

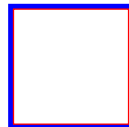
Banner

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

Precipitation during March as measured at valley bottom stations was a little above normal, as were mean temperatures. Snowpack accumulation was variable, but was generally close to normal at low and mid elevations and below normal at the higher elevation snow courses. The regional water equivalent index for the upper Fraser has dropped from 21% above normal at the beginning of March to 7% above normal now. In the Nechako basin, the snowpack index remains about 25% above normal.

Runoff as measured by the Fraser River at Marguerite (south of Quesnel) continued to be below normal during March. The volume runoff for the April through September period for the Fraser at Marguerite is for 13% above normal, while the forecast inflow to the Nechako reservoir is for 5,790 million cubic metres or 30% above normal.

Unless there are abnormal melt conditions, damaging flooding in this region is not probable this spring.

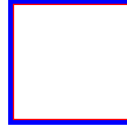
[Data Graphs](#)**MIDDLE AND LOWER FRASER**

Both temperatures and precipitation during the month of March were close to normal throughout the region. Although accumulation of the snowpack has continued, it has been at a relatively slower rate during March and, as a result the snow water equivalent index has fallen from 54% above normal a month ago to 45% above normal now in the middle Fraser. The equivalent numbers for the lower Fraser are a drop from 79% to 64% above normal.

This is still close to a record snowpack and similar to that reported in 1972, a high runoff year. Several long-term snow courses report their highest ever readings for this date. For example Horsefly Mountain (1C13A) in the Quesnel River headwaters which has a 29-year record and Lac le Jeune (Upper) (1C25) near Kamloops which has a 26-year record, both set new all time high readings for this date.

Mean monthly runoff as measured at the Fraser River at Hope continued the pattern of below normal flows that has been observed all winter. The forecast April through September volume at this location is for 19% above normal. Whether this will result in flood flows will, to a large extent depend on the weather in the next two months. A gradual melt would

probably result in high flows, but below damaging levels while a very rapid melt could result in widespread flooding. River levels are unlikely to peak before mid May at earliest and the peak flow might not occur until late June.

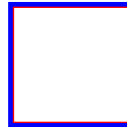


[Data Graphs](#)

NORTH AND SOUTH THOMPSON

The snowpack in the Thompson basin continues to accumulate, although at a slower rate than in previous months. In the North Thompson basin, the regional snowpack index is estimated to be 38% above normal, down from 46% at the beginning of March. In the South Thompson there has been relatively little change with the index remaining 46% above normal for this date. These are in the same order of magnitude as those recorded in 1972 and 1974, both high runoff years, and higher than anything that has been recorded since then. Most stations in the North Thompson report all time record high readings for this date and two long-term stations in the South Thompson also set new records.

The April through September volume flow forecast for the North and South Thompson Rivers are for 29% and 28% above normal, respectively. Melt patterns during April and May will determine whether rivers reach damaging levels. A prolonged warm spell would undoubtedly cause a rapid rise in river levels that could reach damaging levels. Peak flows are unlikely to occur before mid May and could occur any time until the end of June.



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Basin Snow
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UPPER AND LOWER COLUMBIA

Valley-bottom precipitation during March is reported to have been well above normal while temperatures were only slightly greater than normal. The overall snowpack water equivalent index remains very similar to that reported a month ago at 32% above normal for this sampling period.

An analysis of the distribution shows that there is quite a difference between the eastern and western portions of the basin. In the eastern portions along the Rocky Mountains, the snowpack is generally only a little above normal while snowcourses in the Selkirk Mountains in the Revelstoke area are in excess of 50% above normal and 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 forecasts for the Columbia at Donald are for 17% above normal while that for the Columbia at Birchbank is for 21% above normal.

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EAST AND WEST KOOTENAY

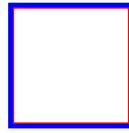
There has been a substantial drop in the regional snowpack index for the Kootenay basin since last month and the index is now estimated to be 34% above normal, compared to 43% above normal at the beginning of March.

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 Upper Elk River snowcourse (2C06) reports only 60% of its normal snowpack for this date while Ferguson snowcourse (2D02) in the West Kootenays reports a 61-year record high water equivalent, 53% above normal.

The April through September volume forecasts for Moyie River near Eastport in the East Kootenays is for 20% above

normal while the equivalent number for the Slocan River in the West Kootenays is for 31% 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.



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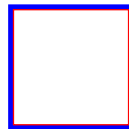
OKANAGAN, KETTLE AND SIMILKAMEEN

Expressed as a percentage of normal there has been a slight decrease in the regional snow water equivalent index in the Okanagan-Kettle region although it 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 dropped from 43% to 37% above normal in 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 1400m is close to normal. However, above this elevation it is 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 the lake is lower than normal in anticipation of runoff 47% 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 two months.

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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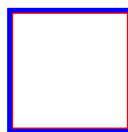
SOUTH COASTAL AND VANCOUVER ISLAND

In the South Coast and Vancouver Island Region, snow accumulation during March was very high and most reporting snow courses have record water content. Some of the snow depths are quite remarkable.

Some snow courses and pillows could not be accessed because of too much snow. One interesting case is the snow pillow at Jump Creek on Vancouver Island, where snow was so deep that it covered all the trees in the vicinity and the snow pillow site could not be recognized from a helicopter.

Regional precipitation was near normal for March, but seasonal totals since November remain well above normal. Temperatures for March were near normal.

Regional runoff as represented by inflow to Upper Campbell Lake on Vancouver Island was a little below normal for March. Snowmelt runoff volume for April-July is forecast to be 55% above normal, based on the existing snowpack and assuming normal weather for that period.



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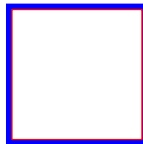
NORTHEASTERN

April 1 snow surveys in the Peace region indicate a snowpack that is quite heavy to the south and west of Williston Lake, and below normal to the north and east. Accumulations during March were below normal at most snow courses.

The Liard basin has a full complement of snow courses reporting for April 1. This is still fairly thin coverage, but the indication is an overall snowpack that is below normal. However the two snowcourses in the Yukon both report above normal for this date.

Precipitation measured at weather stations was below normal for March, but seasonal totals are normal. March mean temperatures are not available.

Inflow to Williston Lake for March was above normal for the fourth consecutive month. Runoff volume to the end of September is forecast to be 6% above normal.

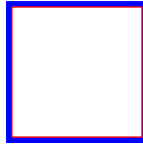


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NORTHWESTERN

The April snowpack in the Skeena-Nass Region is slightly above average. Two notable snowcourses that differ from the overall trend are the low elevation snowcourse at Terrace (4B31A), and Kidprice Lake (4B01), both much higher than normal. Farther north, the Stikine and Yukon River basins show below normal snowpacks. Precipitation at weather stations was well below normal for March; the total since November is just normal after much variability over this period. Mean monthly temperatures for March were just below normal.

Regional runoff is indicated by the Skeena River at Usk, which may not be that representative for all of northwest BC this year. The March runoff at this station was 16% above normal. Seasonal runoff for April-September is predicted to be very close to normal, assuming normal weather during that period.



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FRASER

April 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	47	157	0	170E	313	0	132	37
PACIFIC LAKE	1A11	770	28	196	762	379	830	879	290	623	36
BURNS LAKE	1A16	800	01	45	154	-	264	264	0	125	27
CANOE RIVER	2A01A	910	26	42	126	16	121	262	0	123	58
PHILIP LAKE	4A13	980	29	94	326	216	423	423	180	288	36
HEDRICK LAKE	1A14	1100	28	206	890A	430	869	1046	351	689	32
BIRD CREEK	1A23	1180	31	59	164	106	270	270	84	152*	9
KAZA LAKE	1A12	1190	29	109	340	296	389	453	226	330	34
LU LAKE	4B15	1300	30	111	314	232	484	484	170	310	22
FORFAR CREEK (UPPER)	1A24	1410	31	170	598	532	760	760	426B	573*	6
EQUITY MINE	4B14	1420	30	128	372	358	640	640	258	357	22
MOUNT SHEBA	4A18	1490	28	243	979	637	1140A	1146	495	815	30
BARKERVILLE	1A03	1520	30	121	473	218	-	566	218	378	47
BARKERVILLE	1A03P	1520	01	-	499	296	461	524	269	393	22
MC BRIDE (UPPER)	1A02	1580	26	134	465	314	433	780	260	462	46
KNUDSEN LAKE	1A15	1580	28	214	870	640A	910A	1255	485	864	30
NARROW LAKE	1A21	1650	27	262	1105	709	1214	1350	541	895	24
REVOLUTION CREEK	1A17P	1690	01	-	845	575	839	1222	575	863	13
LONGWORTH (UPPER)	1A05	1740	28	204	840A	568	-	1234A	467	781	44

DOME MOUNTAIN	1A19	1820	26	219	909	544	838	1057	416	802	28
MARMOT JASPER	AL12	1830	30	100	310	147	265B	422	147	240*	29
YELLOWHEAD	1A01	1860	26	178	666	350	538	770	293	520	47
YELLOWHEAD	1A01P	1860	01	171	784	446	225	446	225	336*	2
HOLMES RIVER	1A18	1900	26	211	791	539	790	1029	459	748	29
NECHAKO											
SKINS LAKE	1B05	880	01	41	141	101	153Z	203	0	115	35
TAHTSA LAKE	1B02	1300	31	370	1529	1105	1401	1554	775	1117	46
TAHTSA LAKE	1B02P	1300	01	-	1686	1271	1551	1551	860	1279*	6
KIDPRICE LAKE	4B01	1370	31	265	1084	840	1095	1247	622	888	45
MOUNT PONDOSY	1B08P	1400	01	-	1027	796	985	1006	576	847*	7
MOUNT WELLS	1B01	1490	31	158	576	447	711	960	356	516	44
MOUNT WELLS	1B01P	1490	01	-	561	497	725	725	494	603	7
NUTLI LAKE	1B07	1490	31	150	559	459	679	724	459	584*	8
MOUNT SWANNELL	1B06	1620	31	119	401	203	437	489	203	307*	10
MIDDLE FRASER											
PUNTZI MOUNTAIN	1C22	940	29	14	46	0	52	120C	0	28	29
BROOKMERE	1C01	980	31	81	272	180	296	399	92	211	54
NAZKO	1C08	1070	05	33	92	1	80	165B	0	71	40
BIG CREEK	1C21	1140	30	10	26	0	3	119	0	16*	28
GRANITE MOUNTAIN	1C33	1150	01	64	212	73	261	261	73	183*	6
DUFFY LAKE	1C28	1200	31	209	866	422	677	677	244	484	21
PAVILION	1C06	1230	31	12	40	0	68	147	0	60	42
LAC LE JEUNE (LOWER)	1C07	1370	01	53	160	88	171	251	0	112	43
CONANT LAKE	1C31	1370	28	80	279	185	292	292	56	206	18
BRIDGE GLACIER (LOWER)	1C39	1400	01	275	1086	640	648	716	604	652*	4
DEADMAN RIVER	1C32	1430	29	54	141	80	122	188	30	122	15
BRALORNE	1C14	1450	01	90	321	110	271	389	0	173	36
BONAPARTE LAKE	1C34	1450	29	133	426	238	384	384	238	320*	6

SHOVELNOSE MOUNTAIN	1C29	1450	28	107	442	241	331	331	108	265	20
BOSS MOUNTAIN MINE	1C20P	1460	01	184	844	529	743	743	529	577	5
LAC LE JEUNE (UPPER)	1C25	1460	01	73	228	144	222	226	43	147	26
BRENDA MINE	2F18	1460	30	104	358	263	398B	531	190	325	30
BRENDA MINE	2F18P	1460	01	-	467	317	497	497	227	356	6
HIGHLAND VALLEY	1C09A	1510	30	52	142	89	174	249	3A	102	33
BARKERVILLE	1A03	1520	30	121	473	218	-	566	218	378	47
BARKERVILLE	1A03P	1520	01	-	499	296	461	524	269	393	22
HORSEFLY MOUNTAIN	1C13A	1550	28	157	716	322	616	645A	282	462	29
GNAWED MOUNTAIN	1C19	1580	30	64	182	111	185	307	37	140	31
GREEN MOUNTAIN	1C12	1630	Not Measured			-	717	1173	338	661	33
MOUNT TIMOTHY	1C17	1660	27	135	507	199	430	533	186	331	36
YANKS PEAK EAST	1C41P	1670	01	213	994	750	953	953	750	852*	2
PENFOLD CREEK	1C23	1680	Not Measured			914	1106	1285	700	999	24
YANKS PEAK	1C24	1710	27	241	992	619	896	1045	475	763	26
GREEN MOUNTAIN	1C12P	1780	01	-	1408	850	1021	1025	850	947*	5
MCGILLIVRAY PASS	1C05	1800	01	240	964	568	762	1118	322	594	46
MISSION RIDGE	1C18P	1850	01	-	908	460	661	907	359	650	12
DOWNTON LAKE (UPPER)	1C38	1890	01	339	1416	912	884	1030	884	960*	4
TYAUGHTON CREEK (NORTH)	1C40	1950	01	207	844	424	584	584	396	469*	4
PAVILION MOUNTAIN	1C36	1960	02	115	373	241	313	313	232	255*	4
BRALORNE (UPPER)	1C37	1980	01	251	1010	652	834	834	652	744*	4
LOWER FRASER											

WOLVERINE CREEK	1D13	300	31	3	12	0	92	160	0	17*	23
SUMMALLO RIVER WEST	3D01C	790	02	100	404	110	512B	512B	0	37*	7
BROOKMERE	1C01	980	31	81	272	180	296	399	92	211	54
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			-	-	1966	1966	1966*	1
CALLAGHAN CREEK	3A20	1040	28	373	1608	836	1064	1570	192	973	22
DICKSON LAKE	1D16	1070	31	668	2970A	1548	1992	1992	738	1275*	7
DOG MOUNTAIN	3A10	1080	26	580	2800A	1055	1474	2314	51	1261	54
BEAVER PASS	WA12	1120	30	376	1491	770	1041	1849	94	784*	54
KLESILKWA	3D03A	1130	31	161	541	130	528	792	0	303	51
DUFFEY LAKE	1C28	1200	31	209	866	422	677	677	244	484	21
STAVE LAKE	1D08	1210	01	655	2750A	1684	1876	2421	579	1585	31
WAHLEACH LAKE	1D09	1400	31	263	925	607	844	1270	125	666	31
WAHLEACH LAKE	1D09P	1400	31	371	1380P	1006	1292	1292	634	892*	7
NAHATLATCH RIVER	1D10	1520	01	597	2500A	1437	1384	2225	749	1426	31
EASY PASS	WA13	1580	Not Available			-	-	3094	996	2061*	31
CHILLIWACK RIVER	1D17P	1600	Not Measured			1279	1850	1850	1040	1635	6
GREAT BEAR	1D15P	1660	01	-	2400	1602	2300	2300	1375	1607	7
TENQUILLE LAKE	1D06	1680	27	434	1795	1148	1310	1773	605	1167	46
NORTH THOMPSON											
BLUE RIVER	1E01B	670	30	98	340	190	425	425	186	286	16
KNOUFF LAKE	1E05	1200	28	54	160	112	189	274	58	147	43
COOK FORKS	1E06	1390	01	280	1207	693	1031	1394	530A	924	36
BOSS MOUNTAIN MINE	1C20P	1460	01	184	844	529	743	743	529	577	5
MOUNT COOK	1E02A	1580	29	394	1709	1226	1381	1500A	790A	1243	25
AZURE RIVER	1E08	1620	27	361	1413	1052	1166	1422A	712	1034	29
AZURE RIVER	1E08P	1620	01	314	1511	1125	1241	1241	1125	1183*	2
ADAMS RIVER	1E07	1720	30	268	1069	685	787	1016	435	710	29
KOSTAL LAKE	1E10P	1770	01	-	1165	871	1009	1009	618	871	14

TROPHY MOUNTAIN	1E03A	1860	28	225	888	562	653	739	366	545	25
NORTH CLEMINA CREEK	1E13	1860	26	261	1018	738	823	1003	560	828*	10
SOUTH THOMPSON											
ANGLEMONT	1F02	1190	01	105	398	184	440	561	142	361	41
ABERDEEN LAKE	1F01A	1310	29	43	132	110	212	259	6	145	60
MONASHEE PASS	2E01	1370	01	103	417	282	517	517	205	346	50
BOULEAU LAKE	2F21	1400	27	135	430	278	436	564	201	351	28
ADAMS RIVER	1E07	1720	30	268	1069	685	787	1016	435	710	29
KIRBYVILLE LAKE	2A25	1750	31	406	1804	1114	1311	1567	701	1126	26
SILVER STAR MOUNTAIN	2F10	1840	28	259	974	656	907	1115	414	726	40
PARK MOUNTAIN	1F03P	1890	01	-	1122	751	1207	1207	666	834	14
ENDERBY	1F04	1900	02	328	1430	972	1234	1316A	610	988	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											

COLUMBIA

April 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	42	126	16	121	262	0	123	58
DOWNIE SLIDE (LOWER)	2A27	980	31	261	1062	584	970	970	465	710	22
GLACIER	2A02	1250	31	223	926	594	843	1161	371B	735	62
FIELD	2A03A	1280	29	47	162	93	230	251	8	151	59
SUNWAPTA FALLS	AL11	1400	30	80	284	136	245B	333	89	195*	30
VERMONT CREEK	2A19	1520	28	139	619	397	519	843	202	459	33
AZURE RIVER	1E08	1620	27	361	1413	1052	1166	1422A	712	1034	29
AZURE RIVER	1E08P	1620	01	314	1511	1125	1241	1241	1125	1183*	2
DOWNIE SLIDE (UPPER)	2A29	1630	31	503	2484	1354	1424	1656	858	1231	21
KICKING HORSE	2A07	1650	29	114	394	282	442	589	211	357	51
KIRBYVILLE LAKE	2A25	1750	31	406	1804	1114	1311	1567	701	1126	26
MOUNT REVELSTOKE	2A06P	1830	01	-	1686	1080	1351	1386	709	1198	6
NORTH CLEMINA CREEK	1E13	1860	26	261	1018	738	823	1003	560	828*	10

FIDELITY MOUNTAIN	2A17	1870	29	370	1569	1078	1429	1951	730	1245	36
BEAVERFOOT	2A11	1890	28	81	231	156	301	460	105	227	39
KEYSTONE CREEK	2A18	1890	31	329	1388	689	928	1278	548	817	32
GOLDSTREAM	2A16	1920	31	358	1495	1056	1272	1638A	785	1125	35
BUSH RIVER	2A23	1920	31	269	1162	634	915	1331	455	850	32
NIGEL CREEK	AL10	1920	30	163	616	310	478B	700	198	427*	30
MOUNT ABBOT	2A14	1980	26	405	1584	1059	1358	1849	698	1258	40
MOLSON CREEK	2A21P	1980	01	-	1151	841	1089	1166	651	1003	16
SUNBEAM LAKE	2A22	2010	31	300	1235	647	954	1384	600	916	32
MIRROR LAKE	AL06	2030	30	130	404	246	434	561	160	302*	59
BOW SUMMIT II	AL07A	2080	30	138	460	257	462	584B	206	364*	20
LOWER COLUMBIA											
FERGUSON	2D02	880	29	201	881	446	783	790	142	576	61
BAIRD	WA02	980	30	76	246	188	363	363	0	150*	39
FARRON	2B02A	1220	26	97	348	347	447	480	167	338	26
MONASHEE PASS	2E01	1370	01	103	417	282	517	517	205	346	50
WHATSHAN (UPPER)	2B05	1480	01	231	964	591	928	928	427	647	41
BARNES CREEK	2B06	1620	01	165	703	447	768	768	321	509	42
BARNES CREEK	2B06P	1620	01	-	701	446	773	773	446	576*	6
ST. LEON CREEK	2B08	1800	01	409	1776	1195	-	1831	818	1201	31
ST. LEON CREEK	2B08P	1800	01	-	1553	1050	1260	1260	712	1102	5
KOCH CREEK	2B07	1860	01	278	1156	735	917	1034	424	742	40
RECORD MOUNTAIN	2B09	1890	01	309	1310	826	978	1091A	315	775	24
EAST CREEK	2D08P	2030	01	-	1241	731	900	1245	466	897	18

EAST KOOTENAY											
KISHENEHN	MT01	1190	27	64	206	168	363	465	36	204*	52
FERNIE EAST	2C07	1250	01	106	360	240	468	605	151	370	47
UPPER ELK RIVER	2C06	1340	28	24	70	54	140	345	0	116	51
SINCLAIR PASS	2C01	1370	31	43	108	97	194	262A	36	134	62
MARBLE CANYON	2C05	1520	30	121	408	278	464	587A	168	352	52
BRUSH CREEK TIMBER	MT03	1520	30	58	178	79	312	434	76	251*	47
SULLIVAN MINE	2C04	1550	30	111	404	219	468	538	137	324	53
WEASEL DIVIDE	MT02	1660	29	264	1064	671	-	1346	432	832*	58
KIMBERLEY (MIDDLE) V O R	2C12	1680	30	95	321	201	394	462	163	298	30
BANFIELD MOUNTAIN	MT05	1710	29	213	843	371	-	919	290	543*	29
MOUNT JOFFRE	2C16	1750	28	125	456	343	476	711	188	376	30
MORRISSEY RIDGE	2C09Q	1800	01	-	844	664	1035	1224	492	751	15
RED MOUNTAIN	MT04	1830	30	168	653	348	726	810	211	485*	60
MOYIE MOUNTAIN	2C10P	1930	01	128	679	424	-	624	216	389*	19
HAWKINS LAKE	MT06	1970	Not Available			572	-	1313	399	761*	28
ALLISON PASS	AL01	1980	30	147	556	432	622	823	302	495*	35
WILKINSON SUMMIT (BUSH)	AL03	1980	31	77	221	206	213	460	112	221*	35
THUNDER CREEK	2C17	2010	28	106	338	260	383	475	171	279	29
FLOE LAKE	2C14	2090	28	264	1075	618	924	1242	411	762	29
FLOE LAKE	2C14P	2090	01	-	1001	551	840	840	360	674	4

KIMBERLEY (UPPER) V O R	2C11	2140	30	176	608	326	618	798	234	488	30
HIGHWOOD SUMMIT (BUSH)	AL02	2210	Not Available			356	465	681	244	398*	29
MOUNT ASSINIBOINE	2C15	2230	28	212	732	453	631	816	295	530	30
SUNSHINE VILLAGE	AL05	2230	29	212	719	417	693	996	340	608*	32
WEST KOOTENAY											
DUNCAN LAKE NO. 2	2D07A	650	26	46	182	0	223	223	0	89*	8
FERGUSON	2D02	880	29	201	881	446	783	790	142	576	61
NELSON	2D04	930	30	147	551	350	606	622	137	380	61
SANDON	2D03	1070	30	118	485	321	450	585	71	352	60
CHAR CREEK	2D06	1310	31	208	780	461	823	940	302	584	33
SMITH CREEK	ID01	1460	01	432	1940	1052	-	1791	587	1115*	57
BUNCHGRASS MEADOW	WA01	1520	30	287	1074	-	1107	1173	340	742*	57
GRAY CREEK (LOWER)	2D05	1550	31	170	660	394	628	688	290	467	51
ARROW CREEK	2D11	1620	31	290	1330	-	1005	1005	474	743	20
KOCH CREEK	2B07	1860	01	278	1156	735	917	1034	424	742	40
MOUNT TEMPLEMAN	2D09	1860	28	330	1401	856	1260	1608	688	1057	30
GRAY CREEK (UPPER)	2D10	1910	31	262	1060	620	938	1123	524	793	30
EAST CREEK	2D08P	2030	01	-	1241	731	900	1245	466	897	18
KETTLE											
TRAPPING CREEK (LOWER)	2E05	930	03	21	66	42	124	218	0	80	33
FARRON	2B02A	1220	26	97	348	347	447	480	167	338	26
GOAT CREEK	WA04	1220	31	51	132	142	150	274	0	112*	35
CARMI	2E02	1250	03	40	112	90	200	290	14	150	36

TRAPPING CREEK (UPPER)	2E04A	1350	03	50	194	126	286	286	26	210	15
MONASHEE PASS	2E01	1370	01	103	417	282	517	517	205	346	50
SUMMIT G.S.	WA05	1400	31	79	269	224	305	338	23	206*	36
BIG WHITE MOUNTAIN	2E03	1680	03	166	674	484	658	762	358	479	33
GRANO CREEK	2E07P	1860	01	182	769	578	-	578	578	578*	1
BLUEJOINT MOUNTAIN	2E06	2040	01	291	1175	791	1010	1010	378	727	21
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	26	77	264	176	339	389	96	230	62
MC CULLOCH	2F03	1280	01	48	184	156	206	249	38	159	61
ABERDEEN LAKE	1F01A	1310	29	43	132	110	212	259	6	145	60
OYAMA LAKE	2F19	1340	30	62	199	171	255	255	61	162	28
POSTILL LAKE	2F07	1370	31	75	262	198	286	348	109	220	48
BOULEAU LAKE	2F21	1400	27	135	430	278	436	564	201	351	28
VASEUX CREEK	2F20	1400	30	37	122	142	186	239	82	160	28
TROUT CREEK	2F01	1430	29	73	259	145	260	396	52	175	62
ESPERON CR (MIDDLE)	2F14	1430	28	132	506	292	460	607	224	362	31
BRENDA MINE	2F18	1460	30	104	358	263	398B	531	190	325	30
BRENDA MINE	2F18P	1460	01	-	467	317	497	497	227	356	6
ISLAHT LAKE	2F24	1480	30	130	501	327	460	462	222	341	16
GREYBACK RESERVOIR	2F08	1550	30	78	273	236	326	351	114	228	45
ESPERON CR (UPPER)	2F13	1650	28	166	636	360	536	805	270	432	30
ISINTOK LAKE	2F11	1680	26	74	232	112	203	424	66	181	34
MACDONALD LAKE	2F23	1740	30	177	677	440	554B	616	257	441	22

MUTTON CREEK NO. 1	WA07	1740	31	190	714	447	444	721	79	342*	58
MISSION CREEK	2F05P	1780	01	168	728	439	-	683	278	468	27
GRAYSTOKE LAKE	2F04	1810	30	131	490	290	456	828	206	412	29
MOUNT KOBALU	2F12	1810	28	150	516	380	375	602	105	322	33
WHITEROCKS MOUNTAIN	2F09	1830	30	252	995	508	650	1021	323	584	44
SILVER STAR MOUNTAIN	2F10	1840	28	259	974	656	907	1115	414	726	40
SIMILKAMEEN											
BROOKMERE	1C01	980	31	81	272	180	296	399	92	211	54
FREEZEOUT CREEK TRAIL	WA11	1070	31	155	576	208	508	665	8	304*	54
LIGHTNING LAKE	3D02	1220	31	144	534	272	462	622	140	315	51
HAMILTON HILL	2G06	1490	30	112	419	232	466	851	164	373	39
MISSEZULA MOUNTAIN	2G05	1550	29	88	319	184	304	516B	104	235	38
ISINTOK LAKE	2F11	1680	26	74	232	112	203	424	66	181	34
LOST HORSE MOUNTAIN	2G04	1920	29	94	296	192	262	533	146E	235	36
BLACKWALL PEAK	2G03P	1940	01	-	1294	668	1080	1494	400	841	31
HARTS PASS	WA09	1980	31	409	1684	958	1201	1725	541	1084*	56
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

April 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											
FORT ST. JOHN A	4A25	690	27	44	116	82	196	210	0	111	25
MACKENZIE A	4A19	700	29	86	334	172	300	361	0	223	27
PACIFIC LAKE	1A11	770	28	196	762	379	830	879	290	623	36
BULLHEAD MOUNTAIN	4A28	790	Not Available			89	168	168	0	118	14
PHILIP LAKE	4A13	980	29	94	326	216	423	423	180	288	36
WARE (LOWER)	4A04	980	30	63	168	129	199	316	112B	183	36
MC LEOD LAKE	4A01	980	28	71	294	189	388	388	60	219	39
AIKEN LAKE	4A30P	1040	01	-	260	217	262	371	206	273*	12
TUTIZZI LAKE	4A06	1070	29	90	284	214	278	406	166	249	36
TSAYDAYCHI LAKE	4A12	1160	29	131	457	329	510	584	234	392	36
PINK MOUNTAIN	4A14	1170	28	11	49	91	161B	175	20	87	35
KAZA LAKE	1A12	1190	29	109	340	296	389	453	226	330	34
PULPIT LAKE	4A09	1310	30	125	392	347	410	556	297	400	36
PULPIT LAKE	4A09P	1310	01	-	418	384	421	500	384	395	8
FREDRICKSON LAKE	4A10	1310	29	78	226	165	237	351	163B	249	36

PINE PASS	4A02P	1400	01	-	1128	1033	1116	1530	1033	1120	7
TRYGVE LAKE	4A11	1400	29	108	315	305	331	493	257	357	36
SIKANNI LAKE	4C01	1400	30	90	235	211	273	380	166	264	36
PINE PASS	4A02	1430	28	309	1238	1080	1351	1562	668	1129	37
MORFEE MOUNTAIN	4A16	1450	28	223	910	697	1097	1158	555	857	31
LADY LAURIER LAKE	4A07	1460	30	155	483	443	485	737	342	493	35
MOUNT SHEBA	4A18	1490	28	243	979	637	1140A	1146	495	815	30
GERMANSEN (UPPER)	4A05	1500	29	126	409	315	429	523	200	346	37
MOUNT STEARNS	4A21	1500	30	60	112	157	169	239	76	161	24
JOHANSON LAKE	4B02	1540	29	96	269	259	284	417	173	286	36
MONKMAN CREEK	4A20	1550	28	169	647	369	730A	1067	347	626	21
WARE (UPPER)	4A03	1570	30	100	253	281	232	390	157	253	36
BULLMOOSE CREEK	4A31	1570	06	152	548	418	628	698	312	534*	11
KWADACHA RIVER	4A27P	1620	01	-	349	-	306	446	240	332	14
SKEENA/NASS											
TERRACE A	4B13A	180	29	74	302	0	228	333	0	70*	19
BEAR PASS	4B11A	460	31	175	656	408	673	900	408	773	15
NINGUNSAW PASS	4B10	690	01	125	478	231	480Z	620	231	422	24
GRANDUC MINE	4B12	790	28	335	1301	1376	1790E	1834	1152	1447	23
MCKENDRICK CREEK	4B07	1050	31	96	301	243	398	427	183	297	31
TACHEK CREEK	4B06	1140	30	85	244	184	362	362	112	218	31

KAZA LAKE	1A12	1190	29	109	340	296	389	453	226	330	34
LU LAKE	4B15	1300	30	111	314	232	484	484	170	310	22
LU LAKE	4B15P	1310	01	100	308	225	-	225	225	225*	1
TSAI CREEK	4B17P	1360	01	256	1208	1054	-	1054	1054	1054*	1
KIDPRICE LAKE	4B01	1370	31	265	1084	840	1095	1247	622	888	45
TRYGVE LAKE	4A11	1400	29	108	315	305	331	493	257	357	36
EQUITY MINE	4B14	1420	30	128	372	358	640	640	258	357	22
CHAPMAN LAKE	4B04	1460	31	148	515	460	641	762	315	461	34
HUDSON BAY MTN.	4B03A	1480	01	134	479	463	698	846	356	515	27
MOUNT CRONIN	4B08	1480	31	185	615	574	725	1097	433	624	30
SHEDIN CREEK	4B16P	1480	01	168	758	791	896	1039	791	909*	3
JOHANSON LAKE	4B02	1540	29	96	269	259	284	417	173	286	36
LIARD											
FORT NELSON A	4C05	380	01	30	84	23	104	198	23	105	33
WATSON LAKE A	YK01	700	30	64	149	115	116	229	71	124*	32
FRANCES RIVER	YK02	730	30	67	161	157	131	302	76	150*	22
DEASE LAKE	4C03	820	27	43	108	56	147	259	56	144	34
SUMMIT LAKE	4C02	1280	01	49	90	0	-	240	0	122	32
DEADWOOD RIVER	4C09P	1300	01	-	125	70	113	283	70	172*	5
SIKANNI LAKE	4C01	1400	30	90	235	211	273	380	166	264	36
STIKINE/ TAKU											
SPEEL RIVER	AK03	80	30	259	1097	411	691	1402	300	780*	30
FORREST- KERR CREEK	4D08P	560	01	-	488	390	509	671	390	546*	6

TELEGRAPH CREEK	4D01	580	27	30	79	75	58	343	37	155	24
NINGUNSAW PASS	4B10	690	01	125	478	231	480Z	620	231	422	24
DEASE LAKE	4C03	820	27	43	108	56	147	259	56	144	34
ISKUT	4D02	1000	01	41	103	60	100Z	167	0	120	24
KINASKAN LAKE	4D11P	1020	01	-	256	287	277	570	277	368	8
TUMEKA CREEK	4D10P	1220	01	-	387	482	457	869	457	638	9
WADE LAKE	4D14P	1370	01	-	262	293	-	527	232	406	7
UPPER STIKINE	4D13P	1450	Not Measured			408	402	689	402	474	9
YUKON											
ATLIN LAKE	4E02A	730	27	36	89	105Z	101	197	50	123*	15
LOG CABIN	4E01	880	26	96	256	359	299	596	213	331	39
PINE LK AIRSTRIP	YK03	1010	29	80	250	256	191	351	122	223*	23
MONTANA MTN.	YK05	1020	26	47	98	-	-	185	84	137*	16
TAGISH	YK04	1080	29	44	88	110	142	177	73	137*	22
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