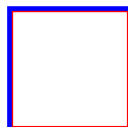


Banner

May 1, 1999Fraser
Basin
Snow[Fraser Basin Snow Survey Measurements](#)**UPPER FRASER AND NECHAKO**

Near normal temperatures and precipitation in the upper Fraser during April has resulted in little change in the snow pack in the basin. While some melting has occurred at lower elevations, there has been little melting of the high level snowpack. The regional snow water equivalent index remains about 8% above normal. In the Nechako basin the regional index has dropped from 26% above normal at the beginning of April to 19% above normal now.

A rapid melt could result in river levels in the upper Fraser rising quite rapidly, but it seems unlikely that water levels will reach damaging flood levels along the main rivers in the area.

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

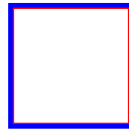
Mean monthly temperatures as measured at Environment Canada's weather stations indicate that temperatures in April were very close to normal. Precipitation, based on relatively few readings, is estimated to have been about half normal during the month. The lack of any sustained warm weather has meant that the snowmelt has not been as great as normal and the snowpacks remain substantially above normal for this date.

In the middle Fraser, Horsefly Mountain (1C13A) in the headwaters of the Quesnel River, equals its old record set in 1972. In the lower Fraser several snow courses report new record high readings. For example, Nahatlatch River (1D10) reports a water equivalent 15% greater than previously recorded in 31 years of record. The regional water equivalent indices for the middle and lower Fraser are estimated to be 42% and 63% above normal for this date.

The potential for flooding along the main stem of the Fraser remains high and a rapid warming could result in rapid increases in water levels and velocities. While it is possible that flows similar to those recorded in 1948 could occur, it would only be as the result of very abnormal weather patterns and would probably not result in widespread damage as the dikes are of a much higher caliber than they were in 1948. Thus, the probability of areas behind dikes built to provincial standards becoming inundated is considered to be low.

The mean monthly flow in the Fraser River at Hope for April was about 21% above average as some of the lower

elevation snow melted off. The volume forecast for the period May through September is for 19% greater than normal.



[Data Graphs](#)

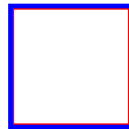
NORTH AND SOUTH THOMPSON

Near normal temperatures and precipitation varying from near normal in the north Thompson to 40% below normal in the South Thompson has resulted in a snowpack that, expressed as a percentage of the normal amount, has decreased since the beginning of April. The regional snowpack indices for the North and South basins are now estimated to be 34% and 35% above normal compared to 38% and 46%, respectively, a month ago.

Several of the higher elevation snow courses in the North Thompson basin report record snowpack levels for this date. For example, Azure River (1E08) which has 29 years of May 1st measurements has 36 mm more water than its previous (1972) record. In the South Thompson no new records are set although many of the higher elevation snow courses are not much below their highest recorded values.

The high snowpack in the basin means that there is the potential for damaging flooding in flood-prone areas throughout the basin. A gradual melt would probably result in high river levels, but little damage while a very rapid melt could cause a rapid rise in river levels to damaging stages.

The melting of some of the low elevation snow in the basin is evident in the flow of the Thompson River near Spences Bridge which averaged 34% greater than normal during April.



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May 1, 1999

Columbia
Basin
Snow

[Columbia Basin Snow Survey Measurements](#)

UPPER AND LOWER COLUMBIA

Valley-bottom precipitation during April is reported to have been very near normal, but seasonal totals since November remain well above normal. Temperatures during April were near normal. The overall snowpack water equivalent index is slightly lower than that reported a month ago at 29% above normal for this sampling period.

As reported last month, an analysis of the snow distribution shows that there is quite a difference between the eastern and western portions of the basin, although this pattern is less pronounced than it was a month ago. In the eastern portions along the Rocky Mountains, the snowpack is generally only a little above normal, while some snowcourses in the Selkirk Mountains in the Revelstoke area are still setting new record high readings.

Many of the main rivers in this basin are controlled by hydro-electric dams and should not be subject to damaging flooding. However, uncontrolled streams and rivers, particularly in the western parts of the basin, could see high water levels if there is a rapid melt.

April through September volume inflow forecast for the Columbia at Donald is for 17% above normal while that for the Columbia at Birchbank is for 21% above normal.

Data
Graphs

[Data Graph](#)

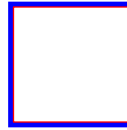
EAST AND WEST KOOTENAY

Due to a slower than normal snowmelt, there has been an increase in the regional snowpack index for the Kootenay basin since last month and the index is now estimated to be 38% above normal, compared to 34% above normal at the beginning of April.

As noted for the Columbia basin, there appears to be quite a variation from east to west across the region with the snowpack being near normal in the Elk valley but close to record levels in the West Kootenays. For example, the relatively low-level Sinclair Pass snowcourse (2C01) reports only 98% of its normal snowpack for this date while Ferguson snowcourse (2D02) in the West Kootenays reports a 53-year record high water equivalent, 80% above normal.

The April through September volume forecasts for Moyie River near Eastport in the East Kootenays is for 11% above normal while the equivalent number for the Slocan River in the West Kootenays is for 35% above normal.

As noted above, many of the main rivers in this basin are controlled by hydro-electric dams and should not be subject to damaging flooding. However, uncontrolled streams and rivers, particularly in the western parts of the basin, could see high water levels if there is a rapid melt.



[Data Graphs](#)

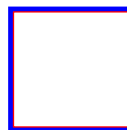
OKANAGAN, KETTLE AND SIMILKAMEEN

Expressed as a percentage of normal the regional snow water equivalent index in the Okanagan-Kettle region is still estimated at 40% above normal. This is about 10% less than was reported in 1972 and 1974 (high runoff years) but 13% greater than that reported in 1997, a very high runoff year. In the Similkameen the regional index has again dropped, from 37% to 31% above normal, during the past month. This is considerably less than previously recorded maximum amounts, but high enough to cause damaging river levels if there is a rapid melt.

In the Kettle basin, the snowpack below about 1400 meters elevation is close to normal, with snow melt nearly completed. However, above this elevation it is still well above normal. A rapid melt could result in high river flows in the Kettle River basin.

Releases from Okanagan Lake dam in Penticton have been high all spring, and despite nearly twice the normal inflows during the month of April the lake is lower than normal in anticipation of runoff 40% greater than normal in the April-July period. Unless the runoff is very early or there are significant rainfalls, there should be sufficient storage in Okanagan Lake that the normal upper level is not exceeded. High flows in Okanagan River can be anticipated for at least the next six to eight weeks.

Those living adjacent to snowmelt fed rivers and lakes should be aware that warm weather can cause rapid rises in water levels and that, with the above normal snowpack reported this year, this is a more likely scenario than many other years.



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May 1, 1999

Snow
Survey
Measureme

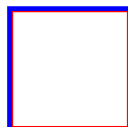
[Coastal Basin Snow Survey Measurements](#)

SOUTH COASTAL AND VANCOUVER ISLAND

South Coast and Vancouver Island Region snowpack continues to be very high and most reporting snow courses still have record water content. Interestingly, most of the snow depths are significantly shallower than last month even though the water content may be higher, as the snowpack matures and settles.

Regional precipitation was below normal for April, but seasonal totals since November remain well above normal. Temperatures for April were a little above normal.

Regional runoff as represented by inflow to Upper Campbell Lake on Vancouver Island was near normal for April. Based on the existing snowpack and assuming normal weather for the period, snowmelt runoff volume for May-July is expected to be 170% of normal. Peak flows may be higher than normal springtime flows, depending on the weather, and freshet runoff will continue for longer. However, it is unlikely that peak flows from snowmelt will exceed the extreme peaks that occur in the fall rainstorm events.



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Snow
Survey
Measurements

[Northern Basins Snow Survey Measurements](#)

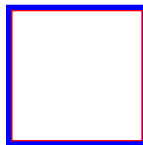
NORTHEASTERN

May 1 snow surveys in the Peace region show that the lower elevation snowpack is beginning to melt off. Some higher snow courses to the south and west of Williston Lake continue to be above normal water content, but the overall basin snowpack is near normal.

In the Liard basin, the two snowcourses in the Yukon both continue to report above normal for this date, but this is still not that much snow/water content. The rest of the basin has lost much of the lower elevation snow, while the long term Sikanni Lake snowcourse at the southern edge reports 90% of normal water equivalent.

Precipitation measured at the few weather stations in northeast BC was near normal in April, with overall seasonal totals since November just above normal in the Peace and near normal in the Liard. April mean temperatures were a bit above normal.

April inflow to Williston Lake was 59% above normal. Runoff volume to the end of September is forecast to be 105% of normal in the Peace, and somewhat lower in the Liard. Volume forecasts assume normal temperatures and rainfall during the forecast period.

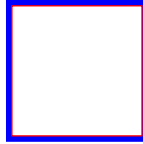


[Data Graphs](#)

NORTHWESTERN

The month of April had normal depletion of the snowpack in northwestern BC. The May 1 snowpack in the Skeena-Nass Region continues to be slightly above average, while the Stikine basin continues to have a below normal snowpack. Precipitation at weather stations was highly variable in different parts of the region, but below normal overall during April. The total precipitation since November is just normal after much variability over this period. Mean monthly temperatures for March were just above normal.

Regional runoff is indicated by the Skeena River at Usk, which was 131% of normal for April. Seasonal runoff through September is forecast to be normal, assuming also normal weather during that period.



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FRASER

May 1, 1999

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1999	1998	1997	Max.	Min.	Normal	
UPPER FRASER											
PRINCE GEORGE A	1A10	690	29	NO SNOW	-	-	216	0	9*	34	
PACIFIC LAKE	1A11	770	27	156	691	298	735	950	93	558	34
BURNS LAKE	1A16	800	05	NO SNOW	-	76	148	0	12*	28	
CANOE RIVER	2A01A	910	26	NO SNOW	-	-	147	0	24*	19	
PHILIP LAKE	4A13	980	28	59	240	132	329	406	0	228	35
HEDRICK LAKE	1A14	1100	27	186	876	458	870	1090A	263	682	32
BIRD CREEK	1A23	1180	30	15	54	0	0Z	82	0	19*	9
KAZA LAKE	1A12	1190	28	81	307	294	375	470	201	337	33
LU LAKE	4B15	1300	27	76	280	196E	444	444	180	279	19
FORFAR CREEK (UPPER)	1A24	1410	28	143	616	542	790	790	462	622*	5
EQUITY MINE	4B14	1420	27	88	326	310	620	620	212	345	21
MOUNT SHEBA	4A18	1490	27	229	1081	718	1251	1251	503	865	30
BARKERVILLE	1A03	1520	28	103	467	116	-	599	116	378	47
BARKERVILLE	1A03P	1520	01	-	458	240	439	604	169	376	22
MC BRIDE (UPPER)	1A02	1580	26	129	483	302	445	790	241	476	31
KNUDSEN LAKE	1A15	1580	27	210	952	721	913	1346A	501	918	30
NARROW LAKE	1A21	1650	28	258	1210	807	1266	1414	648	1015	24
REVOLUTION CREEK	1A17P	1690	01	-	874	517	861	1211	517	877	13
LONGWORTH (UPPER)	1A05	1740	27	196	876	644	1132	1476A	391	861	46

DOME MOUNTAIN	1A19	1820	26	224	987	632	897	1138	452	889	26
MARMOT JASPER	AL12	1830	29	86	305	135	249	401	0	230*	27
YELLOWHEAD	1A01	1860	26	155	680	324	594	805A	318	547	48
YELLOWHEAD	1A01P	1860	01	-	836	401	364	401	364	383*	2
HOLMES RIVER	1A18	1900	26	220	876	575	853	1140	518	838	28
NECHAKO											
SKINS LAKE	1B05	880	30	NO SNOW		0	OZ	100	0	6*	30
TAHTSA LAKE	1B02	1300	30	310	1544	1102	1424	1770	701	1202	47
TAHTSA LAKE	1B02P	1300	01	-	1753	1375	1658	1658	866	1308*	6
KIDPRICE LAKE	4B01	1370	30	212	1067	732	1173	1367	551	919	47
MOUNT PONDOSY	1B08P	1400	01	-	969	796	1021	1021	546	783*	6
MOUNT WELLS	1B01	1490	30	120	535	316	640	958	309	530	44
MOUNT WELLS	1B01P	1490	01	-	558	475	792	792	475	590	7
NUTLI LAKE	1B07	1490	30	114	504	331	660	693	331	524*	8
MOUNT SWANNELL	1B06	1620	30	101	409	109	406Z	450	109	286*	10
MIDDLE FRASER											
BROOKMERE	1C01	980	29	55	195	34	238	419	0	117	52
NAZKO	1C08	1070	05	NO SNOW		-	-	46	0	4*	19
BIG CREEK	1C21	1140	25	NO SNOW		-	-	48	0	24*	2
GRANITE MOUNTAIN	1C33	1150	30	13	50	0	75	75	0	20*	6
LAC LE JEUNE (LOWER)	1C07	1370	29	21	73	5	60	163	0	23*	41
CONANT LAKE	1C31	1370	28	38	156	96	158	223	0	121	17
BRIDGE GLACIER (LOWER)	1C39	1400	26	221	1018	612	708	708	612	671*	3
DEADMAN RIVER	1C32	1430	28	32	93	6	39	121	0	58	15
BRALORNE	1C14	1450	26	61	255	0	142	218	0	76	35
SHOVELNOSE MOUNTAIN	1C29	1450	28	61	274	157	198	302	0	137	19
BONAPARTE LAKE	1C34	1450	28	105	540	270A	378	378	250	306*	6
BOSS MOUNTAIN MINE	1C20P	1460	01	-	829	491	746	810	473	617	5

BRENDA MINE	2F18	1460	28	67	287	228	344	526	0	234	30
BRENDA MINE	2F18P	1460	01	-	222	99	273	279	0	179	6
LAC LE JEUNE (UPPER)	1C25	1460	29	36	136	29	94	117A	0	27*	26
HIGHLAND VALLEY	1C09A	1510	28	30	74	0	132	142	0	32	33
BARKERVILLE	1A03	1520	28	103	467	116	-	599	116	378	47
BARKERVILLE	1A03P	1520	01	-	458	240	439	604	169	376	22
HORSEFLY MOUNTAIN	1C13A	1550	25	140	676	274	590	676	136	430	28
GNAWED MOUNTAIN	1C19	1580	28	46	120	38	152	241	0	102	31
GREEN MOUNTAIN	1C12	1630	Not Measured			-	783	1234	320	687	33
MOUNT TIMOTHY	1C17	1660	27	110	471	184	371	536	118	311	36
YANKS PEAK EAST	1C41P	1670	01	-	1039	724	1024	1024	724	874*	2
PENFOLD CREEK	1C23	1680	28	284	1343	1037	1258	1420	796	1074	26
YANKS PEAK	1C24	1710	28	219	1065	674	992	1057	500	821	27
GREEN MOUNTAIN	1C12P	1780	01	-	1341	820	1088	1088	807	962*	5
MCGILLIVRAY PASS	1C05	1800	26	188	918	504	754	1118	302	614	46
MISSION RIDGE	1C18P	1850	01	-	963	326	613	877	313	592	12
DOWNTON LAKE (UPPER)	1C38	1890	26	286	1340	860	914	1018	860	931*	3
TYAUGHTON CREEK (NORTH)	1C40	1950	26	163	806	312	544	544	312	444*	3
PAVILION MOUNTAIN	1C36	1960	29	120	292	238	-	240	196	225*	3
BRALORNE (UPPER)	1C37	1980	26	212	1002	548	868	868	548	746*	3
LOWER FRASER											
SUMMALLO RIVER WEST	3D01C	790	02	43	162	0	348	348	0	50*	7
BROOKMERE	1C01	980	29	55	195	34	238	419	0	117	52

DISAPPOINTMENT LAKE	1D18P	1040	Not Available			-	-	1920	1920	1920*	1
CALLAGHAN CREEK	3A20	1040	01	306	1568	650	990	1565	256	933	21
DICKSON LAKE	1D16	1070	28	595	3182	1420	2140	2140	604	1297*	8
DOG MOUNTAIN	3A10	1080	30	530	2860	973	1475	1475	122	1384	15
BEAVER PASS	WA12	1120	29	315	1600	569	1074	1590	135	759*	50
KLESILKWA	3D03A	1130	28	97	444	0	349	752	0	176	26
STAVE LAKE	1D08	1210	28	600	3120	1520	1780	2695	796	1747	32
WAHLEACH LAKE	1D09	1400	28	238	1002	624	885	1417	177	735	32
WAHLEACH LAKE	1D09P	1400	01	-	1582	988	1585	1585	509	915*	7
NAHATLATCH RIVER	1D10	1520	28	533	2720	1321	1514	2362	940	1539	31
EASY PASS	WA13	1580	Not Available			-	-	3414	1072	2195*	28
CHILLIWACK RIVER	1D17P	1600	27	464	2405P	1223	1780E	1780E	925	1660	6
GREAT BEAR	1D15	1660	28	485	2444	-	-	2166	1070	1478*	11
GREAT BEAR	1D15P	1660	01	-	2314	1634	2487	2487	1370	1674	7
TENQUILLE LAKE	1D06	1680	01	350	1762	1085	1448	1814	676	1227	42
NORTH THOMPSON											
BLUE RIVER	1E01B	670	04	23	98	0	265	265	0	21*	16
COOK FORKS	1E06	1390	30	263	1309	691	1018	1438	579	904	35
BOSS MOUNTAIN MINE	1C20P	1460	01	-	829	491	746	810	473	617	5
MOUNT COOK	1E02A	1580	30	367	1758	1283	1539	1615	927	1339	25
AZURE RIVER	1E08	1620	28	314	1527	1108	1329	1491	766	1120	29
AZURE RIVER	1E08P	1620	01	-	1620	1208	1459	1459	1208	1334*	2
ADAMS RIVER	1E07	1720	29	248	1089	742	839	1173	396	793	28
KOSTAL LAKE	1E10P	1770	01	-	1256	911	1100	1100	733	921	14
TROPHY MOUNTAIN	1E03A	1860	30	220	960	616	694	803	417	604	23
NORTH CLEMINA CREEK	1E13	1860	28	258	1099	756	879	1115	579	877*	10
SOUTH THOMPSON											

ANGLEMONT	1F02	1190	04	50	243	70E	496	496	0	233	41
ABERDEEN LAKE	1F01A	1310	27	NO SNOW		0	77	144	0	37	45
MONASHEE PASS	2E01	1370	28	83	356	231	442	505	67	305	41
BOULEAU LAKE	2F21	1400	25	96	396	182	384	488	95	320	27
ADAMS RIVER	1E07	1720	29	248	1089	742	839	1173	396	793	28
KIRBYVILLE LAKE	2A25	1750	29	353	1797	1092	1422	1793	770	1233	27
SILVER STAR MOUNTAIN	2F10	1840	29	206	954	653	925	1135	371	733	40
PARK MOUNTAIN	1F03P	1890	01	-	1247	782	1343	1343	653	956	14
ENDERBY	1F04	1900	27	312	1403	1000	1430	1430	700	1085	36

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*May 1, 1999***Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1999	1998	1997	Max.	Min.	Normal	
SOUTH COASTAL											
PALISADE LAKE	3A09	880	29	666	3598	1100	1533Z	2852	0	1595	46
PALISADE LAKE	3A09P	880	Not Available			-	-	-	-	-	0
CHAPMAN CREEK	3A26	1022	Not Measured			1430	1506Z	1710	756	1254*	6
CALLAGHAN CREEK	3A20	1040	01	306	1568	650	990	1565	256	933	21
DOG MOUNTAIN	3A10	1080	30	530	2860	973	1475	1475	122	1384	15
GROUSE MOUNTAIN	3A01	1100	27	564	2866	1136	1614	2426	120	1303	49
ORCHID LAKE	3A19	1190	28	712	3855A	1907	1985	3721A	900	2210	26
ORCHID LAKE	3A19P	1190	27	-	3862	-	-	2889	1058	2000*	13
UPPER SQUAMISH RIVER	3A25P	1340	30	563	2760P	1571	1766	1886	1153	1647	9
NOSTETUKO RIVER	3A22P	1500	01	-	917	-	549	780	207	494*	8
UPPER MOSELY CREEK	3A24P	1650	01	-	372	143	226	494	143	240	10

VANCOUVER ISLAND											
ELK RIVER	3B04	270	29	NO SNOW		0	0	0	0	-	21
WOLF RIVER (LOWER)	3B19	640	29	221	1118	154	196	798	0	224	29
TENNENT LAKE	3B22	950	Not Available			920E	1238Z	1238Z	0	998	14
UPPER THELWOOD LAKE	3B10	980	29	647	3727	1660	1822	2766	644	1672	38
MARGARET LAKE	3B21	1040	26	699	3840A	2180A	1974	2740	632	2013	23
WOLF RIVER (MIDDLE)	3B18	1070	29	357	1652	788	634	1229	0	611	28
FORBIDDEN PLATEAU	3B01	1130	29	672	3598	1805	1595	2728	448	1688	42
JUMP CREEK	3B23P	1160	Not Measured			1043	1545	1545	360	983*	3
MOUNT COKELY	3B02A	1190	28	440	2062	904	948	1494	274	912	19
SPROAT LAKE	3B20	1220	26	719	3810A	1810A	1955	2415	613	1746	23
SNO-BIRD LAKE	3B16	1400	28	600	3030	1417	1655	2367	294	1395	32
WOLF RIVER (UPPER)	3B17P	1490	Not Measured			1847	1420	1888	701	1388	11
NORTH COASTAL											
WEDEENE RIVER SOUTH	3C07	300	27	136	599	0	249	249	0	69*	14
TAHTSA LAKE	1B02	1300	30	310	1544	1102	1424	1770	701	1202	47
TAHTSA LAKE	1B02P	1300	01	-	1753	1375	1658	1658	866	1308*	6
BURNT BRIDGE CREEK	3C08P	1330	01	-	983	589	-	589	589	589*	1
SKAGIT											

SUMALLO RIVER WEST	3D01C	790	02	43	162	0	348	348	0	50*	7
FREEZEOUT CREEK TRAIL	WA11	1070	30	102	356	99	348	658	0	182*	47
BEAVER PASS	WA12	1120	29	315	1600	569	1074	1590	135	759*	50
KLESILKWA	3D03A	1130	28	97	444	0	349	752	0	176	26
LIGHTNING LAKE	3D02	1220	28	115	484	184	429	599	24	255	27
HARTS PASS	WA09	1980	28	340	1717	1044	1425	1847	531	1156*	55

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

COLUMBIA*May 1, 1999***Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1999	1998	1997	Max.	Min.	Normal	
UPPER COLUMBIA											
CANOE RIVER	2A01A	910	26	NO SNOW	-	-	147	0	24*	19	
DOWNIE SLIDE (LOWER)	2A27	980	29	184	900	350	910	910	0	638	22
GLACIER	2A02	1250	01	175	865	511	820	1247	320	719	53
FIELD	2A03A	1280	29	8	30	0	119	178	0	28	46
SUNWAPTA FALLS	AL11	1400	29	68	208	36	172	389	0	147*	28
VERMONT CREEK	2A19	1520	27	123	555	295	477	1026	140	447	33
AZURE RIVER	1E08	1620	28	314	1527	1108	1329	1491	766	1120	29
AZURE RIVER	1E08P	1620	01	-	1620	1208	1459	1459	1208	1334*	2
DOWNIE SLIDE (UPPER)	2A29	1630	29	429	2190A	1230	1744	1744	886	1314	20
KICKING HORSE	2A07	1650	29	97	381	228	406	589	63	324	52
KIRBYVILLE LAKE	2A25	1750	29	353	1797	1092	1422	1793	770	1233	27
MOUNT REVELSTOKE	2A06P	1830	01	-	1625	1072	1306	1502	874	1324	6
NORTH CLEMINA CREEK	1E13	1860	28	258	1099	756	879	1115	579	877*	10

FIDELITY MOUNTAIN	2A17	1870	01	312	1648	1063	1514	1986	817	1347	36
BEAVERFOOT	2A11	1890	28	69	234	135	300	495	66A	225	38
KEYSTONE CREEK	2A18	1890	29	297	1421	667	974	1372	565	879	33
GOLDSTREAM	2A16	1920	29	328	1561	1102	1367	1781	850	1204	36
BUSH RIVER	2A23	1920	29	240	1038	602	945	1392	538	892	31
NIGEL CREEK	AL10	1920	29	149	617	273	445	752	207	424*	29
MOUNT ABBOT	2A14	1980	03	348	1705	1091	1506	1811	853	1383	39
MOLSON CREEK	2A21P	1980	01	-	1181	856	1156	1230	746	1093	16
SUNBEAM LAKE	2A22	2010	29	262	1238	630	1021	1562	630	990	32
BOW SUMMIT II	AL07A	2080	04	117	490	254	450	597	201	380*	19
LOWER COLUMBIA											
FERGUSON	2D02	880	27	156	773	252	652	757	160	430	53
FARRON	2B02A	1220	28	65	280	218	355	406	23	235	26
MONASHEE PASS	2E01	1370	28	83	356	231	442	505	67	305	41
WHATSHAN (UPPER)	2B05	1480	28	175	869	495	898	983	255	587	38
BARNES CREEK	2B06	1620	28	131	655	437	714	742	211	499	38
BARNES CREEK	2B06P	1620	01	-	754	431	818	818	431	570*	6
ST. LEON CREEK	2B08	1800	28	362	1823	1123	1485	1974	914	1307	32
ST. LEON CREEK	2B08P	1800	01	-	1501	945	1309	1309	861	1193	5
KOCH CREEK	2B07	1860	28	244	1161	715	995	1201	391	808	38
RECORD MOUNTAIN	2B09	1890	01	256	1277	841	1028	1194	157	823	24
EAST CREEK	2D08P	2030	01	-	1346	708	983	1330	568	907	17
EAST KOOTENAY											
FERNIE EAST	2C07	1250	01	50	196	34	374	541	0	230	47

SINCLAIR PASS	2C01	1370	28	21	58	0	127	246	0	59	53
MARBLE CANYON	2C05	1520	27	94	354	195	407	612	102	296	52
BRUSH CREEK TIMBER	MT03	1520	30	8	28	0	173	417	0	150*	48
SULLIVAN MINE	2C04	1550	26	76	335	91	408	518	0	262	53
WEASEL DIVIDE	MT02	1660	30	208	1021	565	1201	1422	348	841*	59
KIMBERLEY (MIDDLE) V O R	2C12	1680	28	61	255	114	362	483	0	238	30
MOUNT JOFFRE	2C16	1750	28	110	461	336	539	772	180	370	30
MORRISSEY RIDGE	2C09Q	1800	Not Measured			461	-	1345	317	784	14
RED MOUNTAIN	MT04	1830	28	114	559	277	678	841	0	443*	61
MOYIE MOUNTAIN	2C10P	1930	01	-	500E	240	-	674	18	346*	19
ALLISON PASS	AL01	1980	27	125	569	394	612	838	287	479*	12
WILKINSON SUMMIT (BUSH)	AL03	1980	27	73	254	163	173	279	23	179*	10
THUNDER CREEK	2C17	2010	28	101	359	221	390	556	163	297	30
FLOE LAKE	2C14	2090	28	251	1110	579	1008	1369	511	820	30
FLOE LAKE	2C14P	2090	01	-	1035	548	934	934	481	726	4
KIMBERLEY (UPPER) V O R	2C11	2140	28	147	616	313	674	935	188	538	30
HIGHWOOD SUMMIT (BUSH)	AL02	2210	27	131	503	315	513	726	221	460*	34
MOUNT ASSINIBOINE	2C15	2230	28	190	777	461	684	930	366	586	30
SUNSHINE VILLAGE	AL05	2230	04	189	798	391	716	1092	338	638*	32

**WEST
KOOTENAY**

DUNCAN LAKE NO. 2	2D07A	650	27	NO SNOW		-	42	42	0	21*	2
FERGUSON	2D02	880	27	156	773	252	652	757	160	430	53
NELSON	2D04	930	26	93	409	64	508	508	0	171	43
SANDON	2D03	1070	28	42	212	0	237	399	0	103	50
CHAR CREEK	2D06	1310	01	155	725	344	758	838	79	484	32
BUNCHGRASS MEADOW	WA01	1520	Not Available			-	-	1219	165	665*	55
GRAY CREEK (LOWER)	2D05	1550	29	141	654	401	630	726	229	471	50
ARROW CREEK	2D11	1620	30	250	1284	-	988	988	524	697	7
KOCH CREEK	2B07	1860	28	244	1161	715	995	1201	391	808	38
MOUNT TEMPLEMAN	2D09	1860	28	290	1461	825	-	1679	785	1167	31
GRAY CREEK (UPPER)	2D10	1910	29	227	1114	656	994	1300	518	856	30
EAST CREEK	2D08P	2030	01	-	1346	708	983	1330	568	907	17
KETTLE											
TRAPPING CREEK (LOWER)	2E05	930	01	NO SNOW		0	0	0	0	-	27
FARRON	2B02A	1220	28	65	280	218	355	406	23	235	26
CARMI	2E02	1250	01	NO SNOW		0	74	173	0	36	35
TRAPPING CREEK (UPPER)	2E04A	1350	01	2	9	0	116	116	0	14*	15
MONASHEE PASS	2E01	1370	28	83	356	231	442	505	67	305	41
BIG WHITE MOUNTAIN	2E03	1680	01	137	620	444	648	762	237	474	33
GRANO CREEK	2E07P	1860	01	-	806	578	-	578	578	578*	1
BLUEJOINT MOUNTAIN	2E06	2040	28	250	1201	743	1002	1186	287	784	23
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	30	30	129	37	220	368	0	141	34

MC CULLOCH	2F03	1280	28	NO SNOW		0	7	188	0	51	53
ABERDEEN LAKE	1F01A	1310	27	NO SNOW		0	77	144	0	37	45
OYAMA LAKE	2F19	1340	01	20	74	53	109	185	0	66	29
POSTILL LAKE	2F07	1370	29	48	198	91	182Z	282	0	144	47
BOULEAU LAKE	2F21	1400	25	96	396	182	384	488	95	320	27
VASEUX CREEK	2F20	1400	03	5	22	52	90	192	0	68	28
TROUT CREEK	2F01	1430	01	16	65	10E	117	386	0	110	51
ESPERON CR (MIDDLE)	2F14	1430	01	91	432	160	336	551	0	252	29
BRENDA MINE	2F18	1460	28	67	287	228	344	526	0	234	30
BRENDA MINE	2F18P	1460	01	-	222	99	273	279	0	179	6
ISLAHT LAKE	2F24	1480	27	97	450	213	367	399	66	271	17
GREYBACK RESERVOIR	2F08	1550	03	52	159	156	247	386	0	190	27
ESPERON CR (UPPER)	2F13	1650	01	121	578	290	498	805	119	385	29
ISINTOK LAKE	2F11	1680	28	50	183	62	169	437	0	142	34
MACDONALD LAKE	2F23	1740	28	146	650	445	548	622	198	441	22
MISSION CREEK	2F05P	1780	01	-	784	405	-	726	140	468	27
GRAYSTOKE LAKE	2F04	1810	28	128	490	240	504	940	120	431	28
MOUNT KOBAN	2F12	1810	29	135	501	424	393	597	53	333	33
WHITEROCKS MOUNTAIN	2F09	1830	30	192	868	385	629	1013	175	529	28
SILVER STAR MOUNTAIN	2F10	1840	29	206	954	653	925	1135	371	733	40
SIMILKAMEEN											
BROOKMERE	1C01	980	29	55	195	34	238	419	0	117	52
FREEZEOUT CREEK TRAIL	WA11	1070	30	102	356	99	348	658	0	182*	47

LIGHTNING LAKE	3D02	1220	28	115	484	184	429	599	24	255	27
HAMILTON HILL	2G06	1490	03	67	286	140	399	838	0	302	39
MISSEZULA MOUNTAIN	2G05	1550	28	61	240	10E	202	323	0	165	34
ISINTOK LAKE	2F11	1680	28	50	183	62	169	437	0	142	34
LOST HORSE MOUNTAIN	2G04	1920	26	88	298	196	326	554	64	248	38
BLACKWALL PEAK	2G03P	1940	01	-	1279	623	1121	1566	375	886	31
HARTS PASS	WA09	1980	28	340	1717	1044	1425	1847	531	1156*	55

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NORTH

May 1, 1999

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					1999	1998	1997	Max.	Min.	Normal	
PEACE											
PACIFIC LAKE	1A11	770	27	156	691	298	735	950	93	558	34
BULLHEAD MOUNTAIN	4A28	790	Not Available			0	0	0	0	-	14
PHILIP LAKE	4A13	980	28	59	240	132	329	406	0	228	35
MC LEOD LAKE	4A01	980	28	20	72	8	238	267	0	102	39
WARE (LOWER)	4A04	980	29	37	114	78	119	229	0	139	33
AIKEN LAKE	4A30P	1040	01	-	185	131	191	276	71	168*	12
TUTIZZI LAKE	4A06	1070	28	51	203	92	126	325	0	173	35
TSAYDAYCHI LAKE	4A12	1160	28	112	470	322	472	625	168	381	36
PINK MOUNTAIN	4A14	1170	02	NO SNOW		14	86	151	0	48	35
KAZA LAKE	1A12	1190	28	81	307	294	375	470	201	337	33
PULPIT LAKE	4A09	1310	29	97	382	330E	374	560	287	417	34
FREDRICKSON LAKE	4A10	1310	28	54	190	128	220	358A	128	237	35
PULPIT LAKE	4A09P	1310	01	-	366	356	387	500	308	407	8
PINE PASS	4A02P	1400	01	-	1137	1030	1262	1537	1030	1221	7
TRYGVE LAKE	4A11	1400	28	87	326	311	339	495	272	381	35
SIKANNI LAKE	4C01	1400	29	63	234	191	240	360	115	261	35

PINE PASS	4A02	1430	27	280	1376	1235	1365	1732	681	1222	38
MORFEE MOUNTAIN	4A16	1450	27	183	865	741	935	1181A	410	830	28
LADY LAURIER LAKE	4A07	1460	29	132	511	470	503	747	305	529	36
MOUNT SHEBA	4A18	1490	27	229	1081	718	1251	1251	503	865	30
GERMANSEN (UPPER)	4A05	1500	28	108	400	285	410	597	181	350	37
MOUNT STEARNS	4A21	1500	29	39	115	140A	140	271	0	161	25
JOHANSON LAKE	4B02	1540	28	72	263	270	289	418	143	299	36
MONKMAN CREEK	4A20	1550	Not Measured			449	725	1016	329	649	22
WARE (UPPER)	4A03	1570	29	94	303	290	245	402	141	260	35
BULLMOOSE CREEK	4A31	1570	04	136	569	297	592	695	294	496*	11
KWADACHA RIVER	4A27P	1620	01	-	379	-	325	476	259	370	12
SKEENA/NASS											
TERRACE A	4B13A	180	28	17	58	-	0	0	0	-	19
BEAR PASS	4B11A	460	03	124	566	256	494Z	859	256	637	14
NINGUNSAW PASS	4B10	690	30	80	360	0	276Z	547	0	254	23
MCKENDRICK CREEK	4B07	1050	28	63	253	201	350	422	80	254	31
TACHEK CREEK	4B06	1140	29	50	187	148	318	318	69	174	29
KAZA LAKE	1A12	1190	28	81	307	294	375	470	201	337	33
LU LAKE	4B15	1300	27	76	280	196E	444	444	180	279	19
LU LAKE	4B15P	1310	01	-	240	176	-	176	176	176*	1
TSAI CREEK	4B17P	1360	01	-	1343	1155	-	1155	1155	1155*	1

KIDPRICE LAKE	4B01	1370	30	212	1067	732	1173	1367	551	919	47
TRYGVE LAKE	4A11	1400	28	87	326	311	339	495	272	381	35
EQUITY MINE	4B14	1420	27	88	326	310	620	620	212	345	21
CHAPMAN LAKE	4B04	1460	28	115	470	446	689	749	308	485	33
HUDSON BAY MTN.	4B03A	1480	29	108	458	460	707	787	363	532	27
MOUNT CRONIN	4B08	1480	28	153	636	600	807	1125	422	670	30
SHEDIN CREEK	4B16P	1480	01	-	791	851	1065	1140	851	1019*	3
JOHANSON LAKE	4B02	1540	28	72	263	270	289	418	143	299	36
LIARD											
WATSON LAKE A	YK01	700	29	20	57	0	4	145	0	30*	28
FRANCES RIVER	YK02	730	29	34	73	0	44	237	0	68*	22
DEASE LAKE	4C03	820	30	NO SNOW		-	-	178	0	55	32
SUMMIT LAKE	4C02	1280	30	NO SNOW		0	0	200A	0	47*	33
DEADWOOD RIVER	4C09P	1300	01	-	107	67	85	207	27	112*	5
SIKANNI LAKE	4C01	1400	29	63	234	191	240	360	115	261	35
STIKINE/ TAKU											
SPEEL RIVER	AK03	80	27	292	1011	183	615	1240	51	661*	33
FORREST-KERR CREEK	4D08P	560	01	-	418	219	445	469	219	386*	7
TELEGRAPH CREEK	4D01	580	Not Available			-	0	163	0	28*	23
NINGUNSAW PASS	4B10	690	30	80	360	0	276Z	547	0	254	23
DEASE LAKE	4C03	820	30	NO SNOW		-	-	178	0	55	32

KINASKAN LAKE	4D11P	1020	01	-	235	226	280	487	216	376	8
TUMEKA CREEK	4D10P	1220	01	-	411	482	482	838	463	578	9
WADE LAKE	4D14P	1370	01	-	262	314	-	546	187	405	7
UPPER STIKINE	4D13P	1450	Not Measured			445	439	707	421	517	9
YUKON											
ATLIN LAKE	4E02A	730	29	NO SNOW		-	0	97	0	19*	13
LOG CABIN	4E01	880	29	83	244	324B	285Z	531	173	318	41
PINE LK AIRSTRIP	YK03	1010	27	71	199	212	175	327	89	186*	23
MONTANA MTN.	YK05	1020	29	35	101	-	-	191	0	105*	17
TAGISH	YK04	1080	30	35	92	92	105	205	0	105*	23

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River Forecast Centre Ministry of Environment

Basin Snow Water Index May 1, 1999

