Banner

April 1, 1998

Fraser Basin Snow

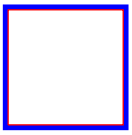
Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

Although valley-bottom precipitation in the region during March was above normal, the accumulated precipitation totals since November remain well below normal. Mean temperatures continued above normal for the fifth consecutive month.

As a result of the below normal precipitation and mild weather, the snowpack in the upper Fraser is well below normal with a few long-term snowcourses reporting record low water equivalents for this measurement period. e.g. Barkerville snowcourse, which has a 46-year record for this date sets a new record low reading at only 58% of normal. In contrast, the Nechako basin the snowpack is only about 5% below normal.

Runoff as measured at the Fraser River at Marguerite gauge was about 28% above normal during March. The April through September volume runoff at this location is only for 81% of its normal amount. The volume forecast for the Nechako Reservoir inflow is for 4,250 million cubic metres or 96% of its 30-year normal.



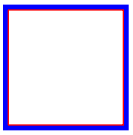
Upper Fraser & Nechako Data Graphs

MIDDLE AND LOWER FRASER

Cumulative precipitation totals since November in both the middle and lower Fraser River basins continue to be well below normal for the beginning of April. This, combined with above normal temperatures throughout the winter, has resulted in a snowpack that is about 17% below normal in the middle Fraser and about 6% below normal in the lower Fraser. The plateau on the west side of the middle Fraser appears to be virtually snow free.

Flows in the Fraser River as measured at Hope have averaged close to normal over the winter and the April through September volume runoff at this location is for 86% of normal, assuming normal weather during the forecast period.

Peak flows during the freshet depend to a large extent on the weather patterns during the melt. However, as over 30% of the flow at Hope originates in the upper Fraser, it is unlikely that there will be sufficient snowmelt to cause damaging flood levels along the main stem of the Fraser this year.

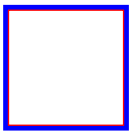
 Middle and Lower Fraser Data Graphs

NORTH AND SOUTH THOMPSON

Data from a limited number of valley-bottom stations in the Thompson River basin indicate that mean temperatures and precipitation were above normal throughout the basin during March. Precipitation totals since November, however, remain about 10% below normal.

Snowpack accumulations in the basin were close to normal during March. As a result, the regional snowpack for the Thompson basin is estimated to be very close to normal for this date and the total runoff during the freshet is forecast to be 98% and 99% of normal in the North and South Thompson Rivers, respectively.

Following a pattern that has been evident all winter, the flow in the Thompson River near its mouth at Spences Bridge was about 50% above normal during March. Peak river and lake levels reached during the snowmelt season depend to a large extent on the weather patterns during the period. A prolonged warm spell early in the melt season would bring water levels up rapidly. However, peak water levels on the main stems are likely to be considerably less than those which occurred last year unless there are very abnormal weather conditions in the next two months.

 Thompson Basin Data Graphs

---

Volume Runoff Forecasts Fraser Basin Volume Runoff Forecasts

Bulletin Home Page

Groundwater Conditions

Snow Pillow Information

Banner

April 1, 1998

Snow Survey Measureme

Coastal Basin Snow Survey Measurements

SOUTH COASTAL AND VANCOUVER ISLAND

The April 1 snowpack in the South Coast region is near normal, except farther north in the higher elevation Homathko basin, where snow courses report below normal amounts. Snow accumulation in March was less than normal at most snow courses, as was precipitation at weather stations. Total precipitation since November is 84% of normal.

The Vancouver Island snowpack remains above normal but the increase in water content during March was much less than normal. The low elevation Elk River snow course (3B04) continues to report no snow. Precipitation was below normal for March, and the total since November is normal.

Mean monthly temperature for the South Coast and Vancouver Island was 1.5ºC above normal for March, continuing an above normal pattern that has been evident since September.

Inflow to Upper Campbell Lake on Vancouver Island was 126% of normal for March, continuing the high trend of the preceeding months. Runoff for April through July is forecast to be 111% of normal, assuming normal weather during this period.

Data Graphs

Volume Runoff Forecasts

Volume Runoff Forecasts

Bulletin Home Page

Banner

April 1, 1998

Columbia Basin Snow

Columbia Basin Snow Survey Measurements

UPPER AND LOWER COLUMBIA

Precipitation as measured at valley-bottom meteorological stations during March was 43% greater than normal. This brought the cumulative winter total up from 29% below normal a month ago to about 19% below normal this month. Mean temperatures were a degree or two above normal during the month.

The regional snowpack for the Columbia basin is estimated to be about 13% below normal for this measurement period. The snow courses in the upper Columbia are almost all below, to well below, normal for April 1 while most of the snow courses in the lower Columbia (around the Arrow Lakes) are near normal.

The natural flow as indicated by the flow of the Columbia River at Donald continued the above normal trend that has been evident all winter. The April through September volume flow in the Columbia River at Birchbank is expected to be 93% of normal - considerably less than that which occurred last year.

Data Graphs

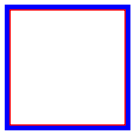
Columbia Data Graphs

EAST AND WEST KOOTENAY

March precipitation in the Kootenays was well above normal and this resulted in greater than normal snowpack accumulations during the month. The regional snowpack for the area is now estimated to be 79% of normal for this date.

Natural flow as measured on the Kootenay River at Fort Steele was again close to normal, continuing a pattern that has been evident all winter.

The snowpack is considerably less than that reported a year ago and this is reflected in the volume April through September forecast for the Kootenay at Fort Steele which is for 81% of normal. Peak flows in the rivers are greatly influenced by the weather during the melt, but it is unlikely that there will be damaging flooding on the main rivers in the Kootenay basin this spring unless very abnormal weather conditions occur.

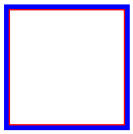
 Kootenay Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

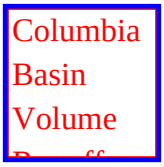
March valley-bottom precipitation in the Okanagan, Kettle and Similkameen basins was almost 50% above normal. Mean temperatures were about 1.5ºC above normal. As a result, the Okanagan-Kettle snowpack is now estimated to be only slightly below normal for this time of year. It is interesting to recall that the snowpack at the beginning of January was 40% below normal. The accumulations in the Similkameen basin have not been as great and, as a result, the regional snowpack for the basin is estimated to be about 28% below normal which is about the same as in 1993.

Inflow to Okanagan Lake during March was well above normal, continuing a trend that has been continuous for almost three years. Despite this, Okanagan Lake is close to its target level and, with a forecast freshet inflow of 414 million cubic metres, it is expected that the lake will be brought to close to its normal upper level without problem.

The April through September volume flow of the Similkameen River as measured near Nighthawk is for 1270 million cubic metres which is 26% below normal. This forecast implies that the feshet flow (through July) will be below the threshold that allows water to be stored on Osoyoos Lake for use later in the year when flows are low in the Similkameen. As a result, water levels on Osoyoos Lake may be held higher than normal this summer. At this time last year the corresponding forecast was for 40% above normal flow over the summer!

 Okanagan-Kettle and Similkameen Data Graphs

---



Columbia Basin Volume Runoff Forecasts

Bulletin Home Page

Groundwater Conditions

Snow Pillow Information

Banner

April 1, 1998

Snow Survey Measureme

Northern Basins Snow Survey Measurements

NORTHEASTERN

During March, most lower elevation snowcourses in the Peace River basin gained greater than normal snow water but higher elevation courses gained less than normal. The overall regional snowpack for April is about 11% below normal. In the Liard basin, the April 1 snowpack is well below normal, with three long term snow courses showing record low readings.

Again based on very little data, precipitation totals since November are below normal for the Peace basin and well below normal for the Liard basin. Mean monthly temperatures for northeastern B. C. were 1ºC above normal, following six months of highly variable mean temperatures.

Inflow to Williston Lake was 38% above normal for March, continuing the high flow trend of the fall and winter. Seasonal inflow for April-September is predicted to be 89% of normal.

Peace and Liard Basin Data Graphs

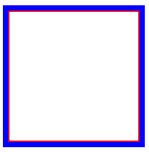
NORTHWESTERN

The April 1 snowpack in the Skeena-Nass region is below normal, with lower elevation snow courses continuing to show well below normal readings. As last month, Bear Pass (4B11A) and Ningunsaw (4B10) report record low readings for 14 and 23 years of record, respectively. In the Stikine region, overall snowpack is well below normal; Dease Lake (4C03) which has a 33-year record, continues to report a record low snow water equivalent. In the Yukon River drainage, snow courses vary considerably but the overall snowpack is near normal.

Monthly precipitation measured at weather stations was very low for the third month in a row, bringing

the total since November to 80% of normal. The March mean temperature was 1ºC above normal, following a number of months with high variation in mean temperatures.

Runoff for the Skeena River at Usk was 99% of normal for March. The predicted seasonal runoff from now through September is 88% of normal, assuming normal weather in this period.



Skeena, Nass and Stikine Basin Data Graphs

Northern Volume Runoff Forecasts

Bulletin Home Page

Groundwater Conditions

Snow Pillow Information

Information Disclaimer and Copyright Notice

FRASER

April 1, 1998

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm) 1998	1997	1996	Max.	Min.	Normal	No. Years Record
UPPER FRASER											
PRINCE GEORGE A	1A10	690	30	No Snow		170E	101	313	0	132	36
PACIFIC LAKE	1A11	770	26	112	379	830	478	879	290	623	35
MCBRIDE (LOWER)	1A22	790	30	No Snow		164	62	284	0	140	23
BURNS LAKE	1A16	800	Not Available			264	196	264	0	125	27
CANOE RIVER	2A01A	910	27	5	16	121	107	262	0	123	57
PHILIP LAKE	4A13	980	27	74	216	423	312	423	180	288	35
HEDRICK LAKE	1A14	1100	26	132	430	869	598	1046	351	689	31
MCBRIDE (MIDDLE)	1A20	1160	30	67	202	392	348	488	214	382	24
BIRD CREEK	1A23	1180	27	42	106	270	176	270	84	158*	8
KAZA LAKE	1A12	1190	27	107	296	389	442	453	226	330	33
LU LAKE	4B15	1300	31	85	232	484	360	484	170	310	21
FORFAR CREEK (UPPER)	1A24	1410	27	154	532	760	584	760	426B	584*	5
EQUITY MINE	4B14	1420	31	116	358	640	452	640	258	357	21
MOUNT SHEBA	4A18	1490	26	182	637	1140	783	1146	495	815	29
BARKERVILLE	1A03	1520	01	75	218	-	278	566	229	378	46
BARKERVILLE	1A03P	1520	01	-	296	461	-	524	269	393	21
MC BRIDE (UPPER)	1A02	1580	30	106	314	433	385	780	260	462	45

KNUDSEN LAKE	1A15	1580	26	191	540	910A	775	1255	485	864	29
NARROW LAKE	1A21	1650	28	190	736	1214	686	1350	541	895	23
REVOLUTION CREEK	1A17P	1690	01	-	575	839	815	1222	671	863	12
LONGWORTH (UPPER)	1A05	1740	26	172	588	-	676	1234	467	781	43
DOME MOUNTAIN	1A19	1820	27	171	544	838	601	1057	416	802	27
MARMOT JASPER	AL12	1830	31	66	147	265B	263	422	152	244*	28
YELLOWHEAD	1A01	1860	27	123	350	538	648	770	293	520	46
YELLOWHEAD	1A01P	1860	01	118	446	225	-	225	225	225*	1
HOLMES RIVER	1A18	1900	27	164	539	790	744	1029	459	748	28
NECHAKO											
SKINS LAKE	1B05	880	27	28	101	153Z	152	203	0	115	34
TAHTSA LAKE	1B02	1300	26	269	1105	1401	1264	1554	775	1117	45
TAHTSA LAKE	1B02P	1300	01	-	1271	1551	-	1551	860	1281	5
KIDPRICE LAKE	4B01	1370	26	210	840	1095	969	1247	622	888	44
MOUNT PONDOSY	1B08P	1400	01	-	796	985	948	1006	576	856*	6
MOUNT WELLS	1B01	1490	26	138	447	711	594	960	356	516	43
MOUNT WELLS	1B01P	1490	01	-	497	725	677	725	494	603	6
NUTLI LAKE	1B07	1490	26	144	459	679	724	724	461	601*	7
MOUNT SWANNELL	1B06	1620	27	80	203	437	321	489	215	318*	9
MIDDLE FRASER											
PASS LAKE	1C04	870	01	No Snow		110	53	224	0	58	47
PUNTZI MOUNTAIN	1C22	940	30	No Snow		52	84	120C	0	28	28
BROOKMERE	1C01	980	27	53	180	296	275	399	92	211	53
NAZKO	1C08	1070	31	No Snow		80	29	165B	0	71	39
BIG CREEK	1C21	1140	28	No Snow		3	35	119	0	17*	27
GRANITE MOUNTAIN	1C33	1150	02	22	73	261	198	261	128	205*	5
DUFFY LAKE	1C28	1200	01	116	422	677	405	677	244	484	20
PAVILION	1C06	1230	29	No Snow		68	0	147	0	60	41

LAC LE JEUNE (LOWER)	1C07	1370	27	29	88	171	74	251	0	112	42
CONANT LAKE	1C31	1370	28	55	187	292	188	292	56	206	17
BRIDGE GLACIER (LOWER)	1C39	1400	27	156	648	648	604	716	604	656*	3
TRANQUILLE LAKE	1C03	1420	01	66	191	281	193	381	116	232	47
DEADMAN RIVER	1C32	1430	30	33	80	122	81	188	30	122	14
BRALORNE	1C14	1450	27	40	110	271	130	389	0	173	35
BONAPARTE LAKE	1C34	1450	26	82	238	384	342	384	290	336*	5
SHOVELNOSE MOUNTAIN	1C29	1450	28	61	241	331	248	331	108	265	19
SPAHOMIN	1C30	1450	27	21	62	148	40	148	10	104	19
BOSS MOUNTAIN MINE	1C20P	1460	01	130	529	743	694	743	660	577	4
LAC LE JEUNE (UPPER)	1C25	1460	27	45	144	222	105	226	43	147	25
BRENDA MINE	2F18	1460	30	77	263	398B	334	531	190	325	29
BRENDA MINE	2F18P	1460	01	-	317	497	469	497	227	356	5
BOSS MOUNTAIN MINE	1C20	1500	27	144	514	702	632	782	397	583	30
HIGHLAND VALLEY	1C09A	1510	31	29	89	174	50	249	3A	102	32
BARKERVILLE	1A03	1520	01	75	218	-	278	566	229	378	46
BARKERVILLE	1A03P	1520	01	-	296	461	-	524	269	393	21
FISH LAKE	1C35	1540	31	No Snow		64	0	165	0	86*	4
HORSEFLY MOUNTAIN	1C13A	1550	29	99	322	616	518	645A	282	462	28
FISH LAKE NO. 2	1C35A	1550	31	31	86	80	-	80	80	80*	1
GNAWED MOUNTAIN	1C19	1580	31	37	111	185	53	307	37	140	30
GREEN MOUNTAIN	1C12	1630	Not Measured			717	625	1173	338	661	33
MOUNT TIMOTHY	1C17	1660	27	75	199	430	341	533	186	331	35

YANKS PEAK EAST	1C41P	1670	01	181	750	953	-	953	953	953*	1
PENFOLD CREEK	1C23	1680	28	233	914	1106	1058	1285	700	999	23
YANKS PEAK	1C24	1710	28	175	619	896	735	1045	475	763	25
TATLAYOKO LAKE	3A13	1710	01	67	169	225	338	563	74	252	46
GREEN MOUNTAIN	1C12P	1780	01	-	850	1021	954	1025	884	971*	4
MCGILLIVRAY PASS	1C05	1800	27	143	568	762	571	1118	322	594	45
PORCUPINE RIDGE	1C02	1830	01	137	416	490	353	668	243	434	36
MISSION RIDGE	1C18P	1850	01	-	460	661	612	907	359	650	11
DOWNTON LAKE (UPPER)	1C38	1890	27	216	912	884	1030	1030	884	976*	3
TYAUGHTON CREEK (NORTH)	1C40	1950	27	123	424	584	396	584	396	483*	3
PAVILION MOUNTAIN	1C36	1960	31	84	241	313	232	313	232	260*	3
BRALORNE (UPPER)	1C37	1980	27	186	652	834	708	834	708	774*	3
LOWER FRASER											
WOLVERINE CREEK	1D13	300	01	No Snow		92	10	160	0	18*	22
SUMMALLO RIVER WEST	3D01C	790	27	31	110	512B	0	512B	0	23*	6
BROOKMERE	1C01	980	27	53	180	296	275	399	92	211	53
DISAPPOINTMENT LAKE	1D18P	1040	Not Measured			-	-	1966	1966	1966	1
CALLAGHAN CREEK	3A20	1040	31	177	836	1064	370	1570	192	973	21
DICKSON LAKE	1D16	1070	02	322	1548	1992	738	1992	738	1230	6
DOG MOUNTAIN	3A10	1080	26	225	1055	1474	363	2314	51	1261	53
BEAVER PASS	WA12	1120	31	175	770	1041	399	1849	94	785*	53
KLESILKWA	3D03A	1130	02	33	130	528	26	792	0	303	50
DUFFEY LAKE	1C28	1200	01	116	422	677	405	677	244	484	20

STAVE LAKE	1D08	1210	02	333	1684	1876	916	2421	579	1585	30
WAHLEACH LAKE	1D09	1400	02	155	607	844	276	1270	125	666	30
WAHLEACH LAKE	1D09P	1400	01	-	1045	1292	802	1292	634	873*	6
NAHATLATCH RIVER	1D10	1520	02	308	1437	1384	1126	2225	749	1426	30
EASY PASS	WA13	1580	Not Available			-	1118	3094	996	2061	31
CHILLIWACK RIVER	1D17P	1600	01	-	1279	1850	1140	1850	1040	1635	5
GREAT BEAR	1D15P	1660	01	-	1602	2300	1669	2300	1375	1607	6
TENQUILLE LAKE	1D06	1680	29	267	1148	1310	1072	1773	605	1167	45
NORTH THOMPSON											
BLUE RIVER	1E01B	670	27	48	190	425	322	425	186	286	15
PASS LAKE	1C04	870	01	No Snow		110	53	224	0	58	47
KNOUFF LAKE	1E05	1200	29	37	112	189	152	274	58	147	42
COOK FORKS	1E06	1390	28	182	669	1031	904	1394	530A	924	35
TRANQUILLE LAKE	1C03	1420	01	66	191	281	193	381	116	232	47
BOSS MOUNTAIN MINE	1C20P	1460	01	130	529	743	694	743	660	577	4
BOSS MOUNTAIN MINE	1C20	1500	27	144	514	702	632	782	397	583	30
MOUNT COOK	1E02A	1580	29	293	1153	1381	1468	1500	790A	1243	24
AZURE RIVER	1E08	1620	28	260	1052	1166	1333	1422	712	1034	28
AZURE RIVER	1E08P	1620	01	239	1125	1241	-	1241	1241	1241	1
ADAMS RIVER	1E07	1720	27	205	685	787	706	1016	435	710	28
KOSTAL LAKE	1E10P	1770	01	-	871	1009	980	1009	618	871	13
PORCUPINE RIDGE	1C02	1830	01	137	416	490	353	668	243	434	36
TROPHY MOUNTAIN	1E03A	1860	28	169	562	653	578	739	366	545	24
NORTH CLEMINA CREEK	1E13	1860	27	221	738	823	1003	1003	560	838*	9
SOUTH THOMPSON											

ANGLEMONT	1F02	1190	26	46	198	440	326	561	142	361	40
ABERDEEN LAKE	1F01A	1310	27	34	110	212	184	259	6	145	59
MONASHEE PASS	2E01	1370	26	76	282	517	408	517	205	346	49
BOULEAU LAKE	2F21	1400	29	82	278	436	336	564	201	351	27
ADAMS RIVER	1E07	1720	27	205	685	787	706	1016	435	710	28
KIRBYVILLE LAKE	2A25	1750	02	278	1114	1311	1443	1567	701	1126	25
SILVER STAR MOUNTAIN	2F10	1840	29	180	656	907	773	1115	414	726	39
PARK MOUNTAIN	1F03P	1890	01	-	751	1207	1008	1207	666	834	13
ENDERBY	1F04	1900	29	264	972	1234	1018	1316	610	988	35

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, 1998

Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	1998	1997	1996	Max.	Min.	Normal	No. Years Record
UPPER COLUMBIA											
CANOE RIVER	2A01A	910	27	5	16	121	107	262	0	123	57
DOWNIE SLIDE (LOWER)	2A27	980	02	130	584	970	826	970	465	710	21
GLACIER	2A02	1250	30	139	594	843	875	1161	371B	735	61
FIELD	2A03A	1280	04	26	93	230	222	251	8	151	58
SUNWAPTA FALLS	AL11	1400	31	52	136	245B	274	333	89	197*	29
VERMONT CREEK	2A19	1520	31	118	400	519	508	843	202	459	32
AZURE RIVER	1E08	1620	28	260	1052	1166	1333	1422	712	1034	28
AZURE RIVER	1E08P	1620	01	239	1125	1241	-	1241	1241	1241	1
DOWNIE SLIDE (UPPER)	2A29	1630	02	313	1354	1424	1656	1656	858	1231	20
KICKING HORSE	2A07	1650	04	84	282	442	392	589	211	357	50
KIRBYVILLE LAKE	2A25	1750	02	278	1114	1311	1443	1567	701	1126	25
MOUNT REVELSTOKE	2A06P	1830	01	-	1080	1351	1386	1386	709	1198	5
NORTH CLEMINA CREEK	1E13	1860	27	221	738	823	1003	1003	560	838*	9

FIDELITY MOUNTAIN	2A17	1870	28	274	1078	1429	1572	1951	730	1245	35
BEAVERFOOT	2A11	1890	31	62	160	301	265	460	105	227	38
KEYSTONE CREEK	2A18	1890	02	189	689	928	825	1278	548	817	31
GOLDSTREAM	2A16	1920	02	268	1060	1272	1421	1638	785	1125	34
BUSH RIVER	2A23	1920	02	173	634	915	1014	1331	455	850	31
NIGEL CREEK	AL10	1920	31	111	310	478B	598	700	198	431*	29
MOUNT ABBOT	2A14	1980	27	294	1059	1358	1556	1849	698	1258	39
MOLSON CREEK	2A21P	1980	01	-	841	1089	-	1166	651	1003	15
SUNBEAM LAKE	2A22	2010	02	186	647	954	1028	1384	600	916	31
MIRROR LAKE	AL06	2030	30	91	246	434	389	561	160	303*	58
BOW SUMMIT II	AL07A	2080	30	100	257	462	527	584B	206	370*	19
LOWER COLUMBIA											
FERGUSON	2D02	880	31	97	446	783	706	790	142	576	60
BAIRD	WA02	980	31	53	188	363	117	363	0	149*	38
FARRON	2B02A	1220	01	89	347	447	344	480	167	338	25
MONASHEE PASS	2E01	1370	26	76	282	517	408	517	205	346	49
WHATSHAN (UPPER)	2B05	1480	29	144	591	928	737	928	427	647	40
BARNES CREEK	2B06	1620	26	119	447	768	627	768	321	509	41
BARNES CREEK	2B06P	1620	01	-	446	773	656	773	471	602*	5
ST. LEON CREEK	2B08	1800	29	296	1195	-	1600	1831	818	1201	30
ST. LEON CREEK	2B08P	1800	01	-	1050	1260	-	1260	712	1102	4
KOCH CREEK	2B07	1860	29	196	735	917	809	1034	424	742	39
RECORD MOUNTAIN	2B09	1890	28	222	826	978	620	1091	315	775	23
EAST CREEK	2D08P	2030	01	-	731	900	1187	1245	466	897	17

EAST KOOTENAY											
KISHENEHN	MT01	1190	27	51	168	363	201	465	36	205*	51
FERNIE EAST	2C07	1250	30	75	238	468	254	605	151	370	46
UPPER ELK RIVER	2C06	1340	30	16	54	140	60	345	0	116	50
SINCLAIR PASS	2C01	1370	31	32	97	194	160	262A	36	134	61
MARBLE CANYON	2C05	1520	26	92	278	464	489	587A	168	352	51
BRUSH CREEK TIMBER	MT03	1520	30	30	79	312	152	434	76	254*	46
SULLIVAN MINE	2C04	1550	30	64	219	468	405	538	137	324	52
WEASEL DIVIDE	MT02	1660	27	188	671	-	899	1346	432	834*	57
KIMBERLEY (MIDDLE)V O R	2C12	1680	30	64	201	394	298	462	163	298	29
BANFIELD MOUNTAIN	MT05	1710	31	89	371	-	521	919	290	549*	28
MOUNT JOFFRE	2C16	1750	31	115	340	476	505	711	188	376	29
MORRISSEY RIDGE	2C09Q	1800	01	-	664	1035	812	1224	492	751	14
RED MOUNTAIN	MT04	1830	31	96	348	726	561	810	211	487*	59
MOYIE MOUNTAIN	2C10P	1930	01	-	424	-	-	624	216	387*	18
MOYIE MOUNTAIN	2C10	1940	29	104	350	662	412	747P	170	450	28
HAWKINS LAKE	MT06	1970	27	165	572	-	798	1313	399	768*	27
ALLISON PASS	AL01	1980	30	146	432	622	556	823	302	497*	34
WILKINSON SUMMIT (BUSH)	AL03	1980	30	85	206	213	221	460	112	221*	34
THUNDER CREEK	2C17	2010	31	87	260	383	334	475	171	279	28
FLOE LAKE	2C14	2090	31	173	620	924	897	1242	411	762	28

FLOE LAKE	2C14P	2090	01	-	551	840	795	840	360	674	3
KIMBERLEY (UPPER) V O R	2C11	2140	30	112	326	618	616	798	234	488	29
HIGHWOOD SUMMIT (BUSH)	AL02	2210	30	127	356	465	526	681	244	399*	28
MOUNT ASSINIBOINE	2C15	2230	31	145	450	631	701	816	295	530	29
SUNSHINE VILLAGE	AL05	2230	31	140	417	693	744	996	340	614*	31
WEST KOOTENAY											
DUNCAN LAKE NO. 2	2D07A	650	26	No Snow		223	178	223	0	101*	7
FERGUSON	2D02	880	31	97	446	783	706	790	142	576	60
NELSON	2D04	930	30	84	350	606	332	622	137	380	60
SANDON	2D03	1070	29	69	320	450	401	585	71	352	59
CHAR CREEK	2D06	1310	31	120	461	823	513	940	302	584	32
SMITH CREEK	ID01	1460	01	244	1052	-	960	1791	587	1116	56
BUNCHGRASS MEADOW	WA01	1520	Not Available			1107	561	1173	340	742*	57
GRAY CREEK (LOWER)	2D05	1550	27	119	394	628	440	688	290	467	50
ARROW CREEK	2D11	1620	Not Measured			1005	800	1005	474	743	20
KOCH CREEK	2B07	1860	29	196	735	917	809	1034	424	742	39
MOUNT TEMPLEMAN	2D09	1860	31	223	860	1260	1259	1608	688	1057	29
GRAY CREEK (UPPER)	2D10	1910	27	194	620	938	830	1123	524	793	29
EAST CREEK	2D08P	2030	01	-	731	900	1187	1245	466	897	17
KETTLE											
TRAPPING CREEK (LOWER)	2E05	930	29	13	42	124	114	218	0	80	32
FARRON	2B02A	1220	01	89	347	447	344	480	167	338	25
GOAT CREEK	WA04	1220	30	38	142	150	53	274	0	111*	34

CARMI	2E02	1250	29	29	90	200	146	290	14	150	35
TRAPPING CREEK (UPPER)	2E04A	1350	28	37	126	286	150	286	26	210	14
MONASHEE PASS	2E01	1370	26	76	282	517	408	517	205	346	49
SUMMIT G.S.	WA05	1400	31	66	224	305	173	338	23	205*	35
BIG WHITE MOUNTAIN	2E03	1680	28	131	484	658	530	762	358	479	32
GRANO CREEK	2E07P	1860	01	-	578	-	-	-	-	-	0
BLUEJOINT MOUNTAIN	2E06	2040	29	205	791	1010	-	1010	378	727	20
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	26	56	176	339	256	389	96	230	61
MC CULLOCH	2F03	1280	30	46	156	206	146	249	38	159	60
ABERDEEN LAKE	1F01A	1310	27	34	110	212	184	259	6	145	59
OYAMA LAKE	2F19	1340	31	51	171	255	218	255	61	162	27
POSTILL LAKE	2F07	1370	31	60	198	286	261	348	109	220	47
BOULEAU LAKE	2F21	1400	29	82	278	436	336	564	201	351	27
VASEUX CREEK	2F20	1400	01	41	142	186	148	239	82	160	27
TROUT CREEK	2F01	1430	30	48	145	260	232	396	52	175	61
ESPERON CR (MIDDLE)	2F14	1430	28	85	292	460	368	607	224	362	30
BRENDA MINE	2F18	1460	30	77	263	398B	334	531	190	325	29
BRENDA MINE	2F18P	1460	01	-	317	497	469	497	227	356	5
ISLAHT LAKE	2F24	1480	26	89	327	460	376	462	222	341	15
GREYBACK RESERVOIR	2F08	1550	01	71	236	326	268	351	114	228	44
ESPERON CR (UPPER)	2F13	1650	28	101	360	536	390	805	270	432	29
ISINTOK LAKE	2F11	1680	27	44	112	203	207	424	66	181	33
MACDONALD LAKE	2F23	1740	30	127	440	554B	464	616	257	441	21

MUTTON CREEK NO. 1	WA07	1740	02	122	447	444	312	721	79	340*	57
MISSION CREEK	2F05P	1780	01	125	439	-	388	683	278	468	26
GRAYSTOKE LAKE	2F04	1810	31	85	304	456	330	828	206	412	28
MOUNT KOBAU	2F12	1810	29	112	380	375	311	602	105	322	32
WHITEROCKS MOUNTAIN	2F09	1830	02	144	508	650	500	1021	323	584	43
SILVER STAR MOUNTAIN	2F10	1840	29	180	656	907	773	1115	414	726	39
SIMILKAMEEN											
BROOKMERE	1C01	980	27	53	180	296	275	399	92	211	53
FREEZEOUT CREEK TRAIL	WA11	1070	01	58	208	508	122	665	8	306*	53
LIGHTNING LAKE	3D02	1220	31	71	272	462	334	622	140	315	50
HAMILTON HILL	2G06	1490	02	64	232	466	363	851	164	373	38
MISSEZULA MOUNTAIN	2G05	1550	01	58	184	304	252	516B	104	235	37
ISINTOK LAKE	2F11	1680	27	44	112	203	207	424	66	181	33
LOST HORSE MOUNTAIN	2G04	1920	26	70	192	262	256	533	146E	235	35
BLACKWALL PEAK	2G03P	1940	01	-	668	1080	863	1494	400	841	30
HARTS PASS	WA09	1980	30	249	958	1201	1118	1725	541	1086	55

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

April 1, 1998

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm) 1998	1997	1996	Max.	Min.	Normal	No. Years Record
SOUTH COASTAL											
PALISADE LAKE	3A09	880	Not Available		1699	447	2845	285	1502	51	
PALISADE LAKE	3A09P	880	Not Available		-	-	678	678	678*	1	
POWELL RIVER (LOWER)	3A05	910	Not Measured		992Z	85	1466	85	771	39	
CHAPMAN CREEK	3A26	1022	01	316	1580	1648	704	1660	704	1242	5
POWELL RIVER (UPPER)	3A02	1040	Not Measured		1296	511	1674	467	1023	36	
CALLAGHAN CREEK	3A20	1040	31	177	836	1064	370	1570	192	973	21
EDWARDS LAKE	3A27	1070	01	231	1068	1286	398	1286	398	890*	5
DOG MOUNTAIN	3A10	1080	26	225	1055	1474	363	2314	51	1261	53
GROUSE MOUNTAIN	3A01	1100	26	266	1212	1714	544	2497	44	1263	62
ORCHID LAKE	3A19	1190	Not Available		2150	1111	3353	980	1992	26	
ORCHID LAKE	3A19P	1190	Not Measured		-	-	2614	1241	1906	12	

UPPER SQUAMISH RIVER	3A25P	1340	01	384	1703	1853	1208	1853	1144	1620	8
DIAMOND HEAD	3A21	1420	26	322	1445	1750	995	1923	780	1454	20
NOSTETUKO RIVER	3A22P	1500	01	-	549	579	738	823	359	584*	8
UPPER MOSELY CREEK	3A24P	1650	01	-	155	201	320	567	158	299	9
TATLAYOKO LAKE	3A13	1710	01	67	169	225	338	563	74	252	46
VANCOUVER ISLAND											
ELK RIVER	3B04	270	01	No Snow		0	0	607	0	126	36
WOLF RIVER (LOWER)	3B19	640	01	101	472	516	0	945	0	403	26
TENNENT LAKE	3B22	950	01	251	1080	1390	-	1390	432	954	12
UPPER THELWOOD LAKE	3B10	980	01	371	1636	1578	-	2774	492	1591	38
MARGARET LAKE	3B21	1040	02	457	2230	2058	-	2570	540	1874	21
WOLF RIVER (MIDDLE)	3B18	1070	01	209	884	730	204	1290	0	676	26
FORBIDDEN PLATEAU	3B01	1130	01	403	1908	1550	748	2619	413	1639	43
JUMP CREEK	3B23P	1160	01	229	1170	1643	401	1643	401	1022	2
NEWCASTLE RIDGE	3B14	1170	31	484	2132	-	854	2276	379	1590	34
MOUNT COKELY	3B02A	1190	28	213	938	824	368	1342	331	873	18
SPROAT LAKE	3B20	1220	02	388	1690	1551	-	2265	462	1653	21
SNO-BIRD LAKE	3B16	1400	02	305	1421	1590	699	2245	408	1364	31

WOLF RIVER (UPPER)	3B17P	1490	01	-	1878	1335	908	1852	796	1474	10
NORTH COASTAL											
WEDEENE RIVER SOUTH	3C07	300	27	36	149	577	293	577	36	323	14
TAHTSA LAKE	1B02	1300	26	269	1105	1401	1264	1554	775	1117	45
TAHTSA LAKE	1B02P	1300	01	-	1271	1551	-	1551	860	1281	5
BURNT BRIDGE CREEK	3C08P	1330	01	-	201	-	-	-	-	-	0
SKAGIT											
SUMALLO RIVER WEST	3D01C	790	27	31	110	512B	0	512B	0	23*	6
FREEZEOUT CREEK TRAIL	WA11	1070	01	58	208	508	122	665	8	306*	53
BEAVER PASS	WA12	1120	31	175	770	1041	399	1849	94	785*	53
KLESILKWA	3D03A	1130	02	33	130	528	26	792	0	303	50
LIGHTNING LAKE	3D02	1220	31	71	272	462	334	622	140	315	50
HARTS PASS	WA09	1980	30	249	958	1201	1118	1725	541	1086	55

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, 1998

Snow Survey Measurements

					WATER EQUIVALENT (mm)						
Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	1998	1997	1996	Max.	Min.	Normal	No. Years Record
PEACE											
FORT ST. JOHN A	4A25	690	28	31	82	196	154	210	0	111	24
MACKENZIE A	4A19	700	29	56	172	300	268	361	0	223	26
PACIFIC LAKE	1A11	770	26	112	379	830	478	879	290	623	35
BULLHEAD MOUNTAIN	4A28	790	30	35	89	168	140	168	0	118	13
MC LEOD LAKE	4A01	980	28	58	189	388	240	388	60	219	38
WARE (LOWER)	4A04	980	28	47	129	199	267	316	112B	183	35
PHILIP LAKE	4A13	980	27	74	216	423	312	423	180	288	35
AIKEN LAKE	4A30P	1040	01	-	217	262	360	371	206	278*	11
TUTIZZI LAKE	4A06	1070	27	72	214	278	340	406	166	249	35
TSAYDAYCHI LAKE	4A12	1160	27	107	329	510	458	584	234	392	35
PINK MOUNTAIN	4A14	1170	28	42	102	161B	174	175	20	87	34
KAZA lAKE	1A12	1190	27	107	296	389	442	453	226	330	33
PULPIT LAKE	4A09	1310	28	119	347	410	447	556	297	400	35
PULPIT LAKE	4A09P	1310	01	-	384	421	500	500	390	395	7
FREDRICKSON LAKE	4A10	1310	27	66	165	237	321	351	163B	249	35

PINE PASS	4A02P	1400	01	-	1033	1116	-	1530	1116	1120	6
TRYGVE LAKE	4A11	1400	27	113	305	331	421	493	257	357	35
SIKANNI LAKE	4C01	1400	28	87	211	273	354	380	166	264	35
PINE PASS	4A02	1430	26	284	1080	1351	1252	1562	668	1129	36
MORFEE MOUNTAIN	4A16	1450	26	186	706	1097	1059	1158	555	857	30
LADY LAURIER LAKE	4A07	1460	28	147	443	485	659	737	342	493	34
MOUNT SHEBA	4A18	1490	26	182	637	1140	783	1146	495	815	29
GERMANSEN (UPPER)	4A05	1500	27	109	315	429	361	523	200	346	36
MOUNT STEARNS	4A21	1500	28	64	157	169	239	239	76	161	23
JOHANSON LAKE	4B02	1540	27	95	259	284	401	417	173	286	35
MONKMAN CREEK	4A20	1550	26	131	369	730A	-	1067	347	626	20
WARE (UPPER)	4A03	1570	28	100	281	232	390	390	157	253	35
BULLMOOSE CREEK	4A31	1570	Not Available			628	654	698	312	545*	10
KWADACHA RIVER	4A27	1620	28	117	310	-	430	480	272	358	14
KWADACHA RIVER	4A27P	1620	Not Measured			306	387	446	240	332	14
SKEENA/NASS											
TERRACE A	4B13A	180	30	No Snow		228	38	333	0	74*	18
BEAR PASS	4B11A	460	28	103	408	673	591	900	492	773	14
NINGUNSAW PASS	4B10	690	29	69	231	480Z	428	620	267	422	23
GRANDUC MINE	4B12	790	31	337	1380	1790	1625	1834	1152	1447	22
MCKENDRICK CREEK	4B07	1050	27	73	243	398	323	427	183	297	30

TACHEK CREEK	4B06	1140	30	65	184	362	282	362	112	218	30
KAZA LAKE	1A12	1190	27	107	296	389	442	453	226	330	33
LU LAKE	4B15	1300	31	85	232	484	360	484	170	310	21
LU LAKE	4B15P	1310	01	-	225	-	-	-	-	-	0
TSAI CREEK	4B17P	1360	01	-	1054	-	-	-	-	-	0
KIDPRICE LAKE	4B01	1370	26	210	840	1095	969	1247	622	888	44
TRYGVE LAKE	4A11	1400	27	113	305	331	421	493	257	357	35
EQUITY MINE	4B14	1420	31	116	358	640	452	640	258	357	21
CHAPMAN LAKE	4B04	1460	27	135	460	641	601	762	315	461	33
HUDSON BAY MTN.	4B03A	1480	31	133	463	698	520	846	356	515	26
MOUNT CRONIN	4B08	1480	27	166	574	725	613	1097	433	624	29
SHEDIN CREEK	4B16P	1480	01	180	791	896	1039	1039	896	968*	2
JOHANSON LAKE	4B02	1540	27	95	259	284	401	417	173	286	35
LIARD											
FORT NELSON A	4C05	380	30	11	23	104	186	198	36	105	32
WATSON LAKE A	YK01	700	30	56	115	116	185	229	71	124*	31
FRANCES RIVER	YK02	730	30	70	157	131	174	302	76	150*	21
DEASE LAKE	4C03	820	26	29	56	147	187	259	66	144	33
BLUFF CREEK	4C11P	1040	Not Measured			-	344	344	140	254	4
SUMMIT LAKE	4C02	1280	01	No Snow		-	240	240	0	122	31
DEADWOOD RIVER	4C09P	1300	01	-	70	113	229	283	113	198*	4
CASSIAR	4C04	1390	28	112	312	-	318	582	163	327	32
SIKANNI LAKE	4C01	1400	28	87	211	273	354	380	166	264	35

STIKINE/ TAKU											
SPEEL RIVER	AK03	80	31	109	411	691	475	1402	300	792*	29
FORREST-KERR CREEK	4D08P	560	01	-	390	509	588	671	509	577*	5
TELEGRAPH CREEK	4D01	580	28	30	75	58	159	343	37	155	23
NINGUNSAW PASS	4B10	690	29	69	231	480Z	428	620	267	422	23
DEASE LAKE	4C03	820	26	29	56	147	187	259	66	144	33
ISKUT	4D02	1000	30	23	52	100Z	130	167	0	120	23
KINASKAN LAKE	4D11P	1020	01	-	287	277	351	570	277	368	7
TUMEKA CREEK	4D10P	1220	01	-	482	457	622	869	457	638	8
WADE LAKE	4D14P	1370	01	-	293	-	421	527	232	406	6
UPPER STIKINE	4D13P	1450	01	-	408	402	512	689	402	474	8
YUKON											
ATLIN LAKE	4E02A	730	29	44	105	101	130	197	50	124*	14
LOG CABIN	4E01	880	27	112	351	299	354	596	213	331	38
PINE LK AIRSTRIP	YK03	1010	31	98	256	191	184	351	122	222*	22
MONTANA MTN.	YK05	1020	27	49	104	-	-	185	84	137*	16
TAGISH	YK04	1080	30	57	110	142	167B	177	73	138*	21

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