WARE (UPPER)	1575	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	141	251	402	265	58
4A03P	Ware Upper	1565	2024-05-01	60	178	30		N/A	N/A	221	250	210	221	251	N/A	7
4A04	WARE (LOWER)	970	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	115	229	112	55
4A04P	Ware Lower	971	2024-05-01	2	15	71		N/A	N/A	147	166	38	113	166	N/A	7
4A05	GERMANSEN (UPPER)	1480	NS	NS	NS	NS	NS	N/A	N/A	378	305	181	343	597	356	62
4A07	LADY LAURIER LAKE	1440	2024-05-01	145	461	32		84%	29	597	620	305	522	926	549	61
4A09P	Pulpit Lake	1311	2024-05-01	99	317	32		80%	17	368	455	182	384	637	396	33
4A10	FREDRICKSON LAKE	1325	2024-04-27	69	204	30		93%	37	259	235	87	236	358	220	60
4A10P	Fredrickson Lake	1326	2024-05-01	62	239	38		N/A	N/A						N/A	0
4A11	TRYGVE LAKE	1410	2024-04-27	100	313	31		84%	14	350	426	220	368	599	372	60
4A12	TSAYDAYCHI LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	414	398	168	387	700	395	61
4A12P	Tsaydaychi Lake	1195	2024-05-01	52	182	35		N/A	N/A	407	356	356	407	433	N/A	3
4A13	PHILIP LAKE	1035	NS	NS	NS	NS	NS	N/A	N/A	205	147	0	195	406	188	60
4A13P	Philip Lake	1028	2024-05-01	0	0			N/A	N/A	123	106	72	115	124	N/A	4
4A16	MORFEE MOUNTAIN	1430	2024-04-26	108	434	40		53%	2	888	N	410	816	1181	824	52
4A18	MOUNT SHEBA	1490	NS	NS	NS	NS	NS	N/A	N/A	853	1042	503	904	1371	942	55
4A18P	MOUNT SHEBA	1484	2024-05-01	178	675	38		N/A	N/A		1095	957	1149	1274	N/A	4
4A20	MONKMAN CREEK	1570	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	329	593	1042	603	40
4A20P	Monkman Creek	1570	2024-05-01		340			N/A	N/A	414	521	414	467	564	N/A	5
4A21	MOUNT STEARNS	1505	2024-04-30	82	142	17		100%	53	204	175	0	140	271	142	50
4A25	FORT ST. JOHN A	690	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	56	0	27
4A27P	Kwadacha North	1554	2024-05-01	105	279	27		84%	15	321	366	259	343	476	331	32
4A30P	Aiken Lake	1050	2024-05-01	48	184	38		101%	55	236	248	16	176	315	182	36
4A31P	Crying Girl Prairie	1358	2024-05-01	86	189	22		N/A	N/A	313	223	0	219	313	N/A	8
4A33P	Muskwa-Kechika	1196	2024-05-01	32	24	8		N/A	N/A	200	100	0	69	200	N/A	7
4A34P	Dowling Creek	1456	2024-05-01		297			N/A	N/A	1766	1489	160	1334	1766	N/A	7
4A36P	Parsnip Upper	790	2024-05-01	0	0			N/A	N/A	92	154	13	154	221	N/A	5
4A37P	McQue Terrace	1200	2024-05-01	12	23	19		N/A	N/A	131	81	0	41	131	N/A	4
4A38P	Horn Creek	1450	2024-05-01	95	348	37		N/A	N/A	440		440		440	N/A	1
4A39P	Chowade Upper	1480	2024-05-01	74	136	18		N/A	N/A						N/A	0
			<b>Average</b>	<b>77</b>	<b>251</b>	<b>32</b>		<b>83%</b>	<b>25</b>							

Record Low

Basin Index Calculation	Average SWE	349
	Average Normal	464
<b>Peace Basin Index - May 1, 2024</b>		<b>75%</b>

Stations used in Basin Index:  
4A02P, 4A07, 4A09P, 4A10, 4A11, 4A16, 4A21, 4A27P, 4A30P

SKEENA-NASS			May 1, 2024 Data				May 1, 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	2024-04-29	153	631	41		68%	7	961	936	551	890	1591	929	68
4B02	JOHANSON LAKE	1420	2024-04-27	84	238	28		81%	18	N	344	143	288	433	294	60
4B02P	Johanson Lake	1467	2024-05-01	85	329	39		N/A	N/A	386		386		386	N/A	1
4B03A	HUDSON BAY MTN.	1480	2024-05-03	99	332	34		66%	2	560	548	272	521	795	505	52
4B04	CHAPMAN LAKE	1460	2024-05-02	84	272	32		56%	0	503	517	286	467	749	487	56
4B06	TACHEK CREEK	1140	2024-04-29	41	80	20		44%	7	224	168	55	166	363	184	53
4B07	MCKENDRICK CREEK	1050	2024-05-02	33	80	24		34%	2	268	231	72	234	453	236	56
4B08	MOUNT CRONIN	1480	2024-05-02	122	392	32		63%	N/A	543	551	422	591	1125	621	53
4B11A	BEAR PASS	460								580	570	0	519	860	483	27
4B13A	TERRACE AIRPORT	180	2024-04-26	0	0			0%	N/A	0	0	0	0	58	10	13
4B14	EQUITY MINE	1420	2024-04-29	89	270	30		68%	12	374	376	212	366	690	395	45
4B15	LU LAKE	1300	2024-04-29	60	176	29		63%	11	290	238	132	250	528	277	43
4B15P	Lu Lake	1300	2024-05-01		196			73%	29	303	268	67	273	514	270	26
4B16P	Shedin Creek	1480	2024-05-01	151	615	41		71%	16	810	1022	487	863	1226	861	26
4B17P	Tsai Creek	1360	2024-05-01	173	791	46		62%	0	1139	1236	834	1162	2083	1267	26
4B18P	Cedar-Kiteen	885	2024-05-01	69	269	39		51%	14	695	946	11	570	1076	530	23
<b>Average</b>				<b>89</b>	<b>311</b>	<b>33</b>		<b>57%</b>	<b>10</b>							

Record Low

Record Low

Record Low

Basin Index Calculation	Average SWE	310
	Average Normal	490
<b>Skeena-Nass Basin Index - May 1, 2024</b>		<b>63%</b>

Stations used in Basin Index:  
4B01, 4B02, 4B03A, 4B04, 4B06, 4B07, 4B08, 4B13A, 4B14, 4B15, 4B15P, 4B16P, 4B17P, 4B18P

LIARD			May 1, 2024 Data				May 1, 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	2024-05-01	78	218	28		N/A	N/A	296	290	159	283	359	N/A	6
4C01	SIKANNI LAKE	1385	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	88	265	404	252	58
4C02	SUMMIT LAKE	1280	2024-05-01	28	83	30		201%	61	114	175	0	6	200	41	54
4C05	FORT NELSON AIRPORT	380	2024-05-01	0	0			0%	N/A	0	25	0	0	103	7	37
4C20P	Sierra Climate	572	2024-05-01		0			N/A	N/A	0	0	0	0	157	N/A	5
4C21P	Two Island Climate	708	2024-05-01		2			N/A	N/A	0	0	0	0	197	N/A	5
<b>Average</b>				<b>35</b>	<b>61</b>	<b>29</b>		<b>100%</b>	<b>61</b>							

Basin Index Calculation	Average SWE	42
	Average Normal	24
<b>Liard Basin Index - May 1, 2024</b>		<b>171%</b>

Stations used in Basin Index:  
4C02, 4C05

STIKINE			May 1, 2024 Data				May 1, 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	2024-05-01		471			90%	34	479	514	315	501	838	525	24
4D11P	Kinaskan Lake	1020	2024-05-01	86				N/A	N/A	278	416	111	321	609	323	28
4D16P	Forrest Kerr Mid Elevation Snow	1192	2024-05-01		1009			N/A	N/A	1043	1323	568	912	1323	N/A	8
4D17P	Forrest Kerr High Elevation Snow	1622	2024-05-01		1567			N/A	N/A	1389	2034	688	1237	2034	N/A	8
<b>Average</b>				<b>86</b>	<b>1016</b>	<b>N/A</b>		<b>90%</b>	<b>34</b>							

Basin Index Calculation	Average SWE	471
	Average Normal	525
<b>Stikine Basin Index - May 1, 2024</b>		<b>90%</b>

Stations used in Basin Index:  
4D10P



NORTHWEST			May 1, 2024 Data				May 1, 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
4E01	LOG CABIN	900	2024-04-26	122	470	39		126%	83	435	481	127	358	761	374	65
4E01P	Log Cabin	890	2024-05-01	89	405	46		N/A	N/A						N/A	0
4E02B	ATLIN LAKE	730	2024-04-25	16	41	26		118%	57	80	114	0	32	153	35	17
			<b>Average</b>	<b>76</b>	<b>305</b>	<b>37</b>		<b>122%</b>	<b>70</b>							

<b>Basin Index Calculation</b>	Average SWE	256
	Average Normal	205
<b>Northwest Basin Index - May 1, 2024</b>		<b>125%</b>

Stations used in Basin Index:  
4E01, 4E02B

**BRITISH COLUMBIA**

<b>Basin Index Calculation</b>	Average SWE	390
	Average Normal	595
<b>British Columbia Basin Index - May 1, 2024</b>		<b>66%</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