

Banner

May 15, 2000**UPPER FRASER AND NECHAKO**Nechako/
Upper
Fraser[Nechako & Upper Fraser Basin Snow Survey Measurements](#)[Data Graphs](#)

While lower elevation snow is largely gone, cool weather over the last two weeks has delayed middle to upper elevation snowmelt, with some stations above 1600 metres still showing slight accumulations. As a result, the May 15 snow station index has risen in both these basins to near normal for this date.

River levels are below normal for this date. Warm weather and a rapid melt would result in rapid increases in water levels and flows.

MIDDLE AND LOWER FRASERLower
Fraser
Basin[Middle & Lower Fraser Basin Snow Survey Measurements](#)[Data Graphs](#)

Depletions in the snowpack have been considerably below normal during the past two weeks, with some stations above 1600 metres continuing to show slight accumulations. Due to the cool weather and lack of mid to upper elevation melt, the snow water equivalent index has risen to 98% of normal in the Middle Fraser, and to 115% of normal in the Lower Fraser.

While some smaller rivers in this area are near normal levels due to the brief warmth this week, the Fraser River remains well below normal levels for this date. Warm weather over the next six weeks would cause rivers to rise very rapidly.

The probability of damaging flows in the Fraser this year is lower than normal, with extreme weather patterns over the next six weeks being required to create flows close to last year's.

NORTH AND SOUTH THOMPSONThompson
Basin
Snow[Thompson Basin Snow Survey Measurements](#)[Data Graphs](#)

Temperatuures have been well below normal over the first half of May, resulting in a delay in snowmelt and some continued snow accumulation at elevations above 1600 metres. This has caused the snow water equivalent index to rise in the North Thompson from 6% above normal May 1 to 14% above normal May 15, and in the South Thompson from 16% to 26% above normal.

Flows in the Thompson River at Spences Bridge dropped to below normal for the first time since last spring due to the cool weather. With the above normal snowpacks, a rapid melt combined with a heavy rain occurring near peak snowmelt flows could bring the Thompson to damaging levels. However, the weather patterns which would be needed for that result are quite unlikely.

May 1 Volume Runoff Forecasts see May 1 Bulletin

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May 15, 2000

Snow
Survey
Measurement

[Coastal Basin Snow Survey Measurements](#)

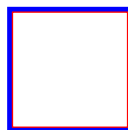
SOUTH COASTAL AND VANCOUVER ISLAND

The cool weather during the first half of May resulted in some continued accumulation of high elevation snow at some sites during the first week of May. There was also less than normal depletion of the snowpack during the second week of May, throughout the area. The snowpacks on Vancouver Island are still only normal, while the snow water equivalent index for the South Coast has risen from 100% to 117% of normal, mostly due to delay in melt not further accumulations.

Those living in flood prone areas and adjacent to snowmelt-fed creeks should be aware that any warm weather will bring streams up very rapidly as the snowpack density is quite high.

CENTRAL COAST

The very few measurements from the Central Coast region indicate the snowmelt there has also been delayed. Despite this delay, snowpacks in the Central Coast appear to be still below normal for this date.



[Data Graphs](#)

May 1 Volume Runoff Forecasts in May 1 Bulletin

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May 15, 2000**NORTHEASTERN**

NE Snow
Survey
Measureme

[Northeast Basins Snow Survey Measurements](#)

[Data Graphs](#)

The snowpack in the Peace River basin, based on the very few courses sampled, is slightly above normal for this date. A delayed snowmelt over the last two weeks has caused the slightly below normal snowpack reported May 1 to remain longer than usual.

There is insufficient data to accurately assess the Liard basin snowpack, however melt rates over the last two weeks at Deadwood River (4C09P) in the Liard and at the Log Cabin (4E01) in the Yukon show higher melt rate than normal over the last two weeks.

Current weather conditions in the Peace and Liard appear more like winter than spring, however they are predicted to warm over the next few days.

NORTHWESTERN

NW
Snow
Survey

[Northwest Basins Snow Survey Measurements](#)

[Data Graphs](#)

Snowpacks in the Skeena and Nass River basins are slightly below normal for May 15. The Stikine basin also has just below normal snowpacks for May 15. Snowpack melt has been delayed in the Skeena, Nass and Stikine basins.

River flows, as indicated by the flow in the Skeena River at Usk, are increasing but still below normal for this date. Any period of warmer weather and more rapid melt will bring river and stream levels up rapidly.

May 1 Volume Runoff Forecasts see May 1 2000 Snow Bulletin

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May 15, 2000Columbia
&
Kootenay[Columbia & Kootenay Snow Survey Measurements](#)Okanagan
Kettle
Similkame[Similkameen, Okanagan & Kettle Snow Survey Measurements](#)**UPPER AND LOWER COLUMBIA**

A very limited snow survey indicates the snowpacks in the Columbia River basin are above normal for May 15. A delayed snowmelt due to cool weather during the first half of the month has resulted in a rise in the snow water equivalent index from 109% of normal May 1 to 117% on May 15 fairly consistently throughout the area. Some snow accumulation continued at many upper elevation locations during the last two weeks.

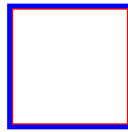
Natural flows, as indicated by the Columbia River at Donald, dropped to well below normal during the first two weeks of May due to the cooler weather. Many of the main rivers in this basin are controlled by hydro-electric dams and should not be subject to damaging flooding. However, any sustained hot spell during the next month will bring water levels in uncontrolled streams or rivers up rapidly.

Data
Graphs[Data Graph](#)**EAST AND WEST KOOTENAY**

Due to the delayed snowmelt the regional snowpack index (for the Kootenays as a whole) has risen from below normal May 1 to just above normal for May 15. This is mainly caused by a lack of melt, although there has been some continued accumulation in higher elevations.

As throughout this year, the southern and central East Kootenays have much less snow than the West Kootenays.

The last two week's flows in the Kootenay River at Fort Steele have been well below normal for this period, due to cool weather. Many of the main rivers in this region are controlled by hydro-electric dams, and should not be subject to damaging flooding. However, any sustained hot spell during the next month could bring flows in uncontrolled rivers and streams up rapidly.

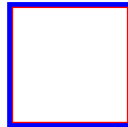
[Data Graphs](#)

OKANAGAN, KETTLE AND SIMILKAMEEN

After the faster than normal melt during April, cool weather in the first half of May has resulted in a slower than usual snowmelt during that period. For the Okanagan-Kettle basin as a whole, the snow water equivalent index has risen to 121% of normal, however the snowpack has much variation through the region. In the North Okanagan and Kettle, remaining snowpacks at higher elevations are 20 to 50% above normal, while in the south and west Okanagan snowpacks are much smaller than usual. Some accumulation of snow occurred at elevations over 1700 m during the last two weeks.

In the Similkameen, despite a delayed melt in the first half of May, the snow station index remains well below normal at 66% of normal.

Flow in the Similkameen River was well below normal during the last two weeks, due to cool weather. However, those living next to snowmelt fed rivers and streams should be aware that any sustained hot weather will bring water levels up rapidly, although in the south and west Okanagan and the Similkameen this scenario is much less likely to bring extreme flows than usual.

[Data Graphs](#)

Volume
Runoff
Forecasts

[May 1 Volume Runoff Forecasts](#)

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[Snow Pillow Information](#)



UPPER FRASER

May 15, 2000

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
UPPER FRASER											
PACIFIC LAKE	1A11	770	09	73	371	621	0	728	0	358	25
BARKERVILLE	1A03P	1520	15	-	233	450	0	503	0	282	22
MC BRIDE (UPPER)	1A02	1580	09	101	391	508	74	752	24	413	32
KNUDSEN LAKE	1A15	1580	09	188	873	1019	510	1205	359	873	25
NARROW LAKE	1A21	1650	10	208	939	1268	607	1375	489	993	25
REVOLUTION CREEK	1A17P	1690	15	-	813	856	228	1161	228	757	14
LONGWORTH (UPPER)	1A05	1740	09	198	868	984	440	1219	292	802	46
DOME MOUNTAIN	1A19	1820	09	181	762	1053	488	1168	385	859	27
YELLOWHEAD	1A01P	1860	15	-	626	825	139	825	139	430*	3
HOLMES RIVER	1A18	1900	09	206	872	952	411	1125	359	813	30
NECHAKO											
TAHTSA LAKE	1B02P	1300	15	-	1241	1765	1116	1765	732	1228*	7
MOUNT PONDOSY	1B08P	1400	15	-	543	960	524	960	314	631*	7

MOUNT WELLS	1B01P	1490	15	-	408	570	277	698	277	485	8
MIDDLE FRASER											
BOSS MOUNTAIN MINE	1C20P	1460	15	-	544	761	184	761	184	502	6
BRENDA MINE	2F18P	1460	15	No Snow		100	0	125	0	11	7
BARKERVILLE	1A03P	1520	15	-	233	450	0	503	0	282	22
MOUNT TIMOTHY	1C17	1660	10	67	245	466	22	466	0	225	31
YANKS PEAK EAST	1C41P	1670	15	-	904	1125	398	1125	398	800*	3
PENFOLD CREEK	1C23	1680	10	237	1131	1400	823	1400	585	1008	30
GREEN MOUNTAIN	1C12P	1780	15	-	823	1366	573	1366	573	900*	6
MISSION RIDGE	1C18P	1850	15	-	439	878	6	878	0	468	13
PAVILION MOUNTAIN	1C36	1960	Not Measured			-	0	308	0	189*	4

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

LOWER AND MIDDLE FRASER

May 15, 2000

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
MIDDLE FRASER											
BOSS MOUNTAIN MINE	1C20P	1460	15	-	544	761	184	761	184	502	6
BRENDA MINE	2F18P	1460	15	No Snow	100	0	125	0	11	7	
BARKERVILLE	1A03P	1520	15	-	233	450	0	503	0	282	22
MOUNT TIMOTHY	1C17	1660	10	67	245	466	22	466	0	225	31
YANKS PEAK EAST	1C41P	1670	15	-	904	1125	398	1125	398	800*	3
PENFOLD CREEK	1C23	1680	10	237	1131	1400	823	1400	585	1008	30
GREEN MOUNTAIN	1C12P	1780	15	-	823	1366	573	1366	573	900*	6
MISSION RIDGE	1C18P	1850	15	-	439	878	6	878	0	468	13
PAVILION MOUNTAIN	1C36	1960	Not Measured			-	0	308	0	189*	4
LOWER FRASER											
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			-	-	1652	1652	1652*	1
DOG MOUNTAIN	3A10	1080	15	310	1583	2920Z	703	2920Z	0	1311	15
WAHLEACH LAKE	1D09P	1400	15	-	1469	1624	683	1624	335	842*	8
CHILLIWACK RIVER	1D17P	1600	15	-	1781	-	934	1208	764	1443	5
GREAT BEAR	1D15P	1660	15	-	1901	2363	1609	2436	1181	1524	8
TENQUILLE LAKE	1D06	1680	13	243	1206	1875	958	1875	625	1182	43
SKAGIT											

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

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E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COLUMBIA

May 15, 2000

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
UPPER COLUMBIA											
AZURE RIVER	1E08P	1620	15	-	1346	1665	1009	1665	1009	1390*	3
KICKING HORSE	2A07	1650	11	76	279	354	-	521	0	230	45
MOUNT REVELSTOKE	2A06P	1830	15	-	1617	1777	827	1777	700	1221	7
NORTH CLEMINA CREEK	1E13	1860	10	242	1075	-	606	1177	536	855*	9
MOLSON CREEK	2A21P	1980	15	-	1095	1375E	710	1375E	602	1036	17
LOWER COLUMBIA											
FARRON	2B02A	1220	11	28	133	188	0	222	0	111	20
BARNES CREEK	2B06P	1620	15	-	626	761	94	761	94	429*	7
ST. LEON CREEK	2B08P	1800	15	-	1241	1568	675	1568	639	987	6
RECORD MOUNTAIN	2B09	1890	12	188	884	1367	368	1367	83	732	25
EAST CREEK	2D08P	2030	15	-	1036	1354	536	1387	461	877	18

EAST KOOTENAY											
FERNIE EAST	2C07	1250	13	No Snow		70	0	290	0	61	38
SULLIVAN MINE	2C04	1550	13	11	39	255	0	457	0	123	48
MORRISSEY RIDGE	2C09Q	1800	15	-	428	873	30	971	0	580	16
MOYIE MOUNTAIN	2C10P	1930	15	-	191	500E	15	552	0	253*	19
FLOE LAKE	2C14P	2090	15	-	979	1088	304	1088	304	597	5
WEST KOOTENAY											
CHAR CREEK	2D06	1310	15	105	463	715	26	715	0	248	30
GRAY CREEK (LOWER)	2D05	1550	15	90	408	658	-	709	0	385	47
GRAY CREEK (UPPER)	2D10	1910	15	168	803	1127	-	1194	311	770	28
EAST CREEK	2D08P	2030	15	-	1036	1354	536	1387	461	877	18
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

THOMPSON

May 15, 2000

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
NORTH THOMPSON											
COOK FORKS	1E06	1390	Not Measured		1193	274	1359	274	749	37	
BOSS MOUNTAIN MINE	1C20P	1460	15	-	544	761	184	761	184	502	6
MOUNT COOK	1E02A	1580	Not Measured		1856	953	1856	873	1292	25	
AZURE RIVER	1E08P	1620	15	-	1346	1665	1009	1665	1009	1390*	3
ADAMS RIVER	1E07	1720	14	194	900	1158	523	1158	280	745	28
KOSTAL LAKE	1E10P	1770	15	-	981	1357	752	1357	588	914	15
TROPHY MOUNTAIN	1E03A	1860	14	188	784	1114	446	1114	301	629*	18
NORTH CLEMINA CREEK	1E13	1860	10	242	1075	-	606	1177	536	855*	9
SOUTH THOMPSON											
ADAMS RIVER	1E07	1720	14	194	900	1158	523	1158	280	745	28
SILVER STAR MOUNTAIN	2F10	1840	14	194	892	1009	386	1054	100	642	41
PARK MOUNTAIN	1F03P	1890	15	-	1213	1298	584	1321	474	916	15
ENDERBY	1F04	1900	14	308	1326	1440	738	1499	662	1099	37

MIDDLE FRASER											
BOSS MOUNTAIN MINE	1C20P	1460	15	-	544	761	184	761	184	502	6
BRENDA MINE	2F18P	1460	15	No Snow		100	0	125	0	11	7
BARKERVILLE	1A03P	1520	15	-	233	450	0	503	0	282	22
MOUNT TIMOTHY	1C17	1660	10	67	245	466	22	466	0	225	31
YANKS PEAK EAST	1C41P	1670	15	-	904	1125	398	1125	398	800*	3
PENFOLD CREEK	1C23	1680	10	237	1131	1400	823	1400	585	1008	30
GREEN MOUNTAIN	1C12P	1780	15	-	823	1366	573	1366	573	900*	6
MISSION RIDGE	1C18P	1850	15	-	439	878	6	878	0	468	13
PAVILION MOUNTAIN	1C36	1960	Not Measured			-	0	308	0	189*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

OKANAGAN*May 15, 2000***Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
KETTLE											
FARRON	2B02A	1220	11	28	133	188	0	222	0	111	20
BIG WHITE MOUNTAIN	2E03	1680	13	124	514	638	130	732	0	400	34
GRANO CREEK	2E07P	1860	15	-	626	855	308	855	308	582*	2
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	11	No Snow	71	0	218	0	42	34	
VASEUX CREEK	2F20	1400	15	No Snow	0	0	80	0	9*	28	
TROUT CREEK	2F01	1430	15	No Snow	14	0	307	0	39	47	
BRENDA MINE	2F18P	1460	15	No Snow	100	0	125	0	11	7	
GREYBACK RESERVOIR	2F08	1550	15	17	56	151	0	323	0	122	28
ISINTOK LAKE	2F11	1680	12	5	20	145	0	386	0	83	34
MISSION CREEK	2F05P	1780	15	-	645	829	176	829	0	399	28
MOUNT KOBAN	2F12	1810	12	65	210	516	250	516	0	260	33
WHITEROCKS MOUNTAIN	2F09	1830	15	110	461	909	200E	968	0	402	29
SILVER STAR MOUNTAIN	2F10	1840	14	194	892	1009	386	1054	100	642	41
SIMILKAMEEN											

MISSEZULA MOUNTAIN	2G05	1550	16	No Snow		124	0	218	0	66	36
ISINTOK LAKE	2F11	1680	12	5	20	145	0	386	0	83	34
LOST HORSE MOUNTAIN	2G04	1920	15	42	154	294	18	577	4	211	36
BLACKWALL PEAK	2G03P	1940	15	-	638	1279	356	1481	208	804	32

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COASTAL*May 15, 2000***Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
SOUTH COASTAL											
PALISADE LAKE	3A09P	880	Not Available		-	-	-	-	-	-	0
DOG MOUNTAIN	3A10	1080	15	310	1583	2920Z	703	2920Z	0	1311	15
ORCHID LAKE	3A19	1190	15	403	2043	3730A	-	3730A	774	1891	20
ORCHID LAKE	3A19P	1190	Not Available		-	-	2804	828	1909*	12	
UPPER SQUAMISH RIVER	3A25P	1340	15	-	1796	-	1361	1781	949	1515	9
NOSTETUKO RIVER	3A22P	1500	15	-	485	860	-	860	21	346*	9
UPPER MOSELY CREEK	3A24P	1650	15	-	146	402	0	402	0	114	11
VANCOUVER ISLAND											
JUMP CREEK	3B23P	1160	15	-	1391	-	623	1358	251	744*	3
WOLF RIVER (UPPER)	3B17P	1490	15	-	1548	-	1567	1726	507	1318	11

NORTH COASTAL											
TAHTSA LAKE	1B02P	1300	15	-	1241	1765	1116	1765	732	1228*	7
BURNT BRIDGE CREEK	3C08P	1330	15	-	476	934	210	934	210	572*	2
SKEENA/NASS											
LU LAKE	4B15P	1310	15	-	15	225	11	225	11	118*	2
TSAI CREEK	4B17P	1360	15	-	1073	1403	953	1403	953	1178*	2
HUDSON BAY MTN.	4B03A	1480	Not Available			448	160	752	160	463	27
SHEDIN CREEK	4B16P	1480	15	-	1009	791	660	1159	660	892*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

NORTH EAST*May 15, 2000***Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
PEACE											
PACIFIC LAKE	1A11	770	09	73	371	621	0	728	0	358	25
AIKEN LAKE	4A30P	1040	15	-	52	62	0	188	0	43*	13
PULPIT LAKE	4A09P	1310	15	-	308	317	143	454	49	207*	9
PINE PASS	4A02P	1400	15	-	1067	1210	878	1471	813	1134	8
KWADACHA RIVER	4A27P	1620	15	-	409	443	-	468	109	329	14
LIARD											
DEADWOOD RIVER	4C09P	1300	15	-	15	107	0	207	0	61*	6
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											
E - ESTIMATED BASED ON AREAL AVERAGE											
* - PERIOD OF RECORD AVERAGE											

NORTH WEST

May 15, 2000

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2000	1999	1998	Max.	Min.	Normal	
STIKINE/ TAKU											
FORREST-KERR CREEK	4D08P	560	15	-	18	271	0	271	0	158*	8
KINASKAN LAKE	4D11P	1020	15	-	250	186	9	411	0	152*	9
TUMEKA CREEK	4D10P	1220	15	-	442	372	299	771	195	409	10
WADE LAKE	4D14P	1370	15	-	337	290	198	427	0	290	8
YUKON											
LOG CABIN	4E01	880	15	69	304	230	-	420	4	239*	12
SKEENA/ NASS											
LU LAKE	4B15P	1310	15	-	15	225	11	225	11	118*	2
TSAI CREEK	4B17P	1360	15	-	1073	1403	953	1403	953	1178*	2
HUDSON BAY MTN.	4B03A	1480	Not Available			448	160	752	160	463	27
SHEDIN CREEK	4B16P	1480	15	-	1009	791	660	1159	660	892*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE
