

Snow Survey and Water Supply Bulletin – April 1st, 2024

The April 1st snow survey is now complete. Data from 106 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 April 1st, the provincial snowpack is extremely low, averaging 63% of normal across B.C. Last year, the provincial average was 88%.
- The Fraser River at Hope snow basin index is well below normal at 61%.
- It is the lowest snowpack on record since 1970, at least, for the province and the Fraser River.
- By April 1st, 95% of the seasonal snowpack has typically accumulated.
- Dry conditions persisted through much of March. Many locations in the northern and interior regions measured near record low precipitation for the last month.
- Below normal spring freshet flood hazard is expected this season due to low snowpack. 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.

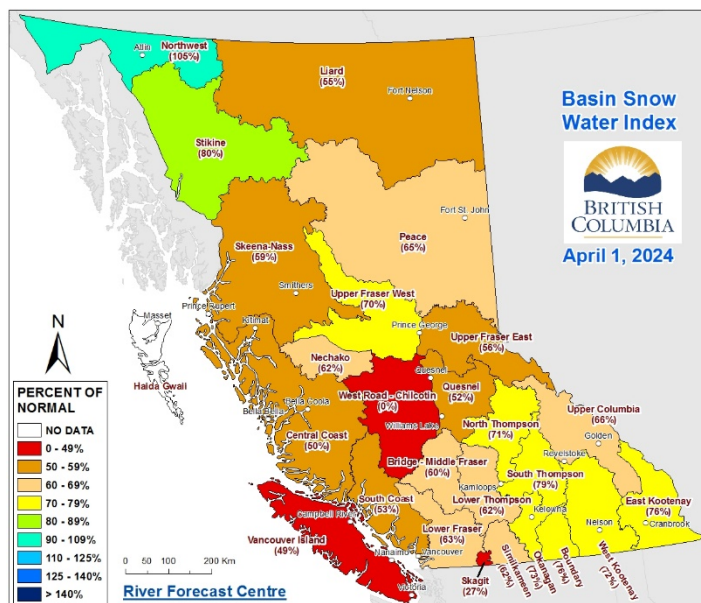


Figure 1. April 1st, 2024 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

Table 1. April 1st 2024 Snow Basin Indices in B.C.

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	70	North Thompson	71	South Coast	53
Upper Fraser East	56	South Thompson	79	Vancouver Island	49
Nechako	62	Fraser River	64	Central Coast	50
Middle Fraser	57	Upper Columbia	66	Skagit	27
Lower Thompson*	62	West Kootenay	72	Peace	65
Bridge*	60	East Kootenay	76	Skeena-Nass	59
Chilcotin*	0	Boundary	76	Liard	55
Quesnel*	52	Okanagan	73	Stikine	80
Lower Fraser	63	Similkameen	62	Northwest	105
		Nicola	61	Fraser @ Hope	61

British Columbia 63% 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 9, 2024



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Weather

After an unsettled start to March, weather patterns for the second half of the month were relatively dry throughout British Columbia. Overall, temperatures across B.C. were near normal ranging between a -0.5°C to $+0.5^{\circ}\text{C}$ average anomaly.

Monthly precipitation totals were normal for Vancouver Island. The rest of the province measured drier-than-normal conditions with some areas in the North and Interior being very dry. Several locations recorded their 2nd and 4th lowest total March precipitation, including Quesnel, Williams Lake, Prince George, Dease Lake, Chetwynd, Fort St. John and Fort Nelson.

Snowpack

A stormy start to March boosted snow accumulation in southern regions of the province, but relatively dry conditions persisted through the remainder of the month. The provincial snowpack decreased by

Seasonal precipitation over the past 180 days has been close to normal across most of southern B.C., with central and northern B.C. experiencing below normal precipitation over the period. Over longer periods (i.e., the last 365 days) most of the province has experienced below normal cumulative precipitation, with areas around Vancouver Island, South Coast, South Interior and Kootenays having experienced closer to normal precipitation over this period.

During the first week of April, light to moderate snow accumulated at automated snow weather stations (ASWS) and short-term weather forecasts indicate continued seasonal accumulation for the next seven days.

three percentage points since March 1st to 63% of normal for April 1st. Snow Basin Indices (SBI) for April 1st range from 0% of normal in the Chilcotin to 105% in the Northwest (Tables 1, 2 and Figures 1, 5, 6). The two measurements of

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0 mm SWE in Chilcotin are not uncommon for April 1st due to their low elevation and early snowmelt; the March 1st SBI of 67% of normal is more representative of seasonal snowpack.

Overall, the provincial snowpack is extremely low for April 1st. Nearly all snow basins are at or below 80% of normal, with extremely low snowpack (<60%) persisting in the Upper Fraser East, Quesnel, Chilcotin, Central Coast, South Coast, Skagit, Vancouver Island, Skeena-Nass and Liard. The only region with near normal snow is the Northwest (105%). Across the province, 28 snow stations (listed further below) are at record low April 1st values (for their respective periods of record). Stations at record lows occur in many basins including Upper Fraser East (1 snow site), Nechako (3), Bridge (1), Quesnel (3), North Thompson (1), South Thompson (1), Upper Columbia (3), West Kootenay (1), Okanagan (2), Peace (4), Skeena-Nass (7) and Liard (1).

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 64%, decreasing from 68% on March 1st.

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 61% of normal for April 1st; the lowest since 1970, at least. The two previous low years were 1981 (63%) and 1993 (70%).

Compared to last month, SBI values in most regions decreased. The only regions with percent of normal increases from March 1st to April 1st are the Upper Fraser East, Lower Fraser, South Coast and Vancouver Island.

Last year, the April 1st provincial average was 88% of normal (Table 3). SBIs are much lower this year in all regions (except the Stikine and Northwest) compared to 2023 due to dry and warm conditions through the snow accumulation season.

The April 1st B.C. average snowpack in 2024 is the lowest since 1970, at least. Based on active stations, and using the 1991-2020 normal period, the five previous low April 1st snowpack levels since 1970 were 2015 (65% of normal), 1981 (68%), 1977 (70%), 1993 (72%), and 2005 (72%). In 2015, extremely low snowpack levels on Vancouver Island and the South Coast significantly skewed the provincial average downward. Despite the extremely low 2024 April 1st SBI values in the southwest (27-53% of normal on Vancouver Island, South Coast and Skagit) these regions were considerably lower in 2015, their lowest year on record, when April 1st SBI values ranged from 13-26% of normal.

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

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Table 2 – B.C. Snow Basin Indices – April 1, 2024 compared to March 1, 2024

Basin	April 1 st % of Normal (Mar 1 value)	Percentage Point Change Mar 1 to Apr 1	Basin	April 1 st % of Normal (Mar 1 value)	Percentage Point Change Mar 1 to Apr 1
Fraser River Region			Columbia Region		
Upper Fraser East	56 (52)	↑ +4	Upper Columbia	66 (70)	↓ -4
Upper Fraser West	70 (79)	↓ -9	West Kootenay	72 (72)	0
Nechako	62 (68)	↓ -6	East Kootenay	76 (81)	↓ -5
Middle Fraser	57 (64)	↓ -7	Boundary	76 (87)	↓ -11
Lower Thompson*	62 (70)	↓ -8	Okanagan	73 (80)	↓ -7
Bridge*	60 (63)	↓ -3	Similkameen	62 (62)	0
Chilcotin*	0 (67)	↓ -67	Northern Region		
Quesnel*	52 (63)	↓ -11	Peace	65 (70)	↓ -5
Lower Fraser	63 (61)	↑ +2	Skeena-Nass	59 (62)	↓ -3
North Thompson	71 (76)	↓ -5	Liard	55 (N/A ^a)	N/A ^a
South Thompson	79 (90)	↓ -11	Stikine	80 (84)	↓ -4
Coastal Region			Northwest	105 (114)	↓ -9
South Coast	53 (40)	↑ +13	Additional		
Vancouver Island	49 (46)	↑ +3	Fraser River	64 (68)	↓ -4
Central Coast	50 (56)	↓ -6	Fraser R @ Hope	61 (70)	↓ -9
Skagit	27 (30)	↓ -3	Nicola**	61 (71)	↓ -10
British Columbia 63 (66) ↓ -3					

^a No snow measurements to calculate a SBI for March 1st, 2024 * Sub-region of the Middle Fraser

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

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

Basin	April 1 st % of Normal (2023 value)	Percentage Point Change 2023 to '24	Basin	April 1 st % of Normal (2023 value)	Percentage Point Change 2023 to '24
Fraser River Region			Columbia Region		
Upper Fraser East	56 (87)	↓ -31	Upper Columbia	66 (81)	↓ -15
Upper Fraser West	70 (111)	↓ -41	West Kootenay	72 (90)	↓ -18
Nechako	62 (95)	↓ -33	East Kootenay	76 (81)	↓ -5
Middle Fraser	57 (89)	↓ -32	Boundary	76 (120)	↓ -44
Lower Thompson*	62 (131)	↓ -69	Okanagan	73 (113)	↓ -40
Bridge*	60 (68)	↓ -8	Similkameen	62 (81)	↓ -19
Chilcotin*	0 (241)	↓ -241	Northern Region		
Quesnel*	52 (103)	↓ -51	Peace	65 (94)	↓ -29
Lower Fraser	63 (83)	↓ -20	Skeena-Nass	59 (96)	↓ -37
North Thompson	71 (82)	↓ -11	Liard	55 (86)	↓ -31
South Thompson	79 (97)	↓ -18	Stikine	80 (77)	↑ +3
Coastal Region			Northwest	105 (97)	↑ +8
South Coast	53 (80)	↓ -27	Additional		
Vancouver Island	49 (76)	↓ -27	Fraser River	64 (87)	↓ -23
Central Coast	50 (98)	↓ -48	Fraser R @ Hope	61 (100)	↓ -39
Skagit	27 (73)	↓ -46	Nicola	61 (109)	↓ -48
British Columbia 63 (88) ↓ -25					

* Sub-region of the Middle Fraser

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Twenty-eight snow stations measured all-time low snow water equivalent (SWE) for April 1st, 2024:

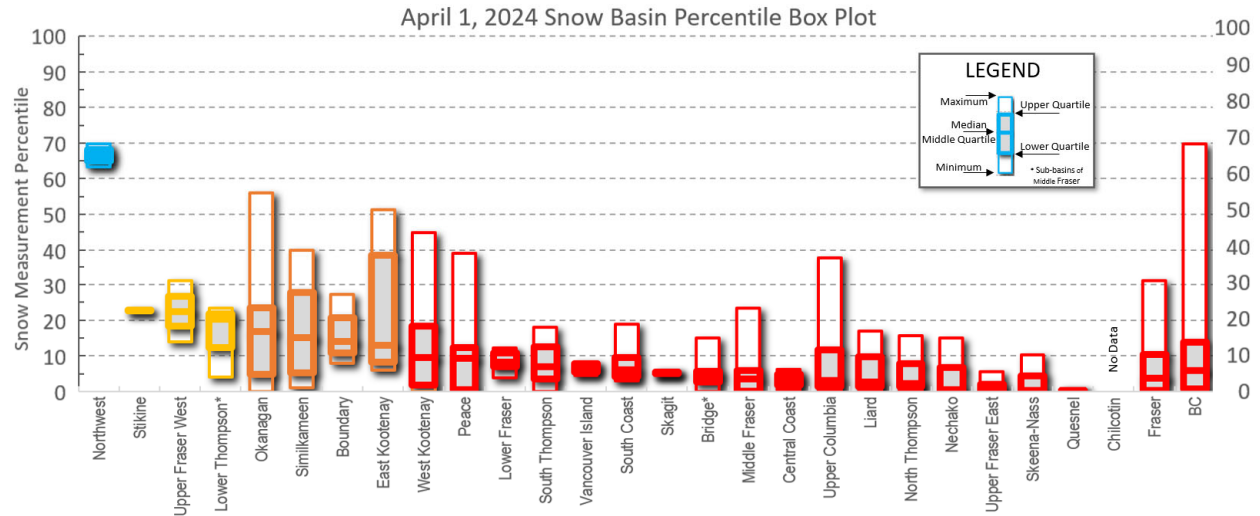
- 1A17P Revolution Creek: 401 mm SWE (49% of normal) – 35 years (Upper Fraser East)
- 1B02 Tahtsa Lake: 698 mm SWE (58% of normal) – 70 years (Nechako)
- 1B06 Mount Swannell: 136 mm SWE (46% of normal) – 35 years (Nechako)
- 1B07 Nutli Lake: 281 mm SWE (54% of normal) – 33 years (Nechako)
- 1C05 McGillivray Pass: 308 mm SWE (54% of normal) – 67 years (Bridge / Middle Fraser)
- 1C17 Mount Timothy: 104 mm SWE (33% of normal) – 61 years (Quesnel / Middle Fraser)
- 1C33A Granite Mountain: 69 mm SWE (35% of normal) – 18 years (Quesnel / Middle Fraser)
- 1C41P Yanks Peak East: 498 mm SWE (59% of normal) – 27 years (Quesnel / Middle Fraser)
- 1E02P Mount Cook: 911 mm SWE (71% of normal) – 20 years (North Thompson)
- 1F06P Celist Mountain: 700mm SWE (78% of normal) – 18 years (South Thompson)
- 2A16 Goldstream: 664 mm SWE (57% of normal) – 59 years (Upper Columbia)
- 2A21P Molson Creek: 632 mm SWE (61% of normal) – 41 years (Upper Columbia)
- 2A29 Downie Slide (Upper): 850 mm SWE (62% of normal) – 46 years (Upper Columbia)
- 2D09 Mount Templeton: 667 mm SWE (62% of normal) – 44 years (West Kootenay)
- 2F01A Trout Creek (West): 120 mm SWE (55% of normal) – 14 years (Okanagan)
- 2F18P Brena Mine: 176 mm SWE (53% of normal) – 28 years (Okanagan)
- 4A02P Pine Pass: 730 mm SWE (67% of normal) – 31 years (Peace)
- 4A05 Germansen (Upper): 182 mm SWE (51% of normal) – 62 years (Peace)
- 4A16 Morfee Mountain: 457 mm SWE (54% of normal) – 54 years (Peace)
- 4A20 Monkman Creek: 266 mm SWE (47% of normal) – 42 years (Peace)
- 4B01 Kidprice Lake: 537 mm SWE (58% of normal) – 70 years (Skeena-Nass)
- 4B03A Hudson Bay Mtn.: 298 mm SWE (60% of normal) – 52 years (Skeena-Nass)
- 4B04 Chapman Lake: 257 mm SWE (55% of normal) – 58 years (Skeena-Nass)
- 4B07 McKendrick Creek: 125 mm SWE (45% of normal) – 56 years (Skeena-Nass)
- 4B08 Mount Cronin: 355 mm SWE (63% of normal) – 54 years (Skeena-Nass)
- 4B14 Equity Mine: 242 mm SWE (60% of normal) – 47 years (Skeena-Nass)
- 4B17P Tsai Creek: 703 mm SWE (63% of normal) – 26 years (Skeena-Nass)
- 4C01 Sikanni Lake: 144 mm SWE (54% of normal) – 58 years (Liard)

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 (67th percentile); the region with the lowest is

Quesnel (0th). 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 April 1st provincial average is the 10th percentile, and the median is the 6th percentile.

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Figure 2. Snow Basin Percentile Box Plot – April 1st, 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 (80th to 100th percentile), above normal (60th to 80th), normal (40th to 60th), below normal (20th to 40th), and well below normal (0th to 20th). All-time high and all-time low are represented by the 100th and 0th percentiles, respectively.

After snowfall in late February and early March, dry conditions developed over the province for the final few weeks of the month. As of April 1st, approximately 90% of stations were reporting well below normal (0th to 20th percentile) and about 40% at all-time low.

Growth in the proportion of ASWS stations with well below normal SWE over the past 1-2 weeks has been influenced by the onset of early season snowmelt, particularly at low-to-mid elevation locations (e.g., below 1500 m). For example, Brenda Mine (2F18P) reached peak snow accumulation on March 11th and has subsequently melted nearly 40% of the peak snow by April 8th. The onset of seasonal snowmelt is about 3 weeks earlier than normal at this location, and similar conditions are being observed at other low- to mid-elevation locations.

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.

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

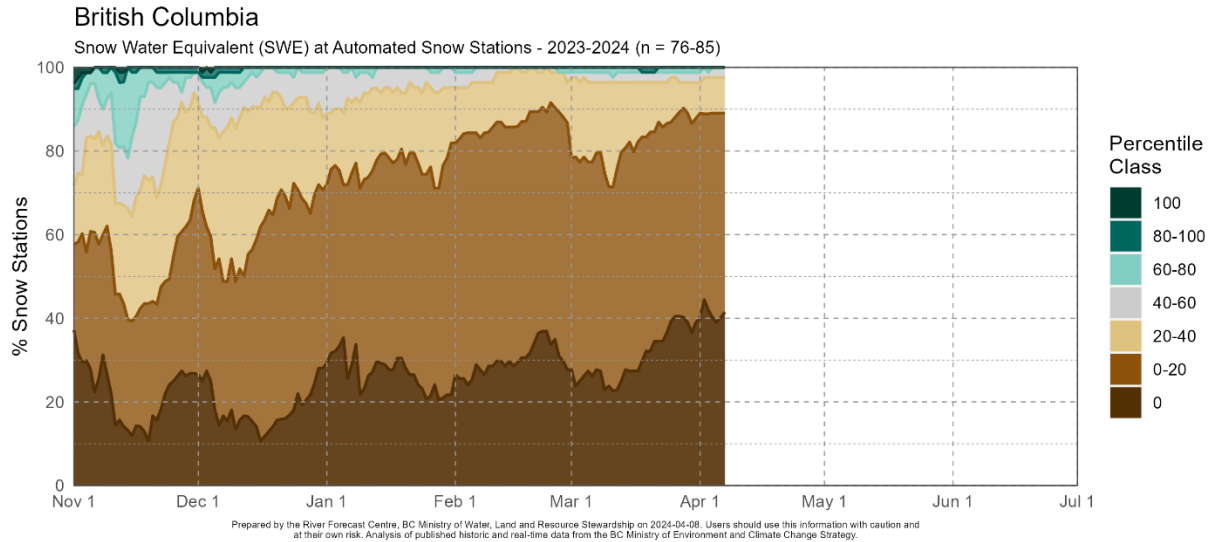
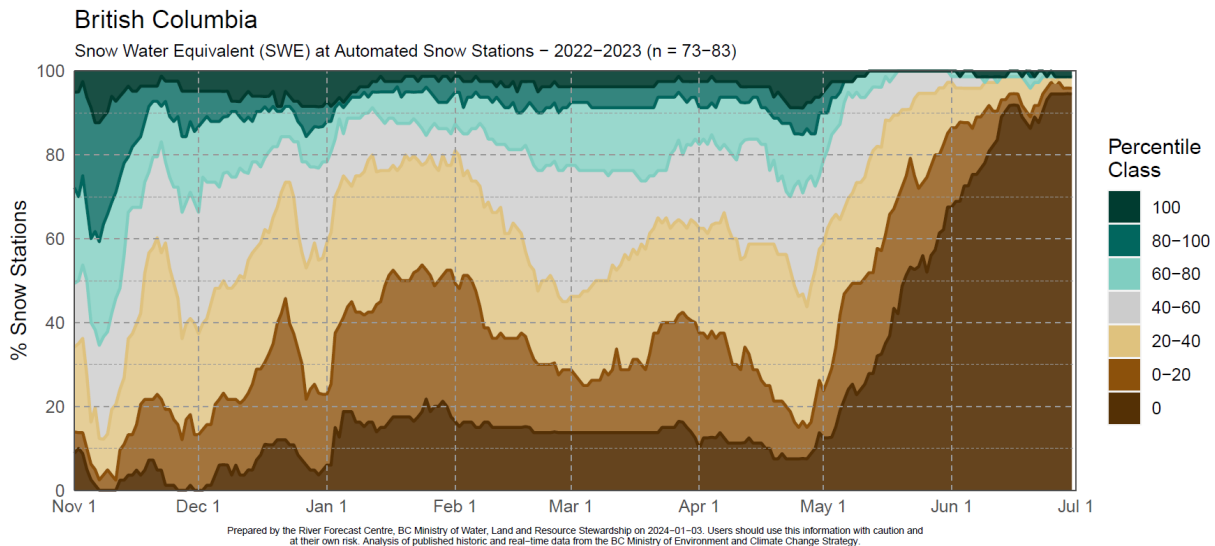


Figure 4. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2022-2023)



Seasonal Weather Outlook

The Climate Prediction Center (CPC) at the U.S. National Weather Service / NOAA maintained an El Niño Advisory on March 14, 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. Each El Niño is unique, and El Niño conditions are not necessarily a strong predictor of snowpack characteristics; however, B.C.'s weather and

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snowpack in winter 2023-2024 have followed patterns that would typically be expected for an El Niño event.

The CPC forecasts a likely transition to ENSO-neutral conditions during April-June 2024 (83% chance). A La Niña Watch remains in effect from the CPC, with increasing odds of La Niña conditions developing in June-August (62% 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 (50-80% chance) of above normal temperatures across all of B.C. over the April to June period, and moderate likelihood (40-90% chance) of above

normal temperatures over the July to September 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 April to June suggest a slight likelihood (40-50%) of below normal precipitation across Vancouver Island and above normal precipitation in portions of the southern Interior.

With an increased likelihood of warmer spring temperatures, an earlier and more accelerated spring melt is the most likely scenario this spring, consistent with ECCC's seasonal SWE forecast which indicates a high probability (90-100%) of below normal SWE for April to June across nearly all of B.C.

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 Fraser River at McBride, Thompson River, North Thompson and Nicola River. Below normal (60-80%) flows are forecast for the McGregor River, Fraser River at Shelley, Quesnel River, Bulkley River, Skeena River, Nicola Lake, Okanagan Lake, Similkameen River and Cowichan Lake. Very low volume forecasts (40-60% of normal) were issued for Kalamalka-

Wood Lake. See the table further below in the report.

Low seasonal forecasts using the newer volume forecast model for Nicola, Okanagan and Kalamalka-Wood are driven by low antecedent flow, dry seasonal weather, below normal snowpack, and seasonal weather forecasts. Evaporation and transpiration losses over summer lead to projections of net loss over periods of the summer.



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Flood and Drought Outlook

Annual snow accumulation in B.C. usually reaches maximum levels in mid-April; therefore, the April 1st survey usually provides the best snapshot of the overall annual snowpack that will provide river runoff for the freshet season. Currently, snowpack levels are well below normal across most of the province, with near-normal or normal levels in only a couple 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 and Stikine regions. With below normal snowpack in all other regions, reduced flood risk is expected. On the Fraser River, the overall basin index is 61% of normal; a peak flow of $6,200 \text{ m}^3/\text{s} \pm 2,900 \text{ m}^3/\text{s}$ 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 events, 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, it is important to note that precipitation poses a real flood risk through the spring even with limited snowpack.

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 (63% 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. In other areas, low snowpack and increased likelihood of early and accelerated snowmelt may contribute to an early shift in the timing of the streamflow runoff, with the influence of snowmelt runoff diminishing earlier than normal. It is anticipated that many regions may experience daily streamflow rates that are outside of the historical range of flows (by date), with shifts earlier in the season than usual. Early melt is already being observed in the low-to-mid-elevation snowpack, with streamflow in many areas being above normal for early-April due to the early shift in snowmelt. The degree to which an early snowmelt might impact streamflow in B.C. should be better understood over the coming month, and with snow measurements for the May 1st snow 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

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precipitation trends may have equal or greater importance in governing the emergence of drought this summer.

Summary

By early April, approximately 95% of the annual B.C. snowpack typically accumulates. As of April 1st, snowpack throughout the province ranges from 0 to 105% of normal across regions, with a provincial average of 63% of normal (37% below normal). During the first week of April, light to moderate snow has accumulated at ASWS and the short-term weather forecasts indicate continued seasonal snow accumulation for the upcoming seven days. There are concerns for drought extending into the spring and summer with

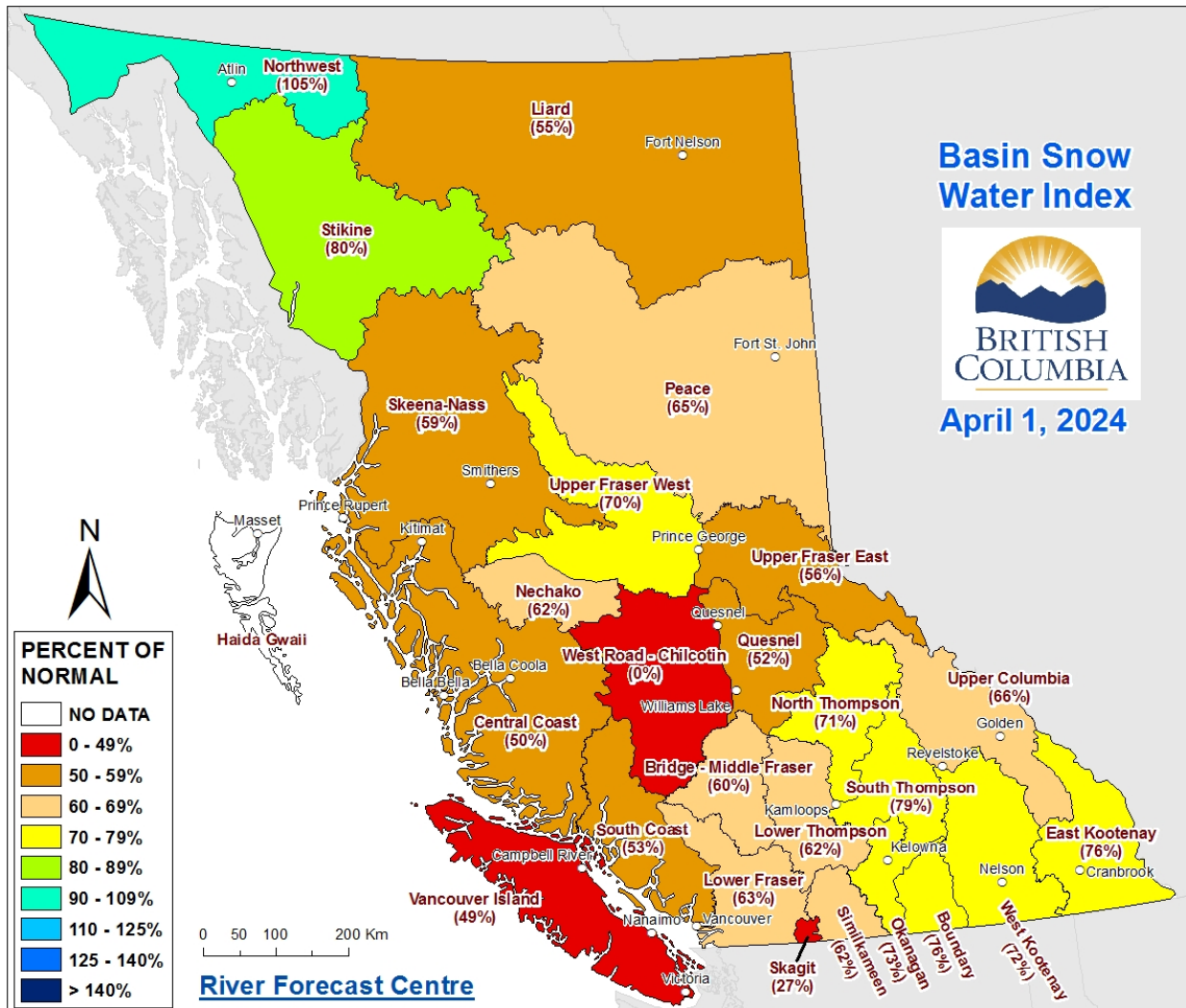
the low snowpack throughout the province. With approximately two to four weeks left for possible snow accumulation, snowpack levels and the seasonal flood and drought outlook are unlikely to change substantially. Due to an increased chance of warmer seasonal temperatures, the below-normal snowpack could result in one of the earliest snowmelt seasons on record. This will play an important role in streamflow later in the spring and summer, with early snowmelt diminishing contributions to river runoff.

The River Forecast Centre continues to monitor snowpack conditions and will provide an updated seasonal risk forecast in the May 1st, 2024 bulletin scheduled for release on May 9th.

River Forecast Centre
April 10, 2024

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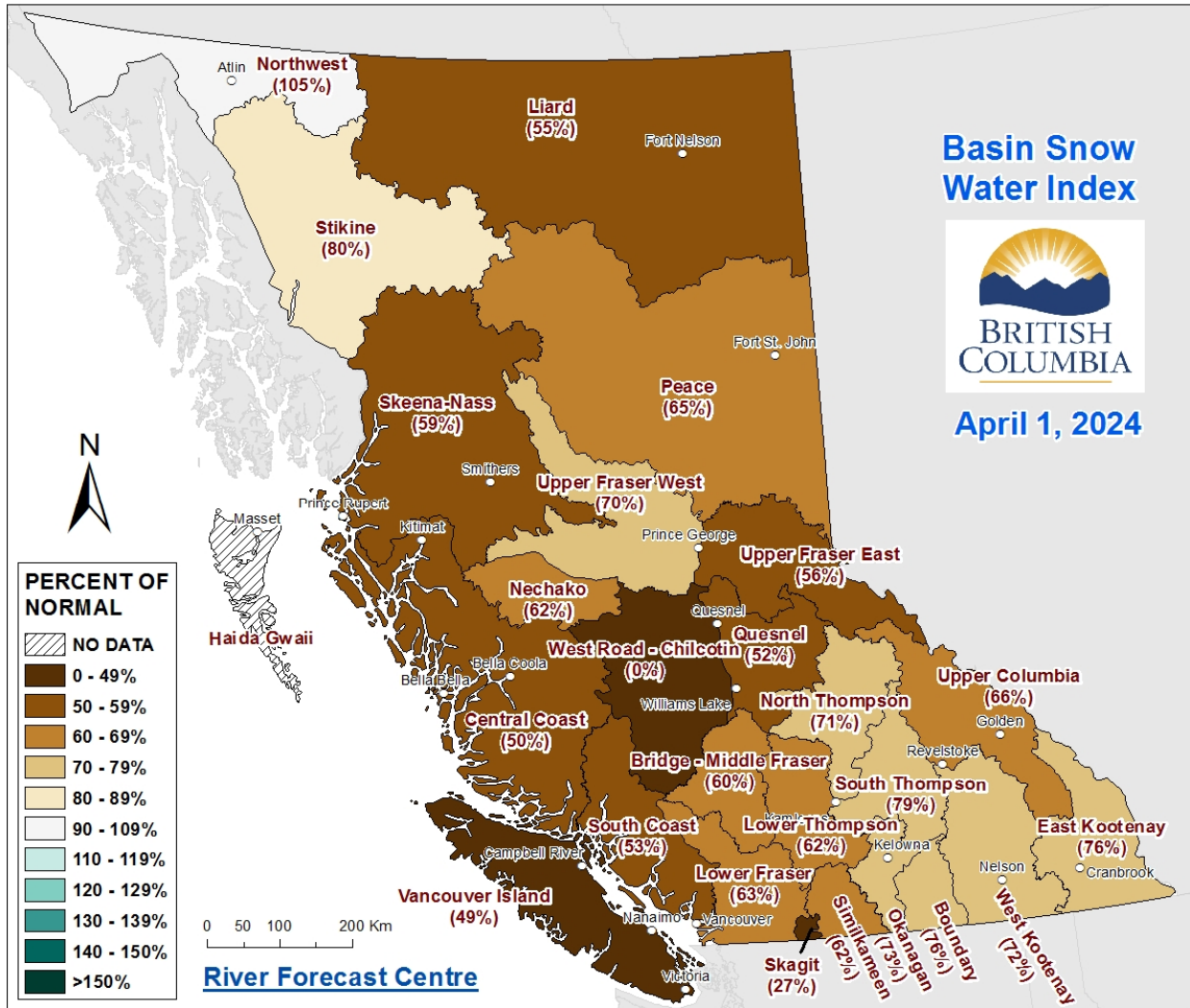
Figure 5: Basin Snow Water Index – April 1st, 2024



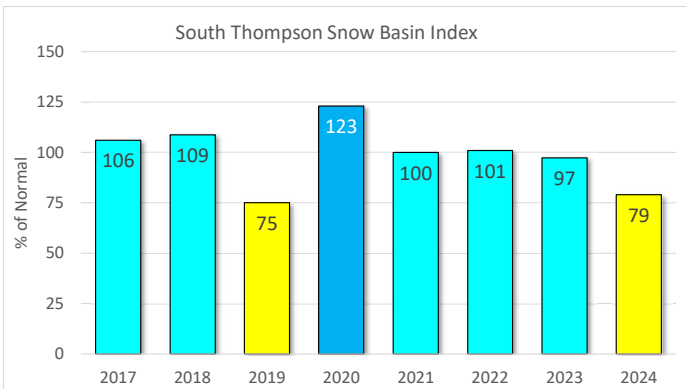
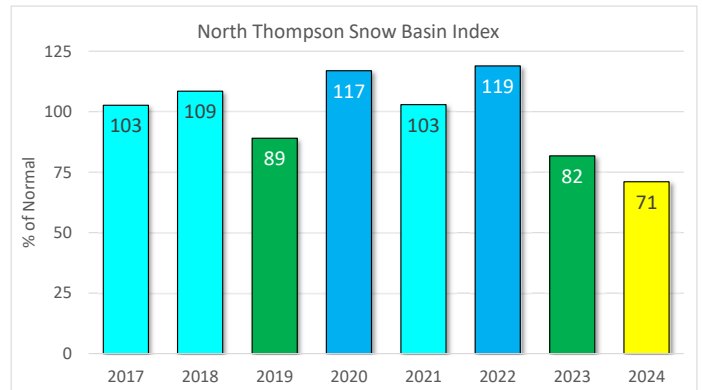
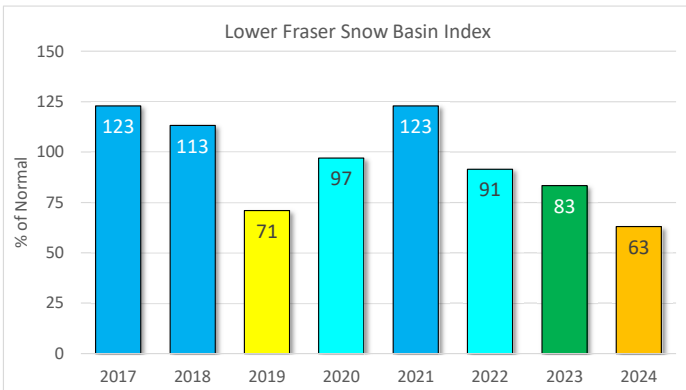
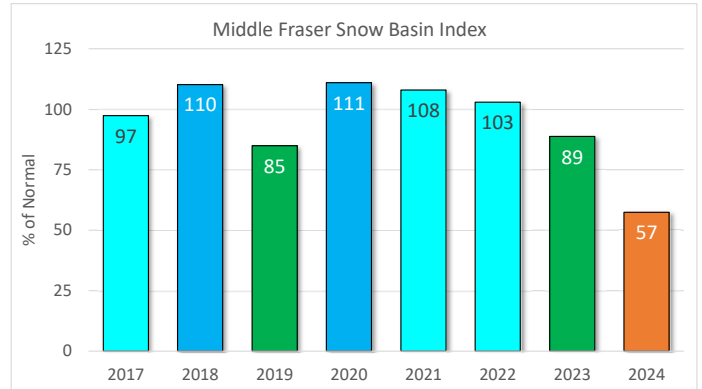
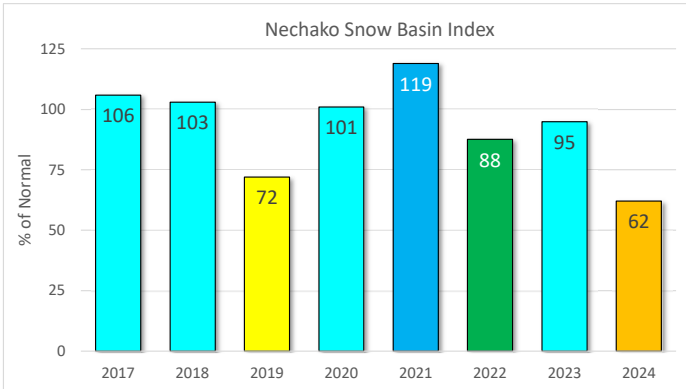
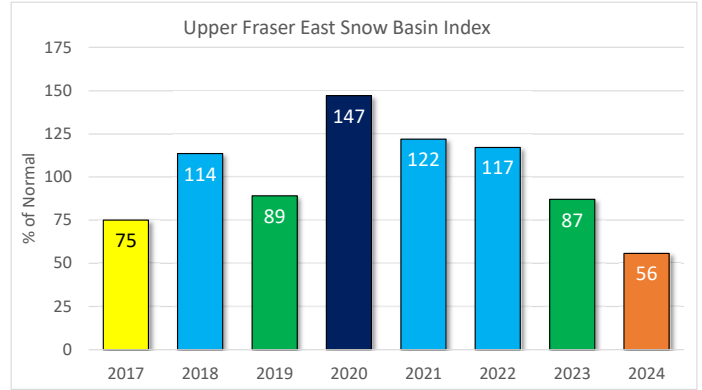
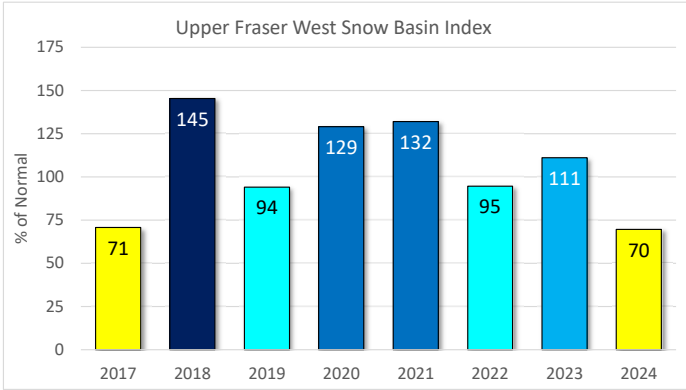
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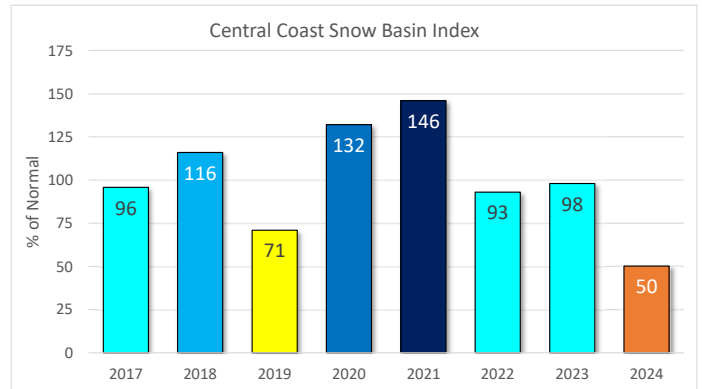
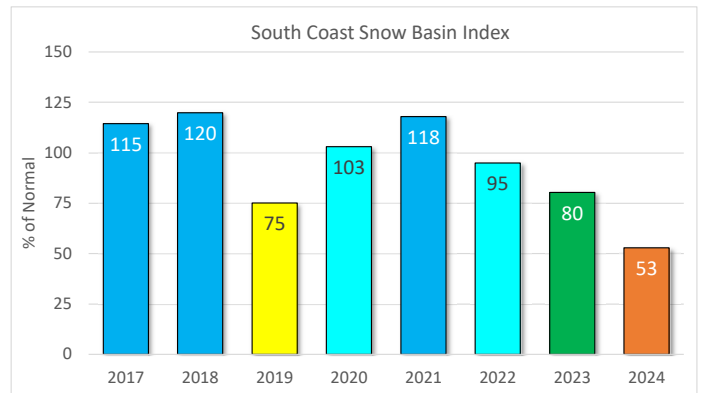
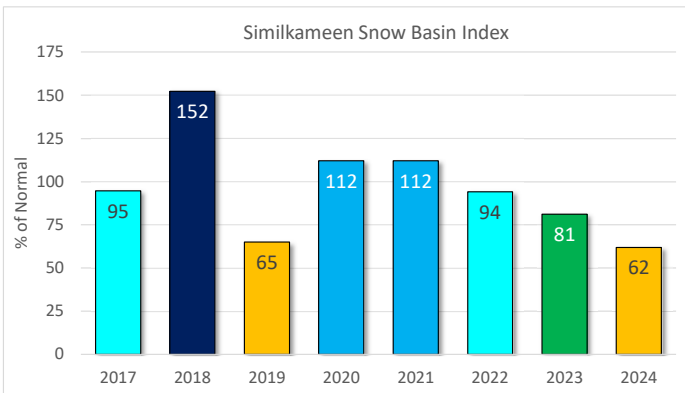
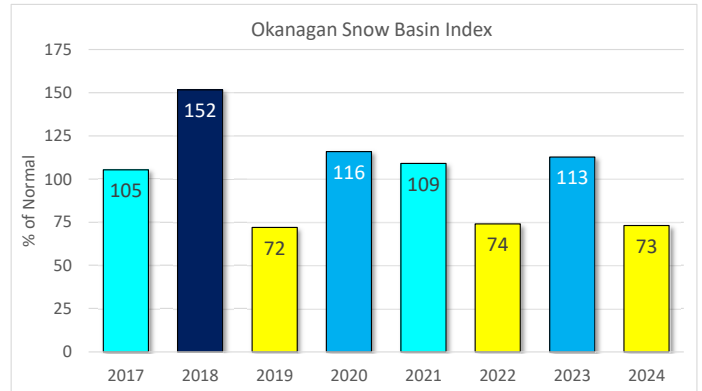
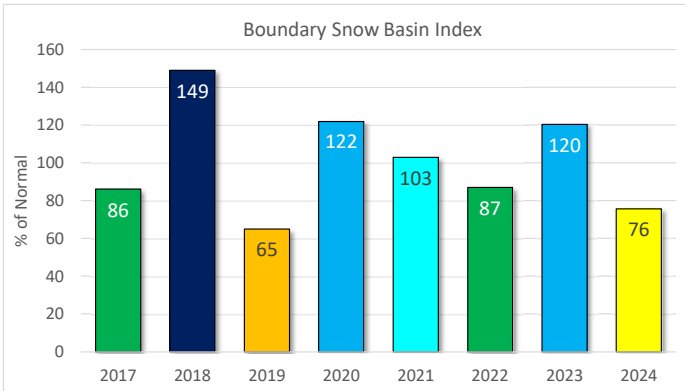
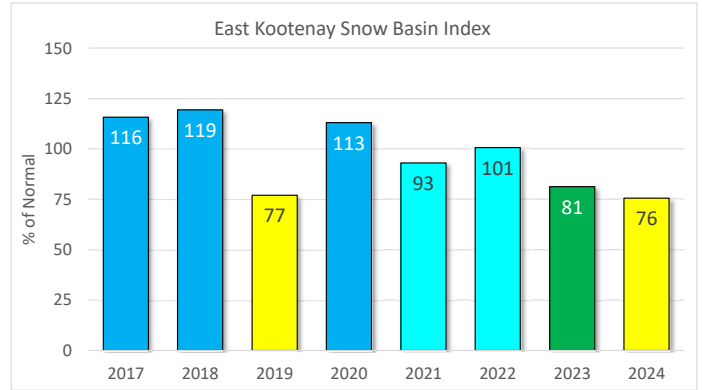
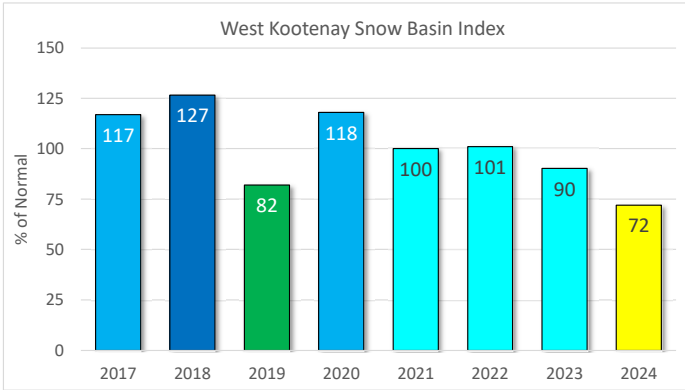
Figure 6: Basin Snow Water Index – April 1st, 2024 – Colour Friendly



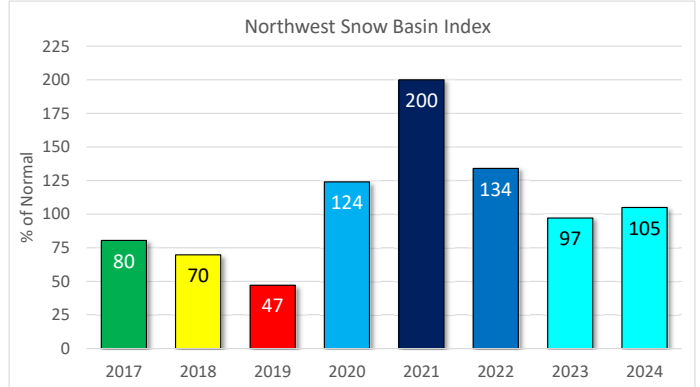
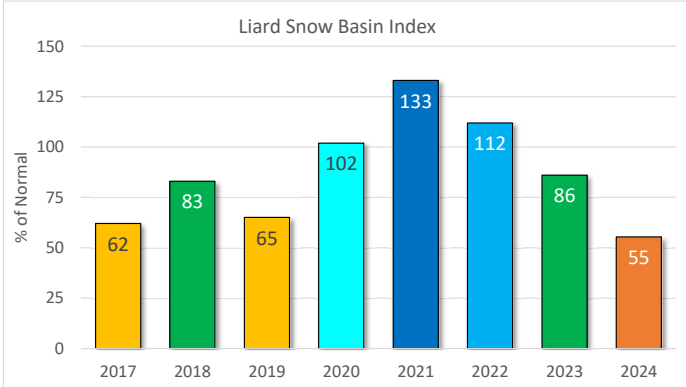
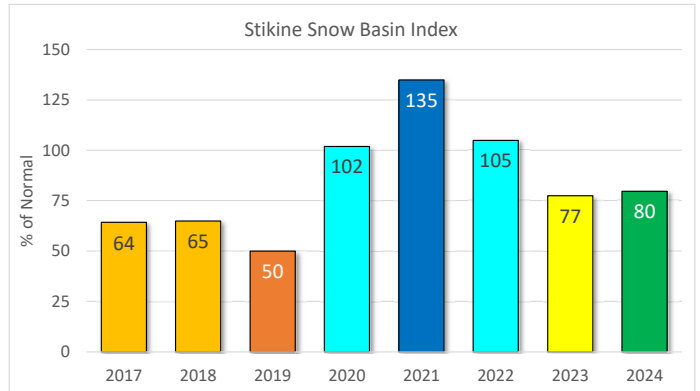
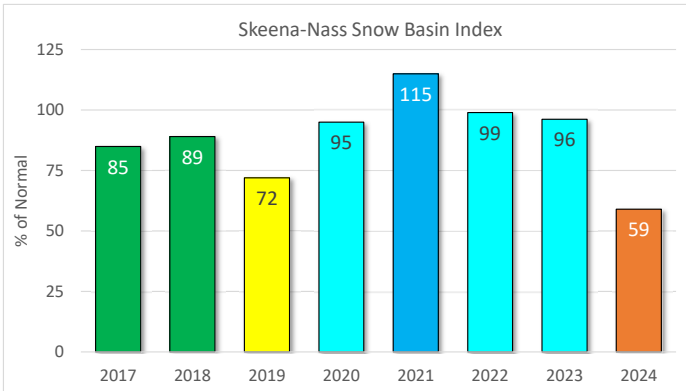
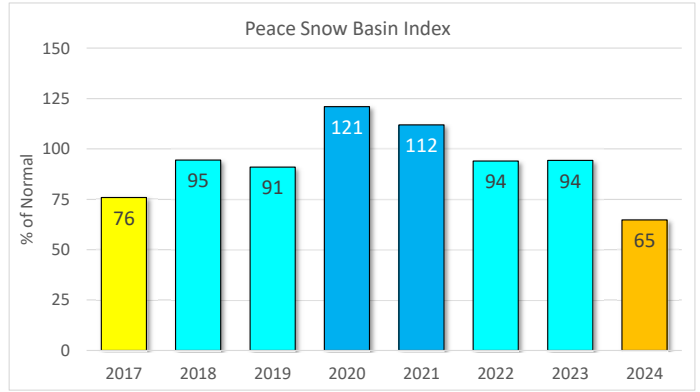
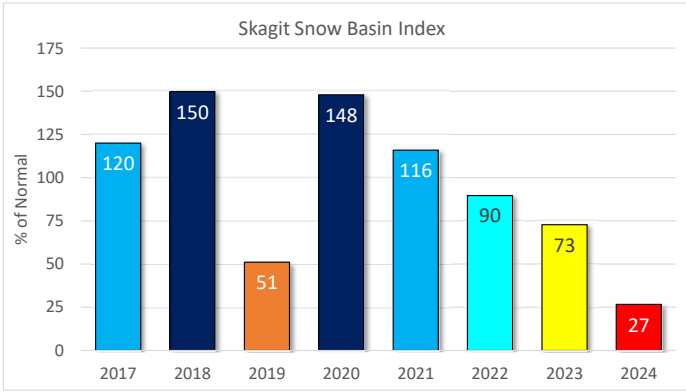
1. Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision upon review.



Snow Basin Index Graphs - April 1, 2024



Snow Basin Index Graphs - April 1, 2024



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

Location		Apr - Jun Runoff				Apr - Jul Runoff				Apr - Sep Runoff			
		Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)	Forecast (kdam ³)	Normal (1981-2010) (kdam ³)	% of Normal	Std. Error (kdam ³)
Upper Fraser Basin	Fraser at McBride					3,089	3,699	84%	307	4,438	5,166	86%	381
	McGregor at Lower Canyon					3,072	3,964	77%	428	4,076	5,010	81%	564
	Fraser at Shelley					11,318	15,670	72%	1,179	15,094	19,730	77%	1,562
Middle Fraser Basin	Quesnel River at Quesnel					3,414	4,541	75%	418	4,483	5,872	76%	568
Thompson Basin	N. Thompson at McLure					7,021	8,916	79%	481	8,830	11,085	80%	753
	S. Thompson at Chase					5,286	5,792	91%	448	6,726	7,359	91%	686
	Thompson at Spences Bridge					13,252	15,114	88%	973	16,827	19,094	88%	1,560
Bulkley and Skeena	Bulkley at Quick					1,598	2,625	61%	236	2,093	3,222	65%	272
	Skeena at Usk					13,985	18,673	75%	1,173	17,850	23,017	78%	1,698
Nicola Lake		98	121	82%	30	112	138	82%	35				
*new model ¹		83	130	64%	24	85	152	56%	28	87	153	57%	31
Nicola River at Spences Bridge		390	486	80%	82	435	554	79%	101				
*new model ²		419	509	82%	77	489	557	88%	81	522	596	88%	87
Okanagan Lake		268	440	61%	88	266	465	57%	108				
*new model ²		212	468	45%	86	228	494	46%	99	179	478	37%	110
Kalamalka-Wood Lake		16.0	28.0	57%	11.3	11.9	29.4	40%	13.2				
*new model ³		2.0	25.7	8%	6.8	-2.0	24.3	-8%	7.9	-6.2	21.0	-30%	9.3
Similkameen River	at Nighthawk	892	1,273	70%	128					1,055	1,583	67%	156
	at Hedley	693	989	70%	96					782	1,177	66%	96
Cowichan River	Cowichan Lake Inflows	186	248	75%	65					220	290	76%	84

¹ 1984-2019 Period of Record

² 1970-2019 Period of Record

³ 1975-2019 Period of Record

Note: 1 kdam³=1,000,000 m³

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

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

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

Use at your own risk

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

UPPER FRASER EAST			April 1, 2024 Data				Apr 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	2024-04-01	119	346	29		64%	0	363	620	345	544	799	542	25
1A02P	McBride Upper	1611	2024-04-01					N/A	N/A	405	619	297	476	694	492	31
1A03P	Barkerville	1520	2024-04-01	79	236	30		68%	1	323	398	229	353	524	345	45
1A05P	Longworth Upper	1740	2024-04-01	139	653	47		N/A	N/A	1026	1130	524	926	1188	N/A	7
1A06A	HANSARD	608	N	N	N	N	N	N/A	N/A	N	122	72	192	442	N/A	22
1A10	PRINCE GEORGE A	689	2024-04-01	0	0		T	0%	N/A	176	20	0	116	313	97	61
1A11	PACIFIC LAKE	755	2024-03-29	94	328	35	NS	52%	3	617	740	290	617	1060	636	61
1A14P	Hedrick Lake	1100	2024-04-01	154	410	27		50%	0	697	966	406	810	1287	812	24
1A15P	Knudsen Lake	1601	2024-04-01	111	491	44		N/A	N/A	875	1207	442	696	1207	N/A	8
1A17P	Revolution Creek	1690	2024-04-01	182	401	22		49%	0	726	1161	449	818	1293	824	35
1A19P	Dome Mountain	1774	2024-04-01	150	513	34		69%	6	601	833	243	760	1069	744	18
			Average	114	375	33		50%	2							

*Record Low

Basin Index Calculation	Average SWE	319
	Average Normal	572
Upper Fraser East Basin Index - April 1, 2024		56%

Stations used in Basin Index:
1A01P, 1A03P, 1A10, 1A11, 1A14P, 1A17P, 1A19P

UPPER FRASER WEST			April 1, 2024 Data				Apr 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	2024-04-01	86	226	26		N/A	N/A	318		269	318	412	N/A	7
1A16	BURNS LAKE	800	2024-04-04	16	68	43		56%	14	128	80	0	119	264	122	51
1A23	BIRD CREEK	1180	2024-04-01	48	126	26		80%	31	182	162	84	158	320	157	34
			Average	50	140	32		68%	23							

Basin Index Calculation	Average SWE	97
	Average Normal	139
Upper Fraser West Basin Index - April 1, 2024		70%

Stations used in Basin Index:
1A16, 1A23

NECHAKO			April 1, 2024 Data				Apr 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	2024-04-01	101	290	29		58%	1	483	490	273	490	960	503	69
1B01P	Mount Wells	1490	2024-04-01		379			67%	5	551	610	347	551	872	566	31
1B02	TAHTSA LAKE	1300	2024-04-01	195	698	36		58%	0		932	775	1122	1972	1203	70
1B02P	Tahtsa Lake	1300	2024-04-01		864			68%	0	1155	1109	860	1200	2234	1269	30
1B05	SKINS LAKE	890	2024-04-01	11	27	25		30%	13	90	0	0	100	233	89	60
1B06	MOUNT SWANNELL	1620	2024-04-01	53	136	26		46%	0	310	256	148	273	490	298	35
1B07	NUTLI LAKE	1490	2024-04-01	96	281	29		54%	0	509	471	301	506	834	518	33
1B08P	Mt. Pondosy	1400	2024-04-01		580			72%	15	730	719	504	742	1145	800	28
			Average	91	407	29		57%	4							

*Record Low

*Record Low

*Record Low

Basin Index Calculation	Average SWE	407
	Average Normal	656
Nechako Basin Index - April 1, 2024		62%

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

LOWER THOMPSON			April 1, 2024 Data					Apr 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
1C01	BROOKMERE	994	N	N	N	N	N	N/A	N/A	160	107	45	193	399	162	79
1C06	PAVILION	1230	2024-04-02	0	0			0%	N/A	78	4	0	38	147	25	63
1C09A	HIGHLAND VALLEY	1510	N	N	N	N	N	N/A	N/A	179	84	3	90	249	100	55
1C25	LAC LE JEUNE (UPPER)	1509	2024-03-28	33	94	28		69%	23	243	83	0	130	264	137	51
1C29	SHOVELNOSE MOUNTAIN	1450	2024-03-30	35	100	29		46%	4	188	136	16	237	442	220	45
1C29P	Shovelnose Mountain	1460	2024-04-01	39	125	32		N/A	N/A	226	152	152	226	258	N/A	5
1C32P	Deadman River	1460	2024-04-01	14	15	11		N/A	N/A	253		253		253	N/A	1
1C42	CAVERHILL LAKE NEW	1400	2024-03-31	61	190	31		79%	20	311	310	160	267	340	240	19
1C44P	Paradise Lake	1640	2024-04-01	28	70	25		N/A	N/A						N/A	0
1C45P	July Mountain	1860	2024-04-01	132	762	58		N/A	N/A						N/A	0
			Average	43	170	31		48%	16							

Basin Index Calculation	Average SWE	96
	Average Normal	155
Lower Thompson Basin Index - April 1, 2024		62%

Stations used in Basin Index:
1C06, 1C25, 1C29, 1C42

BRIDGE / LILLOOET			April 1, 2024 Data					Apr 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
1C05P	McGillivray Pass	1718	2024-04-01		242			N/A	N/A	398	559	398	514	619	N/A	6
1C05	MCGILLIVRAY PASS	1725	2024-03-31	92	308	33	NS	54%	0	NS	NS	322	568	1118	570	67
1C12P	Green Mountain	1780	2024-04-01		532			62%	6	498	775	466	811	1408	852	30
1C14	BRALORNE	1389	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	163	389	156	57
1C14P	Bralorne	1382	2024-04-01	42	109	26		N/A	N/A	143	146	143	177	270	N/A	6
1C18P	Mission Ridge	1850	2024-04-01		327			60%	4	422	622	158	528	1012	547	47
1C28	DUFFEY LAKE	1200	2024-04-02	75	285	38		57%	6	384	471	212	484	866	503	45
1C37	BRALORNE (UPPER)	1981	2024-03-31	118	378	32	NS	58%	2	NS	NS	328	678	1010	653	21
1C38	DOWNTON LAKE UPPPER	1884	NS	NS	NS	NS	NS	N/A	N/A	546	N	422	813	1416	857	22
1C38P	Downton Lake Upper	1829	2024-04-01		685			N/A	N/A	593	965	593	747	965	N/A	8
1C39	BRIDGE GLACIER (LOWER)	1390	2024-03-31	127	406	32		68%	15	414	525	240	581	1086	594	26
1C40P	North Tyaughton	1969	2024-04-01		227			N/A	N/A	350	455	296	378	484	N/A	8
1C43P	Bridge Glacier Proglacial Lake	1505	2024-04-01	186	655	35		N/A	N/A	731		731		731	N/A	1
			Average	107	378	33		60%	5							

*Record Low

Basin Index Calculation	Average SWE	373
	Average Normal	620
Bridge/Lillooet Basin Index - April 1, 2024		60%

Stations used in Basin Index:
1C05, 1C12P, 1C18P, 1C28, 1C37, 1C39

CHILCOTIN			April 1, 2024 Data					Apr 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
1C21	BIG CREEK	1140	2024-03-30	0	0			0%	N/A	41	0	0	0	119	18	53
1C22	PUNTZI MOUNTAIN	940	2024-03-30	0	0			0%	N/A	60	30	0	9	120	24	54
			Average	0	0	N/A		0%	N/A							

Basin Index Calculation	Average SWE	0
	Average Normal	21
Chilcotin Basin Index - April 1, 2024		0%

Stations used in Basin Index:
1C21, 1C22

QUESNEL			April 1, 2024 Data				Apr 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	2024-03-29	38	104	27		33%	0	390	338	186	310	533	311	61
1C17P	Mount Timothy	1630	2024-04-01	54	163	30		N/A	N/A						N/A	0
1C20P	Boss Mountain Mine	1460	2024-04-01	111	335	30		58%	0	540	659	326	585	866	582	30
1C23	PENFOLD CREEK	1685	N	N	N	N	N	N/A	N/A	N	1121	641	1004	1285	973	43
1C23P	Penfold Creek	1740	2024-04-01	165	679	41		N/A	N/A	873		873		873	N/A	1
1C33A	GRANITE MOUNTAIN	1150	2024-03-26	22	69	31		35%	0	292	224	93	200	292	196	18
1C41P	Yanks Peak East	1670	2024-04-01	133	498	37		59%	0	768	1028	525	885	1215	841	27
			Average	87	308	33		46%	0							

Basin Index Calculation	Average SWE	252
	Average Normal	483
Quesnel Basin Index - April 1, 2024		52%

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

MIDDLE FRASER		
Basin Index Calculation	Average SWE	227
	Average Normal	394
Middle River Basin Index - April 1, 2024		57%

Stations used in Basin Index:
1C05, 1C06, 1C12P, 1C17, 1C18P, 1C20P, 1C21, 1C22, 1C25, 1C28, 1C29, 1C33A, 1C37, 1C39, 1C41P, 1C42

LOWER FRASER			April 1, 2024 Data				Apr 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	2024-04-01	189	710	38		68%	4	816	1144	675	1031	1586	1037	23
1D08	STAVE LAKE	1250	2024-04-01	214	886	41	NS	62%	7	1008	1183	98	1529	2750	1422	53
1D08P	Lamont Creek Upper	1217	2024-04-01	214	906	42		N/A	N/A	1118	1243	1118	1243	1886	N/A	3
1D09P	Wahleach Lake Upper	1480	2024-04-01		656			69%	12	802	824	267	890	1642	954	31
1D10	NAHATLATCH RIVER	1550	N	N	N	N	N	N/A	N/A	1026	N	468	1362	2410	1278	52
1D16	DICKSON LAKE	1160	2024-04-01	178	782	44		53%	11	1426	1210	56	1548	2990	1475	29
1D16P	Dickson Lake	1155	2024-04-01	190	903	48		N/A	N/A						N/A	0
1D17P	Chilliwack River	1600	2024-04-01	185	1068	58		71%	9	1511	1534	666	1532	2418	1515	30
1D18	Disappointment Lake	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	428	1776	2280	1635	19
1D19P	Spuzzum	1180	2024-04-01	187	869	46		56%	7	1102	1217	166	1550	2752	1542	25
			Average	194	848	45		63%	8							

Basin Index Calculation	Average SWE	829
	Average Normal	1324
Lower Fraser Basin Index - April 1, 2024		63%

Stations used in Basin Index:
1D06P, 1D08, 1D09P, 1D16, 1D17P, 1D19P

NORTH THOMPSON			April 1, 2024 Data				Apr 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	2024-04-02	49	194	40		67%	16	275	336	154	282	425	291	41
1E02P	Mount Cook	1550	2024-04-01	228	911	40		71%	0	1037	1468	1001	1207	1834	1275	20
1E03A	TROPHY MOUNTAIN	1860	2024-04-02	124	418	34		75%	8	472	694	332	552	888	555	49
1E03AP	TROPHY MOUNTAIN	1880	2024-04-01	137	459	34		N/A	N/A						N/A	0
1E07	ADAMS RIVER	1720	N	N	N	N	N	N/A	N/A	612	728	435	696	1069	702	54
1E08P	Azure River	1652	2024-04-01	187	774	41		68%	2	856	1341	716	1180	1538	1140	27
1E10P	Kostal Lake	1770	2024-04-01					N/A	N/A	665	936	618	857	1169	844	38
1E14P	Cook Creek	1280	2024-04-01	85	423	50		71%	1	502	910	409	608	910	593	15
			Average	135	530	40		71%	5							

Basin Index Calculation	Average SWE	544
	Average Normal	771
North Thompson Basin Index - April 1, 2024		71%

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

SOUTH THOMPSON			April 1, 2024 Data					Apr 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
1F01A	ABERDEEN LAKE	1310	N	N	N	N	N	N/A	N/A	185	84	6	142	259	135	82
1F02	ANGLEMONT	1190	2024-04-03	63	258	41		79%	18	387	320	142	338	561	326	65
1F03P	Park Mountain	1890	2024-04-01	166	700	42		81%	7	860	822	560	844	1208	869	39
1F04P	Enderby	1950	2024-04-01	233	1010	43		N/A	N/A	1032	1005	786	1032	1185	N/A	7
1F06P	Celista Mountain	1500	2024-04-01	186	700	38		78%	0	737	1015	724	888	1132	898	18
			Average	162	667	41		79%	8							

Basin Index Calculation	Average SWE	553
	Average Normal	698
South Thompson Basin Index - April 1, 2024		79%

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

FRASER RIVER

Basin Index Calculation	Average SWE	402
	Average Normal	632
Fraser River Basin Index - April 1, 2024		64%

Stations used in Basin Index:
1A01P, 1A03P, 1A10, 1A11, 1A14P, 1A16, 1A17P, 1A19P, 1A23, 1B01, 1B01P, 1B02, 1B02P, 1B05, 1B06, 1B07, 1B08P, 1C05, 1C06, 1C12P, 1C17, 1C18P, 1C20P, 1C21, 1C22, 1C25, 1C28, 1C29, 1C33A, 1C37, 1C39, 1C41P, 1C42, 1D06P, 1D08, 1D09P, 1D16, 1D17P, 1D19P, 1E01B, 1E02P, 1E03A, 1E08P, 1E14P, 1F02, 1F03P, 1F06P

UPPER COLUMBIA			April 1, 2024 Data					Apr 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
2A02	GLACIER	1250	2024-03-30	133	507	38		74%	11	568	875	371	665	1161	689	87
2A03A	FIELD	1285	2024-03-28	34	118	35		84%	38	110	198	8	135	252	141	84
2A06P	Mount Revelstoke	1850	2024-04-01		756			63%	1	1024	1295	709	1222	1692	1199	29
2A07	KICKING HORSE	1650	2024-03-28	92	271	29		85%	12	225	389	185	340	589	320	75
2A11	BEAVERFOOT	1890	2024-03-31	59	172	29		84%	28	150	238	105	213	460	204	64
2A14	MOUNT ABBOT	2010	2024-03-28	242	912	38		74%	3	1056	1612	698	1173	1849	1224	65
2A16	GOLDSTREAM	1920	2024-03-26	182	664	36		57%	0	854	1425	785	1119	1638	1162	59
2A17	FIDELITY MOUNTAIN	1870	2024-03-29	233	790	34		63%	2	956	1670	730	1204	1951	1257	61
2A18P	Keystone Creek	1840	2024-04-01		611			N/A	N/A	667	981	667	974	1068	N/A	8
2A19	VERMONT CREEK	1520	2024-03-31	93	285	31	A	68%	11	332	437	190	429	843	419	58
2A21P	Molson Creek	1935	2024-04-01	188	632	34		61%	0	808	1084	651	998	1553	1031	41
2A23	Bush River	1920	2024-03-26	160	516	32	NS	63%	2	616	968	455	816	1331	818	55
2A25	KIRBYVILLE LAKE	1750	2024-03-26	212	825	39		68%	2	1068	1282	701	1169	1816	1208	51
2A27	DOWNIE SLIDE (LOWER)	980	2024-03-26	131	460	35		66%	4	616	726	448	646	1062	697	45
2A29	DOWNIE SLIDE (UPPER)	1630	2024-03-26	219	850	39		62%	0	1086	1466	858	1321	2360	1378	46
2A30P	Colpitti Creek	2131	2024-04-01	168	611	36		N/A	16	553	1028	552	782	1028	N/A	14
2A31P	Caribou Creek Upper	2201	2024-04-01		663			N/A	N/A	662	1099	662	1031	1122	N/A	8
2A32P	Wildcat Creek	2122	2024-04-01		451			N/A	N/A	431	831	431	641	831	N/A	8
2A34P	Glacier NP Rogers Pass Lower	1182	2024-04-01	87	399	46		N/A	N/A	515	890	515		890	N/A	2
2A35P	Fred Laing Lower	577	2024-04-01	36	230	64		N/A	N/A	481		481		481	N/A	1
			Average	142	536	37		69%	9							

Basin Index Calculation	Average SWE	554
	Average Normal	839
Upper Columbia Basin Index - April 1, 2024		66%

Stations used in Basin Index:
2A02, 2A03A, 2A06P, 2A07, 2A11, 2A14, 2A16, 2A17, 2A19, 2A21P, 2A23, 2A25, 2A27, 2A29

WEST KOOTENAY			April 1, 2024 Data				Apr 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	2024-03-28	88	289	33		96%	45	336	233	127	307	480	302	51
2B05	WHATSHAN (UPPER)	1525	2024-03-30	120	373	31		58%	1	583	561	350	632	964	644	65
2B06P	Barnes Creek	1620	2024-04-01		372			67%	2	543	546	326	559	774	554	31
2B07	KOCH CREEK	1860	2024-03-30	183	562	31		74%	12	775	596	397	749	1156	754	62
2B08P	St. Leon Creek	1800	2024-04-01		805			73%	6	909	1392	585	1156	1557	1106	30
2B09	RECORD MOUNTAIN	1890	2024-03-27	155	530	34		75%	18	696	474	315	689	1307	707	48
2D02	FERGUSON	929	N	N	N	N	N	N/A	N/A	540	670	142	565	881	574	86
2D03	SANDON	1070	2024-04-01	44	197	45		61%	7	306	248	71	325	585	321	77
2D04	NELSON	930	2024-03-27	37	130	35		41%	1	252	262	5	354	622	315	86
2D05	GRAY CREEK (LOWER)	1550	NS	NS	NS	NS	NS	N/A	N/A	459	451	276	459	688	459	74
2D06	CHAR CREEK	1310	2024-03-30	121	426	35		81%	17	429	464	241	520	940	524	57
2D07A	DUNCAN LAKE NO. 2	630	2024-04-01	0	0			0%	N/A	111	N	0	111	223	92	27
2D07AP	Duncan Lake Dam 2	559	2024-04-01	0	0			N/A	N/A	0	4	0	5	52	N/A	4
2D08P	East Creek	2030	2024-04-01		714			81%	18	671	1178	450	854	1252	880	43
2D09	MOUNT TEMPLEMAN	1860	2024-03-30	200	667	33		62%	0	817	1155	688	1023	1608	1079	44
2D10	GRAY CREEK (UPPER)	1940	NS	NS	NS	NS	NS	N/A	N/A	715	745	492	726	1123	749	51
2D10P	GRAY CREEK (UPPER)	1930	2024-04-01	155	554	36		N/A	N/A	709	736	709	716	736	N/A	3
2D14P	Redfish Creek	2104	2024-04-01	244	1137	47		86%	22	1232	1467	807	1379	1756	1328	22
2D17	Lost Ledge	2050	N	N	N	N	N	N/A	N/A	890	1065	890		1065		2
2D18	Purcell	2060	2024-03-25	169	602	36		N/A	N/A	724	1097	724		1097		2
			Average	117	460	36		66%	12							

*Record Low

Basin Index Calculation	Average SWE	477
	Average Normal	662
West Kootenay Basin Index - April 1, 2024		72%

Stations used in Basin Index:
2B02A, 2B05, 2B06P, 2B07, 2B08P, 2B09, 2D03, 2D04, 2D06, 2D07A, 2D08P, 2D09, 2D14P

EAST KOOTENAY			April 1, 2024 Data				Apr 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	2024-03-27	38	112	29		100%	50	99	107	36	112	262	113	87
2C04	SULLIVAN MINE	1550	2024-04-01	79	254	32		91%	27	318	266	134	316	538	278	78
2C09Q	Morrissey Ridge	1860	2024-04-01		455			65%	9	442	556	363	683	1224	700	39
2C10P	Moyie Mountain	1930	2024-04-01	68	272	40		61%	6	386	346	216	398	686	447	43
2C11	KIMBERLY UPPER	2140	N	N	N	N	N	N/A	N/A	407	445	197	423	798	423	47
2C12	KIMBERLY MIDDLE	1680	N	N	N	N	N	N/A	N/A	261	249	116	246	462	247	47
2C14P	Floe Lake	2090	2024-04-01	164	562	34		79%	13	520	889	360	753	1009	713	29
2C15	MOUNT ASSINIBOINE	2230	2024-03-31	145	390	27	A	73%	8	374	624	252	512	816	534	53
2C17	THUNDER CREEK	2010	2024-03-31	108	274	25	A	96%	51	N	N	140	268	475	285	51
			Average	100	331	31		81%	23							

Basin Index Calculation	Average SWE	331
	Average Normal	439
East Kootenay Basin Index - April 1, 2024		76%

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

BOUNDARY			April 1, 2024 Data				Apr 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	2024-03-30	74	240	32		72%	8	341	311	188	337	517	334	74
2E02	CARMI	1250	2024-04-04	0	0		T	0%	N/A	146	55	0	120	290	107	60
2E03	BIG WHITE MOUNTAIN	1680	2024-03-26	114	396	35		83%	14	537	414	319	464	762	480	58
2E07P	Grano Creek	1860	2024-04-01	129	448	35		87%	27	703	463	248	524	773	514	26

Average	79	271	34	60%	16
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Basin Index Calculation	Average SWE	271
	Average Normal	359
Boundary Basin Index - April 1, 2024		76%

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

OKANAGAN			April 1, 2024 Data					Apr 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)	
2F01A	TROUT CREEK (West)	1430	2024-03-24	36	120	33	B	55%	0	247	162	124	211	336	219	14
2F01AP	Trout Creek West	1420	2024-04-01	42	138	33		N/A	N/A	278	244	157	264	284	N/A	6
2F02	SUMMERLAND RESERVOIR	1280	2024-03-26	47	160	34		74%	17	298	182	96	224	389	217	87
2F03	MCCULLOCH	1280	2024-04-02	19	73	38		51%	4	215	138	6	155	265	144	86
2F04	GRAYSTOKE LAKE	1840	2024-03-26	91	240	26		66%	5	400	300	196	354	828	362	49
2F05P	Mission Creek	1780	2024-04-01	128	389	30		77%	21	541	364	270	469	746	503	53
2F07	POSTILL LAKE	1370	2024-03-28	54	164	30		80%	14	220	154	90	212	348	205	73
2F08	GREYBACK RESERVOIR	1550	NS	NS	NS	NS	NS	N/A	N/A	227	N	114	232	360	243	66
2F08P	Greyback Reservoir	1550	2024-04-01	44	148	34		N/A	N/A	230	193	148	230	284	N/A	7
2F09	WHITEROCKS MOUNTAIN	1830	N	N	N	N	N	N/A	N/A	645	419	318	539	1021	533	68
2F09P	Whiterocks Mountain	1800	2024-04-01	100	434	43		N/A	N/A	768		768		768	N/A	1
2F10	Silver Star Mountain	1840	N	N	N	N	N	N/A	N/A	N	590	414	721	1115	733	60
2F10P	Silver Star Mountain	1839	2024-04-01	168	621	37		N/A	N/A	833	725	623	753	844	N/A	7
2F11	ISINTOK LAKE	1680	2024-03-28	50	138	28		88%	31	214	96	66	162	424	157	59
2F12	MOUNT KOBAN	1810	2024-03-30	80	239	30		74%	17	463	252	105	299	602	322	58
2F13	ESPERON CR (UPPER)	1650	N	N	N	N	N	N/A	N/A	424	240	240	386	805	380	54
2F14	ESPERON CR (MIDDLE)	1430	N	N	N	N	N	N/A	N/A	320	156	156	322	607	323	55
2F18P	Brenda Mine	1460	2024-04-01	48	176	37		53%	0	298	228	190	311	504	333	28
2F19	OYAMA LAKE	1340	2024-04-01	50	146	29		89%	34	176	100	61	167	255	165	52
2F19P	OYAMA LAKE	1360	2024-04-01	23	108	47		N/A	N/A	191	110	110	174	191	N/A	3
2F20	VASEUX CREEK	1400	2024-03-29	46	150	33		120%	56	152	128	40	142	239	125	51
2F23	MACDONALD LAKE	1740	N	N	N	N	N	N/A	N/A		302	257	411	677	436	43
2F24	ISLAHT LAKE	1480	2024-03-26	75	234	31		77%	21	416	249	145	297	501	304	41
Average				65	216	34		75%	18							

*Record Low

*Record Low

Basin Index Calculation	Average SWE	186
	Average Normal	255
Okanagan Basin Index - April 1, 2024		73%

Stations used in Basin Index:
2F01A, 2F02, 2F03, 2F04, 2F05P, 2F07, 2F11, 2F12, 2F18P, 2F19, 2F20, 2F24

SIMILKAMEEN			April 1, 2024 Data					Apr 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)	
2G03P	Blackwall Peak	1940	2024-04-01	125	407	33		51%	1	546	749	404	752	1497	801	56
2G04	LOST HORSE MOUNTAIN	1920	2024-03-29	72	178	25		76%	24	261	291	138	227	533	233	60
2G05	MISSEZULA MOUNTAIN	1550	2024-03-29	44	181	41		92%	40	201	169	90	201	516	196	63
2G06	HAMILTON HILL	1490	2024-03-30	54	165	31		60%	7	211	205	83	294	851	273	63
Average				74	233	32		70%	18							

Basin Index Calculation	Average SWE	233
	Average Normal	376
Similkameen Basin Index - April 1, 2024		62%

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

SOUTH COAST			April 1, 2024 Data				Apr 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	2024-03-28	181	818	45		66%	19	1088	1380	0	1176	2670	1241	87
3A02	POWELL RIVER (UPPER)	1040	2024-03-30	103	390	38		41%	3	716	N	15	1034	1813	940	55
3A05	POWELL RIVER (LOWER)	910	2024-03-30	42	154	37		23%	8	486	N	8	756	1554	670	59
3A09	PALISADE LAKE	880	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	1417	3560	1329	73
3A09P	Palisade Lake	900	2024-04-01	105	470			N/A	N/A	1028	939	497	959	1498	N/A	6
3A10	DOG MOUNTAIN	1080	2024-03-28	150	667	44		58%	12	1016	1200	0	1200	2720	1144	77
3A19	ORCHID LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	1600	90	1836	3770	1741	48
3A20	CALLAGHAN CREEK	1040	NS	NS	NS	NS	NS	N/A	N/A	590	738	24	855	1604	834	46
3A20P	Callaghan	1017	2024-04-01	114	463	41		N/A	N/A	584	721	584	803	883	N/A	5
3A22P	Nostetuko River	1500	2024-04-01					N/A	N/A	396		221	569	1074	583	32
3A24P	Mosley Creek Upper	1650	2024-04-01	58	185	32		65%	9	230	344	135	263	567	284	35
3A25P	Squamish River Upper	1340	2024-04-01	226	805	36		51%	3	1135	1326	714	1589	2758	1566	31
3A26	CHAPMAN CREEK	1022	2024-04-03	200	804	40		59%	5	1172	1236	704	1510	1770	1359	15
3A27	EDWARDS LAKE	1070	2024-04-03	119	474	40		51%	5	840	874	398	995	1286	931	12
3A28P	Tetrahedron	1420	2024-04-01	298	1279	43		N/A	N/A	1267	1423	999	1423	1839	N/A	5
			Average	145	592	40		52%	8							

Basin Index Calculation	Average SWE	537
	Average Normal	1017
South Coast Basin Index - April 1, 2024		53%

Stations used in Basin Index:
3A01, 3A02, 3A05, 3A10, 3A24P, 3A25P, 3A26, 3A27

VANCOUVER ISLAND			April 1, 2024 Data				Apr 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	2024-03-31	191	781	41		53%	6	1226	N	30	1540	3550	1466	68
3B02A	MOUNT COKELY	1190	N	N	N	N	N	N/A	N/A	N	N	0	814	2100	845	34
3B04	ELK RIVER	270	2024-03-31	0	0			N/A	N/A	0	33	0	0	607	26	62
3B10	UPPER THELWOOD LAKE	990	2024-03-31	171	732	43		51%	4	1016	1212	0	1473	3200	1440	64
3B17P	Wolf River Upper	1490	2024-04-01		841			65%	8	913	963	317	1211	2620	1290	36
3B18	WOLF RIVER (MIDDLE)	990	N	N	N	N	N	N/A	N/A	453	324	0	564	1706	595	52
3B19	WOLF RIVER (LOWER)	640	2024-03-31	5	20	40		6%	7	178	142	0	320	1198	346	51
3B23P	Jump Creek	1160	2024-04-01	92	437	48		37%	8	1041	936	0	1167	3040	1190	28
3B24P	Heather Mountain Upper	1190	2024-04-01	143	756	53		N/A	N/A	1087	1130	818	1308	1745	N/A	8
3B26P	Mount Arrowsmith	1465	2024-04-01	179	705	39		N/A	N/A	848	922	840	938	1260	N/A	6
			Average	112	534	44		42%	6							

Basin Index Calculation	Average SWE	562
	Average Normal	1146
Vancouver Island Basin Index - April 1, 2024		49%

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

CENTRAL COAST			April 1, 2024 Data				Apr 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	2024-04-03	10	45	45		11%	0	403	201	36	370	981	411	37
3C08P	Burnt Bridge Creek	1330	2024-04-01	140	571	41		70%	6	799	942	420	786	1388	816	25
			Average	75	308	43		40%	3							

Basin Index Calculation	Average SWE	308
	Average Normal	613
Central Coast Basin Index - April 1, 2024		50%

Stations used in Basin Index:
3C07, 3C08P

SKAGIT			April 1, 2024 Data				Apr 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
3D01C	SUMALLO RIVER WEST	790	2024-04-01	0	0			0%	N/A	153	150	0	181	512	200	31
3D02	LIGHTNING LAKE	1220	2024-03-30	57	166	29		57%	5	205	287	60	308	622	293	76
3D03A	KLESILKWA	1175	2024-04-01	10	30	30		12%	6	179	224	0	303	792	244	75
			Average	22	65	N/A		23%	5							

Basin Index Calculation	Average SWE	65
	Average Normal	246
Skagit Basin Index - April 1, 2024		27%

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

PEACE			April 1, 2024 Data				Apr 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
4A02P	Pine Pass	1400	2024-04-01	210	730	35		67%	0	1151	1110	841	1110	1554	1089	31
4A03	WARE (UPPER)	1575	NS	NS	NS	NS	NS	N/A	N/A	NS	218	157	240	390	253	59
4A03P	Ware Upper	1565	2024-04-01	66	154	23		N/A	N/A	193	192	192	214	260	N/A	7
4A04	WARE (LOWER)	970	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	112	187	316	197	57
4A04P	Ware Lower	971	2024-04-01	52	161	31		N/A	N/A	183	183	153	203	235	N/A	7
4A05	GERMANSEN (UPPER)	1480	2024-03-28	65	182	28	NS	51%	0	313	276	200	326	523	356	62
4A07	LADY LAURIER LAKE	1440	2024-03-27	141	404	29		77%	9	513	532	342	495	854	524	60
4A09P	Pulpit Lake	1311	2024-04-01	108	327	30		77%	11	334	420	282	423	622	425	33
4A10	FREDRICKSON LAKE	1325	2024-03-28	75	188	25		77%	13	247	211	149	241	351	245	61
4A10P	Fredrickson Lake	1326	2024-04-01	77	237	31		N/A	N/A						N/A	0
4A11	TRYGVE LAKE	1410	2024-03-28	103	295	29		81%	13	287	371	253	348	511	366	60
4A12	TSAYDAYCHI LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	419	361	234	377	639	415	61
4A12P	Tsaydaychi Lake	1195	2024-04-01	72	243	34		N/A	N/A	396	332	332		522	N/A	3
4A13	PHILIP LAKE	1035	NS	NS	NS	NS	NS	N/A	N/A	264	224	133	278	449	281	61
4A13P	Philip Lake	1028	2024-04-01	40	164	41		N/A	N/A	252	215	215	284	333	N/A	4
4A16	MORFEE MOUNTAIN	1430	2024-03-28	128	457	36		54%	N/A	836	723	555	815	1158	843	54
4A18	MOUNT SHEBA	1490	NS	NS	NS	NS	NS	N/A	N/A	794	971	495	822	1294	887	54
4A18P	MOUNT SHEBA	1484	2024-04-01	172	583	34		N/A	N/A		985	854	1044	1226	N/A	4
4A20	MONKMAN CREEK	1570	2024-03-29	90	266	30	NS	47%	0	509	NS	313	549	1067	572	42
4A20P	Monkman Creek	1570	2024-04-01		312			N/A	N/A	359	458	359	446	518	N/A	5
4A21	MOUNT STEARNS	1505	2024-03-27	35	76	22		53%	2	140	147	59	140	239	145	49
4A25	FORT ST. JOHN A	690	2024-04-03	0	0		T	0%	N/A	96	41	0	98	226	105	45
4A27P	Kwadacha North	1554	2024-04-01	96	241	25		76%	9	273	313	227	327	446	316	33
4A30P	Aiken Lake	1050	2024-04-01	76	231	30		89%	39	260	236	127	252	371	259	36
4A31P	Crying Girl Prairie	1358	2024-04-01	40	138	35		N/A	N/A	262	192	166	259	314	N/A	8
4A33P	Muskwa-Kechika	1196	2024-04-01	26	55	21		N/A	N/A	162	130	52	127	162	N/A	7
4A34P	Dowling Creek	1456	2024-04-01		293			N/A	N/A	1679	1369	818	1349	1679	N/A	7
4A36P	Parsnip Upper	790	2024-04-01	45	100	22		N/A	N/A	315	306	303	315	444	N/A	5
4A37P	McQue Terrace	1200	2024-04-01	16	87	54		N/A	N/A	141	132	126	137	147	N/A	4
4A38P	Horn Creek	1450	2024-04-01	87	309	36		N/A	N/A	353		353		353	N/A	1
4A39P	Chowade Upper	1480	2024-04-01	32	92	29		N/A	N/A						N/A	0
			Average	77	243	31		62%	10							

Basin Index Calculation	Average SWE	283
	Average Normal	437
Peace Basin Index - April 1, 2024		65%

Stations used in Basin Index:
4A02P, 4A05, 4A07, 4A9P, 4A10, 4A11, 4A16, 4A20, 4A21, 4A25, 4A27P, 4A30P

SKEENA-NASS			April 1, 2024 Data				Apr 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	2024-04-01	152	537	35		58%	0	881	780	622	622	874	1781	926	70	*Record Low
4B02	JOHANSON LAKE	1420	2024-03-28	83	218	26		72%	5	302	293	173	173	281	417	301	61	
4B02P	Johanson Lake	1467	2024-04-01	86	295	34		N/A	N/A	311		311	311		311	N/A	1	
4B03A	HUDSON BAY MTN.	1480	2024-03-27	96	298	31		60%	0	520	536	356	356	498	846	496	52	*Record Low
4B04	CHAPMAN LAKE	1460	2024-03-28	92	257	28		55%	0	418	484	315	315	440	762	470	58	*Record Low
4B06	TACHEK CREEK	1140	2024-03-28	50	124	25		53%	1	234	208	112	112	226	362	232	56	
4B07	MCKENDRICK CREEK	1050	2024-03-28	48	125	26		45%	0	270	251	183	183	276	427	279	56	*Record Low
4B08	MOUNT CRONIN	1480	2024-03-28	118	355	30		63%	0	460	497	415	415	549	1097	566	54	*Record Low
4B11A	BEAR PASS	460	2024-03-30	97	330	34		56%	3	710	550	322	322	610	1013	589	37	
4B13A	TERRACE AIRPORT	180	2024-04-03	0	0			0%	N/A	128	0	0	0	38	333	93	41	
4B14	EQUITY MINE	1420	2024-03-28	96	242	25		60%	0	344	334	258	258	364	640	403	47	*Record Low
4B15	LU LAKE	1300	2024-03-28	77	164	21		55%	1	266	216	162	162	276	504	300	47	
4B15P	Lu Lake	1300	2024-04-01	66	172	26		59%	5	309	265	150	150	281	488	290	26	
4B16P	Shedin Creek	1480	2024-04-01	149	548	37		69%	10	696	922	466	466	785	1096	792	26	
4B17P	Tsai Creek	1360	2024-04-01	160	703	44		63%	0	945	1107	802	802	1040	1834	1121	26	*Record Low
4B18P	Cedar-Kiteen	885	2024-04-01	64	364	57		56%	5	740	1009	350	350	614	1129	651	22	
Average					90	296	32		55%	2								

Basin Index Calculation	Average SWE	296
	Average Normal	501
Skeena-Nass Basin Index - April 1, 2024		59%

Stations used in Basin Index:
4B01, 4B02, 4B03A, 4B04, 4B06, 4B07, 4B08, 4B11A, 4B13A, 4B14, 4B15, 4B15P, 4B16P, 4B17P, 4B18P

LIARD			April 1, 2024 Data				Apr 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	2024-04-01	79	182	23		N/A	N/A	237	268	171	171	253	327	N/A	6	
4C01	SIKANNI LAKE	1385	2024-03-27	67	144	21	NS	54%	0	NS	NS	158	158	257	380	265	58	*Record Low
4C02	SUMMIT LAKE	1280	2024-04-04	27	74	27	A	73%	17	84	113	0	0	102	240	101	53	
4C05	FORT NELSON AIRPORT	380	2024-04-05	15	32	21		37%	3	77	N	23	23	84	198	86	55	
4C20P	Sierra Climate	572	2024-04-01		47			N/A	N/A	105		78	78	87	153	N/A	5	
4C21P	Two Island Climate	708	2024-04-01		60			N/A	N/A	81		80	80	98	173	N/A	5	
Average					47	90	23		55%	7								

Basin Index Calculation	Average SWE	83
	Average Normal	151
Liard Basin Index - April 1, 2024		55%

Stations used in Basin Index:
4C01, 4C02, 4C05

STIKINE			April 1, 2024 Data				Apr 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	2024-04-01		433			80%	23	420	527	302	302	521	869	543	24	
4D11P	Kinaskan Lake	1020	2024-04-01					N/A	N/A	290	409	167	167	343	638	374	28	
4D16P	Forrest Kerr Mid Elevation Snow	1192	2024-04-01		940			N/A	N/A	932	1275	562	562	813	1279	N/A	8	
4D17P	Forrest Kerr High Elevation Snow	1622	2024-04-01		1380			N/A	N/A	1205	1954	642	642	1099	1955	N/A	8	
Average				#DIV/0!	918	N/A		80%	23									

Basin Index Calculation	Average SWE	433
	Average Normal	543
Stikine Basin Index - April 1, 2024		80%

Stations used in Basin Index:
4D10P

NORTHWEST			April 1, 2024 Data				Apr 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)	
4E01	LOG CABIN	900	2024-03-26	144	426	30		104%	70	405	485	213	370	786	411	64
4E01P	Log Cabin	890	2024-04-01	138	463	34		N/A	N/A						N/A	0
4E02B	ATLIN LAKE	730	2024-03-26	43	113	26		111%	63	93	136	0	100	243	102	19
			Average	108	334	30		107%	67							

Basin Index Calculation	Average SWE	270
	Average Normal	256
Northwest Basin Index - April 1, 2024		105%

Stations used in Basin Index:
4E01, 4E02B

BRITISH COLUMBIA

Basin Index Calculation	Average SWE	367
	Average Normal	583
British Columbia Basin Index - April 1, 2024		63%

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