SNOWPACK and WATER SUPPLY OUTLOOK
in
BRITISH COLUMBIA

March 1, 1997

The March 1 snow survey has been conducted throughout the province with a total of 190 snow courses being measured. These readings, together with data from 42 snow pillows, 24 snow courses from adjacent jurisdictions and weather and flow data provided by Environment Canada have been used in making the following reports.

Snowpack

Accumulations of snow around the province during February were generally below normal. This means that many areas which were above normal a month ago are now close to normal. The snowpacks in the Stikine River basin in the north and Vancouver Island on the west are both below normal while those in the South Thompson, the Kootenays and the Similkameen are above normal and the Okanagan-Kettle is well above normal. Elsewhere snowpacks are within 10% of their normal readings for this date.

Weather

The majority of the province received less than normal precipitation during February - the exceptions were the Nechako and Liard basins and the Peace River area which were slightly above normal. November through February accumulations, however, remain above normal for all areas except Vancouver Island and the northwest regions of the province. Mean temperatures during February varied from 6°C above normal at the Alaskan border to just below normal in the Okanagan.

Outlook

Snow can be expected to accumulate at higher elevations for at least another month, about 80% of the peak snowpack typically having fallen by March 1. This means that the weather in the next 4 to 6 weeks will have an effect on the volume of snow available for runoff during the freshet. However, unless conditions alter substantially, it appears that runoff volumes will be well above normal in the Nicola, South Thompson, Similkameen, Okanagan, Kettle, lower Columbia and Kootenays and above normal elsewhere with the exception of the northwest and Vancouver Island. Whether these higher volume runoffs result in flooding is dependent on the weather patterns during the melt in May and June.

UPPER FRASER AND NECHAKO

Precipitation during February was a little below normal with the accumulated precipitation since the beginning of November about 11% above normal. February mean temperatures were about 2°C above normal.

Snowpack accumulations during February were a little above normal with the result that the regional snow water equivalent index has risen from normal at the beginning of the month to 3% above normal by the end. The western portions of the basin including the Nechako River and reservoir and the Stuart River, have snowpacks that are more above normal than the rest of the basin.

The natural flow as indicated by the Fraser River at Marguerite was a little below normal for the month.

MIDDLE AND LOWER FRASER

Lower than normal precipitation during February has resulted in less than normal accumulations at most snow courses. As a result, the regional snowpack indices are for 107% and 110% of normal for the middle and lower Fraser basins, respectively.

Snowpacks along the eastern boundary of the middle Fraser are well above normal with above normal volume runoff likely in the Quesnel, Williams Lake and Deadman Rivers. In the Nicola basin the snowpack is at near record levels. For example, Spahomin snowcourse (1C30) which has 17 years of data at this sampling period, reports a record high water equivalent, 25% greater than previously recorded.

Peak flows during the freshet will depend on weather patterns during the remainder of the accumulation period and through the melt season. With near-record runoff possible in the Nicola basin, every effort will be made to draw down the lake to provide as much storage as possible. However, high lake levels and outflows seem quite likely. The volume runoff of the Fraser River at Hope is likely to be a little above normal, but unless there are abnormal weather patterns in the next few months, damaging flooding in the lower mainland area is not likely.

NORTH AND SOUTH THOMPSON

Temperatures close to normal and precipitation below normal during the month of February resulted in below normal accumulations of snow. This has resulted in a dramatic reduction in the regional snowpack index in the South Thompson basin from 44% above normal a month ago to 22% above normal now. The corresponding figures for the North Thompson basin are 117% and 107%.

Despite this, volume runoff is anticipated to be above normal in the North Thompson and well above normal in the South Thompson basin. As a result, higher than normal peak flows can be

anticipated during the freshet but whether flood stage will be reached will depend on the weather patterns in the next month and on melt patterns during the freshet in May and June.

The natural flow as indicated by the flow in the Thompson River near Spences Bridge continued to be above normal during February.

UPPER AND LOWER COLUMBIA

Precipitation in the Columbia Basin during February was estimated at 73% of normal with the November through February accumulation dropping from 140% on February 1 to 128% on March 1. The valley temperatures for February were about 0.5°C above normal.

Basin runoff, as indicated by the Columbia River at Donald, remained near the 1961-90 normal during February.

EAST AND WEST KOOTENAY

The regional snowpack has decreased from 136% of normal a month ago to 124% of normal as of March 1, as a result of below normal precipitation during February. Snow courses report well above normal snow packs in many areas of both the East and West Kootenays. In the East Kootenay, Sinclair Pass (2C01), for example, reports 147% of normal and Gray Creek Lower (2D05), in the West, is 146% of normal.

The mean temperature at valley stations during February was about 0.5°C above normal. February precipitation was reported to be well below normal at only 56% of its 30-year normal, considerably lower than the preceding 4 months.

Runoff in the basin, indicated by the Kootenay River at Fort Steele remains close to the 1961 to 1990 normal, however with the heavy snowpacks, runoff from unregulated watersheds during the freshet can be expected to exceed normal volumes. Peak flows will depend on weather patterns during the freshet.

OKANAGAN, SIMILKAMEEN AND KETTLE

Temperatures were a little below normal during February and this, combined with below normal precipitation, resulted in near normal snowpack accumulations in the Okanagan and Kettle valleys where the regional snowpack is estimated at 132% of normal compared with 135% a month ago. In the Similkameen basin, February accumulations were below normal and the regional snowpack index has dropped from 135% of normal a month ago to 117% on March 1.

Seasonal volume runoff is expected to be above normal in all three basins and this will probably result in above normal peak flows. Whether flows and lake levels reach flood stage will depend largely on weather patterns over the next three or four months, particularly during the snowmelt in May and June. In anticipation of above normal runoff, releases from both Kalamalka and Okanagan lakes have been as high as practicable for some time to provide as much storage space

for the freshet runoff as possible. High flows in the Okanagan River channel are likely throughout the spring.

Inflow to Okanagan Lake during February was more than twice normal. This was the 19th consecutive month in which inflows to the lake were greater than normal. Despite this, Okanagan Lake is now lower than it was at this time last year.

SOUTH COASTAL AND VANCOUVER ISLAND

March 1 snowpack patterns in the South Coast region continue the trends established earlier this winter. Snowcourses in the lower mainland area are above normal, while the snowpack farther north is below normal. February precipitation at low elevation weather stations was below normal, bringing the November through February total to 109% of normal.

Vancouver Island snow surveys indicate a March 1 snowpack that is below normal, especially at lower elevation snow courses. Precipitation was well below normal for February, and the seasonal total is near normal.

For both the South Coast and Vancouver Island, mean monthly temperatures were a little below normal for September through December, but have warmed to about 1°C above normal for January and February.

Inflow to Upper Campbell Lake on Vancouver Island was below normal for February. Inflow has been quite variable throughout this winter - this is not uncommon for coastal watersheds where winter runoff depends highly on storm paths and temperatures.

NORTHEASTERN

The overall March 1 snowpack in the Peace River basin is near normal, but some low elevation snow courses report record high water content for this date. The Liard basin snowpack is also near normal for this date, which is an increase compared to last month.

Based on very little data, precipitation at weather stations in the Peace was near normal for February, while the total since November is above normal. In the Liard basin, February precipitation was above normal but the seasonal total remains below normal. February mean temperatures in northeastern British Columbia ranged from 3 to 6°C above normal, reversing the cold trend of the preceding months.

Inflow to Williston Lake is used as an indicator of regional runoff - this was normal for November and above normal for December through February.

NORTHWESTERN

Overall snowpack in the Skeena-Nass accumulated less than the normal amount during February with the snowpack index for this very large area estimated to be 105% of normal. However, March 1 surveys show several snow courses in the headwaters of the Babine and Bulkley Rivers

have record high water equivalents. To the north in the Stikine-Taku and Yukon River basins, most snow courses report below normal water content for March 1 surveys.

Precipitation measured at weather stations in February was below normal near Terrace and Smithers, but above normal farther north. Temperatures have been colder than normal since September, but this trend reversed during February with mean temperatures varying from 2°C above normal near Smithers to 6°C above normal near the Yukon border.

Streamflow in the Skeena River at Usk was just below normal for February, up somewhat from the preceding three months. These low flows are likely due to the cold temperatures experienced this winter.

FRASER

March 1, 1997

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm) 1997	1996	1995	Max.	Min.	Normal	No. Years Record
UPPER FRASER											
PRINCE GEORGE A	1A10	690	28	45	188	145	82	296	33	142	35
PACIFIC LAKE	1A11	770	27	198	677	440	532	832	277	544	34
MCBRIDE (LOWER)	1A22	790	28	63	166	108	74	280	44	154	22
BURNS LAKE	1A16	800	28	85	240	174	-	240	60	136	25
FORT ST.JAMES	1A07	810	23	85	218	144	120B	277	68	154	42
CANOE RIVER	2A01A	910	24	42	119	142	82	251	32	133	56
PHILIP LAKE	4A13	980	28	117	352	288	215	382	152	249	33
HEDRICK LAKE	1A14	1100	27	222	729	548	452	954	330	588	29
MCBRIDE (MIDDLE)	1A20	1160	28	124	350	298	264	411	174	337	23
BIRD CREEK	1A23	1180	26	85	232	142	148A	170	102	132*	7
KAZA LAKE	1A12	1190	28	122	326	397	226	478	186	282	31
LU LAKE	4B15	1300	28	125	406	356	260	356	172	274	18
FORFAR CREEK (UPPER)	1A24	1410	27	180	648	546	470	546	408	475*	3
EQUITY MINE	4B14	1420	25	153	514	460	340	462	234	302	19
MOUNT SHEBA	4A18	1490	27	250	901	730	737	1037	394	697	26
BARKERVILLE	1A03P	1520	01	-	375	-	-	479	194	324	18
MC BRIDE (UPPER)	1A02	1580	28	131	362	356	339	594	182	389	43

KNUDSEN LAKE	1A15	1580	27	218	679	687	544	1098	422	772	26
NARROW LAKE	1A21	1650	25	283	939	632	703	1300	419	739	22
REVOLUTION CREEK	1A17P	1690	01	-	654	745	622	1119	622	759	11
LONGWORTH (UPPER)	1A05	1740	27	279	870	632	514	1104	307	637	39
DOME MOUNTAIN	1A19	1820	24	213	689	538	601	981	351	680	23
MARMOT JASPER	AL12	1830	26	82	213	251	183	314	111	210*	13
YELLOWHEAD	1A01	1860	24	140	414	624	468	660	185	438	26
YELLOWHEAD	1A01P	1860	01	140	439	-	-	-	-	-	0
HOLMES RIVER	1A18	1900	24	202	571	662	572	910	321	642	23
NECHAKO											
SKINS LAKE	1B05	880	28	56	160	159	110A	226	54	119	33
TAHTSA LAKE	1B02	1300	26	270	1019	1119	1171	1405	571	980	45
TAHTSA LAKE	1B02P	1300	01	-	1158	-	1198	1198	661	953*	3
KIDPRICE LAKE	4B01	1370	26	225	838	988	821	1101	429	773	45
MOUNT PONDOSY	1B08P	1400	01	-	799	853	887	887	405	684*	4
MOUNT WELLS	1B01	1490	27	154	555	549	437	886	277	455	44
MOUNT WELLS	1B01P	1490	01	-	607	597	469	597	396	493	4
NUTLI LAKE	1B07	1490	27	157	511	624	539	651	304	523*	6
MOUNT SWANNELL	1B06	1620	26	112	300	295	232	446	189	274*	8
MIDDLE FRASER											
PASS LAKE	1C04	870	27	50	112	118	78	196	0	93	37
PUNTZI MOUNTAIN	1C22	940	27	18	66	128	44	128	0	62	26
BROOKMERE	1C01	980	04	100	289	226	185	351	53	200	52
NAZKO	1C08	1070	02	45	107	81	45	155	0	83	20
BIG CREEK	1C21	1140	28	18	40	90	37	112	0	54	25
GRANITE MOUNTAIN	1C33	1150	28	85	254	215	133	215	133	184*	4
DUFFY LAKE	1C28	1200	28	155	556	356	472	606	194	442	18
PAVILION	1C06	1230	02	33	89	54	61	168	0	82	40

LAC LE JEUNE (LOWER)	1C07	1370	25	58	163	88	130	244	20	112	38
CONANT LAKE	1C31	1370	23	93	267	187	213	222	102	196	14
BRIDGE GLACIER (LOWER)	1C39	1400	25	142	476	590	620	620	590	605*	2
TRANQUILLE LAKE	1C03	1420	27	90	226	182	192	307	99	199	36
DEADMAN RIVER	1C32	1430	28	49	110	74	71	170	62	112	13
BRALORNE	1C14	1450	25	71	212	119	218	363	0	166	33
BONAPARTE LAKE	1C34	1450	26	114	312	308	254	309	254	283*	4
SHOVELNOSE MOUNTAIN	1C29	1450	23	92	309	244	256	303	104	258	16
SPAHOMIN	1C30	1450	28	57	160	80	88	128	33	90	17
BOSS MOUNTAIN MINE	1C20P	1460	01	171	604	619	570	619	570	503	3
BRENDA MINE	2F18P	1460	01	-	412	427	339	427	220	329	4
LAC LE JEUNE (UPPER)	1C25	1460	25	72	213	105	169	213	13A	141	24
BRENDA MINE	2F18	1460	25	108	337	354	284	495	130	292	28
BOSS MOUNTAIN MINE	1C20	1500	23	183	604	588	557	664	348	489	28
HIGHLAND VALLEY	1C09A	1510	26	63	149	59	84	229	25A	95	31
BARKERVILLE	1A03P	1520	01	-	375	-	-	479	194	324	18
FISH LAKE	1C35	1540	24	25	57	74	155	162	74	130*	3
HORSEFLY MOUNTAIN	1C13A	1550	26	168	536	568	388	624	238	379	25
FISH LAKE NO. 2	1C35A	1550	24	28	46	-	-	-	-	-	0
GNAWED MOUNTAIN	1C19	1580	26	65	146	62	110	259	15	123	29
GREEN MOUNTAIN	1C12	1630	25	156	514	685	-	909	196	554	33
MOUNT TIMOTHY	1C17	1660	02	124	363	329	243	439	141	285	34
YANKS PEAK EAST	1C41P	1670	01	268	818	-	-	-	-	-	0

PENFOLD CREEK	1C23	1680	25	275	970	966	846	1132	494	816	22
YANKS PEAK	1C24	1710	25	234	755	693	646	964	366	653	23
TATLAYOKO LAKE	3A13	1710	01	56	139	323	274	485	63	226	33
GREEN MOUNTAIN	1C12P	1780	01	-	704	887	923	923	690	833*	3
MCGILLIVRAY PASS	1C05	1800	25	160	574	538	592	1016	222	512	45
PORCUPINE RIDGE	1C02	1830	Not Measured			304	341	472	202	355	27
MISSION RIDGE	1C18P	1850	01	-	500	561	607	866	269	529	10
DOWNTON LAKE (UPPER)	1C38	1890	25	187	662	964	928	964	928	946*	2
TYAUGHTON CREEK (NORTH)	1C40	1950	25	135	416	388	420	420	388	404*	2
PAVILION MOUNTAIN	1C36	1960	02	87	248	197	230	230	197	214*	2
BRALORNE (UPPER)	1C37	1980	25	170	612	634	748	748	634	691*	2
LOWER FRASER											
WOLVERINE CREEK	1D13	300	01	64	230	120	100	226	0	139	21
SUMMALLO RIVER WEST	3D01C	790	28	119	442	89	188	202	79	139*	5
BROOKMERE	1C01	980	04	100	289	226	185	351	53	200	52
DISAPPOINTMENT LAKE	1D18P	1040	01	-	1284	-	1746	1746	1746	1746	1
CALLAGHAN CREEK	3A20	1040	03	201	720	454	852	1260	200	853	19
DICKSON LAKE	1D16	1070	Not Measured			542	1358	1358	542	980*	6
DOG MOUNTAIN	3A10	1080	26	253	1170	345	1197	1197	345	1011	13
BEAVER PASS	WA12	1120	26	231	924	411	610	1240	30	642*	48
KLESILKWA	3D03A	1130	28	132	508	62	102	759	0	283	46
DUFFEY LAKE	1C28	1200	28	155	556	356	472	606	194	442	18
STAVE LAKE	1D08	1210	04	318	1190	846	1353	2047	353	1335	30
WAHLEACH LAKE	1D09	1400	28	164	604	323	382	1072	86	521	30

WAHLEACH LAKE	1D09P	1400	01	-	1213	698	741	826	646	721*	5
NAHATLATCH RIVER	1D10	1520	04	307	1190	1067	1220	1897	450	1193	28
EASY PASS	WA13	1580	24	508	2388	1346	2184	2913	478	1659	34
CHILLIWACK RIVER	1D17P	1600	01	-	1567	1050	-	1157	827	1338	4
GREAT BEAR	1D15P	1660	01	-	1669	1490	1752	1752	708	1254	6
TENQUILLE LAKE	1D06	1680	27	251	940	965	1148	1539	410	973	43
NORTH THOMPSON											
BLUE RIVER	1E01B	670	28	127	410	341	271	360	224	291	14
PASS LAKE	1C04	870	27	50	112	118	78	196	0	93	37
KNOUFF LAKE	1E05	1200	01	62	166	141	126	284	36	134	38
COOK FORKS	1E06	1390	28	251	880	906	722	1288	453	782	34
TRANQUILLE LAKE	1C03	1420	27	90	226	182	192	307	99	199	36
BOSS MOUNTAIN MINE	1C20P	1460	01	171	604	619	570	619	570	503	3
BOSS MOUNTAIN MINE	1C20	1500	23	183	604	588	557	664	348	489	28
MOUNT COOK	1E02A	1580	01	318	1142	1283	1032	1311	573	1024	23
AZURE RIVER	1E08	1620	25	254	911	1262	958	1262	475	875	23
AZURE RIVER	1E08P	1620	01	233	923	-	-	-	-	-	0
ADAMS RIVER	1E07	1720	26	189	650	660	638	777	262	564	26
KOSTAL LAKE	1E10P	1770	01	-	822	874	709	887	519	721	12
PORCUPINE RIDGE	1C02	1830	Not Measured			304	341	472	202	355	27
TROPHY MOUNTAIN	1E03A	1860	01	177	566	455	412	619	281	447	22
NORTH CLEMINA CREEK	1E13	1860	24	192	554	860	709	899	355	717*	8
SOUTH THOMPSON											
ANGLEMONT	1F02	1190	27	137	494	342	328	635	200	332	40
ABERDEEN LAKE	1F01A	1310	26	79	218	195	122	231	51	144	43

MONASHEE PASS	2E01	1370	Not Measured			354	271	442	149	301	38
BOULEAU LAKE	2F21	1400	23	118	360	248	312	432A	165	296	26
ADAMS RIVER	1E07	1720	26	189	650	660	638	777	262	564	26
KIRBYVILLE LAKE	2A25	1750	24	285	995	1342	1127	1342	526	935	23
SILVER STAR MOUNTAIN	2F10	1840	23	203	764	759	674	912	361	607	38
PARK MOUNTAIN	1F03P	1890	01	-	1021	898	664	909	559	707	12
ENDERBY	1F04	1900	28	291	1030	906	775	1160	523	831	33

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

March 1, 1997

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm) 1997	1996	1995	Max.	Min.	Normal	No. Years Record
UPPER COLUMBIA											
CANOE RIVER	2A01A	910	24	42	119	142	82	251	32	133	56
DOWNIE SLIDE (LOWER)	2A27	980	24	236	792	852	634	852	378	665	19
GLACIER	2A02	1250	27	204	692	805	596	952	251	633	57
FIELD	2A03A	1280	24	87	248	246	172	246	53	158	57
SUNWAPTA FALLS	AL11	1400	26	82	208	274	145	277	79	172*	25
VERMONT CREEK	2A19	1520	25	136	440	514	511	643	152	409	30
AZURE RIVER	1E08	1620	25	254	911	1262	958	1262	475	875	23
AZURE RIVER	1E08P	1620	01	233	923	-	-	-	-	-	0
DOWNIE SLIDE (UPPER)	2A29	1630	Not Measured			1414	1440	1524	666	1048	18
KICKING HORSE	2A07	1650	24	134	382	381	305	462	178	313	50
KIRBYVILLE LAKE	2A25	1750	24	285	995	1342	1127	1342	526	935	23
MOUNT REVELSTOKE	2A06	1830	23	306	1170	1248	950	1344	573	1025	39
MOUNT REVELSTOKE	2A06P	1830	01	-	1091	1254	926	1254	537	997	3

NORTH CLEMINA CREEK	1E13	1860	24	192	554	860	709	899	355	717*	8
FIDELITY MOUNTAIN	2A17	1870	25	317	1126	1403	987	1703	534	1068	34
BEAVERFOOT	2A11	1890	25	88	259	268	177	333	94	200	35
KEYSTONE CREEK	2A18	1890	Not Measured			901	669	1013	366	690	29
GOLDSTREAM	2A16	1920	24	293	950	1341	927	1351	553	943	33
BUSH RIVER	2A23	1920	24	202	641	966	756	1078	281	712	29
NIGEL CREEK	AL10	1920	26	108	302	588	389	655	135	374*	25
MOUNT ABBOT	2A14	1980	28	281	1040	1281	830	1448	508	1046	37
MOLSON CREEK	2A21P	1980	01	-	810	-	929	1109	437	889	14
SUNBEAM LAKE	2A22	2010	24	222	747	1002	714	1090	389	777	29
MIRROR LAKE	AL06	2030	24	114	318	358	277	483	124	260*	30
BOW SUMMIT II	AL07A	2080	24	112	320	-	356	533	124	326*	17
LOWER COLUMBIA											
FERGUSON	2D02	880	25	186	668	692	620	692	332	521	45
BAIRD	WA02	980	27	117	368	140	221	269	0	177*	38
FARRON	2B02A	1220	27	126	405	333	304	450	79	301	24
MONASHEE PASS	2E01	1370	Not Measured			354	271	442	149	301	38
WHATSHAN (UPPER)	2B05	1480	Not Measured			726	595	881	340	573	36
BARNES CREEK	2B06	1620	Not Measured			536	379	605	251	430	36
BARNES CREEK	2B06P	1620	01	-	682	566	367	566	367	470*	3
ST. LEON CREEK	2B08	1800	Not Measured			1243	1058	1590	658	1052	29
ST. LEON CREEK	2B08P	1800	01	-	1020	-	982	992	554	969	3
KOCH CREEK	2B07	1860	Not Measured			746	668	846	269	605	34

RECORD MOUNTAIN	2B09	1890	24	214	723	594	777	900	147	629	22
EAST CREEK	2D08P	2030	01	-	698	1101	903	1167	312	786	16
EAST KOOTENAY											
KISHENEHN	MT01	1190	25	114	320	203	193	399	36	212*	51
FERNIE EAST	2C07	1250	23	129	420	275	259	584	61	333	46
UPPER ELK RIVER	2C06	1340	27	63	192	110	42	330	3A	136	47
SINCLAIR PASS	2C01	1370	26	73	193	156	129	262	48	131	50
MARBLE CANYON	2C05	1520	27	140	372	450A	342	579	152	323	50
BRUSH CREEK TIMBER	MT03	1520	24	91	249	135	112	432	86	229*	45
SULLIVAN MINE	2C04	1550	27	127	412	327	254	465	53	279	51
WEASEL DIVIDE	MT02	1660	27	259	909	1026	716	1257	254	748*	38
KIMBERLEY (MIDDLE)V O R	2C12	1680	27	125	357	277	190	386	97	259	28
MOUNT JOFFRE	2C16	1750	Not Measured			475	320	551	140	316	26
MORRISSEY RIDGE	2C09Q	1800	01	-	787	748	693	1074	414	626	13
MOYIE MOUNTAIN	2C10	1940	23	146	560	419	269	691	150	379	28
ALLISON PASS	AL01	1980	25	153	559	493	335	625	267	424*	14
THUNDER CREEK	2C17	2010	25	104	320	322	232	378	91	230	27
FLOE LAKE	2C14	2090	25	214	710	790	682	993	319	636	27
FLOE LAKE	2C14P	2090	01	-	660	716	-	716	254	560	2
KIMBERLEY (UPPER) V O R	2C11	2140	27	171	499	455	351	696	163	413	28
HIGHWOOD SUMMIT (BUSH)	AL02	2210	03	124	353	455	315	455	150	334*	18

MOUNT ASSINIBOINE	2C15	2230	25	156	504	666	467	680	213	434	27
SUNSHINE VILLAGE	AL05	2230	25	171	488	678	-	770	254	498*	26
WEST KOOTENAY											
DUNCAN LAKE NO. 2	2D07A	650	26	76	263	204	106	221	73	134*	6
FERGUSON	2D02	880	25	186	668	692	620	692	332	521	45
NELSON	2D04	930	28	160	558	336	382	554	140	355	57
SANDON	2D03	1070	23	119	403	388	322	434	239	343	20
CHAR CREEK	2D06	1310	28	205	698	492	522	754	234	487	29
BUNCHGRASS MEADOW	WA01	1520	544	-	843	427	581*	13			
GRAY CREEK (LOWER)	2D05	1550	03	179	568	386	336	663	201	390	48
ARROW CREEK	2D11	1620	25	225	897	749	662	749	442	616	17
KOCH CREEK	2B07	1860	Not Measured			746	668	846	269	605	34
MOUNT TEMPLEMAN	2D09	1860	Not Measured			1225	937	1534	516	909	29
GRAY CREEK (UPPER)	2D10	1910	03	239	840	754	587	955	356	647	28
HARLOW CREEK	2D12	1920	01	257	830	1017	825	1110	555	816*	9
MEADOW MOUNTAIN	2D13	1990	973	744	973	744	824*	3			
EAST CREEK	2D08P	2030	01	-	698	1101	903	1167	312	786	16
KETTLE											
TRAPPING CREEK (LOWER)	2E05	930	02	68	178	176	124	224	44	128	31
FARRON	2B02A	1220	27	126	405	333	304	450	79	301	24
GOAT CREEK	WA04	1220	27	71	226	160	119	300	0	161*	34
CARMI	2E02	1250	02	77	196	180	120	274	56	147	34

TRAPPING CREEK (UPPER)	2E04A	1350	01	97	252	200	170	239	120	200	14
MONASHEE PASS	2E01	1370	Not Measured			354	271	442	149	301	38
SUMMIT G.S.	WA05	1400	27	102	277	206	198	305	63	187*	33
BIG WHITE MOUNTAIN	2E03	1680	01	188	530	512	502	676	213	403	31
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	25	96	279	257	230	381	97	213	36
MC CULLOCH	2F03	1280	27	80	193	166	164	249	71	156	57
ABERDEEN LAKE	1F01A	1310	26	79	218	195	122	231	51	144	43
OYAMA LAKE	2F19	1340	01	90	241	209	177	241	73	151	27
POSTILL LAKE	2F07	1370	27	100	272	226	211	274	98	179	47
BOULEAU LAKE	2F21	1400	23	118	360	248	312	432A	165	296	26
VASEUX CREEK	2F20	1400	03	73	176	138	158	284	71A	139	26
TROUT CREEK	2F01	1430	28	78	209	221	159	335	55	165	57
BRENDA MINE	2F18	1460	25	108	337	354	284	495	130	292	28
BRENDA MINE	2F18P	1460	01	-	412	427	339	427	220	329	4
ISLAHT LAKE	2F24	1480	25	121	400	349	364	394	214	297	15
GREYBACK RESERVOIR	2F08	1550	28	112	306	262	216	312	91	195	30
ESPERON CR (UPPER)	2F13	1650	01	169	490	364	402	635	157	364	28
ISINTOK LAKE	2F11	1680	26	72	169	195	163	358	53	161	32
MACDONALD LAKE	2F23	1740	25	136	436	436	512	512	170	377	20
MUTTON CREEK NO. 1	WA07	1740	26	117	396	305	358	571	0	301*	53
MISSION CREEK	2F05	1780	26	189	581	-	-	650	267	428	35
MISSION CREEK	2F05P	1780	Not Measured			371	367	610	213	380	26

GRAYSTOKE LAKE	2F04	1810	26	126	416	-	-	605	148	337	19
MOUNT KOBAU	2F12	1810	01	113	360	293	315	488	61	265	31
WHITEROCKS MOUNTAIN	2F09	1830	03	172	582	448	547	787	180	489	41
SILVER STAR MOUNTAIN	2F10	1840	23	203	764	759	674	912	361	607	38
SIMILKAMEEN											
BROOKMERE	1C01	980	04	100	289	226	185	351	53	200	52
FREEZEOUT CREEK TRAIL	WA11	1070	28	124	414	168	274	615	15	269*	48
LIGHTNING LAKE	3D02	1220	01	133	422	307	277	478	51	258	23
HAMILTON HILL	2G06	1490	02	129	396	340	278	676	127	336	35
MISSEZULA MOUNTAIN	2G05	1550	01	91	259	239	267	363	76	223	33
ISINTOK LAKE	2F11	1680	26	72	169	195	163	358	53	161	32
LOST HORSE MOUNTAIN	2G04	1920	05	95	252	246	212	508	92	193	35
BLACKWALL PEAK	2G03P	1940	01	-	892	780	756	1323	213	755	29
HARTS PASS	WA09	1980	27	302	1069	1095	1016	1636	312	942*	46

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COASTAL

March 1, 1997

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm) 1997	1996	1995	Max.	Min.	Normal	No. Years Record
SOUTH COASTAL											
PALISADE LAKE	3A09	880	25	279	1281	461	1284	1961	95	1199	42
PALISADE LAKE	3A09P	880	Not Measured			-	-	-	-	-	0
CHAPMAN CREEK	3A26	1022	Not Measured			662	1376	1376	662	948*	4
CALLAGHAN CREEK	3A20	1040	03	201	720	454	852	1260	200	853	19
EDWARDS LAKE	3A27	1070	Not Measured			380	944	944	380	657*	4
DOG MOUNTAIN	3A10	1080	26	253	1170	345	1197	1197	345	1011	13
GROUSE MOUNTAIN	3A01	1100	24	293	1320	522	973	2098	143	1023	46
ORCHID LAKE	3A19	1190	25	367	1639	1027	1670	2370	444	1577	22
ORCHID LAKE	3A19P	1190	Not Measured			-	1325	2238	805	1573	12
UPPER SQUAMISH RIVER	3A25P	1340	01	313	1313	1163	1515	1853	840	1359	7

TIEDEMANN GLACIER	3A17P	1400	01	-	917	1521	1301	1521	394	1082	4
DIAMOND HEAD	3A21	1420	Not Measured			1001	1184	1578	483	1214	19
NOSTETUKO RIVER	3A22P	1500	01	-	393	668	741	741	203	528*	8
UPPER MOSELY CREEK	3A24P	1650	01	-	155	286	290	555	98	275	8
TATLAYOKO LAKE	3A13	1710	01	56	139	323	274	485	63	226	33
VANCOUVER ISLAND											
ELK RIVER	3B04	270	23	No Snow		20	0	546	0	168	36
WOLF RIVER (LOWER)	3B19	640	23	101	332	58	360	660	0	355	26
TENNENT LAKE	3B22	950	28	193	742	500A	1000	1000	290A	740	12
UPPER THELWOOD LAKE	3B10	980	23	258	1004	584	1596	2083	281	1221	36
WOLF RIVER (MIDDLE)	3B18	1070	23	135	404	186	754	864A	71	539	26
FORBIDDEN PLATEAU	3B01	1130	23	282	1180	633	1646	2225	260	1283	41
JUMP CREEK	3B23P	1160	01	208	1196	304	-	304	304	304*	1
NEWCASTLE RIDGE	3B14	1170	Not Measured			772	2117	2570	255	1380	29
MOUNT COKELY	3B02A	1190	27	138	474	-	970	1016	178	716	16
SNO-BIRD LAKE	3B16	1400	25	251	1124	596	1222	1758	188	1073	30
WOLF RIVER (UPPER)	3B17P	1490	01	-	939	802	1502	1502	512	1140	9
NORTH COASTAL											

WEDEENE RIVER SOUTH	3C07	300	28	127	507	349	547	547	240A	364	13
TAHTSA LAKE	1B02	1300	26	270	1019	1119	1171	1405	571	980	45
TAHTSA LAKE	1B02P	1300	01	-	1158	-	1198	1198	661	953*	3
SKAGIT											
SUMALLO RIVER WEST	3D01C	790	28	119	442	89	188	202	79	139*	5
FREEZEOUT CREEK TRAIL	WA11	1070	28	124	414	168	274	615	15	269*	48
BEAVER PASS	WA12	1120	26	231	924	411	610	1240	30	642*	48
KLESILKWA	3D03A	1130	28	132	508	62	102	759	0	283	46
LIGHTNING LAKE	3D02	1220	01	133	422	307	277	478	51	258	23
HARTS PASS	WA09	1980	27	302	1069	1095	1016	1636	312	942*	46

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NORTH

March 1, 1997

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm) 1997	1996	1995	Max.	Min.	Normal	No. Years Record
PEACE											
FORT ST. JOHN A	4A25	690	01	66	182	154	72	191	52	111	23
MACKENZIE A	4A19	700	28	92	264	236	212	345	130	217	24
PACIFIC LAKE	1A11	770	27	198	677	440	532	832	277	544	34
BULLHEAD MOUNTAIN	4A28	790	28	56	142	136	89	136	12	76*	13
MC LEOD LAKE	4A01	980	27	113	364	230	222	331	98	204	37
WARE (LOWER)	4A04	980	01	79	202	246	128	246	97	155	33
PHILIP LAKE	4A13	980	28	117	352	288	215	382	152	249	33
AIKEN LAKE	4A30P	1040	01	-	317	327	195	363	162	247*	10
TUTIZZI LAKE	4A06	1070	28	94	234	297	208	386	140	225	33
TSAYDAYCHI LAKE	4A12	1160	28	140	423	437	305	540	166	339	33
PINK MOUNTAIN	4A14	1170	05	57	100	160	50	160	40	74	33
KAZA lAKE	1A12	1190	28	122	326	397	226	478	186	282	31
PULPIT LAKE	4A09	1310	01	130	350	442	338	531	233	358	32
PULPIT LAKE	4A09P	1310	01	-	378	448	326	448	326	366	6
FREDRICKSON LAKE	4A10	1310	28	88	202	293	184	315	129	212	32

PINE PASS	4A02P	1400	01	-	835	-	1009	1485	1009	963	5
TRYGVE LAKE	4A11	1400	01	110	274	412	307	453	211	314	32
SIKANNI LAKE	4C01	1400	01	95	219	317	197	335	107	223	31
PINE PASS	4A02	1430	27	309	1100	1163	1006	1502	480	969	33
MORFEE MOUNTAIN	4A16	1450	27	252	904	927	688	1166	312	717	29
LADY LAURIER LAKE	4A07	1460	01	138	375	594	385	662	255	425	30
MOUNT SHEBA	4A18	1490	27	250	901	730	737	1037	394	697	26
GERMANSEN (UPPER)	4A05	1500	28	123	344	326	279	520	174	300	36
MOUNT STEARNS	4A21	1500	01	57	123	227	77	227	58	129	22
JOHANSON LAKE	4B02	1540	28	97	232	368	240	368	148	250	33
MONKMAN CREEK	4A20	1550	27	158	521	595	444	925	290	540	15
WARE (UPPER)	4A03	1570	01	84	205	360	189	360	114	213	36
BULLMOOSE CREEK	4A31	1570	07	156	472	539	516	663	273	478*	9
KWADACHA RIVER	4A27P	1620	01	-	265	333	195	405	195	284	13
SKEENA/NASS											
TERRACE A	4B13A	180	05	67	240	132	192	407	0	179	15
BEAR PASS	4B11A	460	28	151	550	567	586	824	458	751	13
NINGUNSAW PASS	4B10	690	03	104	359	417	394	629	259	400	22
MCKENDRICK CREEK	4B07	1050	27	123	381	293	190	391	177	265	29
TACHEK CREEK	4B06	1140	24	113	330	286	202	286	117	191	29
KAZA LAKE	1A12	1190	28	122	326	397	226	478	186	282	31
LU LAKE	4B15	1300	28	125	406	356	260	356	172	274	18

KIDPRICE LAKE	4B01	1370	26	225	838	988	821	1101	429	773	45
TRYGVE LAKE	4A11	1400	01	110	274	412	307	453	211	314	32
EQUITY MINE	4B14	1420	25	153	514	460	340	462	234	302	19
CHAPMAN LAKE	4B04	1460	27	159	536	561	309	691	268	396	32
HUDSON BAY MTN.	4B03A	1480	28	171	568	513	380	719	287	449	25
SHEDIN CREEK	4B16P	1480	01	206	750	904	-	904	904	904*	1
MOUNT CRONIN	4B08	1480	27	174	599	563	388	869	348	521	28
JOHANSON LAKE	4B02	1540	28	97	232	368	240	368	148	250	33
LIARD											
FORT NELSON A	4C05	380	01	50	92	140	95	177A	52	102	31
WATSON LAKE A	YK01	700	25	50	111	180	86	216	61	127*	31
FRANCES RIVER	YK02	730	25	55	120	158	112	312	65	135*	21
DEASE LAKE	4C03	820	28	63	138	178	81	229	46	129	32
BLUFF CREEK	4C11P	1040	Not Measured			262	131	293	131	229	4
SUMMIT LAKE	4C02	1280	01	58	104	-	65	190	48	105	29
DEADWOOD RIVER	4C09P	1300	01	-	101	152	-	220	152	176*	3
CASSIAR	4C04	1390	22	86	332B	-	223	456	142A	286	32
SIKANNI LAKE	4C01	1400	01	95	219	317	197	335	107	223	31
STIKINE/ TAKU											
SPEEL RIVER	AK03	80	26	168	584	414	772	1024	396	665*	26
FORREST-KERR CREEK	4D08P	560	01	-	494	567	512	640	512	567*	4
TELEGRAPH CREEK	4D01	580	06	28	53	117	102	345	58	156	22

NINGUNSAW PASS	4B10	690	03	104	359	417	394	629	259	400	22
DEASE LAKE	4C03	820	28	63	138	178	81	229	46	129	32
ISKUT	4D02	1000	03	46	86	109	87	176	38A	113	22
KINASKAN LAKE	4D11P	1020	01	-	204	296	274	527	274	318	6
TUMEKA CREEK	4D10P	1220	01	-	354	546	485	789	485	576	7
WADE LAKE	4D14P	1370	Not Measured			366	162	475	162	354	6
UPPER STIKINE	4D13P	1450	01	-	344	454	384	591	363	395	7
YUKON											
ATLIN LAKE	4E02A	730	01	32	71	117	112	185A	50	120*	13
LOG CABIN	4E01	880	04	91	244	265	311	514	124	303	36
PINE LK AIRSTRIP	YK03	1010	04	75	151	162	127	330	25	187*	21
MONTANA MTN.	YK05	1020	04	58	125	-	-	182	71	126*	17
TAGISH	YK04	1080	27	52	99	163	133	198	75	125*	21

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