

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

The June 1st snow survey is now complete. Data from 18 manual snow courses and 104 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 June 1st, the provincial snowpack is below normal, averaging 57% across B.C. (May 15th: 57%)
- The June 1st Snow Bulletin provides an update on the seasonal snowmelt process. Typically, it highlights whether snowmelt is earlier than normal, delayed or melting at seasonal rates.
- On average, approximately 46% of the seasonal snowpack melts by June 1st. This year 52% of the peak snowpack has melted. Last year, temperatures were much warmer in May and 86% of the snowpack melted by this time.
- Snowmelt-related flood hazard remains low. Despite significant heat on May 9-12, no flooding was experienced.
- The greatest flood risk for the rest of the season is from widespread heavy rain events.
- Low snowpack, early snowmelt and lingering impacts from on-going drought are creating significantly elevated drought hazards for this upcoming spring and summer.

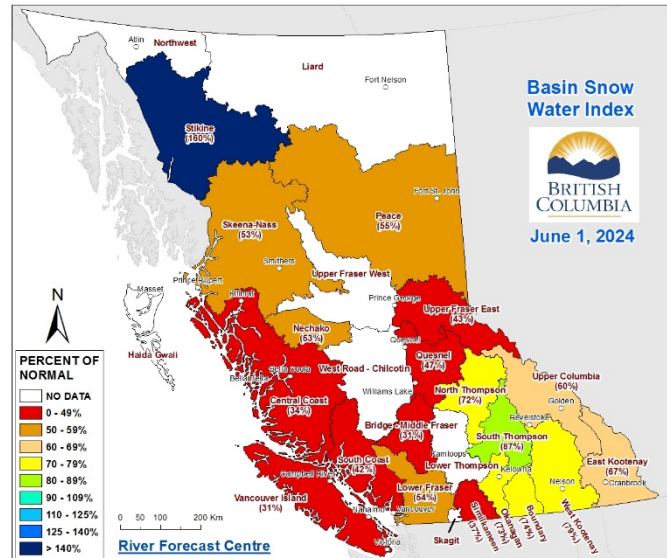


Figure 1. June 1st, 2024 Basin Snow Water Index Map of British Columbia. Larger and colour-friendly versions available in full report.

Table 1. June 1st, 2024 Snow Basin Indices in B.C.

Basin	% of Normal	Basin	% of Normal	Basin	% of Normal
Upper Fraser West	N/A#	North Thompson	72	South Coast	42
Upper Fraser East	43	South Thompson	87	Vancouver Island	31
Nechako	53	Fraser River	57	Central Coast	34
Middle Fraser	39	Upper Columbia	60	Skagit	N/A#
Lower Thompson*	N/A#	West Kootenay	79	Peace	55
Bridge*	31	East Kootenay	67	Skeena-Nass	53
Chilcotin*	N/A#	Boundary	74	Liard	N/A#
Quesnel*	47	Okanagan	73	Stikine	160
Lower Fraser	54	Similkameen	37	Northwest	N/A#

British Columbia 57% of Normal

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

Next scheduled snow bulletin release: June 20th, 2024

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Weather

The second half of May measured seasonal to below seasonal temperatures across the province. Several low-pressure systems impacted B.C. resulting in relatively wet conditions and, in some cases, minor snow accumulation at higher elevations.

Overall, temperatures in May were near normal throughout the province. Very warm temperatures during a strong high-pressure ridge from May 9th to May 12th were offset by generally seasonal to below seasonal temperatures over the rest of the month. One exception is Fort Nelson, which averaged +1.3 °C above normal for May.

Monthly precipitation was variable across B.C. Wetter than normal conditions were measured in Victoria, Quesnel, and Williams Lake. Williams Lake Airport measured the 4th wettest May in 63 years. Drier than normal precipitation was recorded for Campbell River, Vernon, Cranbrook, Sandspit, Terrace, Smithers, Chetwynd, Fort St. John and Fort Nelson. Fort St. John was the 4th driest May since 1910.

Cooler and wetter conditions have occurred during the first week of June. A high-pressure ridge is forecast to impact the province beginning June 6.

Snowpack

The provincial snowpack remains very low with the average of all stations for June 1st at 57% of normal (May 15th: 57%). Snow Basin Indices (SBI) for June 1st range from 31% of normal on Vancouver Island to 160% in the Stikine, with six snow basins lacking indices (Tables 1, 2 and Figures 1, 4, 5).

On average, 46% of the seasonal snowpack melts by June 1st. Despite a very early melt of low elevation snowpack in April, this year's snowmelt has trended seasonal, with approximately 52% of the annual snow accumulation having melted by the start of June. This contrasts with 2023, when a record hot May led to 86% of the seasonal snowpack melting by June 1st.

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 57%, decreasing slightly from 60% on May 15th.

Last year, the June 1st provincial average was 29% of normal (Table 3) as snowmelt rates throughout May were very rapid. Despite most areas starting the snowmelt season with less snow than in 2023, lower rates of snowmelt at higher elevations this year have led to higher June 1st SBI values in most regions.

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 – June 1, 2024 compared to May 15, 2024

Basin	June 1 st % of Normal (May 15 value)	Percentage Point Change May 15 to June 1	Basin	June 1 st % of Normal (May 15 value)	Percentage Point Change May 15 to June 1
Fraser River Region			Columbia Region		
Upper Fraser East	43 (47)	↓ -4	Upper Columbia	60 (56)	↑ +4
Upper Fraser West	N/A (N/A)	N/A ^a	West Kootenay	79 (66)	↑ +13
Nechako	53 (62)	↓ -9	East Kootenay	67 (44)	↑ +23
Middle Fraser	39 (42)	↓ -3	Boundary	74 (74)	0
Lower Thompson*	N/A (N/A)	N/A ^a	Okanagan	73 (49)	↑ +24
Bridge*	31 (45)	↓ -14	Similkameen	37 (46)	↓ -9
Chilcotin*	N/A (N/A)	N/A ^a	Northern Region		
Quesnel*	47 (38)	↑ +9	Peace	55 (60)	↓ -5
Lower Fraser	54 (63)	↓ -9	Skeena-Nass	53 (55)	↓ -2
North Thompson	72 (67)	↑ +5	Liard	N/A (N/A)	N/A ^a
South Thompson	87 (74)	↑ +13	Stikine	160 (101)	↑ +59
Coastal Region			Northwest	N/A (N/A)	N/A ^a
South Coast	42 (45)	↓ -3	Additional		
Vancouver Island	31 (34)	↓ -3	Fraser River	57 (60)	↓ -3
Central Coast	34 (62)	↓ -28			
Skagit	N/A (N/A)	N/A ^a			
British Columbia 57 (57) 0					

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

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

Basin	June 1 st % of Normal (2023 value)	Percentage Point Change 2023 to '24	Basin	June 1 st % of Normal (2023 value)	Percentage Point Change 2023 to '24
Fraser River Region			Columbia Region		
Upper Fraser East	43 (11)	↑ +32	Upper Columbia	60 (24)	↑ +36
Upper Fraser West	N/A (N/A)	N/A ^a	West Kootenay	79 (36)	↑ +43
Nechako	53 (44)	↑ +9	East Kootenay	67 (1)	↑ +66
Middle Fraser	39 (0)	↑ +39	Boundary	74 (4)	↑ +70
Lower Thompson*	N/A (N/A)	N/A ^a	Okanagan	73 (0)	↑ +73
Bridge*	31 (0)	↑ +31	Similkameen	37 (0)	↑ +37
Chilcotin*	N/A (N/A)	N/A ^a	Northern Region		
Quesnel*	47 (0)	↑ +47	Peace	55 (32)	↑ +23
Lower Fraser	54 (35)	↑ +19	Skeena-Nass	53 (43)	↑ +10
North Thompson	72 (16)	↑ +56	Liard	N/A (N/A)	N/A ^a
South Thompson	87 (33)	↑ +54	Stikine	160 (68)	↑ +92
Coastal Region			Northwest	N/A (N/A)	N/A ^a
South Coast	42 (52)	↓ -10	Additional		
Vancouver Island	31 (41)	↓ -10	Fraser River	57 (24)	↑ +33
Central Coast	34 (0)	↑ +34			
Skagit	N/A (N/A)	N/A ^a			
British Columbia 57 (29) ↑ +28					

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

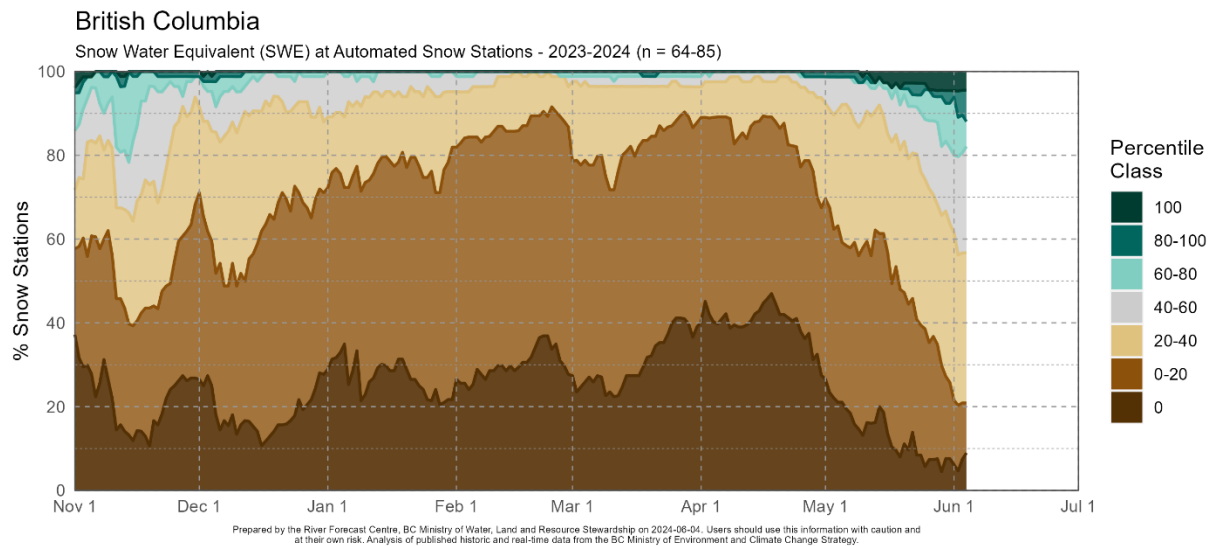
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Automated Snow Weather Stations (ASWS) provide real-time SWE and snow depth data, recorded at one-hour intervals and summarized at daily time-steps for analysis. Figure 2 shows the percentage of snow stations that fall within a given percentile class 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). Record high and record low are represented by the 100th and 0th percentiles, respectively.

The proportion of ASWS’s reporting in the 0th to 20th percentile classes have declined from nearly 90% of stations in the middle of April to around 20% of stations by June 1st.

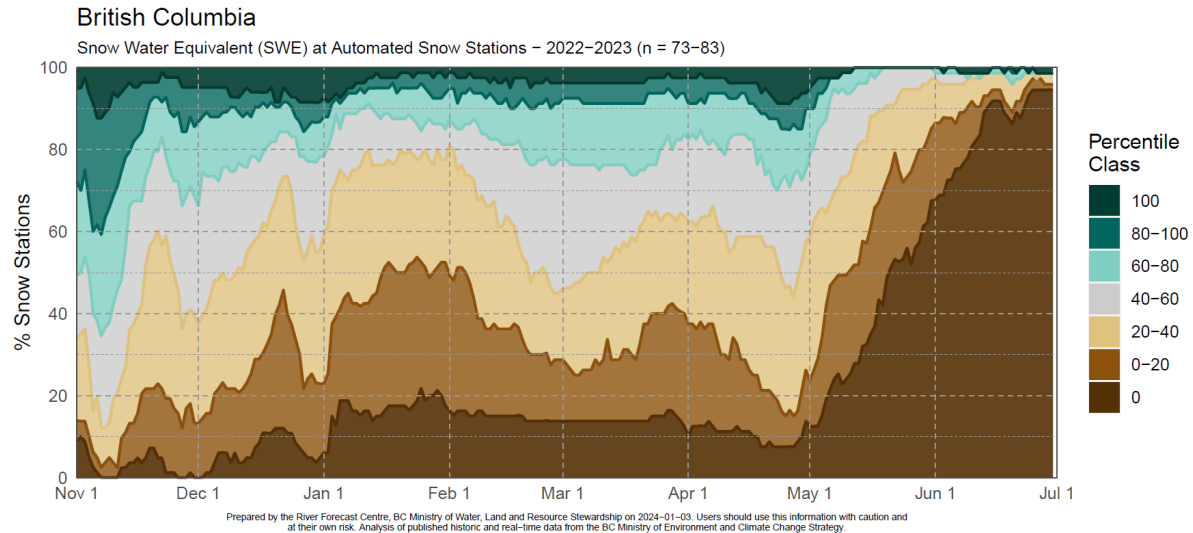
As a comparison, Figure 3 displays the changes in percentile classes at ASWS last year (2022-2023). The snowpack was generally healthier last winter compared to this winter, although record-breaking heat in May 2023 caused rapid melt and unusually early onset of freshet, and a rapid increase in May in the proportion of ASWS’s that were reporting very low percentiles.

Figure 2. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2023-2024)



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Figure 3. Snow Water Equivalent Percentiles at Automated Snow Weather Stations (2022-2023)



Seasonal Weather Outlook

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

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

to indicate a moderate likelihood (40-70% chance) of above normal temperatures across almost all of B.C. over the June to August period, except for a relatively narrow band of potentially near normal temperatures along portions of the coast. 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 June to August suggest a small likelihood of above normal precipitation across along the coast, and a similarly minor likelihood of below normal precipitation in the Northeast.

Flood and Drought Outlook

Snowpack levels are well below normal across most of the province. Normal seasonal flood risk is expected in the Northwest and Stikine

with above normal snowpack still lingering in both regions. Higher elevation watersheds are still susceptible to sudden streamflow rises if a

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significant heat event occurs in June, especially if widespread heavy rainfall occurs immediately afterwards. Additionally, 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.

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

Antecedent conditions this season are indicating increased drought hazards across

Summary

By June 1st, typically 46% of the annual B.C. snowpack has melted. This year, as of June 1st, approximately 52% of mountain snowpack has melted, compared to 2023 when 86% had melted. The snow basin indices throughout the province range from 31 to 160% of normal, with a provincial average of 57% of normal (43% below normal).

The River Forecast Centre continues to monitor snowpack conditions and will provide an updated seasonal risk forecast in the June 15th, 2024 bulletin scheduled for release on June 20th.

River Forecast Centre
June 6, 2024

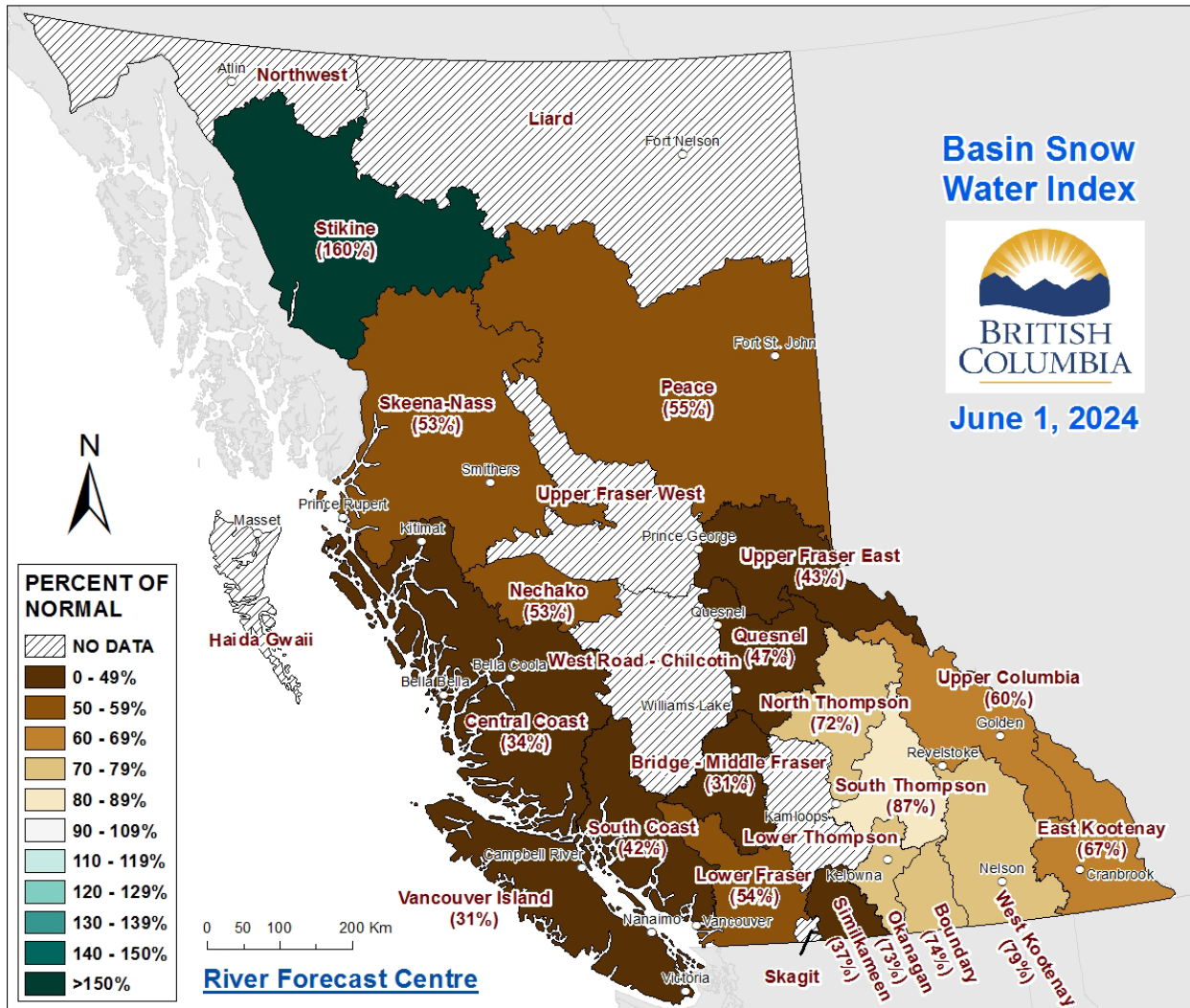
the province. Low provincial snowpack (57% of normal for June 1st), early snowmelt at lower elevations, persistent drought impacts from previous seasons and multi-year precipitation deficits, and the upcoming seasonal weather outlook are all significant factors for province-wide concern for drought this year.

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

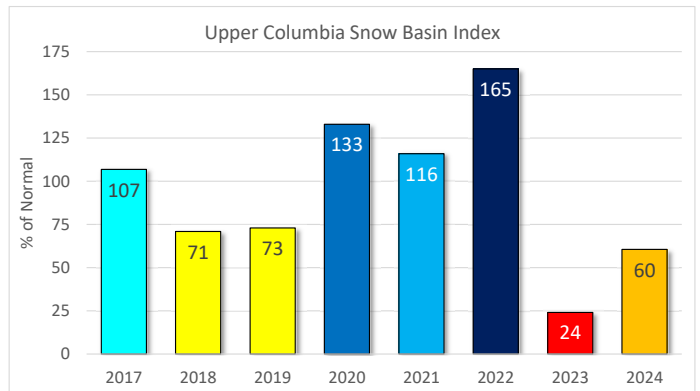
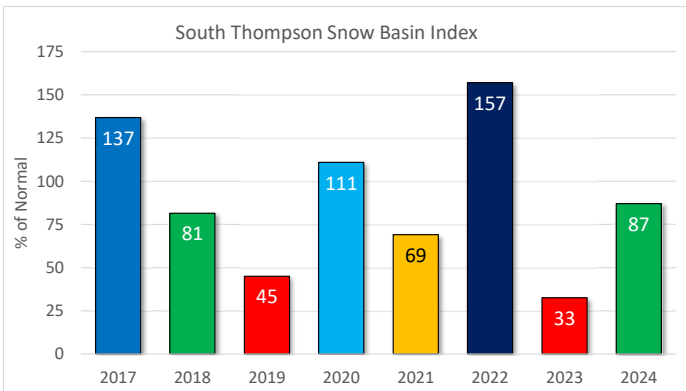
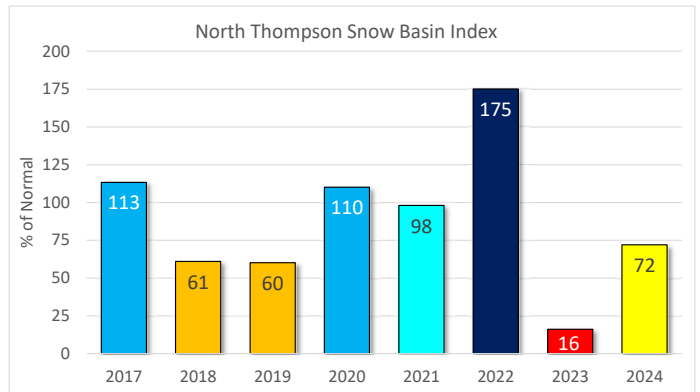
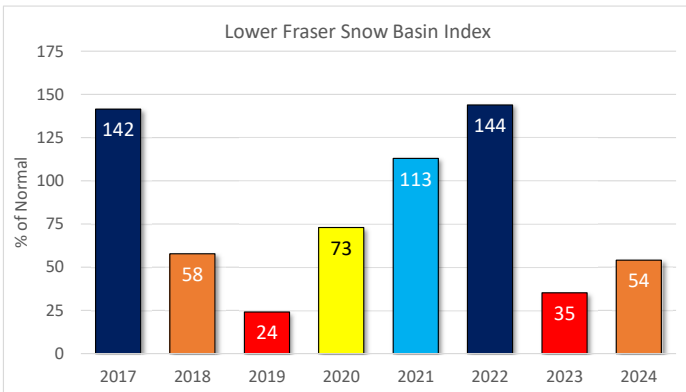
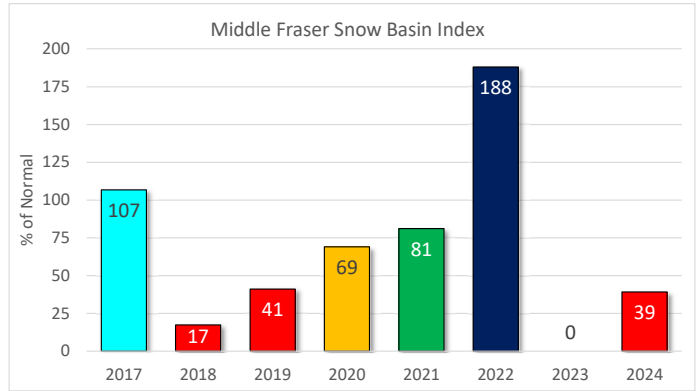
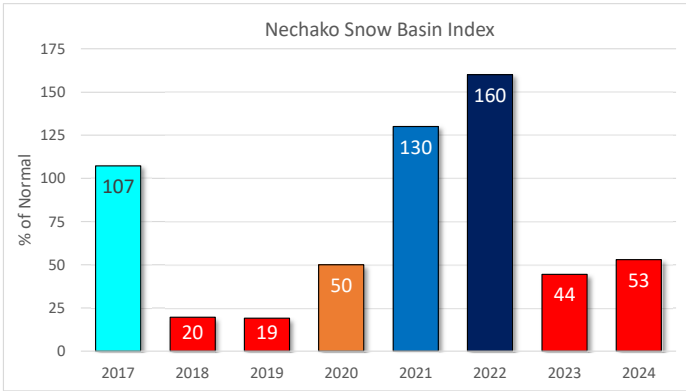
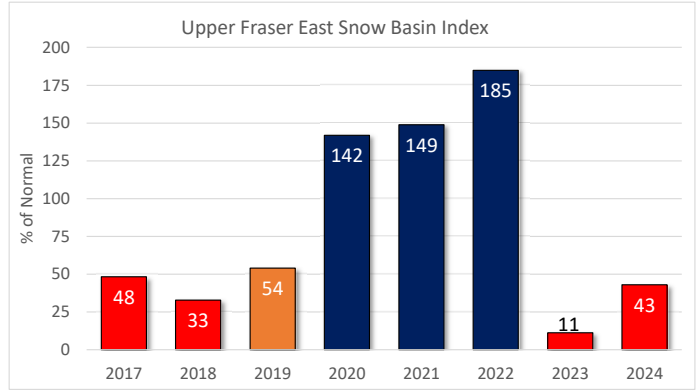
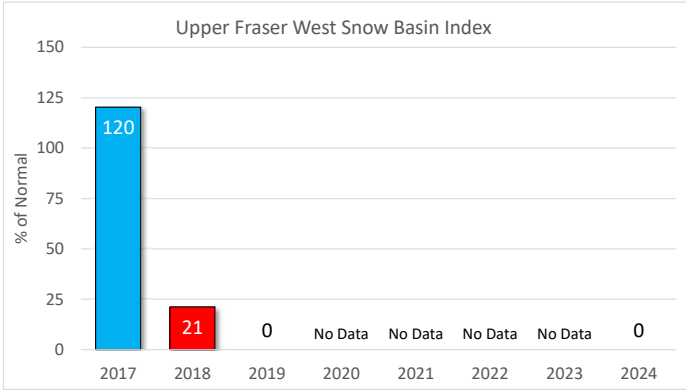
This season continues to have increased hazards of drought due to long-term precipitation deficits, low snowpack, early snowmelt, and an increased likelihood of warmer than normal summer weather. Weather will continue to play an important role in summer drought conditions.

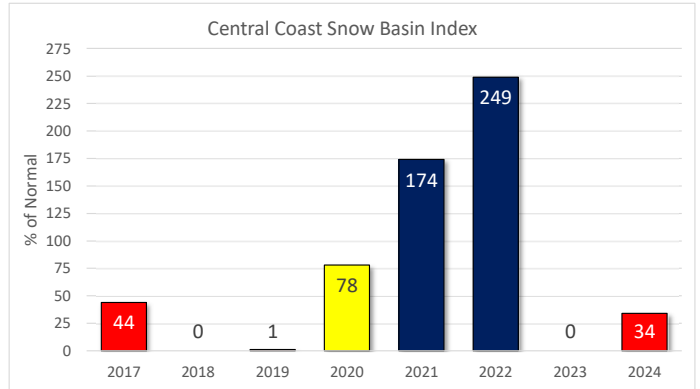
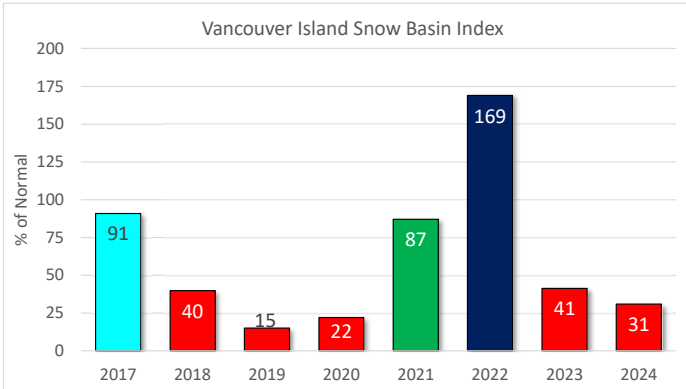
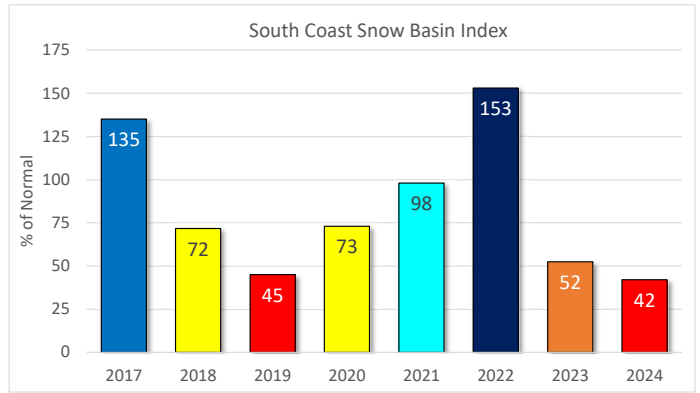
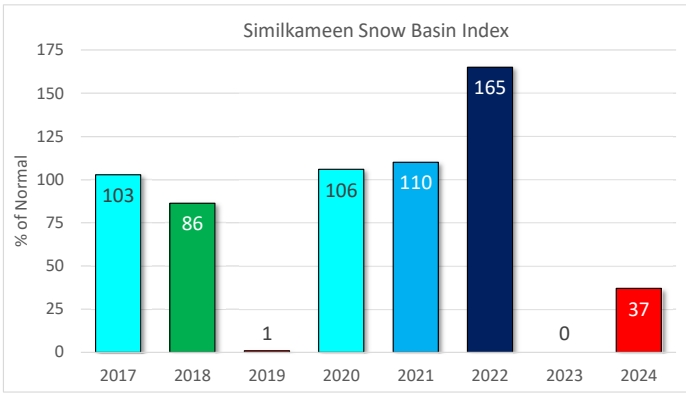
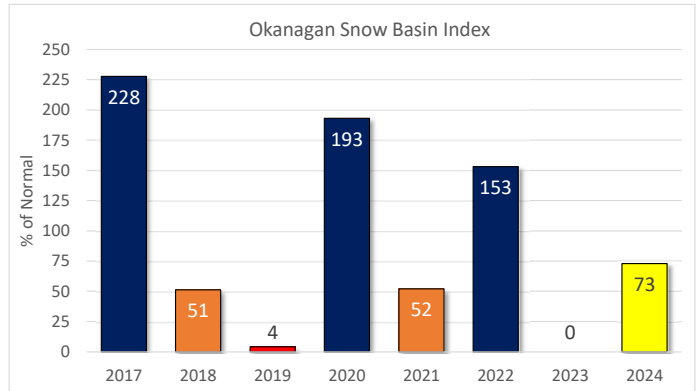
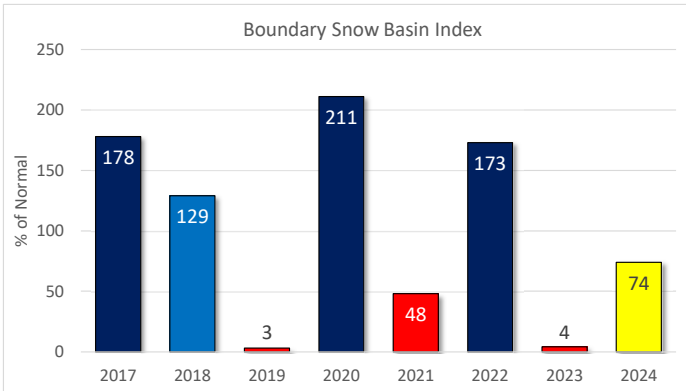
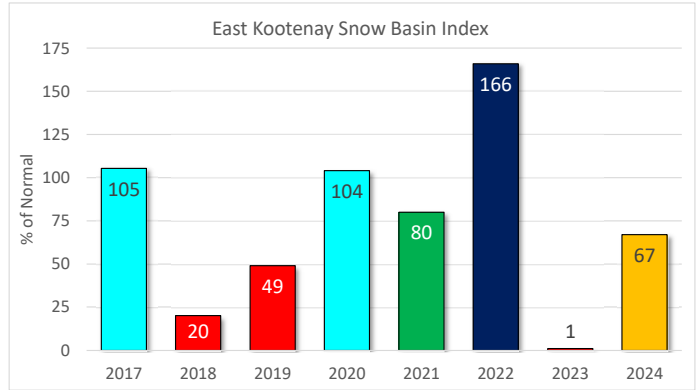
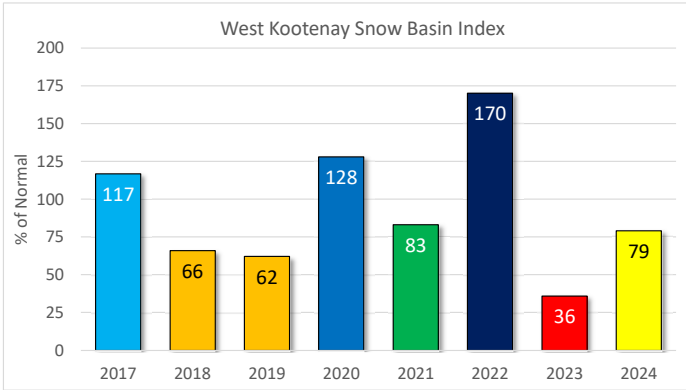
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Figure 5: Basin Snow Water Index – June 1st, 2024 – Colour Friendly

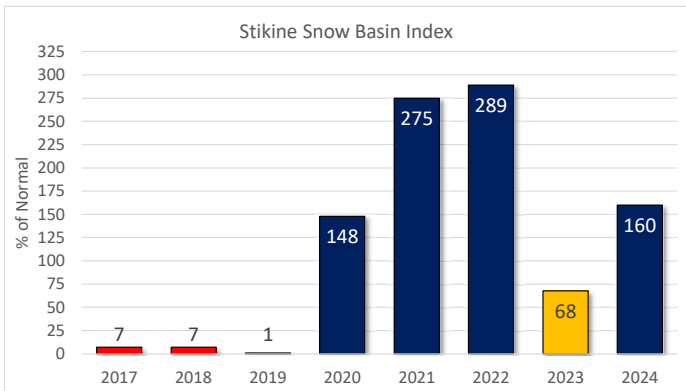
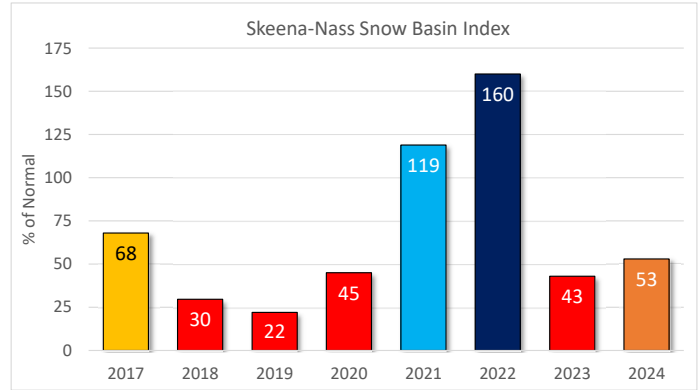
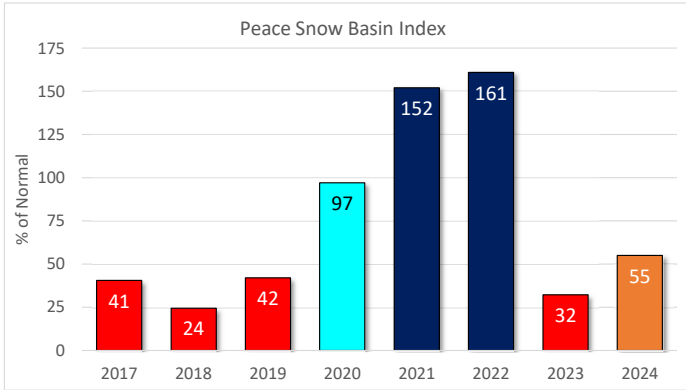


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Snow Basin Index Graphs - June 1, 2024



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

UPPER FRASER EAST			June 1, 2024 Data				June 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	2024-06-01	21	103	49		30%	22	0	583	0	361	843	346	24
1A02P	McBride Upper	1611	2024-06-01	0	0			0%	N/A	0	342	0	114	401	140	31
1A03P	Barkerville	1520	2024-06-01		0			0%	N/A	0	94	0	0	291	29	45
1A05P	Longworth Upper	1740	2024-06-01	100	661	66		N/A	N/A	44	1315	44	425	1315	N/A	7
1A06A	HANSARD	608	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
1A10	PRINCE GEORGE A	689	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	3
1A11	PACIFIC LAKE	755	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	462	132	36
1A14P	Hedrick Lake	1100	2024-06-01	0	0			0%	N/A	0	612	0	348	1052	394	24
1A15P	Knudsen Lake	1601	2024-06-01	20	221	111		N/A	N/A	0	1305	0	253	1305	N/A	8
1A17P	Revolution Creek	1690	2024-06-01					N/A	N/A	21	1127	0	448	1127	521	34
1A19P	Dome Mountain	1774	2024-06-01	115	564	49		90%	48	210	1052	210	600	1076	628	18
			Average	43	221	69		24%	35							

Basin Index Calculation	Average SWE	133
	Average Normal	308
Upper Fraser East Basin Index - June 1, 2024		43%

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

UPPER FRASER WEST			June 1, 2024 Data				June 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	2024-06-01	0	0			N/A	N/A	0		0	0	0	N/A	7
1A16	BURNS LAKE	800	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	12
1A23	BIRD CREEK	1180	2024-05-31	0	0			N/A	N/A	0	0	0	0	0	0	26
			Average	0	0	N/A		N/A	N/A							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Upper Fraser West Basin Index - June 1, 2024		N/A

Stations used in Basin Index:
N/A

NECHAKO			June 1, 2024 Data				June 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	2024-05-31	17	60	35		33%	39	0	474	0	208	529	183	45
1B01P	Mount Wells	1490	2024-06-01		69			31%	38	0	566	0	187	720	219	31
1B02	TAHTSA LAKE	1300	2024-05-30	139	649	47		72%	19	639	967	309	923	1828	903	46
1B02P	Tahtsa Lake	1300	2024-06-01		624			71%	34	595	1039	205	842	2158	883	31
1B05	SKINS LAKE	890	2024-05-31	0	0			N/A	N/A	0	0	0	0	0	0	28
1B06	MOUNT SWANNELL	1620	2024-05-31	0	0			0%	N/A	0	263	0	0	350	103	31
1B07	NUTLI LAKE	1490	2024-05-31	0	0			0%	N/A	0	254	0	88	618	186	31
1B08P	Mt. Pondosy	1400	2024-06-01		59			20%	29	0	494	0	223	929	296	27
			Average	31	183			32%	32							

Basin Index Calculation	Average SWE	209
	Average Normal	396
Nechako Basin Index - June 1, 2024		53%

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

LOWER THOMPSON			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	5	
1C06	PAVILION	1230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C09A	HIGHLAND VALLEY	1510	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	8	
1C25	LAC LE JEUNE (UPPER)	1509	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C29	SHOVELNOSE MOUNTAIN	1450	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C29P	Shovelnose Mountain	1460	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	5	
1C32P	Deadman River	1460	2024-06-01	0	0			N/A	N/A	0		0		0	N/A	1	
1C42	CAVERHILL LAKE NEW	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C44P	Paradise Lake	1640	2024-06-01	0	0			N/A	N/A						N/A	0	
1C45P	July Mountain	1860	2024-06-01	72	521	72		N/A	N/A						N/A	0	
			Average		18	130	72		N/A	N/A							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Lower Thompson Basin Index - June 1, 2024		N/A

Stations used in Basin Index:
N/A

BRIDGE / LILLOOET			June 1, 2024 Data					June 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	2024-06-01		0			N/A	N/A	0	414	0	0	414	N/A	6	
1C05	MCGILLIVRAY PASS	1725	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	280	757	N/A	22	
1C12P	Green Mountain	1780	2024-06-01		179			38%	25	0	771	0	341	1186	472	30	
1C14	BRALORNE	1389	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C14P	Bralorne	1382	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	6	
1C18P	Mission Ridge	1850	2024-06-01		0			0%	N/A	0	411	0	3	710	106	47	
1C28	DUFFEY LAKE	1200	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C37	BRALORNE (UPPER)	1981	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C38	DOWNTON LAKE UPPPER	1884	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C38P	Downton Lake Upper	1829	2024-06-01		487			N/A	N/A	98	1072	98	433	1072	N/A	8	
1C39	BRIDGE GLACIER (LOWER)	1390	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C40P	North Tyaughton	1969	2024-06-01		45			N/A	N/A	0	427	0	0	427	N/A	8	
1C43P	Bridge Glacier Proglacial Lake	1505	2024-06-01	5	41	82		N/A	N/A	0		0		0	N/A	0	
			Average		3	107	82		19%	25							

Basin Index Calculation	Average SWE	90
	Average Normal	289
Bridge/Lillooet Basin Index - June 1, 2024		31%

Stations used in Basin Index:
1C12P, 1C18P

CHILCOTIN			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0	
1C22	PUNTZI MOUNTAIN	940	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	2	
1C22AP	Puntzi Mountain	920	2024-06-01	0	0			N/A	N/A						N/A	0	
			Average		0	0	N/A		N/A	N/A							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Chilcotin Basin Index - June 1, 2024		N/A

Stations used in Basin Index:
N/A

QUESNEL			June 1, 2024 Data				June 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	2024-06-01	0	0			0%	N/A	0	110	0	0	332	40	50
1C17P	Mount Timothy	1630	2024-06-01	0				N/A	N/A						N/A	0
1C20P	Boss Mountain Mine	1460								0	375	0	66	401	114	30
1C23	PENFOLD CREEK	1685	NS	NS	NS	NS	NS	N/A	N/A	NS	1236	353	850	1354	873	45
1C23P	Penfold Creek	1740	2024-06-01	123	529	43		N/A	N/A	40					N/A	1
1C33A	GRANITE MOUNTAIN	1150	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1C41P	Yanks Peak East	1670	2024-06-01	47	261	56		51%	22	0	1075	0	525	1075	510	27
			Average	43	263	49		26%	22							

Basin Index Calculation	Average SWE	131
	Average Normal	275
Quesnel Basin Index - June 1, 2024		47%

Stations used in Basin Index:
1C17, 1C41P

MIDDLE FRASER

Basin Index Calculation	Average SWE	110
	Average Normal	282
Middle River Basin Index - June 1, 2024		39%

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

LOWER FRASER			June 1, 2024 Data				June 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	2024-06-01	98	443	45		67%	38	126	1213	122	548	1399	665	23
1D08	STAVE LAKE	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	635	1718	3150	N/A	6
1D08P	Lamont Creek Upper	1217	2024-06-01	75	344	46		N/A	N/A	269	1307	269	1168	1307	N/A	3
1D09P	Wahleach Lake Upper	1480	2024-06-01		599			90%	36	197	913	0	710	1525	669	30
1D10	NAHATLATCH RIVER	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	706	1324	2690	N/A	9
1D16	DICKSON LAKE	1160	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
1D16P	Dickson Lake	1155	2024-06-01	69	508	74		N/A	N/A							0
1D17P	Chilliwack River	1600	2024-06-01	116	840	72		71%	27	589	1734	0	1204	2208	1178	29
1D18	Disappointment Lake	1050	2024-05-31	68	325	48	NS	28%	0	NS	1695	320	1223	2300	1172	16
1D19P	Spuzzum	1180	2024-06-01	57	374	66		34%	17	369	1314	0	1248	2630	1096	25
			Average	81	490	58		58%	24							

Basin Index Calculation	Average SWE	516
	Average Normal	956
Lower Fraser Basin Index - June 1, 2024		54%

Stations used in Basin Index:
1D06P, 1D09P, 1D17P, 1D18, 1D19P

NORTH THOMPSON			June 1, 2024 Data				June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	5
1E02P	Mount Cook	1550	2024-06-01	118	747	63		68%	19	450		450	1091	2062	1100	19
1E03A	TROPHY MOUNTAIN	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	935		935	N/A	1
1E03AP	TROPHY MOUNTAIN	1880	2024-06-01	90	428	48		N/A	N/A						N/A	0
1E07	ADAMS RIVER	1720	2024-06-02	97	520	54		99%	50	44	728	0	518	1155	527	54
1E08P	Azure River	1652	2024-06-01	76	462	61		52%	11	22	1590	22	892	1729	882	26
1E10P	Kostal Lake	1770	2024-06-01		378			56%	8	0	1118	0	640	1386	677	39
1E14P	Cook Creek	1280	2024-06-01	0	0			0%	N/A	0	281	0	0	281	35	15
			Average	76	423	56		55%	22							

Basin Index Calculation	Average SWE	421
	Average Normal	585

Stations used in Basin Index:
1E02P, 1E07, 1E08P, 1E10P, 1E14P

North Thompson Basin Index - June 1, 2024 72%

SOUTH THOMPSON			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
1F02	ANGLEMONT	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	0	0	0	61	N/A	12
1F03P	Park Mountain	1890	2024-06-01	92	668	73		90%	46	402	964	208	710	1260	742	39
1F04P	Enderby	1950	2024-06-01	177	1035	58		N/A	N/A	691	1215	581	1017	1215	N/A	7
1F06P	Celista Mountain	1500	2024-06-01	84	401	48		81%	39	0	972	0	503	972	493	17
			Average	118	701	60		86%	43							

Basin Index Calculation	Average SWE	535
	Average Normal	617
South Thompson Basin Index - June 1, 2024		87%

Stations used in Basin Index:
1F03P, 1F06P

FRASER RIVER

Basin Index Calculation	Average SWE	297
	Average Normal	524
Fraser River Basin Index - June 1, 2024		57%

Stations used in Basin Index:
1A01P, 1A02P, 1A03P, 1A14P, 1A19P, 1B01, 1B01P, 1B02, 1B02P, 1B06, 1B07, 1B08P, 1C12P, 1C17, 1C18P, 1C41P, 1D06P, 1D09P, 1D17P, 1D18, 1D19P, 1E02P, 1E07, 1E08P, 1E10P, 1E14P, 1F03P, 1F06P

UPPER COLUMBIA			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	282	737	N/A	46
2A03A	FIELD	1285	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	2
2A06P	Mount Revelstoke	1850	2024-06-01		594			61%	13	293	1378	240	910	2109	981	30
2A07	KICKING HORSE	1650	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	31	226	N/A	33
2A11	BEAVERFOOT	1890	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	254		254	N/A	1
2A14	MOUNT ABBOT	2010	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	471	1266	1951	N/A	36
2A16	GOLDSTREAM	1920	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2A17	FIDELITY MOUNTAIN	1870	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	439	1095	2045	N/A	35
2A18P	Keystone Creek	1840	2024-06-01		354			N/A	N/A	0	835	0	480	914	N/A	9
2A19	VERMONT CREEK	1520	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	505		505	N/A	1
2A21P	Molson Creek	1935	2024-06-01	104	505	49		60%	8	145	1355	98	872	1470	837	41
2A23	Bush River	1920	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2A25	KIRBYVILLE LAKE	1750	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	969		969	N/A	1
2A27	DOWNIE SLIDE (LOWER)	980	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	443	N/A	9
2A29	DOWNIE SLIDE (UPPER)	1630	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	984	1330	N/A	8
2A30P	Colpitti Creek	2131	2024-06-01	87	444	73		N/A	63	0	1042	0	361	1042	N/A	15
2A31P	Caribou Creek Upper	2201	2024-06-01		547			N/A	N/A	13	1092	13	594	1092	N/A	9
2A32P	Wildcat Creek	2122	2024-06-01		404			N/A	N/A	10	833	10	413	833	N/A	9
2A34P	Glacier NP Rogers Pass Lower	1182	2024-06-01	0	0			N/A	N/A	0	179	0		179	N/A	2
2A35P	Fred Laing Lower	577	2024-06-01	0	0			N/A	N/A	0		0		0	N/A	0
			Average	48	356	61		60%	28							

Basin Index Calculation	Average SWE	550
	Average Normal	909
Upper Columbia Basin Index - June 1, 2024		60%

Stations used in Basin Index:
2A06P, 2A21P

WEST KOOTENAY			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	34	N/A	18
2B05	WHATSHAN (UPPER)	1525	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	196	432	N/A	7
2B06P	Barnes Creek	1620	2024-06-01		0			0%	N/A	0	367	0	24	630	156	31
2B07	KOCH CREEK	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	701		978	N/A	2
2B08P	St. Leon Creek	1800	2024-06-01		623			76%	36	378	1489	225	822	1557	815	30
2B09	RECORD MOUNTAIN	1890	2024-05-28	33	172	52		51%	38	0	610	0	230	1073	338	47
2D02	FERGUSON	929	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	18	400	N/A	16
2D03	SANDON	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	2
2D04	NELSON	930	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	8	N/A	17
2D05	GRAY CREEK (LOWER)	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	343	0	203	551	184	66
2D06	CHAR CREEK	1310	NS	NS	NS	NS	NS	N/A	N/A	NS	307	0	17	362	110	42
2D07A	DUNCAN LAKE NO. 2	630	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2D07AP	Duncan Lake Dam 2	559	2024-06-01		0			N/A	N/A	0	0	0	0	0	N/A	4
2D08P	East Creek	2030	2024-06-01		616			88%	42	178	1205	111	723	1240	698	40
2D09	MOUNT TEMPLEMAN	1860	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2D10	GRAY CREEK (UPPER)	1940	NS	NS	NS	NS	NS	N/A	N/A	NS	798	0	547	1120	517	48
2D10P	GRAY CREEK (UPPER)	1930	2024-06-01	81	439	54		N/A	N/A	0	769	0	333	769	N/A	3
2D14P	Redfish Creek	2104	2024-06-01	174	1132	65		92%	38	606	1781	606	1190	1804	1231	22
2D17	Lost Ledge	2050	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2D18	Purcell	2060	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			Average	96	426	57		61%	38							

Basin Index Calculation	Average SWE	509
	Average Normal	648
West Kootenay Basin Index - June 1, 2024		79%

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

EAST KOOTENAY			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	13
2C04	SULLIVAN MINE	1550	2024-05-30	0	0			0%	N/A	0	0	0	0	137	8	41
2C09Q	Morrissey Ridge	1860	2024-06-01		9			5%	38	0	313	0	23	878	181	39
2C10P	Moyie Mountain	1930	2024-06-01		0			0%	N/A	0	80	0	0	475	35	44
2C11	KIMBERLY UPPER	2140	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2C12	KIMBERLY MIDDLE	1680	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2C14P	Floe Lake	2090	2024-06-01	133	519	39		93%	38	6	905	6	622	971	558	29
2C15	MOUNT ASSINIBOINE	2230	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2C17	THUNDER CREEK	2010	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			Average	67	132	39		24%	38							

Basin Index Calculation	Average SWE	132
	Average Normal	196
East Kootenay Basin Index - June 1, 2024		67%

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

BOUNDARY			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	8	221	N/A	26
2E02	CARMI	1250	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	4
2E03	BIG WHITE MOUNTAIN	1680	2024-06-05	23	103	45		66%	N/A	0	N	0	126	658	157	55

2E07P	Grano Creek	1860	2024-06-01	47	252	54	78%	36	18	557	0	329	769	322	26
			Average	35	178	49	72%	36							

Basin Index Calculation	Average SWE	178
	Average Normal	239
Boundary Basin Index - June 1, 2024		74%

Stations used in Basin Index:
2E03, 2E07P

OKANAGAN			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
2F01AP	Trout Creek West	1420	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	6
2F02	SUMMERLAND RESERVOIR	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	25	N/A	9
2F03	MCCULLOCH	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
2F04	GRAYSTOKE LAKE	1840	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	214	584	N/A	14
2F05P	Mission Creek	1780	2024-06-01	70	257	37		106%	55	0	433	0	218	621	242	53
2F07	POSTILL LAKE	1370	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
2F08	GREYBACK RESERVOIR	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	155	N/A	27
2F08P	Greyback Reservoir	1550	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	7
2F09	WHITEROCKS MOUNTAIN	1830	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	71	848	136	48
2F09P	Whiterocks Mountain	1800	2024-06-01	0	0			N/A	N/A	0					N/A	1
2F10	Silver Star Mountain	1840	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	447	980	485	56
2F10P	Silver Star Mountain	1839	2024-06-01	68	343			N/A	N/A	275	759	191	460	834	N/A	7
2F11	ISINTOK LAKE	1680	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	211	7	21
2F12	MOUNT KOBAN	1810	2024-05-29	0	0			0%	N/A	0	102	0	34	488	108	58
2F13	ESPERON CR (UPPER)	1650	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	144	490	103	15
2F14	ESPERON CR (MIDDLE)	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	127	22	15
2F18P	Brenda Mine	1460	2024-06-01		0			0%	N/A	0	0	0	0	9	1	28
2F19	OYAMA LAKE	1340	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		391	N/A	2
2F19P	OYAMA LAKE	1360	2024-06-01	0	0			N/A	N/A	0	0	0		0	N/A	3
2F20	VASEUX CREEK	1400	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	0	N/A	8
2F23	MACDONALD LAKE	1740	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	131	428	N/A	17
2F24	ISLAHT LAKE	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			Average	20	75	37		35%	55							

Basin Index Calculation	Average SWE	129
	Average Normal	175
Okanagan Basin Index - June 1, 2024		73%

Stations used in Basin Index:
2F05P, 2F12

SIMILKAMEEN			June 1, 2024 Data					June 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	2024-06-01	34	159	47		37%	30	0	702	0	419	1253	426	56
2G04	LOST HORSE MOUNTAIN	1920	NS	NS	NS	NS	NS	N/A	N/A	NS	93	0	101	330	N/A	32
2G05	MISSEZULA MOUNTAIN	1550	NS	NS	NS	NS	NS	N/A	N/A	NS	0	0	0	0	N/A	19
2G06	HAMILTON HILL	1490	NS	NS	NS	NS	NS	N/A	N/A	NS	0	0	0	401	N/A	23
			Average	34	159	47		37%	30							

Basin Index Calculation	Average SWE	159
	Average Normal	426
Similkameen Basin Index - June 1, 2024		37%

Stations used in Basin Index:
2G03P

SOUTH COAST			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	1074		1074	N/A	1
3A02	POWELL RIVER (UPPER)	1040	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A05	POWELL RIVER (LOWER)	910	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A09	PALISADE LKAE	880	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	350		350	N/A	1
3A09P	Palisade Lake	900	2024-06-01	0	0			N/A	N/A	0	428	0	0	428	N/A	6
3A10	DOG MOUNTAIN	1080	2024-05-31	28	137	49		20%	11	516	1195	0	637	2480	694	37
3A19	ORCHID LAKE	1190	2024-05-31	148	755	51	NS	56%	8	NS	1970	0	1329	3648	1351	40
3A20	CALLAGHAN CREEK	1040	NS	NS	NS	NS	NS	N/A	N/A	NS	N	0	80	1228	229	36
3A20P	Callaghan	1017	2024-06-01	0	0			N/A	N/A	0	322	0	26	322	N/A	5
3A22P	Nostetuko River	1500	2024-06-01	0	0			0%	N/A	0	319	0	5	677	112	32
3A24P	Mosley Creek Upper	1650	2024-06-01	0	0			0%	N/A	0	220	0	0	233	27	35
3A25P	Squamish River Upper	1340	2024-06-01	107	489	46		44%	6	509	1308	0	1105	2780	1123	30
3A26	CHAPMAN CREEK	1022	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A27	EDWARDS LAKE	1070	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3A28P	Tetrahedron	1420	2024-06-01	207	1048	51		N/A	N/A	1001	1598	639	1105	1598	N/A	6
			Average	61	304	49		24%	8							

Basin Index Calculation	Average SWE	276
	Average Normal	662
South Coast Basin Index - June 1, 2024		42%

Stations used in Basin Index:
3A10, 3A19, 3A22P, 3A24P, 3A25P

VANCOUVER ISLAND			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	74	1427	2438	N/A	30
3B02A	MOUNT COKELY	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3B04	ELK RIVER	270	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3B10	UPPER THELWOOD LAKE	990	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	485	1636	2601	N/A	13
3B17P	Wolf River Upper	1490	2024-06-01		447			51%	26	316	1274	33	668	2790	874	35
3B18	WOLF RIVER (MIDDLE)	990	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	196	1016	N/A	15
3B19	WOLF RIVER (LOWER)	640	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	193	N/A	15
3B23P	Jump Creek	1160	2024-06-01	0	0			0%	N/A	263	1156	0	285	3142	566	28
3B24P	Heather Mountain Upper	1190	2024-06-01	21	268	128		N/A	N/A	510	1403	0	768	1573	N/A	8
3B26P	Mount Arrowsmith	1465	2024-06-01	66	251	38		N/A	N/A	237	1120	0	370	1120	N/A	6
			Average	29	242	83		26%	26							

Basin Index Calculation	Average SWE	224
	Average Normal	720
Vancouver Island Basin Index - June 1, 2024		31%

Stations used in Basin Index:
3B17P, 3B23P

CENTRAL COAST			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3C08P	Burnt Bridge Creek	1330	2024-06-01	18	89	49		34%	33	0	657	0	143	1121	264	25
			Average	18	89	49		34%	33							

Basin Index Calculation	Average SWE	89
	Average Normal	264
Central Coast Basin Index - June 1, 2024		34%

Stations used in Basin Index:
3C08P

SKAGIT			June 1, 2024 Data					June 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	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
3D02	LIGHTNING LAKE	1220	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	470		470	N/A	1
3D03A	KLESILKWA	1175	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
			Average	N/A	N/A	N/A		N/A	N/A							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Skagit Basin Index - June 1, 2024		N/A

Stations used in Basin Index:
N/A

PEACE			June 1, 2024 Data					June 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	2024-06-01	105	413	39		55%	18	295	1136	168	726	1508	751	31
4A03	WARE (UPPER)	1575	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4A03P	Ware Upper	1565	2024-06-01	0	0			N/A	N/A	0	96	0	0	0	N/A	7
4A04	WARE (LOWER)	970	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4A04P	Ware Lower	971	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	7
4A05	GERMANSEN (UPPER)	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	203		203	N/A	1
4A07	LADY LAURIER LAKE	1440	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	49		49	N/A	1
4A09P	Pulpit Lake	1311	2024-06-01	0	0			0%	N/A	0	42	0	0	219	36	33
4A10	FREDRICKSON LAKE	1325	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4A10P	Fredrickson Lake	1326	2024-06-01	0	0			N/A	N/A						N/A	0
4A11	TRYGVE LAKE	1410	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4A12	TSAYDAYCHI LAKE	1190	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4A12P	Tsaydaychi Lake	1195	2024-06-01	0	0			N/A	N/A	0	103	0	3	103	N/A	3
4A13	PHILIP LAKE	1035	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4A13P	Philip Lake	1028	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	4
4A16	MORFEE MOUNTAIN	1430	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	275	853	N/A	12
4A18	MOUNT SHEBA	1490	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	209	644	1110	N/A	8
4A18P	MOUNT SHEBA	1484	2024-06-01	130	594			N/A	N/A		1091	903	1013	1091	N/A	4
4A20	MONKMAN CREEK	1570	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	410	851	N/A	10
4A20P	Monkman Creek	1570	2024-06-01		43			N/A	N/A	0	481	0	253	481	N/A	5
4A21	MOUNT STEARNS	1505	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	7		7	N/A	1
4A25	FORT ST. JOHN A	690	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
4A27P	Kwadacha North	1554	2024-06-01	27	93	34		72%	47	0	295	0	148	417	130	32
4A30P	Aiken Lake	1050	2024-06-01	0	0			0%	N/A	0	0	0	0	14	2	36
4A31P	Crying Girl Prairie	1358	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	9
4A33P	Muskwa-Kechika	1196	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	8
4A34P	Dowling Creek	1456	2024-06-01	0	0			N/A	N/A	3	1067	0	3	1067	N/A	5
4A36P	Parsnip Upper	790	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	5
4A37P	McQue Terrace	1200	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	4
4A38P	Horn Creek	1450	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	1
4A39P	Chowade Upper	1480	2024-06-01	0	0			N/A	N/A						N/A	0
			Average	17	64	37		32%	32							

Basin Index Calculation	Average SWE	127
	Average Normal	230
Peace Basin Index - June 1, 2024		55%

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

SKEENA-NASS			June 1, 2024 Data					June 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	2024-05-30	50	257	51		49%	20	118	861	0	575	1359	520	47
4B02	JOHANSON LAKE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B02P	Johanson Lake	1467	2024-06-01	1	24	240		N/A	N/A	0					N/A	0
4B03A	HUDSON BAY MTN.	1480	2024-05-29	24	109	45		50%	31	0	379	0	260	729	219	51
4B04	CHAPMAN LAKE	1460	NS	NS	NS	NS	NS	N/A	N/A	NS	344	285	485	594	N/A	8
4B06	TACHEK CREEK	1140	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B07	MCKENDRICK CREEK	1050	NS	NS	NS	NS	NS	N/A	N/A	NS	0	0	0	149	N/A	16
4B08	MOUNT CRONIN	1480	NS	NS	NS	NS	NS	N/A	N/A	NS	488	488	715	927	N/A	10
4B11A	BEAR PASS	460	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	166	N/A	5
4B13A	TERRACE AIRPORT	180	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4B14	EQUITY MINE	1420	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	40	214	N/A	13
4B15	LU LAKE	1300	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0	0	126	N/A	13
4B15P	Lu Lake	1300	2024-06-01		0			0%	N/A	0	0	0	0	158	25	26
4B16P	Shedin Creek	1480	2024-06-01	60	331	55		59%	31	300	753	4	481	1270	561	26
4B17P	Tsai Creek	1360	2024-06-01	73	561	77		59%	16	609	1332	289	852	2132	947	26
4B18P	Cedar-Kiteen	885	2024-06-01	0	0			0%	N/A	0	517	0	10	622	123	23
Average					35	183	94		36%	24						

Basin Index Calculation	Average SWE	210
	Average Normal	399
Skeena-Nass Basin Index - June 1, 2024		53%

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

LIARD			June 1, 2024 Data					June 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	2024-06-01	0	0			N/A	N/A	0	0	0	0	0	N/A	6
4C01	SIKANNI LAKE	1385	NS	NS	NS	NS	NS	N/A	N/A	NS	NS	0		0	N/A	1
4C02	SUMMIT LAKE	1280	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4C05	FORT NELSON AIRPORT	380	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4C20P	Sierra Climate	572	2024-06-01	0	0			N/A	N/A	0		0	0	0	N/A	5
4C21P	Two Island Climate	708	2024-06-01	0	0			N/A	N/A	0		0	0	0	N/A	5
Average					0	0	N/A		N/A	N/A						

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Liard Basin Index - June 1, 2024		N/A

Stations used in Basin Index:
N/A

STIKINE			June 1, 2024 Data					June 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	2024-06-01		228			160%	70	112	317	0	162	510	142	24
4D11P	Kinaskan Lake	1020	2024-06-01	0				N/A	N/A	0	162	0	0	248	23	28
4D16P	Forrest Kerr Mid Elevation Snow	1192	2024-06-01		797			N/A	N/A	529	1073	50	458	1073	N/A	8
4D17P	Forrest Kerr High Elevation Snow	1622	2024-06-01		1680			N/A	N/A	1082	2052	609	1074	2052	N/A	8
Average					0	902	N/A		160%	70						

Basin Index Calculation	Average SWE	228
	Average Normal	142
Stikine Basin Index - June 1, 2024		160%

Stations used in Basin Index:
4D10P

NORTHWEST			June 1, 2024 Data					June 1, 2024 Statistics		Historic Snow Water Equivalent (SWE) Data						
Station ID	Name	Elevation (masl)	YYYY-MM-DD	Snow Depth (cm)	SWE (mm)	Density		SWE % of Normal (1991-2020)	Percentile of Historic Record	2023 SWE (mm)	2022 SWE (mm)	Minimum SWE (mm)	Median SWE (mm)	Maximum SWE (mm)	1991-2020 Normal SWE (mm)	Years of Record
						%	Code									
4E01	LOG CABIN	900	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
4E01P	Log Cabin	890	2024-06-01		45			N/A	N/A						N/A	0
4E02B	ATLIN LAKE	730	NS	NS	NS	NS	NS	N/A	N/A	NS	NS				N/A	0
			Average	N/A	45	N/A		N/A	N/A							

Basin Index Calculation	Average SWE	N/A
	Average Normal	N/A
Northwest Basin Index - June 1, 2024		N/A

Stations used in Basin Index:
N/A

BRITISH COLUMBIA

Basin Index Calculation	Average SWE	268
	Average Normal	472
British Columbia Basin Index - June 1, 2024		57%

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