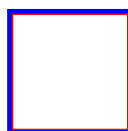


Banner

**June 1, 1998**Fraser  
Basin  
Snow[Fraser Basin Snow Survey Measurements](#)**UPPER FRASER AND NECHAKO**

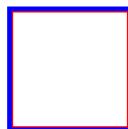
There is virtually no snow left in the upper Fraser and Nechako basins and most rivers have almost certainly peaked for the year.

The Fraser River gauge at South Fort George peaked on May 29th and, unless there is substantial rainfall in the next week or two, is unlikely to reach this level again this year.

[Data Graphs](#)**MIDDLE AND LOWER FRASER**

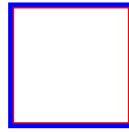
The very little remaining snow in the middle Fraser is above about the 1700 m elevation and is rapidly melting. In the lower Fraser, there is more snow and the snowline is lower. However, with the regional snow water equivalent index estimated to be 42% below normal for this date, there is insufficient snow remaining to cause damaging river levels this spring.

The Fraser River at Hope peaked at just over 6,700 cubic metres per second on June 1. Substantial rain in the next week or two could cause this level to be exceeded, but there is no likelihood of the main river coming close to damaging levels this spring.

[Data Graphs](#)**NORTH AND SOUTH THOMPSON**

The snowmelt patterns in the Thompson River basin have allowed a very orderly melt. Although the regional snowpack was close to normal at the beginning of April, it is now at 42% below normal and 47% below normal for the North and South Thompson basins, respectively.

A return of hot weather, or prolonged abnormal precipitation could bring the system to higher levels than have been observed so far this year. However, there is very little chance that the main rivers and lakes would reach damaging levels.



[Data Graphs](#)

[Fraser Hydrograph](#)

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[Bulletin Home Page](#)

[Groundwater Conditions](#)

[Snow Pillow Information](#)



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Banner

**June 1, 1998**

Columbia  
Basin  
Snow

[Columbia Basin Snow Survey Measurements](#)

### UPPER AND LOWER COLUMBIA

Temperatures during May averaged about 3°C above normal and this has melted off most of the snow with the snowline now generally above 1600 m. The below normal snowpack and the earlier than normal melt has resulted in a regional snowpack now estimated to be about 53% below normal.

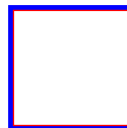
The Columbia River at Donald peaked on June 2. A return to hot weather or substantial rainfall could cause this level to be exceeded in the next week or two. However, there is virtually no chance of the main rivers reaching damaging levels this spring.

Data  
Graphs

[Data Graph](#)

### EAST AND WEST KOOTENAY

Despite rainfall estimated at about twice normal in the region during May and temperatures well above normal, the runoff in the Kootenay basin has been virtually without incident. The snowline is now close to 2000 m, which means there is very little snow left. It is unlikely that rivers will rise above levels already recorded this year.



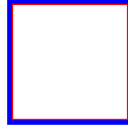
[Data Graphs](#)

### OKANAGAN, SIMILKAMEEN AND KETTLE

Throughout the region there is very little of the snowpack remaining with the snowline generally at about the 1800 m level or higher. As a result, rivers are generally expected to continue their normal summer decline unless there are extensive rains. Although Okanagan Lake has had 34 consecutive months of above normal inflow, it is very close to its normal full level and should drop gradually over the summer.

With the early melting of the snowpack, a dry summer could result in streams falling to lower than normal levels later in

the year. Storage reservoirs are close to full but those users without adequate stored water should take normal conservation measures if the summer is dry.



[Data Graphs](#)

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[Snow Pillow Information](#)



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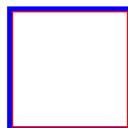
**June 1, 1998**

Snow  
Survey  
Measurements

[Coastal Basin Snow Survey Measurements](#)

### **SOUTH COASTAL AND VANCOUVER ISLAND**

Despite above normal precipitation during May, the coastal snowpack depletions were close to normal for the month and the regional snowpack remains estimated at about 30% below normal. On Vancouver Island the snowpack remains a little above normal although well below record levels. As the remaining snowpack is all at high elevations, there is no concern that there will be any flooding in the area as the result of snowmelt.



[Data Graphs](#)

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[Snow Pillow Information](#)

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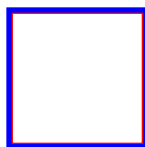
**June 1, 1998**

Snow  
Survey  
Measurements

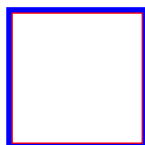
[Northern Basins Snow Survey Measurements](#)

Based on few reports, the northern portions of the province had below normal precipitation and mean temperatures about 4°C above normal during May. In the Stikine-Taku basins, no snow remained at any measured site. In other regions, there were insufficient measurements to allow accurate assessment other than to say that the snowpack is well below normal for this time of year.

Any danger of flooding from snowmelt appears to have passed.



[Northeastern Data Graphs](#)



[Northwestern Data Graphs](#)

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[Bulletin Home Page](#)

[Groundwater Conditions](#)

[Snow Pillow Information](#)



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**FRASER**

June 1, 1998

**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1998	1997	1996	Max.	Min.	Normal	
<b>UPPER FRASER</b>											
PACIFIC LAKE	1A11	770	28	No Snow	348	0	348	0	73*	24	
BIRD CREEK	1A23	1180	04	No Snow	0Z	0	0Z	0Z	-	4	
BARKERVILLE	1A03	1520	31	No Snow	-	0	417	0	145	46	
BARKERVILLE	1A03P	1520	01	No Snow	0	-	291	0	120	14	
MC BRIDE (UPPER)	1A02	1580	28	No Snow	129	232	592	0	266	30	
KNUDSEN LAKE	1A15	1580	28	No Snow	787	673	1039	0	762	23	
NARROW LAKE	1A21	1650	28	21	116	1007	724	1339	297	855	24
REVOLUTION CREEK	1A17P	1690	01	No Snow	508	682	820	0	514	13	
LONGWORTH (UPPER)	1A05	1740	28	No Snow	956	686	1194	0	630	41	
DOMM MOUNTAIN	1A19	1820	28	No Snow	785	644	1062	0	760	26	
YELLOWHEAD	1A01P	1860	01	No Snow	233	-	233	233	233*	1	
HOLMES RIVER	1A18	1900	28	18	84	766	-	1029	224	748	27
<b>NECHAKO</b>											
SKINS LAKE	1B05	880	04	No Snow	0Z	0	0Z	0Z	-	9	
TAHTSA LAKE	1B02	1300	04	101	551	1133	1164	1651	535	971	23
TAHTSA LAKE	1B02P	1300	01	-	652	1140	-	1140	277	791*	5
KIDPRICE LAKE	4B01	1370	04	No Snow	805Z	974	1209	70	680	23	
MOUNT PONDOSY	1B08P	1400	01	No Snow	424	-	424	0	211*	5	



MOUNT WELLS	1B01	1490	04	No Snow	479B	488	488	0	238	21	
MOUNT WELLS	1B01P	1490	01	No Snow	418	463	463	0	298	6	
NUTLI LAKE	1B07	1490	04	No Snow	418B	594	594	0	217*	7	
MOUNT SWANNELL	1B06	1620	04	No Snow	350Z	240	350Z	0	88*	9	
<b>MIDDLE FRASER</b>											
BOSS MOUNTAIN MINE	1C20P	1460	01	No Snow	116	435	435	0	248	4	
BRENDA MINE	2F18P	1460	01	No Snow	0	0	0	0	-	5	
BARKERVILLE	1A03	1520	31	No Snow	-	0	417	0	145	46	
BARKERVILLE	1A03P	1520	01	No Snow	0	-	291	0	120	14	
MOUNT TIMOTHY	1C17	1660	29	No Snow	0	130	325	0	58*	30	
YANKS PEAK EAST	1C41P	1670	Not Measured			555	-	555	555	555*	1
PENFOLD CREEK	1C23	1680	28	82	460	972	1068	1179	353	849	27
GREEN MOUNTAIN	1C12P	1780	01	-	229	753	887	887	330	608*	4
MISSION RIDGE	1C18P	1850	01	No Snow	70	198	314	0	151	10	
<b>LOWER FRASER</b>											
DISAPPOINTMENT LAKE	1D18P	1040	Not Measured			-	-	1087	1087	1087	1
CALLAGHAN CREEK	3A20	1040	02	14	80	78	24	1128	0	424	14
DOG MOUNTAIN	3A10	1080	28	91	520	885	153	1115	56	999	11
BEAVER PASS	WA12	1120	01	33	180	714	132	714	0	280*	4
WAHLEACH LAKE	1D09P	1400	01	-	488	1006	747	1006	0	381*	5
CHILLIWACK RIVER	1D17P	1600	01	-	841	-	1099	1099	237	905	3
GREAT BEAR	1D15P	1660	01	-	1226	2007	1791	2007	908	1179	6
TENQUILLE LAKE	1D06	1680	Not Available			1100	1092	1654	365	1030	42
<b>NORTH THOMPSON</b>											
COOK FORKS	1E06	1390	31	No Snow	554	570	1026	0	458	35	

BOSS MOUNTAIN MINE	1C20P	1460	01	No Snow		116	435	435	0	248	4
MOUNT COOK	1E02A	1580	31	122	619	1231	1512	1575	377	1125	24
AZURE RIVER	1E08P	1620	01	-	530	1283	-	1283	1283	1283	1
ADAMS RIVER	1E07	1720	29	58	290	659	810	1123	0	645	28
KOSTAL LAKE	1E10P	1770	01	-	408	914	1113	1113	155	753	13
NORTH CLEMINA CREEK	1E13	1860	28	79	393	862	1058	1058	318	767*	9
<b>SOUTH THOMPSON</b>											
ADAMS RIVER	1E07	1720	29	58	290	659	810	1123	0	645	28
SILVER STAR MOUNTAIN	2F10	1840	28	51	250	631	841	980	0	409	39
PARK MOUNTAIN	1F03P	1890	01	-	296	1152	1228	1228	299	811	12
ENDERBY	1F04	1900	30	112	549	1157	1280	1422	430	985	34
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											

# COLUMBIA

*June 1, 1998*

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1998	1997	1996	Max.	Min.	Normal	
<b>UPPER COLUMBIA</b>											
AZURE RIVER	1E08P	1620	01	-	530	1283	-	1283	1283	1283	1
MOUNT REVELSTOKE	2A06P	1830	01	-	562	1200	1631	1631	240	995	5
NORTH CLEMINA CREEK	1E13	1860	28	79	393	862	1058	1058	318	767*	9
MOLSON CREEK	2A21P	1980	01	-	249	928	-	1026	98	796	14
BOW SUMMIT II	AL07A	2080	27	No Snow	254	-	414	0	167*	16	
<b>LOWER COLUMBIA</b>											
BARNES CREEK	2B06P	1620	01	No Snow	255	529	529	0	157*	5	
ST. LEON CREEK	2B08P	1800	01	-	398	930	-	930	225	647	4
RECORD MOUNTAIN	2B09	1890	30	48	188	827	752	916	0	526	23
EAST CREEK	2D08P	2030	01	-	333	806	1144	1238	111	673	15
<b>EAST KOOTENAY</b>											
SULLIVAN MINE	2C04	1550	29	No Snow	52	-	137	0	22*	15	

MORRISSEY RIDGE	2C09Q	1800	01	-	26	-	767	767	0	325	13
RED MOUNTAIN	MT04	1830	01	No Snow		190	287	559	0B	137*	34
MOYIE MOUNTAIN	2C10P	1930	01	No Snow		-	-	438	0	81*	12
MOYIE MOUNTAIN	2C10	1940	26	No Snow		328	401	630	0	179	26
FLOE LAKE	2C14P	2090	01	-	98	724	975	975	112	342	3
HIGHWOOD SUMMIT (BUSH)	AL02	2210	29	35	89	485	635	660	114	373*	17
SUNSHINE VILLAGE	AL05	2230	27	31	107	612	798	902	119	520*	13
<b>WEST KOOTENAY</b>											
GRAY CREEK (LOWER)	2D05	1550	Not Measured			393	280	551	0	200	49
GRAY CREEK (UPPER)	2D10	1910	Not Measured			696	871	1120	0	555	29
EAST CREEK	2D08P	2030	01	-	333	806	1144	1238	111	673	15
<b>KETTLE</b>											
BIG WHITE MOUNTAIN	2E03	1680	31	1	5A	274	436	658	0	194	32
GRANO CREEK	2E07P	1860	01	-	11	-	-	-	-	-	0
<b>OKANAGAN</b>											
BRENDA MINE	2F18P	1460	01	No Snow		0	0	0	0	-	5
MISSION CREEK	2F05P	1780	01	No Snow		-	475	615	0	209	26
MOUNT KOBAU	2F12	1810	31	20	102	128	284	488	0	128	32
WHITEROCKS MOUNTAIN	2F09	1830	29	No Snow		118	369	848	0	167	26
SILVER STAR MOUNTAIN	2F10	1840	28	51	250	631	841	980	0	409	39
<b>SIMILKAMEEN</b>											

<b>FREEZEOUT CREEK TRAIL</b>	WA11	1070	01	No Snow		15	0	15	0	3*	5
<b>BLACKWALL PEAK</b>	2G03P	1940	01	-	180	713	840	1253	0	607	30
<b>HARTS PASS</b>	WA09	1980	02	104	582	1323	1118	1323	406	961*	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

# COASTAL

*June 1, 1998*

## Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1998	1997	1996	Max.	Min.	Normal	
<b>SOUTH COASTAL</b>											
PALISADE LAKE	3A09	880	28	62	350	-	-	-	-	-	0
PALISADE LAKE	3A09P	880	Not Measured			-	-	-	-	-	0
CALLAGHAN CREEK	3A20	1040	02	14	80	78	24	1128	0	424	14
DOG MOUNTAIN	3A10	1080	28	91	520	885	153	1115	56	999	11
ORCHID LAKE	3A19	1190	28	233	1180	1598	1074	2190	174	1593	19
ORCHID LAKE	3A19P	1190	Not Measured			-	-	2463	124	1536	11
UPPER SQUAMISH RIVER	3A25P	1340	01	200	1058	1358	1121	1485	634	1246	8
NOSTETUKO RIVER	3A22P	1500	Not Measured			0	67	67	0	17*	8
UPPER MOSELY CREEK	3A24P	1650	01	No Snow		0	204	204	0	23*	9
<b>VANCOUVER ISLAND</b>											
TENNENT LAKE	3B22	950	Not Available			572Z	-	712	0	232*	10

JUMP CREEK	3B23P	1160	01	-	131	701	0	701	0	351*	2
WOLF RIVER (UPPER)	3B17P	1490	01	-	1329	1030	878	1260	305	1119	10
<b>NORTH COASTAL</b>											
TAHTSA LAKE	1B02	1300	04	101	551	1133	1164	1651	535	971	23
TAHTSA LAKE	1B02P	1300	01	-	652	1140	-	1140	277	791*	5
BURNT BRIDGE CREEK	3C08P	1330	01	No Snow		-	-	-	-	-	0
<b>SKAGIT</b>											
FREEZEOUT CREEK TRAIL	WA11	1070	01	No Snow		15	0	15	0	3*	5
BEAVER PASS	WA12	1120	01	33	180	714	132	714	0	280*	4
HARTS PASS	WA09	1980	02	104	582	1323	1118	1323	406	961*	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**

June 1, 1998

**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1998	1997	1996	Max.	Min.	Normal	
<b>PEACE</b>											
PACIFIC LAKE	1A11	770	28	No Snow	348	0	348	0	73*	24	
AIKEN LAKE	4A30P	1040	01	No Snow	0	0	0	0	-	11	
PULPIT LAKE	4A09P	1310	01	No Snow	0	146	146	0	21*	7	
PINE PASS	4A02P	1400	01	-	183	997	-	997	466	871	5
KWADACHA RIVER	4A27P	1620	Not Measured			208	389	409	0	211	11
<b>SKEENA/ NASS</b>											
LU LAKE	4B15P	1310	01	No Snow	-	-	-	-	-	0	
TSAI CREEK	4B17P	1360	01	-	371	-	-	-	-	0	
KIDPRICE LAKE	4B01	1370	04	No Snow	805Z	974	1209	70	680	23	
HUDSON BAY MTN.	4B03A	1480	Not Available			380Z	447	729	0	323	26
SHEDIN CREEK	4B16P	1480	01	-	98	536	945	945	536	741*	2
<b>LIARD</b>											
BLUFF CREEK	4C11P	1040	Not Measured			-	24	24	0	6*	4
DEADWOOD RIVER	4C09P	1300	01	No Snow	0	0	0	0	-	4	



<b>STIKINE/ TAKU</b>										
SPEEL RIVER	AK03	80	01	No Snow	0	-	884	0	199*	14
FORREST- KERR CREEK	4D08P	560	01	No Snow	0	0	135	0	19*	7
KINASKAN LAKE	4D11P	1020	01	No Snow	0	0	83	0	12*	7
TUMEKA CREEK	4D10P	1220	01	No Snow	0	274	488	0	89	8
WADE LAKE	4D14P	1370	01	No Snow	-	204	204	0	90	6
UPPER STIKINE	4D13P	1450	01	No Snow	12	351	424	0	145*	8

**YUKON**

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