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January 1, 1998

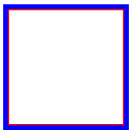
Fraser Basin Snow

Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

The cumulative precipitation from September through December is close to normal but varied on a month-to-month basis with October having about 40% above normal while December was about the same amount below normal. Temperatures in the period September through November were within 2 degrees of normal while December's temperatures were about 6 degrees above normal.

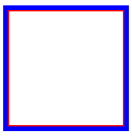
The snowpack is generally below normal in the areas to the east of Prince George and close to normal in the Stuart River basin. In the Nechako basin, the record of January 1st measurements is relatively short, but the snowpack is a little higher than the average of the past five years and similar to that reported at this date in 1996.



Data Graphs

MIDDLE AND LOWER FRASER

In the middle and lower Fraser basins precipptitation was above normal in September and October and below normal in November and December. In the middle Fraser basin, this has resulted in a snowpack that is generally well below normal with the regional snowpack estimated to be 17% below normal for this date. In the lower Fraser there are several stations that could not be measured due to adverse weather conditions, but the regional snowpack is estimated to be about 8% below normal.

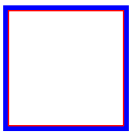


Data Graphs

NORTH AND SOUTH THOMPSON

Valley bottom precipitation throughout the Thompson River basin was well above normal in September and October, but below normal in November and December. Temperatures have generally been above normal, with the biggest departure in December when the mean temperature was about 3 degrees above normal.

The regional snowpack in the North Thompson basin is estimated to be about 6% above normal for this time of year, but less than it was a year ago. In the South Thompson, the snowpack is considerably less than was reported this time last year and is estimated to be about 15% below normal.



Data Graphs

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January 1, 1998

Snow Survey Measurements

Coastal Basin Snow Survey Measurements

SOUTH COASTAL AND VANCOUVER ISLAND

Precipitation in the south coast area was well above normal in September and October, below normal in November and well below normal in December. The pattern on Vancouver Island was similar except that the December precipitation was a little above normal. Temperatures have generally been a little above normal each month.

As is common at this time of year, snowpacks are somewhat variable. The regional snowpacks are estimated to be 27% and 14% below normal for the south coast and Vancouver Island areas, respectively.

Inflow to Upper Campbell Lake on Vancouver Island, an indicator of winter flows, has been well above normal for the last two months.

Data Graphs

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January 1, 1998

Columbia Basin Snow Survey

Columbia Basin Snow Survey Measurements

UPPER AND LOWER COLUMBIA

Precipitation in the Columbia River basin was almost 2.5 times normal in September, decreasing each month to only 47% of normal in December. Temperatures were generally close to, or a little above, normal.

It was not possible to measure many of the snowcourses normally sampled at this date in the upper Columbia due to inclement weather conditions. However, based on the measurements that were obtained, it is estimated that the snowpack in the Columbia basin is about 11% below normal.

Data Graphs

Data Graph

EAST AND WEST KOOTENAY

Temperature and precipitation patterns throughout the Kootenay basin were very similar to those reported above for the Columbia River basin.

Although there were a significant number of snow courses that were not measured due to inclement weather conditions, those that were sampled indicate that the snowpack as of January 1 was about 39% below normal. It is interesting to note that at this time last year the Kootenay snowpack was estimated to be 38% above normal.

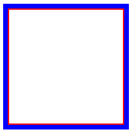
Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

Valley bottom precipitation throughout this region was well above normal in both September and October, but well below normal in both November and December. Temperatures were near normal for September through November, but about 3 degrees above normal for December.

As a result of these weather patterns, the regional snowpack is estimated to be 40% below normal for this sampling period. Again, it is interesting to note that, at this time last year, the snowpack was more than 60% above normal!

Inflow to Okanagan Lake has been above normal each month for the last 30 months. The net inflow during 1997 at about 1.4 billion cubic metres was 40% greater than recorded previously in the 76-year record. Despite this, the present level of Okanagan lake is very close to its target level. It is still too soon to make estimates of the probable inflow to the lake in the spring.



Data Graphs

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January 1, 1998

Snow Survey Measurement

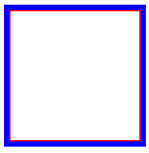
Northern Basins Snow Survey Measurements

NORTHEASTERN

In the Peace River basin, precipitation was well above normal in September and October, but was well below normal in November and December. In the Liard basin, for which there are few precipitation stations, the pattern was similar except that September precipitation was normal. Temperatures varied from 3 degrees below normal in October to seven degrees above normal in December.

As is quite usual at this time of year, there is considerable variation in snowpack throughout the region. However, the regional snowpacks for the Peace and Liard basins are estimated to be 17% above and 34% below normal, respectively for this date.

Flows into Williston Lake on the Peace River have been well above normal for the last two months.



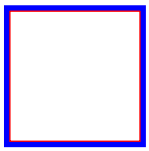
Data Graphs

NORTHWESTERN

The northwestern region has had a different precipitation regime from most of the rest of the province. Valley-bottom precipitation was well below normal in the September through November period, but almost twice normal in December. Temperatures were close to normal in September and October, but 3 and 8 degrees above normal for November and December, respectively.

The January 1 snowpack, based on limited readings, is estimated to be about 7% above normal in the Skeena/Nass basins. In the Stikine basin, no normals are available, but the snowpack is estimated to be about 40% greater than was reported at this time last year.

Flows in the Skeena River at Usk were close to normal in November and about 20% above normal in December.

 Data Graphs

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FRASER

January 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	05	16	25	83	98	156	19	69	35
PACIFIC LAKE	1A11	770	27	119	268	464	356	476	177	306*	14
BURNS LAKE	1A16	800	06	32	60	176	130	176	26	69	23
PHILIP LAKE	4A13	980	03	56	116	234	230	268	64	120	15
HEDRICK LAKE	1A14	1100	27	136	294	453	-	640	300A	419*	7
KAZA LAKE	1A12	1190	03	82	175	194	263	371	113	183*	12
MOUNT SHEBA	4A18	1490	27	154	385	588	573	793	287	500*	9
BARKERVILLE	1A03	1520	01	65	150	238	176	340	92	173	27
BARKERVILLE	1A03P	1520	01	-	143	184	-	312	103	179	17
KNUDSEN LAKE	1A15	1580	27	152	391	369	503	821	341	476*	9
REVOLUTION CREEK	1A17P	1690	01	-	412	311	475	814	240	452	13
LONGWORTH (UPPER)	1A05	1740	27	138	340	476	486	694	304	472*	8
YELLOWHEAD	1A01P	1860	01	99	300	236	-	236	236	236*	1
NECHAKO											
SKINS LAKE	1B05	880	30	15	31	-	111	111	0	55*	12
TAHTSA LAKE	1B02P	1300	01	-	783	631	738	939	475	662*	5
MOUNT PONDOSY	1B08P	1400	01	-	530	506	552	686	283	472*	5
MOUNT WELLS	1B01P	1490	01	-	326	433	347	433	241	310	5

MIDDLE FRASER											
PUNTZI MOUNTAIN	1C22	940	01	8	12	44	60	106	0	40	25
NAZKO	1C08	1070	01	10	13	74	84	84	17	39	12
BIG CREEK	1C21	1140	30	5	11	35	51	62	16	44	11
GRANITE MOUNTAIN	1C33	1150	05	25	43	153	158	158	76	127*	5
LAC LE JEUNE (LOWER)	1C07	1370	30	16	27	123	31	123	8	66	25
BRIDGE GLACIER (LOWER)	1C39	1400	07	119	344	204	340	456	204	333*	3
BRALORNE	1C14	1450	07	37	82	70	89	158	70	106*	3
BOSS MOUNTAIN MINE	1C20P	1460	01	-	236	394	461	461	302	323	4
LAC LE JEUNE (UPPER)	1C25	1460	30	28	33	146	45	146	10	81	25
BRENDA MINE	2F18P	1460	01	-	118	304	254	304	120	195	4
BARKERVILLE	1A03	1520	01	65	150	238	176	340	92	173	27
BARKERVILLE	1A03P	1520	01	-	143	184	-	312	103	179	17
FISH LAKE	1C35	1540	27	17	26	39	71	120	39	77*	3
FISH LAKE NO. 2	1C35A	1550	27	18	30	38	-	38	38	38*	1
GREEN MOUNTAIN	1C12	1630	07	175	485	199	364	528	110	315	11
MOUNT TIMOTHY	1C17	1660	27	23	38	193	223	251	89	149	12
YANKS PEAK EAST	1C41P	1670	01	168	491	473	-	473	473	473*	1
GREEN MOUNTAIN	1C12P	1780	01	-	454	405	518	707	312	486*	4
MCGILLIVRAY PASS	1C05	1800	07	129	331	235	313	458	196	283*	5
MISSION RIDGE	1C18P	1850	01	-	244	259	293	659	148	270	11
DOWNTON LAKE (UPPER)	1C38	1890	07	178	504	294	588	672	294	518*	3
TYAUGHTON CREEK (NORTH)	1C40	1950	07	101	248	216	256	364	216	279*	3

BRALORNE (UPPER)	1C37	1980	07	129	370	195	388	504	195	362*	3
LOWER FRASER											
WOLVERINE CREEK	1D13	300	01	12	30	193	88	193	0	93	21
DISAPPOINTMENT LAKE	1D18P	1040	Not Measured			487	-	1304	487	896*	2
CALLAGHAN CREEK	3A20	1040	03	138	370	426Z	170	638	100	298*	10
DICKSON LAKE	1D16	1070	Not Available			1006	360	1110	360	745*	5
DOG MOUNTAIN	3A10	1080	30	115	324	807	-	897	96	561	11
KLESILKWA	3D03A	1130	Not Available			386	31	386	0	120*	8
STAVE LAKE	1D08	1210	Not Available			878	367	892	112	554*	8
WAHLEACH LAKE	1D09	1400	Not Available			392	143	392	46	222*	11
WAHLEACH LAKE	1D09P	1400	01	-	463	774	259	774	259	536*	5
NAHATLATCH RIVER	1D10	1520	Not Available			752	537	903	219	544*	8
EASY PASS	WA13	1580	Not Available			-	381	1651	229	731*	19
CHILLIWACK RIVER	1D17P	1600	01	117	477	1076	454	1076	454	744	5
GREAT BEAR	1D15P	1660	01	-	719	954	860	954	446	651	6
TENQUILLE LAKE	1D06	1680	04	174	540	658	655	875	205	522	20
NORTH THOMPSON											
BLUE RIVER	1E01B	670	06	81	120	232	263	263	69	161*	13
COOK FORKS	1E06	1390	31	162	368	474	495	630	216	406	18
BOSS MOUNTAIN MINE	1C20P	1460	01	-	236	394	461	461	302	323	4
MOUNT COOK	1E02A	1580	31	221	583	694E	803	803	400	582	18
AZURE RIVER	1E08P	1620	01	214	683	540	-	540	540	540*	1
ADAMS RIVER	1E07	1720	29	106	251	397	414	475	205	288	12
KOSTAL LAKE	1E10P	1770	01	-	438	493	590	590	303	437	13
SOUTH THOMPSON											
MONASHEE PASS	2E01	1370	03	61	110	-	195	239	84	162	18

ADAMS RIVER	1E07	1720	29	106	251	397	414	475	205	288	12
KIRBYVILLE LAKE	2A25	1750	Not Measured			715	854	854	389	565	15
SILVER STAR MOUNTAIN	2F10	1840	01	96	244	565	516	565	163	339	33
PARK MOUNTAIN	1F03P	1890	01	-	316	608	601	632	281	410	12
ENDERBY	1F04	1900	31	156	400	646	684	742	292	476	22

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

January 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 COLUMBIA											
DOWNIE SLIDE (LOWER)	2A27	980	Not Measured			484	446	504	190	320	15
GLACIER	2A02	1250	02	149	321	279	434	519	147	331	27
FIELD	2A03A	1280	Not Measured			-	127	127	40	86*	8
VERMONT CREEK	2A19	1520	Not Measured			283	298	309	120	221	14
AZURE RIVER	1E08P	1620	01	214	683	540	-	540	540	540*	1
DOWNIE SLIDE (UPPER)	2A29	1630	Not Measured			772	1022	1022	402	575	13
KICKING HORSE	2A07	1650	Not Measured			-	199	257	87	169	20
KIRBYVILLE LAKE	2A25	1750	Not Measured			715	854	854	389	565	15
MOUNT REVELSTOKE	2A06P	1830	01	-	558	647	835	835	383	571	5
FIDELITY MOUNTAIN	2A17	1870	30	222	625	510	938	1228	334	610	23
BEAVERFOOT	2A11	1890	07	47	110	-	151	215	70	118	13
KEYSTONE CREEK	2A18	1890	Not Measured			527	540	577	266	376	14
GOLDSTREAM	2A16	1920	Not Measured			595	852	906	427	579	14

BUSH RIVER	2A23	1920	07	156	420	416	623	722	216	416	14
MOUNT ABBOT	2A14	1980	03	223	590	504	864	1065	350	575	13
MOLSON CREEK	2A21P	1980	01	-	589	427	746	1072	318	565	17
SUNBEAM LAKE	2A22	2010	07	158	430	484	656	767	305	479	14
LOWER COLUMBIA											
FERGUSON	2D02	880	30	100	180	-	409	409	117	263	18
FARRON	2B02A	1220	29	29	40	330	180	330	46	177	13
MONASHEE PASS	2E01	1370	03	61	110	-	195	239	84	162	18
WHATSHAN (UPPER)	2B05	1480	03	117	274	-	349	543	207	316	14
BARNES CREEK	2B06	1620	03	88	191	-	332	363	146	240	13
BARNES CREEK	2B06P	1620	01	-	199	409	364	409	257	326*	5
ST. LEON CREEK	2B08	1800	03	225	608	-	818	1164	397	620	11
ST. LEON CREEK	2B08P	1800	Not Measured			626	-	637	368	569	4
KOCH CREEK	2B07	1860	Not Measured			-	410	452	170	329	11
RECORD MOUNTAIN	2B09	1890	27	65	150	504	305	504	134	401	13
EAST CREEK	2D08P	2030	01	-	304	382	737	858	219	476	16
EAST KOOTENAY											
FERNIE EAST	2C07	1250	29	22	52	222	-	330	28	166	22
MARBLE CANYON	2C05	1520	31	65	128	247	277	300	84	176	23
SULLIVAN MINE	2C04	1550	30	17	29	226	189	226	35	134*	12
WEASEL DIVIDE	MT02	1660	02	107	246	-	411	691	218	402*	12
MOUNT JOFFRE	2C16	1750	Not Measured			299	249	364	86	155	14

MORRISSEY RIDGE	2C09Q	1800	01	-	199	517	351	706	157	322	14
MOYIE MOUNTAIN	2C10P	1930	01	35	128	-	-	354	76	175*	18
MOYIE MOUNTAIN	2C10	1940	31	34	70	-	185	366P	76P	204	23
THUNDER CREEK	2C17	2010	Not Measured			237	174	276	65	117	14
FLOE LAKE	2C14	2090	Not Measured			-	566	747	217	383	13
FLOE LAKE	2C14P	2090	01	-	255	394	502	502	187	332	3
HIGHWOOD SUMMIT (BUSH)	AL02	2210	Not Available			272	325	399	97	225*	9
MOUNT ASSINIBOINE	2C15	2230	Not Measured			325	437	567	162	248	14
SUNSHINE VILLAGE	AL05	2230	01	-	198P	-	-	251P	193	222*	2
WEST KOOTENAY											
FERGUSON	2D02	880	30	100	180	-	409	409	117	263	18
NELSON	2D04	930	31	43	100	366	164	366	66	173	38
CHAR CREEK	2D06	1310	30	46	119A	480	224	480	110	239	14
GRAY CREEK (LOWER)	2D05	1550	Not Measured			-	-	372	69	185	19
KOCH CREEK	2B07	1860	Not Measured			-	410	452	170	329	11
MOUNT TEMPLEMAN	2D09	1860	Not Measured			-	829	902	347	504	11
GRAY CREEK (UPPER)	2D10	1910	Not Measured			-	-	612	222	380	11
EAST CREEK	2D08P	2030	01	-	304	382	737	858	219	476	16
KETTLE											
FARRON	2B02A	1220	29	29	40	330	180	330	46	177	13
MONASHEE PASS	2E01	1370	03	61	110	-	195	239	84	162	18
BIG WHITE MOUNTAIN	2E03	1680	01	70	160	326	298	326	112	198	14

GRANO CREEK	2E07P	1860	01	64	154	-	-	-	-	-	0
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	02	41	63	183	132	198	46	111	34
BRENDA MINE	2F18P	1460	01	-	118	304	254	304	120	195	4
GREYBACK RESERVOIR	2F08	1550	30	34	56	179	148	181	56	112	15
ISINTOK LAKE	2F11	1680	02	25	41	131	93	196	16	84	32
MISSION CREEK	2F05P	1780	01	62	146	325	248	326	104	201	27
MOUNT KOBAU	2F12	1810	30	31	63	261	161	261	28	157	21
WHITEROCKS MOUNTAIN	2F09	1830	Not Available			396	270	447	122	272	20
SILVER STAR MOUNTAIN	2F10	1840	01	96	244	565	516	565	163	339	33
SIMILKAMEEN											
HAMILTON HILL	2G06	1490	07	83	127A	299	201	313	55	139	13
MISSEZULA MOUNTAIN	2G05	1550	02	44	66	197	138	197	83	144*	5
ISINTOK LAKE	2F11	1680	02	25	41	131	93	196	16	84	32
BLACKWALL PEAK	2G03P	1940	01	-	293	611	454	923	108	391	28

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

January 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	3A09P	880	01	-	337	-	-	785	785	785*	1
CALLAGHAN CREEK	3A20	1040	03	138	370	426Z	170	638	100	298*	10
DOG MOUNTAIN	3A10	1080	30	115	324	807	-	897	96	561	11
GROUSE MOUNTAIN	3A01	1100	30	128	416	866	252	878	24	428	17
ORCHID LAKE	3A19	1190	02	181	580	-	432	1214	202	801	17
ORCHID LAKE	3A19P	1190	01	-	435	-	427	1285	243	764*	13
UPPER SQUAMISH RIVER	3A25P	1340	01	-	630	818	608	1072	503	723	6
NOSTETUKO RIVER	3A22P	1500	01	-	259	207	320	524	32	258*	8
UPPER MOSELY CREEK	3A24P	1650	01	-	137	128	186	491	85	182	9
VANCOUVER ISLAND											
ELK RIVER	3B04	270	02	No Snow	159	0	264	0	99*	13	

WOLF RIVER (LOWER)	3B19	640	02	33	86	306	0	326	0	127*	9
WOLF RIVER (MIDDLE)	3B18	1070	02	77	228	402	126	590	0	225*	9
FORBIDDEN PLATEAU	3B01	1130	02	171	504	-	364	1287	0	587	15
JUMP CREEK	3B23P	1160	01	58	251	806	244	806	244	525*	2
WOLF RIVER (UPPER)	3B17P	1490	01	-	561	597	366	1057	150	531	9
NORTH COASTAL											
TAHTSA LAKE	1B02P	1300	01	-	783	631	738	939	475	662*	5
BURNT BRIDGE CREEK	3C08P	1330	01	-	600	-	-	-	-	-	0
SKAGIT											
KLESILKWA	3D03A	1130	Not Available			386	31	386	0	120*	8

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

January 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
PEACE											
FORT ST. JOHN A	4A25	690	28	11	14	104	96	134	17	56	23
MACKENZIE A	4A19	700	31	51	88	136	162	283	51	97	25
PACIFIC LAKE	1A11	770	27	119	268	464	356	476	177	306*	14
BULLHEAD MOUNTAIN	4A28	790	30	No Snow		108	93	111	0	56*	14
PHILIP LAKE	4A13	980	03	56	116	234	230	268	64	120	15
WARE (LOWER)	4A04	980	04	38	80	117	173	240	63	126*	7
AIKEN LAKE	4A30P	1040	01	-	232	128	165	262	86	141*	10
TUTIZZI LAKE	4A06	1070	03	55	99	147	187	187	85	140*	7
TSAYDAYCHI LAKE	4A12	1160	03	92	208	282	300	393	128	186	14
KAZA lAKE	1A12	1190	03	82	175	194	263	371	113	183*	12
PULPIT LAKE	4A09	1310	04	100	217	219	291	398	182	264*	9
FREDRICKSON LAKE	4A10	1310	03	56	103	108	182	250	107	154*	8
PULPIT LAKE	4A09P	1310	01	-	307	204	308	344	204	272*	6
PINE PASS	4A02P	1400	01	-	762	548	570	1016	509	566	8
TRYGVE LAKE	4A11	1400	03	93	208	160	242	299	126	188	12
SIKANNI LAKE	4C01	1400	04	68	142	124	171	257	65	138	14

PINE PASS	4A02	1430	06	284	843	-	-	988	314	549	16
MORFEE MOUNTAIN	4A16	1450	05	182	536	-	-	710	373	596*	3
LADY LAURIER LAKE	4A07	1460	05	121	315	216	334	472	154	249	14
MOUNT SHEBA	4A18	1490	27	154	385	588	573	793	287	500*	9
GERMANSEN (UPPER)	4A05	1500	03	81	162	228	256	364	99	179	15
MOUNT STEARNS	4A21	1500	04	46	94	91	133	151	45	97*	8
JOHANSON LAKE	4B02	1540	03	87	207	137	230	282	90	148	15
MONKMAN CREEK	4A20	1550	27	80	192	-	-	546	221	306*	7
WARE (UPPER)	4A03	1570	04	75	181	143	248	248	97	168*	8
BULLMOOSE CREEK	4A31	1570	07	101	235	266	374	493	94	282*	10
KWADACHA RIVER	4A27	1620	Not Measured			-	-	330	160	244*	7
KWADACHA RIVER	4A27P	1620	Not Measured			160	198	307	109	171	12
SKEENA/NASS											
TERRACE A	4B13A	180	31	14	22	162	-	162	0	71*	15
KAZA LAKE	1A12	1190	03	82	175	194	263	371	113	183*	12
LU LAKE	4B15P	1310	01	-	116	-	-	-	-	-	0
TSAI CREEK	4B17P	1360	01	-	581	-	-	-	-	-	0
TRYGVE LAKE	4A11	1400	03	93	208	160	242	299	126	188	12
HUDSON BAY MTN.	4B03A	1480	06	106	274	394	336	470	135	254	22
SHEDIN CREEK	4B16P	1480	01	-	503	405	400	405	400	403*	2
JOHANSON LAKE	4B02	1540	03	87	207	137	230	282	90	148	15
LIARD											

FORT NELSON A	4C05	380	29	16	27	59	101	112	20	59*	31
DEASE LAKE	4C03	820	31	32	43	-	68	150	20	70	31
BLUFF CREEK	4C11P	1040	Not Measured			-	158	158	85	136	4
DEADWOOD RIVER	4C09P	1300	01	-	34	58	76	211	58	108*	4
SIKANNI LAKE	4C01	1400	04	68	142	124	171	257	65	138	14
STIKINE/ TAKU											
FORREST-KERR CREEK	4D08P	560	Not Measured			198	317	655	198	374*	7
DEASE LAKE	4C03	820	31	32	43	-	68	150	20	70	31
KINASKAN LAKE	4D11P	1020	01	-	207	107	168	378	107	207*	7
TUMEKA CREEK	4D10P	1220	01	-	354	-	329	591	314	341	6
WADE LAKE	4D14P	1370	01	-	201	-	250	344	125	240	6
UPPER STIKINE	4D13P	1450	01	-	287	189	268	433	183	289*	8
YUKON											

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

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E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

Banner

February 1, 1998

Fraser Basin Snow Survey

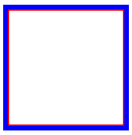
Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

Precipitation in the upper Fraser and Nechako basins in January was below normal for the third consecutive month with accumulated precitation for the period only about three quarters of normal. Mean temperatures during January were close to normal after the above normal temperatures of November and December.

Snowpacks in the basins are somewhat variable, but the greatest deficiencies are mostly in the eastern portions of the basin with snowpacks closer to normal in the northern and eastern sections. The regional snowpack water equivalent index for the upper Fraser is estimated to be 87% of normal while that for the Nechako basin is very close to normal for this sampling period.

The below normal precipitation combined with temperatures closer to normal during January have resulted in the mean flow of the Fraser River at Marguerite being a little below normal during the month.



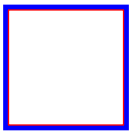
Data Graphs

MIDDLE AND LOWER FRASER

Valley-bottom precipitation in the middle Fraser was well below normal during January while that in the lower Fraser basin was slightly above normal. The accumulated precipitation totals since the beginning of November are for 40% and 14% below normal, respectively. Mean temperatures during January were very slightly above normal.

The February 1 snowpack in the middle Fraser is below normal with the regional snowpack index estimated to be 7% below normal. In general the greatest departures from normal are in the northern sections of the basin with the snowpacks towards the southern end being closer to normal. The regional snowpack index for the lower Fraser basin is 12% above normal, reflecting the slightly greater than normal precipitation recorded in the last month.

Peak flows during the freshet will depend on the weather during the next several months. However, given the current conditions, there is no reason to anticipate abnormally high river flows this spring.

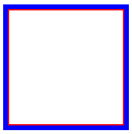

Data Graphs

NORTH AND SOUTH THOMPSON

Although precipitation in January in the North Thompson basin was 12% below normal, it was reported as 46% above normal in the South Thompson. Temperatures during January were a little above normal.

Snowpacks in both basins are now very close to normal for this date and considerably lower than those reported at this sampling period last year.

The flow in the Thompson River at Spences Bridge has been above normal all winter. Flows during the freshet will depend on accumulations in the next two months and melt patterns during May and June, but there is no reason at the present time to anticipate abnormally high flows this spring.


Data Graphs

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February 1, 1998

Columbi Basin Snow [Columbia Basin Snow Survey Measurements]

UPPER AND LOWER COLUMBIA

Precipitation as measured at valley-bottom stations in the Columbia basin was about 25% above normal during January. This, however, was not sufficient to make up the deficits of the previous two months and the accumulated precipitation for the basin since the beginning of November is 26% below normal. Mean temperatures during the month were about 2º C above normal.

Several readings in the lower Columbia basin are unavailable due to inclement weather conditions during the normal sampling period. However, based on the available measurements, the overall regional snowpack index for the upper and lower Columbia River basin is now very close to normal for this time of year.

Natural flows as indicated by the flow in the Columbia River at Donald have been a little above normal all winter.

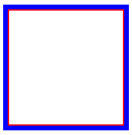
Data Graphs [Data Graph]

EAST AND WEST KOOTENAY

After two relatively dry months in November and December, January precipitation in the Kootenays was 42% above normal. The accumulated winter precipitaion, however, remains about 20% below normal. Mean temperatures throughout the winter have been about 2º C above normal.

Although snowpack accumulations in the Kootenays were generally greater than normal in January, the mild, relatively dry weather of the previous months has resulted in a snowpack that is estimated to be almost 20% below normal for this date. This is a major change from the situation at this time last year when the regional snowpack was 36% greater than normal.

Natural flow as represented by the Kootenay River at Fort Steele was very close to normal during January. Weather patterns in the next few months could change the situation, but at the present time, there does not appear to be any reason to anticipate damaging flooding in the Kootenays this spring.

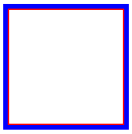
 Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

Although precipitation during January was considerably above normal throughout the basin, the accumulated totals since the beginning of November indicate that winter precipitation has been about 20% below normal. Mean January temperatures were again a little above normal, continuing a trend that has been evident all winter.

Snow accumulation during the month was generally greater than normal and the regional snowpacks for the Okanagan-Kettle and Similkameen basins are now estimated to be 8% and 17% below normal, respectively. The corresponding figures a month ago were about 40% below normal while a year ago the corresponding figures were about 35% above normal. The snowpack on the eastern side of the Okanagan and in the Kettle valley appears to be very close to normal while the west side of the Okanagan and the Similkameen basin are somewhat below normal for this date.

Inflow to Okanagan Lake was almost four times normal during January, the thirtieth consecutive month that inflows have been above normal. Despite this, Okanagan Lake is very close to its target level for this date and, unless there are abnormal weather conditions, Okanagan Lake levels and Okanagan River flows should remain with normal bounds this spring and summer and there should be sufficient water for all users.

 Data Graphs

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Questions, comments or suggestons about our WEB site, please let us know.

E-Mail Address: rmcneil@water.env.gov.bc.ca

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February 1, 1998

Snow Survey Measureme [Coastal Basin Snow Survey Measurements]

SOUTH COASTAL AND VANCOUVER ISLAND

February 1 snowpacks in the South Coast region are just above normal, after above average January snowfall. Precipitation at low elevation weather stations was normal for January, but the totals since September remain below normal.

Vancouver Island snow surveys indicate a February 1 snowpack that is well above normal, with the exception of the low elevation Elk River snow course (3B04) which is bare. Precipitation was above normal for January, and the total since November is slightly above normal.

Mean monthly temperature for the South Coast and Vancouver Island was 1º C above normal for January, continuing the above normal trend seen since September.

Regional runoff as represented by inflow to Upper Campbell Lake on Vancouver Island was above normal for November, December and January.

[Data Graphs]

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February 1, 1998

Snow Survey Measuremer

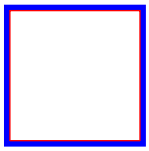
Northern Basins Snow Survey Measurements

NORTHEASTERN

Snow courses in the Peace River basin show February 1 water equivalents that vary about 20% above and below normal, but indicate an overall regional snowpack that is near normal. The limited snow surveys for the Liard basin indicate a snowpack that varies from below normal at the lower elevations to normal at the higher elevations.

Precipitation totals since September are below normal for the Peace basin and well below normal for the Liard basin. Mean monthly temperatures for northeastern BC have shown large variations for September through January, as shown by the following deviations for those months: +1.5ºC, -3.0ºC, +3.5ºC, +7.0ºC and -4.0ºC, respectively.

Runoff in the region is indicated by inflow to Williston Lake, which was well above normal for November, above normal for December, and well above in January.



Data Graphs

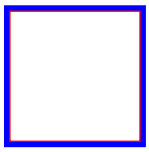
NORTHWESTERN

The overall February 1 snowpack in the Skeena-Nass region is near normal, though lower elevation snow courses show below normal readings. Farther north, based on limited observations, the snowpack appears to be somewhat below normal.

Monthly precipitation measured at weather stations has ranged from very high to very low for the fall and winter months, but totals for November through January are just below normal. Temperatures have also been remarkably variable, with the following monthly deviations for September through January: +1.5ºC, -

1.5ºC, +3.0ºC, +8.0º C and -3.0ºC, respectively

The Skeena River at Usk is used as an indicator of runoff in the northwest - it has been normal to above normal for November through January. The above normal flow for December may well have resulted from the extremely warm (and above freezing) temperatures melting low elevation snow.



Data Graphs

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FRASER

February 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	29	24	52	150	130	224	52	118	36
PACIFIC LAKE	1A11	770	31	135	382	544	341	679	269	425	30
BURNS LAKE	1A16	800	04	48	116	232	176	232	44	112	27
CANOE RIVER	2A01A	910	27	30	67	104	129	140	39	102	23
PHILIP LAKE	4A13	980	01	73	173	336	238	353	124	199	31
HEDRICK LAKE	1A14	1100	31	131	412	555	444	823	316	465	30
BIRD CREEK	1A23	1180	30	41	78	176	144	176	72B	126*	7
KAZA LAKE	1A12	1190	01	92	236	290	297	440	125	229	28
MOUNT SHEBA	4A18	1490	31	159	523	687	609	918	317	543	28
BARKERVILLE	1A03	1520	28	62	179	-	222	373	132	253	45
BARKERVILLE	1A03P	1520	01	-	176	296	-	351	163	251	19
MC BRIDE (UPPER)	1A02	1580	30	89	236	312	312	503	174	315	44
KNUDSEN LAKE	1A15	1580	31	152	524	477	567	899	334	613	27
REVOLUTION CREEK	1A17P	1690	01	-	460	499	649	930	462	609	12
LONGWORTH (UPPER)	1A05	1740	31	154	510	630	494	890A	315	523	25
YELLOWHEAD	1A01P	1860	01	104	356	386	-	386	386	386*	1
NECHAKO											
SKINS LAKE	1B05	880	30	44	98	224	139	224	35	93	30

TAHTSA LAKE	1B02	1300	29	275	845	835	1015	1209	508A	779	43
TAHTSA LAKE	1B02P	1300	01	-	1030	881	-	1030	652	818*	4
KIDPRICE LAKE	4B01	1370	29	208	635	748	870	894B	440	607	40
MOUNT PONDOSY	1B08P	1400	01	-	634	677	750	750	393	592*	5
MOUNT WELLS	1B01	1490	28	119	330	477	505	549B	213	367	14
MOUNT WELLS	1B01P	1490	01	-	396	530	555	555	390	381	5
NUTLI LAKE	1B07	1490	30	132	377	430	579	579	295	417*	6
MOUNT SWANNELL	1B06	1620	30	60	161	333	283	382B	142	233*	9
MIDDLE FRASER											
PUNTZI MOUNTAIN	1C22	940	01	10	18	64	126	126	0	55	28
NAZKO	1C08	1070	30	18	31	94	88	137B	6A	69	21
BIG CREEK	1C21	1140	28	18	32	49	80	100B	0	52	25
GRANITE MOUNTAIN	1C33	1150	02	34	77	217	195	217	125	183*	5
LAC LE JEUNE (LOWER)	1C07	1370	29	30	63	130	68	208	25	91	41
CONANT LAKE	1C31	1370	31	58	130	241	145	241	72	154	16
BRIDGE GLACIER (LOWER)	1C39	1400	28	171	504	414	460	520	414	465*	3
BRALORNE	1C14	1450	28	50	108	188	110	338	0	135	27
SHOVELNOSE MOUNTAIN	1C29	1450	31	75	211	296	187	296	84	214	18
SPAHOMIN	1C30	1450	02	28	68	148	73	148	10	76	18
BONAPARTE LAKE	1C34	1450	27	71	152	295	252	327	204	260*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	-	345	518	566	566	510	432	4
BRENDA MINE	2F18P	1460	01	-	212	368	343	368	168	265	5
LAC LE JEUNE (UPPER)	1C25	1460	29	44	94	177	82	177	13	114	25
BARKERVILLE	1A03	1520	28	62	179	-	222	373	132	253	45
BARKERVILLE	1A03P	1520	01	-	176	296	-	351	163	251	19
FISH LAKE	1C35	1540	27	30	60	47B	81	123	47B	102*	3

HORSEFLY MOUNTAIN	1C13A	1550	31	85	272	-	-	475	204	324	8
FISH LAKE NO. 2	1C35A	1550	27	33	66	50B	-	50B	50B	-	1
GREEN MOUNTAIN	1C12	1630	Not Measured			445	496	658	119	449	30
MOUNT TIMOTHY	1C17	1660	01	55	137	315	301	376	103	222	31
YANKS PEAK EAST	1C41P	1670	01	146	540	653	-	653	653	653*	1
GREEN MOUNTAIN	1C12P	1780	01	-	658	668	732	808	410	655*	4
MCGILLIVRAY PASS	1C05	1800	28	148	439	454	420	618	150	399	46
MISSION RIDGE	1C18P	1850	01	-	354	457	451	794	254	434	11
DOWNTON LAKE (UPPER)	1C38	1890	28	220	706	552	780	780	552	671*	3
TYAUGHTON CREEK (NORTH)	1C40	1950	Not Measured			360	288	360	288	326*	3
BRALORNE (UPPER)	1C37	1980	28	146	460	498	518	600	498	539*	3
LOWER FRASER											
WOLVERINE CREEK	1D13	300	01	18	52	270	116	270	10A	139	22
SUMMALLO RIVER WEST	3D01C	790	30	63	248	368	87	368	0	142*	6
DISAPPOINTMENT LAKE	1D18P	1040	Not Measured			1144	-	1597	1144	1371	2
CALLAGHAN CREEK	3A20	1040	03	172	648	662	336	879	50	569	14
DICKSON LAKE	1D16	1070	31	195	704	1207	398	1220	398	838*	6
DOG MOUNTAIN	3A10	1080	27	180	746	966	316	980A	316	738	14
BEAVER PASS	WA12	1120	28	168	541	886	196	922	36	501*	29
KLESILKWA	3D03A	1130	31	70	140	454	62	508	0	223	44
STAVE LAKE	1D08	1210	31	284	1010	1043	626	1430	163	984	28
WAHLEACH LAKE	1D09	1400	31	119	303	526	259A	815	33	366	30
WAHLEACH LAKE	1D09P	1400	01	-	698	1036	573	1036	573	719*	5

NAHATLATCH RIVER	1D10	1520	31	281	961	911	797	1359	262	934	25
EASY PASS	WA13	1580	30	396	1575	-	940	2184	279	1146	29
CHILLIWACK RIVER	1D17P	1600	01	237	942	1560	803	1560	771	1136	6
GREAT BEAR	1D15P	1660	01	-	1281	1391	1241	1391	682	1017	7
TENQUILLE LAKE	1D06	1680	01	262	952	870	868	1206	241	735	26
NORTH THOMPSON											
BLUE RIVER	1E01B	670	30	82	220	340	310	340	98	250*	14
KNOUFF LAKE	1E05	1200	01	32	76	139	117	229	38	114	38
COOK FORKS	1E06	1390	01	192	576	721	736	874	353	584	24
BOSS MOUNTAIN MINE	1C20P	1460	01	-	345	518	566	566	510	432	4
MOUNT COOK	1E02A	1580	01	259	800	975	1098	1237	536	824	22
AZURE RIVER	1E08P	1620	01	221	859	788	-	788	788	788*	1
ADAMS RIVER	1E07	1720	28	157	429	582	588	588	285	433	17
KOSTAL LAKE	1E10P	1770	01	-	604	713	764	764	415	604	13
NORTH CLEMINA CREEK	1E13	1860	27	178	538	542	796	796	315	600*	9
SOUTH THOMPSON											
ANGLEMONT	1F02	1190	28	83	238	404	280	483	131	259	38
ABERDEEN LAKE	1F01A	1310	26	45	100	190	151	193	48	119	43
MONASHEE PASS	2E01	1370	06	81	230	364	-	364	122	235	38
ADAMS RIVER	1E07	1720	28	157	429	582	588	588	285	433	17
KIRBYVILLE LAKE	2A25	1750	03	222	800	-	1160	1160	381	770	23
SILVER STAR MOUNTAIN	2F10	1840	01	154	459	650	617	721	229	481	39
PARK MOUNTAIN	1F03P	1890	01	-	534	867	743	867	384	567	13
ENDERBY	1F04	1900	30	220	680	896	820	928	348	641	35

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COLUMBIA

February 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 COLUMBIA											
CANOE RIVER	2A01A	910	27	30	67	104	129	140	39	102	23
DOWNIE SLIDE (LOWER)	2A27	980	03	134	450	740	680	740	256	525	18
GLACIER	2A02	1250	31	156	460	531	654	828	241	493	57
FIELD	2A03A	1280	29	47	94	233	196	233	46	129	58
SUNWAPTA FALLS	AL11	1400	28	52	116	202	254	254	48B	149*	25
VERMONT CREEK	2A19	1520	Not Measured			371	391	574	102	325	30
AZURE RIVER	1E08P	1620	01	221	859	788	-	788	788	788*	1
DOWNIE SLIDE (UPPER)	2A29	1630	03	255	920	1096	1422	1422	466	837	17
KICKING HORSE	2A07	1650	29	76	190A	313	300A	384	153	256	51
KIRBYVILLE LAKE	2A25	1750	03	222	800	-	1160	1160	381	770	23
MOUNT REVELSTOKE	2A06P	1830	01	-	819	939	1126	1126	511	775	5
NORTH CLEMINA CREEK	1E13	1860	27	178	538	542	796	796	315	600*	9

FIDELITY MOUNTAIN	2A17	1870	31	254	862	864	1260	1376	480	842	35
BEAVERFOOT	2A11	1890	Not Measured			224	212	249	81	156	32
KEYSTONE CREEK	2A18	1890	03	147	470	-	711	866	290	553	29
GOLDSTREAM	2A16	1920	03	226	820	872	1136	1136	460	756	30
BUSH RIVER	2A23	1920	03	142	480	574	844	902	292	584	31
NIGEL CREEK	AL10	1920	28	93	244	288	508	528	94B	304*	25
MOUNT ABBOT	2A14	1980	30	253	816	789	1209	1209	473	836	39
MOLSON CREEK	2A21P	1980	01	-	725	721	922	1155	417	739	16
SUNBEAM LAKE	2A22	2010	03	154	500	602	827	886	405	641	31
MIRROR LAKE	AL06	2030	28	68	160	244	284	348	104	220*	30
BOW SUMMIT II	AL07A	2080	Not Available			236	411	480	86B	277*	18
LOWER COLUMBIA											
FERGUSON	2D02	880	27	145	400	616	573	616	251	385	26
BAIRD	WA02	980	30	61	152	295	84	295	20	149*	38
FARRON	2B02A	1220	30	90	220	-	237	346	63	236	24
MONASHEE PASS	2E01	1370	06	81	230	364	-	364	122	235	38
WHATSHAN (UPPER)	2B05	1480	06	149	469	759	558	759	249	447	28
BARNES CREEK	2B06	1620	06	104	304	612	481	612	196	341	30
BARNES CREEK	2B06P	1620	01	-	311	566	484	566	327	443*	5
ST. LEON CREEK	2B08	1800	06	261	991	1092	1080	1247	475	834	29
ST. LEON CREEK	2B08P	1800	Not Measured			829	-	829	524	739	4
KOCH CREEK	2B07	1860	Not Measured			708	586	708	203	476	30
RECORD MOUNTAIN	2B09	1890	31	155	497	655	433	738	117	496	23
EAST CREEK	2D08P	2030	01	-	535	611	955	1012	306	644	17

EAST KOOTENAY											
FERNIE EAST	2C07	1250	26	76	190	406	-	467	51	252	44
MARBLE CANYON	2C05	1520	29	85	217	344	363	505	130	258	49
SULLIVAN MINE	2C04	1550	30	59	149	397	245	397	46	228	52
WEASEL DIVIDE	MT02	1660	29	165	488	813	706	858	185	553*	14
MOUNT JOFFRE	2C16	1750	Not Measured			376	373	439	107	265	26
MORRISSEY RIDGE	2C09Q	1800	01	-	416	727	534	886	346	500	14
MOYIE MOUNTAIN	2C10P	1930	01	-	259	-	-	462	104	259*	17
MOYIE MOUNTAIN	2C10	1940	28	80	197	479	334	479	127	293	28
ALLISON PASS	AL01	1980	27	98	279	518	424	521	251	384*	8
THUNDER CREEK	2C17	2010	Not Measured			261	240	335	69	192	26
FLOE LAKE	2C14	2090	Not Measured			620	688	811	287	531	28
FLOE LAKE	2C14P	2090	01	-	401	574	634	634	238	465	3
HIGHWOOD SUMMIT (BUSH)	AL02	2210	27	83	211	320	376	480	132	278*	18
MOUNT ASSINIBOINE	2C15	2230	Not Measured			415	526	592	170	362	28
SUNSHINE VILLAGE	AL05	2230	29	119	298	386	559	678	231	427*	12
WEST KOOTENAY											
DUNCAN LAKE NO. 2	2D07A	650	28	34	110	283	162	283	60	154*	7
FERGUSON	2D02	880	27	145	400	616	573	616	251	385	26
NELSON	2D04	930	29	103	300	508	236	508	79	276	59
CHAR CREEK	2D06	1310	31	126	350	650	362	650	117	382	32

GRAY CREEK (LOWER)	2D05	1550	28	108	278	484	304	511	127	305	49
KOCH CREEK	2B07	1860	Not Measured			708	586	708	203	476	30
MOUNT TEMPLEMAN	2D09	1860	Not Measured			743	1020	1115	452	738	30
GRAY CREEK (UPPER)	2D10	1910	28	157	430	672	634	792	268	518	29
EAST CREEK	2D08P	2030	01	-	535	611	955	1012	306	644	17
KETTLE											
FARRON	2B02A	1220	30	90	220	-	237	346	63	236	24
GOAT CREEK	WA04	1220	30	61	127	201	119	224	20	134*	36
MONASHEE PASS	2E01	1370	06	81	230	364	-	364	122	235	38
SUMMIT G.S.	WA05	1400	30	71	145	244	127	244	41	146*	36
BIG WHITE MOUNTAIN	2E03	1680	02	119	338	458	386	483	183	317	32
GRANO CREEK	2E07P	1860	01	102	304	-	-	-	-	-	0
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	27	62	134	238	212	307	66	175	33
MC CULLOCH	2F03	1280	30	59	143	175	137	196	57	120	61
ABERDEEN LAKE	1F01A	1310	26	45	100	190	151	193	48	119	43
POSTILL LAKE	2F07	1370	27	60	142	243	185	243	73	140	47
VASEUX CREEK	2F20	1400	28	40	106	-	-	208	51	103	20
TROUT CREEK	2F01	1430	02	50	117	182	179	292	33A	136	60
BRENDA MINE	2F18P	1460	01	-	212	368	343	368	168	265	5
ISLAHT LAKE	2F24	1480	28	84	222	314Z	274	364	134	229	14
GREYBACK RESERVOIR	2F08	1550	28	64	158	244	214	269	60	155	27
ISINTOK LAKE	2F11	1680	28	42	83	151	160	307	26	133	32
MISSION CREEK	2F05P	1780	01	-	296	-	315	443	152	299	26
MOUNT KOBAU	2F12	1810	31	66	172	331	212	373	43	215	31

WHITEROCKS MOUNTAIN	2F09	1830	30	118	333	453	361	693	135	392	27
SILVER STAR MOUNTAIN	2F10	1840	01	154	459	650	617	721	229	481	39
SIMILKAMEEN											
FREEZEOUT CREEK TRAIL	WA11	1070	29	91	244	409	79	462	13	227*	28
HAMILTON HILL	2G06	1490	01	78	220	346	281	411	104	256	34
MISSEZULA MOUNTAIN	2G05	1550	31	55	136	241	193	284	61	166	31
ISINTOK LAKE	2F11	1680	28	42	83	151	160	307	26	133	32
LOST HORSE MOUNTAIN	2G04	1920	29	47	129	216	212	335	70	160	37
BLACKWALL PEAK	2G03P	1940	01	-	521	817	600	1076	159	597	30
HARTS PASS	WA09	1980	29	234	737	917	828	1328	246	781*	43

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

February 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
PEACE											
FORT ST. JOHN A	4A25	690	26	25	38	154	146	154	44	84	24
MACKENZIE A	4A19	700	30	61	136	256	192	305	58	175	25
PACIFIC LAKE	1A11	770	31	135	382	544	341	679	269	425	30
BULLHEAD MOUNTAIN	4A28	790	03	22	35	122	149	149	20	69*	14
WARE (LOWER)	4A04	980	02	49	105	171	195	286	63	127	29
PHILIP LAKE	4A13	980	01	73	173	336	238	353	124	199	31
AIKEN LAKE	4A30P	1040	01	-	165	180	289	330	142	205*	11
TUTIZZI LAKE	4A06	1070	01	71	149	213	256	348	109	181	29
TSAYDAYCHI LAKE	4A12	1160	01	104	263	381	355	507	146	270	30
PINK MOUNTAIN	4A14	1170	Not Available			115	138	138	25	64	23
KAZA lAKE	1A12	1190	01	92	236	290	297	440	125	229	28
PULPIT LAKE	4A09	1310	02	113	274	272	369	530	190	293	26
PULPIT LAKE	4A09P	1310	01	-	311	299	366	405	232	321	7
FREDRICKSON LAKE	4A10	1310	01	63	137	161	235	309	110	173	29
PINE PASS	4A02P	1400	01	-	853	762	-	1241	762	823	6

TRYGVE LAKE	4A11	1400	02	104	246	224	326	434	183	255	28
SIKANNI LAKE	4C01	1400	02	74	166	184	252	325	81	178	28
PINE PASS	4A02	1430	31	265	955	856	988	1194	411	771	27
MORFEE MOUNTAIN	4A16	1450	31	187	655	772	727	952	323	579	29
LADY LAURIER LAKE	4A07	1460	03	128	358	307	519	635	226	343	26
MOUNT SHEBA	4A18	1490	31	159	523	687	609	918	317	543	28
GERMANSEN (UPPER)	4A05	1500	01	93	233	309	272	371	140	241	29
MOUNT STEARNS	4A21	1500	02	51	101	117	196	196	41	107	23
JOHANSON LAKE	4B02	1540	01	86	222	214	297	355	115	202	27
MONKMAN CREEK	4A20	1550	31	104	290	426	501	775	238	418	21
WARE (UPPER)	4A03	1570	02	86	214	180	289	289	108	178	27
BULLMOOSE CREEK	4A31	1570	06	117	317	376	469	539B	217	365*	10
KWADACHA RIVER	4A27	1620	02	104	262	-	-	406	174	250	13
KWADACHA RIVER	4A27P	1620	Not Measured			232	258	371	139	230	13
SKEENA/NASS											
TERRACE A	4B13A	180	28	20	54	274	154	274	0	150	18
BEAR PASS	4B11A	460	29	115	400	412	297	821	297	627	14
NINGUNSAW PASS	4B10	690	30	81	210	298	280A	603	171	308	23
KAZA LAKE	1A12	1190	01	92	236	290	297	440	125	229	28
LU LAKE	4B15P	1310	01	-	169	-	-	-	-	-	0
TSAI CREEK	4B17P	1360	01	-	791	-	-	-	-	-	0
KIDPRICE LAKE	4B01	1370	29	208	635	748	870	894B	440	607	40

TRYGVE LAKE	4A11	1400	02	104	246	224	326	434	183	255	28
HUDSON BAY MTN.	4B03A	1480	28	133	342	477	463	665	221	361	26
SHEDIN CREEK	4B16P	1480	01	163	619	600	693	693	600	647*	2
JOHANSON LAKE	4B02	1540	01	86	222	214	297	355	115	202	27
LIARD											
FORT NELSON A	4C05	380	31	25	43	77	119	128	48	86	32
DEASE LAKE	4C03	820	01	31	52	102	124	202	36	104	33
BLUFF CREEK	4C11P	1040	Not Measured			-	204	308	98	189	6
DEADWOOD RIVER	4C09P	1300	01	-	61	73	113	207	73	128*	4
CASSIAR	4C04	1390	27	100	270	168	-	452	137	234	33
SIKANNI LAKE	4C01	1400	02	74	166	184	252	325	81	178	28
STIKINE/ TAKU											
FORREST-KERR CREEK	4D08P	560	01	-	338	360	439	570	360	453*	6
TELEGRAPH CREEK	4D01	580	31	40	58	52	-	244	51	131	18
NINGUNSAW PASS	4B10	690	30	81	210	298	280A	603	171	308	23
DEASE LAKE	4C03	820	01	31	52	102	124	202	36	104	33
ISKUT	4D02	1000	30	30	59	75	82	162	36	88	24
KINASKAN LAKE	4D11P	1020	01	-	247	155	241	516	155	299*	7
TUMEKA CREEK	4D10P	1220	01	-	402	274	463	744	274	449	8
WADE LAKE	4D14P	1370	01	-	238	-	277	410	125	295	6
UPPER STIKINE	4D13P	1450	01	-	344	253	378	552	253	307	8
YUKON											

ATLIN LAKE	4E02A	730	26	43	82	54	128	175	54	100*	14

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March 1, 1998

Fraser Basin Snow

Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

Valley-bottom precipitation of less than 50% of normal combined with mean temperatures of about 4ºC above normal during February have resulted in a snowpack in the upper Fraser that is about 25% below normal for this date. This is particularly noticeable in the eastern portions of the basin and at lower elevations. For example Hansard (1A06A) and McBride (lower) (1A22) with records going back for over 20 years, both report record low March 1 snow water equivalents.

In the Nechako basin, although snow accumulations were below normal in February, the March 1 regional snowpack is estimated to be only 7% below normal.

The natural runoff in the area as measured by the gauging station on the Fraser at Marguerite was very close to normal during February.

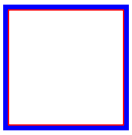
Data Graphs

MIDDLE AND LOWER FRASER

Valley bottom precipitation during February in the middle and lower Fraser basins were only 44 and 61 % of normal, respectively and mean temperatures were 2 to 5ºC above normal.

The snowpack in the middle Fraser basin averages about 13% below normal for this date, but there is considerable variability. For example, the Bridge River basin snowpack is close to normal while that in the Nicola and Quesnel River basins is slightly below normal. By contrast, the plateau area of the Chilcotin and West Road River is considerably below normal for the beginning of March. Although snowpack accumulations were below normal in the lower Fraser basin during February, the regional snowpack is close to normal for this sampling date.

The mean flow in the Fraser River at Hope was a little below normal in February. Although there will be some further snow accumulation during the next month or so, there appears to be little danger of serious flooding in the Fraser system this spring.

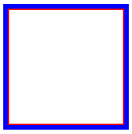
 Data Graphs

NORTH AND SOUTH THOMPSON

Valley-bottom precipitation was below normal in February with the result that the accumulated precipitation totals since the beginning of November are now about 16% below normal. Temperatures during the month averaged 4 to 5ºC above normal.

Snow accumulations during the month were, in general, a little below normal, but the snowpack remains close to normal for this sampling period.

The flow in the Thompson River near Spences Bridge continued the above normal pattern that has been reported all winter. This is probably due to the warmer temperatures melting low level snow and the early break-up of frozen lakes. Peak flows in the spring depend largely on weather patterns at that time, but there appears to be relatively little danger of damaging flooding in the Thompson basin this year.

 Data Graphs

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March 1, 1998

Columbia Basin Snow

Columbia Basin Snow Survey Measurements

UPPER AND LOWER COLUMBIA

Meteorological station reports indicate that precipitation in February was 42% below normal, bringing the accumulated total since November to 29% below normal for the period. Mean temperatures during the month were 3 to 4ºC above normal.

As a result of the low precipitation amounts and the warmer weather, mountain snowpack accumulations during February were less than normal and the snowpack is now estimated to be 12% below normal compared with only 3% below normal a month ago.

Natural flow in the region as indicated by the Columbia River at Donald, was 15% above normal, probably due to some melting of low elevation snowpacks.

Data Graphs

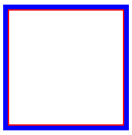
Data Graph

EAST AND WEST KOOTENAY

Valley-bottom precipitation in the Kootenays during February was less than half normal with the accumulated precipitation since the beginning of November now showing a 40% deficiency from normal.

As a result of the reduced precipitation, the snowpack accumulations were also below normal during the month and the regional snowpack is now estimated to be about 23% below normal. It is interesting to note that a year at ago at this sampling period the snowpack was a similar amount *above* normal.

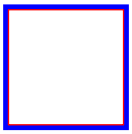
The natural flow in the area as indicated by the Kootenay River at Fort Steele was a little above normal during February - probably as the result of low elevation melting of the snowpack. Peak flows are determined, to a large extent, by the weather conditions during the melt. However, given the low snowpack levels presently reported, it does not appear likely that there will be any danger of the major rivers reaching flood stage this spring.


Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

Snowpack accumulations in the Okanagan and Kettle basins were close to normal during March so the overall regional snowpack remains essentially unchanged at about 7% below normal. In the Similkameen basin, however, February precipitation was well below normal with the result that snowpack accumulations were also below normal. The regional snowpack is now estimated to be aabout 25% below normal - a major change from a year ago when the snowpack was about 20% above normal!

Inflow to Okanagan Lake was almost three times normal during February, the thirty-first consecutive month that inflows have been above normal. Despite this, Okanagan Lake is close to its target level for this date and, unless there are abnormal weather conditions, Okanagan Lake levels and Okanagan River flows should remain with normal bounds this spring and summer and there should be sufficient water for all users.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March 1, 1998

Snow Survey Measureme Coastal Basin Snow Survey Measurements

SOUTH COASTAL AND VANCOUVER ISLAND

The South Coast region continues to have an overall snowpack that is just above normal. January snow accumulation was normal overall, though this varied between snow courses, and precipitation at weather stations was just below normal. Seasonal total precipitation is 85% of normal. Farther up the coast, Tatlayoko Lake (3A13) snow course reports 70% of its March 1 normal.

March 1 snow surveys continue to show a Vancouver Island snowpack that is well above normal, again with the exception of the low elevation Elk River snow course (3B04) which is bare. Precipitation was normal for February, and the total since November is just above normal.

Mean monthly temperature for the South Coast and Vancouver Island was 2ºC above normal for February, continuing the above normal trend experienced since September.

Inflow to Upper Campbell Lake on Vancouver Island was 105% of normal for February, continuing a pattern that has been evident all winter.

Data Graphs

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March 1, 1998

Snow Survey Measuremer

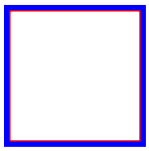
Northern Basins Snow Survey Measurements

NORTHEASTERN

Peace River snowcourses showed less than normal accumulation for February, and the overall regional snowpack for March 1 appears to be near normal. Snow surveys for the Liard show an even smaller February increase, and the March 1 snowpack is 18% below normal.

Based on very little data, precipitation totals since November are below normal for the Peace basin and well below normal for the Liard basin. The Dease Lake weather station reported almost no precipitation for February. Mean monthly temperatures for northeastern BC continue to vary wildly, as shown by the monthly deviations from normal for September through February: +1.5ºC, -3.0ºC, +3.5ºC, +7.0ºC, -4.0ºC, +3.0ºC.

Regional runoff is indicated by inflow to Williston Lake, which was 38% above normal for February, continuing the pattern observed all winter.



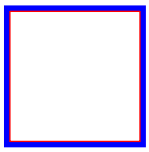
Data Graphs

NORTHWESTERN

Snowpack in the Skeena-Nass region for March 1 is just below normal, with lower elevation snow courses continuing to show well below normal readings. Bear Pass (4B11A) and Ningunsaw (4B10) show record low readings for 14 and 23 years of record, respectively. In the Stikine region, the overall snowpack is below normal, with the Dease Lake snowcourse (4C03) showing a record low water equivalent for 33 years of March 1 samples. In the Yukon River drainage, snow courses vary from approximately 20% below to 20% above normal.

Monthly precipitation measured at weather stations was very low for the second month in a row, bringing the total since September to 85% of normal. This is influenced by the Dease Lake station, which reported almost no precip for February. Mean monthly temperatures have been remarkably variable this winter, and the February average was +4.0ºC above normal.

February flow in the Skeena River at Usk was 7% below normal.



Data Graphs

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FRASER

March 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	23	18	50	188	145	296	33	142	36
PACIFIC LAKE	1A11	770	24	127	428	677	440	832	277	544	35
MCBRIDE (LOWER)	1A22	790	25	19	38	166	108	280	44	154	23
BURNS LAKE	1A16	800	03	68	130	240	174	240	60	136	26
CANOE RIVER	2A01A	910	25	23	64	119	142	251	32	133	57
PHILIP LAKE	4A13	980	25	75	222	352	288	382	152	249	34
HEDRICK LAKE	1A14	1100	24	136	463	729	548	954	330	588	30
MCBRIDE (MIDDLE)	1A20	1160	25	65	164	350	298	411	174	337	24
BIRD CREEK	1A23	1180	27	36	100	232	142	232	102	145*	8
KAZA LAKE	1A12	1190	25	98	275	326	397	478	186	282	32
LU LAKE	4B15	1300	24	81	206	406	356	406	172	274	19
FORFAR CREEK (UPPER)	1A24	1410	26	143	472	648	546	648	408	518*	4
EQUITY MINE	4B14	1420	25	112	314	514	460	514	234	302	20
MOUNT SHEBA	4A18	1490	24	167	601	901	730	1037	394	697	27
BARKERVILLE	1A03	1520	28	70	206	-	244	467	191	323	46
BARKERVILLE	1A03P	1520	01	-	225	375	-	479	194	324	19
MC BRIDE (UPPER)	1A02	1580	25	90	249	362	356	594	182	389	44

KNUDSEN LAKE	1A15	1580	24	146	570	679	687	1098	422	772	27
NARROW LAKE	1A21	1650	25	170	649	939	632	1300	419	739	23
REVOLUTION CREEK	1A17P	1690	01	-	496	654	745	1119	622	759	12
LONGWORTH (UPPER)	1A05	1740	24	156	576	870	632	1104	307	637	40
DOME MOUNTAIN	1A19	1820	24	136	472	689	538	981	351	680	24
MARMOT JASPER	AL12	1830	25	54	144	213	251	314	111	211*	14
YELLOWHEAD	1A01	1860	24	105	313	414	624	660	185	438	27
YELLOWHEAD	1A01P	1860	01	102	368	439	-	439	439	439*	1
HOLMES RIVER	1A18	1900	24	139	474	571	662	910	321	642	24
NECHAKO											
SKINS LAKE	1B05	880	27	29	102	168	159	226	54	119	34
TAHTSA LAKE	1B02	1300	26	269	994	1019	1119	1405	571	980	46
TAHTSA LAKE	1B02P	1300	01	-	1143	1158	-	1198	661	1004	4
KIDPRICE LAKE	4B01	1370	26	187	673	838	988	1101	429	773	46
MOUNT PONDOSY	1B08P	1400	01	-	701	799	853	887	405	707*	5
MOUNT WELLS	1B01	1490	26	104	392	555	549	886	277	455	45
MOUNT WELLS	1B01P	1490	01	-	430	607	597	607	396	493	5
NUTLI LAKE	1B07	1490	26	114	384	511	624	651	304	521*	7
MOUNT SWANNELL	1B06	1620	27	58	186	323	295	446	189	280*	9
MIDDLE FRASER											
PASS LAKE	1C04	870	25	13	33	112	118	196	0	93	38
PUNTZI MOUNTAIN	1C22	940	27	6	18	66	128	128	0	62	27
BROOKMERE	1C01	980	01	62	183	289	226	351	53	200	53
NAZKO	1C08	1070	27	13	25	107	81	155	0	83	21
BIG CREEK	1C21	1140	24	14	30	40	90	112	0	54	26
GRANITE MOUNTAIN	1C33	1150	02	39	94	254	215	254	133	198*	5
DUFFY LAKE	1C28	1200	01	145	418	556	356	606	194	442	19
PAVILION	1C06	1230	04	24	60	89	54	168	0	82	41

LAC LE JEUNE (LOWER)	1C07	1370	27	39	94	163	88	244	20	112	39
CONANT LAKE	1C31	1370	28	67	176	267	187	267	102	196	15
BRIDGE GLACIER (LOWER)	1C39	1400	27	182	588	476	590	620	476	562*	3
TRANQUILLE LAKE	1C03	1420	26	61	152	226	182	307	99	199	37
DEADMAN RIVER	1C32	1430	28	31	62	110	74	170	62	112	14
BRALORNE	1C14	1450	27	57	150	212	119	363	0	166	34
BONAPARTE LAKE	1C34	1450	24	73	192	312	308	312	254	288*	5
SPAHOMIN	1C30	1450	27	32	80	160	80	160	33	90	18
SHOVELNOSE MOUNTAIN	1C29	1450	28	72	229	309	244	309	104	258	17
BOSS MOUNTAIN MINE	1C20P	1460	01	-	435	604	619	619	570	503	4
BRENDA MINE	2F18P	1460	01	-	263	412	427	427	220	329	5
LAC LE JEUNE (UPPER)	1C25	1460	27	57	137	213	105	213	13A	141	25
BRENDA MINE	2F18	1460	26	80	238	337	354	495	130	292	29
BOSS MOUNTAIN MINE	1C20	1500	28	137	440	604	588	664	348	489	29
HIGHLAND VALLEY	1C09A	1510	26	38	87	149	59	229	25A	95	32
BARKERVILLE	1A03	1520	28	70	206	-	244	467	191	323	46
BARKERVILLE	1A03P	1520	01	-	225	375	-	479	194	324	19
FISH LAKE	1C35	1540	01	29	60	57	74	162	57	112*	4
HORSEFLY MOUNTAIN	1C13A	1550	23	84	300	536	568	624	238	379	26
FISH LAKE NO. 2	1C35A	1550	01	33	68	46	-	46	46	46*	1
GNAWED MOUNTAIN	1C19	1580	26	43	102	147	62	259	15	123	30
GREEN MOUNTAIN	1C12	1630	Not Measured			514	685	909	196	554	34
MOUNT TIMOTHY	1C17	1660	27	59	157	362	329	439	141	285	35

YANKS PEAK EAST	1C41P	1670	01	-	611	818	-	818	818	818*	1
PENFOLD CREEK	1C23	1680	25	216	782	970	966	1132	494	816	23
YANKS PEAK	1C24	1710	25	154	544	755	693	964	366	653	24
TATLAYOKO LAKE	3A13	1710	28	59	159	139	323	485	63	226	34
GREEN MOUNTAIN	1C12P	1780	01	-	786	704	887	923	690	801*	4
MCGILLIVRAY PASS	1C05	1800	27	158	550	574	538	1016	222	512	46
PORCUPINE RIDGE	1C02	1830	26	115	291	-	304	472	202	355	27
MISSION RIDGE	1C18P	1850	01	-	411	500	561	866	269	529	11
DOWNTON LAKE (UPPER)	1C38	1890	27	225	780	662	964	964	662	851*	3
TYAUGHTON CREEK (NORTH)	1C40	1950	27	105	368	416	388	420	388	408*	3
PAVILION MOUNTAIN	1C36	1960	Not Measured			248	197	248	197	225*	3
BRALORNE (UPPER)	1C37	1980	27	138	448	612	634	748	612	665*	3
LOWER FRASER											
WOLVERINE CREEK	1D13	300	02	No Snow		232	120	232	0	139	22
SUMMALLO RIVER WEST	3D01C	790	24	54	210	442	89	442	79	189*	6
BROOKMERE	1C01	980	01	62	183	289	226	351	53	200	53
DISAPPOINTMENT LAKE	1D18P	1040	Not Available			1284	-	1746	1284	1515	2
CALLAGHAN CREEK	3A20	1040	27	227	772	720	454	1260	200	853	20
DICKSON LAKE	1D16	1070	27	329	1304	-	542	1358	542	980*	6
DOG MOUNTAIN	3A10	1080	26	233	931	1170	345	1197	345	1011	14
BEAVER PASS	WA12	1120	25	178	632	924	411	1240	30	648*	49
KLESILKWA	3D03A	1130	05	70	221	508	62	759	0	283	47
DUFFEY LAKE	1C28	1200	01	145	418	556	356	606	194	442	19

STAVE LAKE	1D08	1210	27	398	1516	1190	846	2047	353	1335	31
WAHLEACH LAKE	1D09	1400	05	177	533	604	323	1072	86	521	31
WAHLEACH LAKE	1D09P	1400	01	-	850	1213	698	1213	646	803*	6
NAHATLATCH RIVER	1D10	1520	27	345	1247	975	1067	1897	450	1193	29
EASY PASS	WA13	1580	Not Available			2388	1346	2913	478	1680	35
CHILLIWACK RIVER	1D17P	1600	01	274	1096	1567	1050	1567	827	1338	5
GREAT BEAR	1D15P	1660	01	-	1393	1669	1490	1752	708	1254	7
TENQUILLE LAKE	1D06	1680	28	292	1092	940	965	1539	410	973	44
NORTH THOMPSON											
BLUE RIVER	1E01B	670	25	65	210	411	341	411	224	291	15
PASS LAKE	1C04	870	25	13	33	112	118	196	0	93	38
KNOUFF LAKE	1E05	1200	01	36	98	166	141	284	36	134	39
COOK FORKS	1E06	1390	27	197	625	880	906	1288	453	782	35
TRANQUILLE LAKE	1C03	1420	26	61	152	226	182	307	99	199	37
BOSS MOUNTAIN MINE	1C20P	1460	01	-	435	604	619	619	570	503	4
BOSS MOUNTAIN MINE	1C20	1500	28	137	440	604	588	664	348	489	29
MOUNT COOK	1E02A	1580	01	284	989	1142	1283	1311	573	1024	24
AZURE RIVER	1E08	1620	24	262	935	911	1262	1262	475	875	24
AZURE RIVER	1E08P	1620	01	247	1001	923	-	923	923	923*	1
ADAMS RIVER	1E07	1720	24	158	513	650	660	777	262	564	27
KOSTAL LAKE	1E10P	1770	01	-	715	822	874	887	519	721	13
PORCUPINE RIDGE	1C02	1830	26	115	291	-	304	472	202	355	27
TROPHY MOUNTAIN	1E03A	1860	25	128	438	566	455	619	281	447	23
NORTH CLEMINA CREEK	1E13	1860	24	190	619	554	860	899	355	699*	9
SOUTH THOMPSON											

ANGLEMONT	1F02	1190	24	68	218	494	342	635	200	332	41
ABERDEEN LAKE	1F01A	1310	23	41	119	218	195	231	51	144	44
MONASHEE PASS	2E01	1370	06	89	279	-	354	442	149	301	38
BOULEAU LAKE	2F21	1400	23	82	216	360	248	432A	165	296	27
ADAMS RIVER	1E07	1720	24	158	513	650	660	777	262	564	27
KIRBYVILLE LAKE	2A25	1750	24	264	937	995	1342	1342	526	935	24
SILVER STAR MOUNTAIN	2F10	1840	01	167	549	764	759	912	361	607	39
PARK MOUNTAIN	1F03P	1890	01	-	610	1021	898	1021	559	707	13
ENDERBY	1F04	1900	23	244	811	1028	906	1160	523	831	34

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COLUMBIA

March 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	25	23	64	119	142	251	32	133	57
DOWNIE SLIDE (LOWER)	2A27	980	24	134	464	792	852	852	378	665	20
GLACIER	2A02	1250	25	150	527	692	805	952	251	633	58
FIELD	2A03A	1280	26	45	108	248	246	248	53	158	58
SUNWAPTA FALLS	AL11	1400	25	51	140	208	274	277	79	173*	26
VERMONT CREEK	2A19	1520	24	104	307	446	514	643	152	409	31
AZURE RIVER	1E08	1620	24	262	935	911	1262	1262	475	875	24
AZURE RIVER	1E08P	1620	01	247	1001	923	-	923	923	923*	1
DOWNIE SLIDE (UPPER)	2A29	1630	24	302	1080	-	1414	1524	666	1048	18
KICKING HORSE	2A07	1650	26	84	230	382	381	462	178	313	51
KIRBYVILLE LAKE	2A25	1750	24	264	937	995	1342	1342	526	935	24
MOUNT REVELSTOKE	2A06P	1830	01	-	918	1091	1254	1254	537	997	4
NORTH CLEMINA CREEK	1E13	1860	24	190	619	554	860	899	355	699*	9

FIDELITY MOUNTAIN	2A17	1870	24	263	943	1126	1403	1703	534	1068	35
BEAVERFOOT	2A11	1890	24	53	126	258	268	333	94	200	36
KEYSTONE CREEK	2A18	1890	26	174	559	-	901	1013	366	690	29
GOLDSTREAM	2A16	1920	26	240	866	950	1341	1351	553	943	34
BUSH RIVER	2A23	1920	24	164	552	641	966	1078	281	712	30
NIGEL CREEK	AL10	1920	25	94	265	302	588	655	135	371*	26
MOUNT ABBOT	2A14	1980	27	247	886	1040	1281	1448	508	1046	38
MOLSON CREEK	2A21P	1980	01	-	770	810	-	1109	437	889	15
SUNBEAM LAKE	2A22	2010	24	172	572	747	1002	1090	389	777	30
MIRROR LAKE	AL06	2030	25	74	201	318	358	483	124	262*	31
BOW SUMMIT II	AL07A	2080	25	87	239	320	-	533	124	325*	18
LOWER COLUMBIA											
FERGUSON	2D02	880	25	117	437	668	692	692	332	521	46
BAIRD	WA02	980	25	61	188	368	140	368	0	182*	39
FARRON	2B02A	1220	27	108	295	405	333	450	79	301	25
MONASHEE PASS	2E01	1370	06	89	279	-	354	442	149	301	38
WHATSHAN (UPPER)	2B05	1480	06	166	579	-	726	881	340	573	36
BARNES CREEK	2B06	1620	06	126	384	-	536	605	251	430	36
BARNES CREEK	2B06P	1620	01	-	330	682	566	682	367	523*	4
ST. LEON CREEK	2B08	1800	06	289	1000	-	1243	1590	658	1052	29
ST. LEON CREEK	2B08P	1800	01	-	900	1020	-	1020	554	969	4
KOCH CREEK	2B07	1860	06	206	620	-	746	846	269	605	34
RECORD MOUNTAIN	2B09	1890	28	207	647	798	594	900	147	629	23
EAST CREEK	2D08P	2030	01	-	618	698	1101	1167	312	786	17

EAST KOOTENAY											
KISHENEHN	MT01	1190	26	56	157	320	203	399	36	214*	52
FERNIE EAST	2C07	1250	26	71	214	424	275	584	61	333	47
UPPER ELK RIVER	2C06	1340	27	25	74	192	110	330	3A	136	48
SINCLAIR PASS	2C01	1370	26	29	74	193	156	262	48	131	51
MARBLE CANYON	2C05	1520	27	88	250	382	450A	579	152	323	51
BRUSH CREEK TIMBER	MT03	1520	26	43	107	249	135	432	86	229*	46
SULLIVAN MINE	2C04	1550	27	63	164	402	327	465	53	279	52
WEASEL DIVIDE	MT02	1660	24	165	564	909	1026	1257	254	752*	39
KIMBERLEY (MIDDLE)V O R	2C12	1680	27	60	144	357	277	386	97	259	29
MOUNT JOFFRE	2C16	1750	26	90	252	-	475	551	140	316	26
MORRISSEY RIDGE	2C09Q	1800	01	-	473	787	748	1074	414	626	14
MOYIE MOUNTAIN	2C10P	1930	01	76	296	-	-	579	149	321*	18
MOYIE MOUNTAIN	2C10	1940	24	78	246	557	419	691	150	379	29
ALLISON PASS	AL01	1980	24	92	284	559	493	625	267	433*	15
THUNDER CREEK	2C17	2010	26	57	140	320	322	378	91	230	28
FLOE LAKE	2C14	2090	26	139	454	710	790	993	319	636	28
FLOE LAKE	2C14P	2090	01	-	435	660	716	716	254	560	3
KIMBERLEY (UPPER) V O R	2C11	2140	27	90	234	499	455	696	163	413	29
HIGHWOOD SUMMIT (BUSH)	AL02	2210	24	85	234	353	455	455	150	335*	19
MOUNT ASSINIBOINE	2C15	2230	26	119	328	504	666	680	213	434	28

SUNSHINE VILLAGE	AL05	2230	25	122	345	488	678	770	254	498*	27
WEST KOOTENAY											
DUNCAN LAKE NO. 2	2D07A	650	26	20	72	263	204	263	73	153*	7
FERGUSON	2D02	880	25	117	437	668	692	692	332	521	46
NELSON	2D04	930	26	96	345	558	336	558	140	355	58
SANDON	2D03	1070	01	89	300	403	388	434	239	343	21
CHAR CREEK	2D06	1310	28	130	483	698	492	754	234	487	30
BUNCHGRASS MEADOW	WA01	1520	Not Available			-	544	843	427	581*	13
GRAY CREEK (LOWER)	2D05	1550	25	109	324	577	386	663	201	390	49
ARROW CREEK	2D11	1620	01	179	600	897	749	897	442	616	18
KOCH CREEK	2B07	1860	06	206	620	-	746	846	269	605	34
MOUNT TEMPLEMAN	2D09	1860	24	226	744	-	1225	1534	516	909	29
GRAY CREEK (UPPER)	2D10	1910	25	165	484	840	754	955	356	647	29
HARLOW CREEK	2D12	1920	Not Measured			826	1017	1110	555	817*	10
EAST CREEK	2D08P	2030	01	-	618	698	1101	1167	312	786	17
KETTLE											
TRAPPING CREEK (LOWER)	2E05	930	01	35	98	178	176	224	44	128	32
FARRON	2B02A	1220	27	108	295	405	333	450	79	301	25
GOAT CREEK	WA04	1220	25	58	173	226	160	300	0	163*	35
CARMI	2E02	1250	02	54	150	196	180	274	56	147	35
TRAPPING CREEK (UPPER)	2E04A	1350	01	58	182	252	200	252	120	200	15
MONASHEE PASS	2E01	1370	06	89	279	-	354	442	149	301	38
SUMMIT G.S.	WA05	1400	25	79	196	277	206	305	63	189*	34

BIG WHITE MOUNTAIN	2E03	1680	01	127	396	530	512	676	213	403	32
GRANO CREEK	2E07P	1860	01	136	439	-	-	-	-	-	0
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	23	57	154	279	257	381	97	213	37
MC CULLOCH	2F03	1280	27	50	152	193	166	249	71	156	58
ABERDEEN LAKE	1F01A	1310	23	41	119	218	195	231	51	144	44
OYAMA LAKE	2F19	1340	26	55	150	241	209	241	73	151	28
POSTILL LAKE	2F07	1370	27	62	165	272	226	274	98	179	48
BOULEAU LAKE	2F21	1400	23	82	216	360	248	432A	165	296	27
VASEUX CREEK	2F20	1400	27	47	124	176	138	284	71A	139	27
TROUT CREEK	2F01	1430	23	54	140	209	221	335	55	165	58
BRENDA MINE	2F18	1460	26	80	238	337	354	495	130	292	29
BRENDA MINE	2F18P	1460	01	-	263	412	427	427	220	329	5
ISLAHT LAKE	2F24	1480	02	119	318	400	349	400	214	297	16
GREYBACK RESERVOIR	2F08	1550	27	63	171	306	262	312	91	195	31
ESPERON CR (UPPER)	2F13	1650	28	102	296	490	364	635	157	364	29
ISINTOK LAKE	2F11	1680	24	44	108	169	195	358	53	161	33
MACDONALD LAKE	2F23	1740	26	114	329	436	436	512	170	377	21
MUTTON CREEK NO. 1	WA07	1740	25	150	399	396	305	571	0	303*	54
MISSION CREEK	2F05P	1780	01	103	338	-	371	610	213	380	26
GRAYSTOKE LAKE	2F04	1810	25	74	214	416	-	605	148	337	20
MOUNT KOBAU	2F12	1810	28	110	324	360	293	488	61	265	32
WHITEROCKS MOUNTAIN	2F09	1830	27	137	454	582	448	787	180	489	42

SILVER STAR MOUNTAIN	2F10	1840	01	167	549	764	759	912	361	607	39
SIMILKAMEEN											
BROOKMERE	1C01	980	01	62	183	289	226	351	53	200	53
FREEZEOUT CREEK TRAIL	WA11	1070	26	76	256	414	168	615	15	272*	49
LIGHTNING LAKE	3D02	1220	03	89	277	422	307	478	51	258	24
HAMILTON HILL	2G06	1490	28	77	222	396	340	676	127	336	36
MISSEZULA MOUNTAIN	2G05	1550	27	60	156	259	239	363	76	223	34
ISINTOK LAKE	2F11	1680	24	44	108	169	195	358	53	161	33
LOST HORSE MOUNTAIN	2G04	1920	03	83	167	252	246	508	92	193	36
BLACKWALL PEAK	2G03P	1940	01	-	578	892	780	1323	213	755	30
HARTS PASS	WA09	1980	26	256	866	1069	1095	1636	312	945*	47

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* - PERIOD OF RECORD AVERAGE

COASTAL

March 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
SOUTH COASTAL											
PALISADE LAKE	3A09	880	23	293	1148	1281	461	1961	95	1199	43
PALISADE LAKE	3A09P	880	Not Available			-	-	-	-	-	0
POWELL RIVER (LOWER)	3A05	910	05	151	588	-	-	-	-	-	0
CHAPMAN CREEK	3A26	1022	27	370	1330	-	662	1376	662	948*	4
POWELL RIVER (UPPER)	3A02	1040	05	245	868	-	-	-	-	-	0
CALLAGHAN CREEK	3A20	1040	27	227	772	720	454	1260	200	853	20
EDWARDS LAKE	3A27	1070	27	268	912	-	380	944	380	657*	4
DOG MOUNTAIN	3A10	1080	26	233	931	1170	345	1197	345	1011	14
GROUSE MOUNTAIN	3A01	1100	26	281	1152	1320	522	2098	143	1023	47
ORCHID LAKE	3A19	1190	23	451	1690	1639	1027	2370	444	1577	23

ORCHID LAKE	3A19P	1190	Not Available			-	-	2238	805	1573	12
UPPER SQUAMISH RIVER	3A25P	1340	01	-	1564	1313	1163	1853	840	1359	8
DIAMOND HEAD	3A21	1420	Not Measured			-	1001	1578	483	1214	19
NOSTETUKO RIVER	3A22P	1500	01	-	524	393	668	741	203	513*	9
UPPER MOSELY CREEK	3A24P	1650	01	-	152	155	286	555	98	275	9
TATLAYOKO LAKE	3A13	1710	28	59	159	139	323	485	63	226	34
VANCOUVER ISLAND											
ELK RIVER	3B04	270	27	No Snow		0	20	546	0	168	37
WOLF RIVER (LOWER)	3B19	640	27	134	494	332	58	660	0	355	27
TENNENT LAKE	3B22	950	04	314	1180	742Z	500A	1000	290A	740	13
UPPER THELWOOD LAKE	3B10	980	27	399	1370	1004	584	2083	281	1221	37
WOLF RIVER (MIDDLE)	3B18	1070	27	244	774	430E	186	864A	71	539	27
FORBIDDEN PLATEAU	3B01	1130	06	438	1664	1180	633	2225	260	1283	42
JUMP CREEK	3B23P	1160	01	291	1174	1196	304	1196	304	750*	2
MOUNT COKELY	3B02A	1190	27	247	898	474Z	-	1016	178	716	17
SNO-BIRD LAKE	3B16	1400	24	348	1397	1124	596	1758	188	1073	31
WOLF RIVER (UPPER)	3B17P	1490	01	-	1777	939	802	1502	512	1140	10

NORTH COASTAL											
WEDEENE RIVER SOUTH	3C07	300	26	56	207	507	349	547	240A	364	14
TAHTSA LAKE	1B02	1300	26	269	994	1019	1119	1405	571	980	46
TAHTSA LAKE	1B02P	1300	01	-	1143	1158	-	1198	661	1004	4
BURNT BRIDGE CREEK	3C08P	1330	01	-	683	-	-	-	-	-	0
SKAGIT											
SUMALLO RIVER WEST	3D01C	790	24	54	210	442	89	442	79	189*	6
FREEZEOUT CREEK TRAIL	WA11	1070	26	76	256	414	168	615	15	272*	49
BEAVER PASS	WA12	1120	25	178	632	924	411	1240	30	648*	49
KLESILKWA	3D03A	1130	05	70	221	508	62	759	0	283	47
LIGHTNING LAKE	3D02	1220	03	89	277	422	307	478	51	258	24
HARTS PASS	WA09	1980	26	256	866	1069	1095	1636	312	945*	47

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

March 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	62	182	154	191	52	111	24
MACKENZIE A	4A19	700	27	60	156	264	236	345	130	217	25
PACIFIC LAKE	1A11	770	24	127	428	677	440	832	277	544	35
BULLHEAD MOUNTAIN	4A28	790	01	36	66	142	136	142	12	80*	14
MC LEOD LAKE	4A01	980	28	61	170	364	230	364	98	204	38
WARE (LOWER)	4A04	980	26	53	130	202	246	246	97	155	34
PHILIP LAKE	4A13	980	25	75	222	352	288	382	152	249	34
AIKEN LAKE	4A30P	1040	01	-	191	317	327	363	162	253*	11
TUTIZZI LAKE	4A06	1070	25	74	187	234	297	386	140	225	34
TSAYDAYCHI LAKE	4A12	1160	25	109	323	423	437	540	166	339	34
PINK MOUNTAIN	4A14	1170	01	36	64	121	160	160	40	74	34
KAZA lAKE	1A12	1190	25	98	275	326	397	478	186	282	32
PULPIT LAKE	4A09	1310	26	116	334	350	442	531	233	358	33
PULPIT LAKE	4A09P	1310	01	-	341	378	448	448	326	366	7
FREDRICKSON LAKE	4A10	1310	25	66	154	202	293	315	129	212	33

PINE PASS	4A02P	1400	01	-	920	835	-	1485	835	963	6
TRYGVE LAKE	4A11	1400	26	112	306	274	412	453	211	314	33
SIKANNI LAKE	4C01	1400	26	86	211	219	317	335	107	223	32
PINE PASS	4A02	1430	24	266	996	1095	1163	1502	480	969	34
MORFEE MOUNTAIN	4A16	1450	24	168	670	904	927	1166	312	717	30
LADY LAURIER LAKE	4A07	1460	26	146	449	375	594	662	255	425	31
MOUNT SHEBA	4A18	1490	24	167	601	901	730	1037	394	697	27
GERMANSEN (UPPER)	4A05	1500	25	99	286	344	326	520	174	300	37
MOUNT STEARNS	4A21	1500	26	63	134	123	227	227	58	129	23
JOHANSON LAKE	4B02	1540	26	94	263	232	368	368	148	250	34
MONKMAN CREEK	4A20	1550	24	115	375	521	595	925	290	540	16
WARE (UPPER)	4A03	1570	26	92	247	205	360	360	114	213	37
BULLMOOSE CREEK	4A31	1570	06	123	358	472	539	663	273	477*	10
KWADACHA RIVER	4A27	1620	26	110	300	-	-	424	242	306	13
KWADACHA RIVER	4A27P	1620	Not Measured			265	333	405	195	284	14
SKEENA/NASS											
TERRACE A	4B13A	180	27	No Snow		240	132	407	0	179	16
BEAR PASS	4B11A	460	28	108	384	543	567	824	458	751	14
NINGUNSAW PASS	4B10	690	02	77	232	359	417	629	259	400	23
GRANDUC MINE	4B12	790	27	335	1179	-	-	1867	985	1336	9
MCKENDRICK CREEK	4B07	1050	26	79	230	381	293	391	177	265	30

TACHEK CREEK	4B06	1140	27	69	164	330	286	330	117	191	30
KAZA LAKE	1A12	1190	25	98	275	326	397	478	186	282	32
LU LAKE	4B15	1300	24	81	206	406	356	406	172	274	19
LU LAKE	4B15P	1310	01	-	199	-	-	-	-	-	0
TSAI CREEK	4B17P	1360	01	-	919	-	-	-	-	-	0
KIDPRICE LAKE	4B01	1370	26	187	673	838	988	1101	429	773	46
TRYGVE LAKE	4A11	1400	26	112	306	274	412	453	211	314	33
EQUITY MINE	4B14	1420	25	112	314	514	460	514	234	302	20
CHAPMAN LAKE	4B04	1460	26	132	415	536	561	691	268	396	33
HUDSON BAY MTN.	4B03A	1480	27	127	414	568	513	719	287	449	26
MOUNT CRONIN	4B08	1480	26	155	516	599	563	869	348	521	29
SHEDIN CREEK	4B16P	1480	01	-	686	750	904	904	750	827*	2
JOHANSON LAKE	4B02	1540	26	94	263	232	368	368	148	250	34
LIARD											
FORT NELSON A	4C05	380	01	28	47	92	140	177A	52	102	32
WATSON LAKE A	YK01	700	01	61	114	111	180	216	61	127*	32
FRANCES RIVER	YK02	730	28	70	149	120	158	312	65	135*	22
DEASE LAKE	4C03	820	23	26	45	138	178	229	46	129	33
BLUFF CREEK	4C11P	1040	Not Measured			-	262	293	131	229	4
SUMMIT LAKE	4C02	1280	Not Available			104	-	190	48	105	30
DEADWOOD RIVER	4C09P	1300	01	-	58	101	152	220	101	157*	4
CASSIAR	4C04	1390	27	110	306	332B	-	456	142A	286	33
SIKANNI LAKE	4C01	1400	26	86	211	219	317	335	107	223	32

STIKINE/ TAKU											
SPEEL RIVER	AK03	80	25	122	401	584	414	1024	396	662*	27
FORREST-KERR CREEK	4D08P	560	01	-	323	494	567	640	494	552*	5
TELEGRAPH CREEK	4D01	580	07	38	82	53	117	345	53	156	23
NINGUNSAW PASS	4B10	690	02	77	232	359	417	629	259	400	23
DEASE LAKE	4C03	820	23	26	45	138	178	229	46	129	33
ISKUT	4D02	1000	02	31	51	86	109	176	38A	113	23
KINASKAN LAKE	4D11P	1020	01	-	265	204	296	527	204	318	7
TUMEKA CREEK	4D10P	1220	01	-	436	354	546	789	354	576	8
WADE LAKE	4D14P	1370	01	-	256	-	366	475	162	354	6
UPPER STIKINE	4D13P	1450	01	-	378	344	454	591	344	395	8
YUKON											
ATLIN LAKE	4E02A	730	01	46	95	71	117	185A	50	117*	14
LOG CABIN	4E01	880	23	119	344	244	265	514	124	303	37
PINE LK AIRSTRIP	YK03	1010	25	87	219	151	162	330	25	185*	22
MONTANA MTN.	YK05	1020	02	51	96	-	-	182	71	126*	17
TAGISH	YK04	1080	25	55	111	99	163	198	75	124*	22

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E - ESTIMATED BASED ON AREAL AVERAGE

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April 1, 1998

Fraser Basin Snow

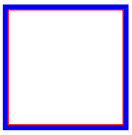
Fraser Basin Snow Survey Measurements

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.



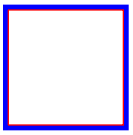
Upper Fraser & Nechako Data Graphs

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.

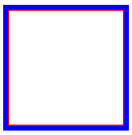
 Middle and Lower Fraser Data Graphs

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

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Volume Runoff Forecasts Fraser Basin Volume Runoff Forecasts

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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

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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

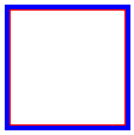
Columbia Data Graphs

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.

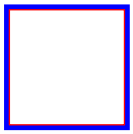
 Kootenay Data Graphs

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

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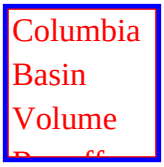

Columbia Basin Volume Runoff Forecasts

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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

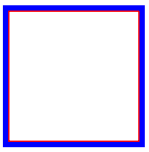
NORTHWESTERN

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

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Snow Pillow Information

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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

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* - 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

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* - 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

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May 1, 1998

Fraser Basin Snow Survey

Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

Precipitation in the upper Fraser during April was close to normal, although the accumulated precipitation since the beginning of November remains about 27% below normal. Temperatures in the region were about a degree above normal during the month.

The warm weather at the end of April has resulted in greater than normal depletions of the snowpack during the month and the regional snow water equivalent index is now estimated to be 35% below normal. Few new record low readings are reported for this date, but Barkerville (1A03), which has a forty year record for this sampling period, reports a record low reading only two-thirds of the previous record. Data for the Nechako basin snow courses are not yet available and will be added as soon as possible.

The flow in the Fraser River near Marguerite, having been above normal most of the winter, was only 70% of normal during April, presumably as the result of the previous depletion of much of the low elevation snowpack. Peak flows on the main rivers in the area this spring are very unlikely to reach flood stage.

Data Graphs

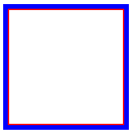
MIDDLE AND LOWER FRASER

While the lower Fraser basin enjoyed a very dry April, based on relatively few meteorological station reports, the middle Fraser basin had above normal precipitation. However, the cumulative precipitation total over the winter is still well below normal. Mean temperatures were about a degree or two above normal.

The warm weather in the region at the end of the month has resulted in greater than normal snowpack depletions during the month. The regional snow indices are now for 73% and 84% of normal for the middle and lower Fraser basins, respectively. In both cases this is 10% lower than a month ago.

Although there was a substantial increase in flows at the end of the month, the mean flow in the Fraser River at Hope for April was about 9% below normal. The volume forecast for this location through September is for 16% below normal

and, as a result, unless there are some really abnormal weather conditions, peak flows are not likely to reach damaging levels on the main stem of the Fraser River this spring.

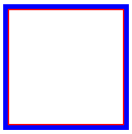
 Data Graphs

NORTH AND SOUTH THOMPSON

There are relativle few meteorological station reports available for the Thompson basin, but indications are that April precipitation was below normal in the North Thompson and a little above normal in the south. Mean temperatures were a little above normal.

The snowpack in the Thompson River basin above elevation 1500 m continued to accumulate snow during April although amounts were generally below normal. The result is that the regional snowpacks are a little below normal - 5% in the North Thompson and about 11% in the South Thompson basin.

The runoff as measured in the Thompson River near Spences Bridge has been above normal all winter and this pattern was continued through April with a mean flow reported at 55% greater than normal. Continued hot weather, particularly if followed by substantial rain could bring the rivers up close to flood stage, but there is no indication at present that this is likely to happen.

 Data Graphs

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May 1, 1998

Columbia Basin Snow

Columbia Basin Snow Survey Measurements

UPPER AND LOWER COLUMBIA

Valley-bottom precipitation in the Columbia valley in April was about 7% above normal, but the total precipitation since the beginning of November is still below normal. Mean temperatures averaged about 1.5ºC above normal.

Snowpack depletion during the month has generally been greater than normal. The result is that the regional snowpack water equivalent index which was 13% below normal at the beginning of April is now 19% below normal.

Natural runoff as measured at Donald was about 10% below normal for April - probably as a result of a lack of low and mid-elevation snow. Rivers responded quite rapidly to the warmth at the end of the month but, unless there is abnormal weather in the next few weeks, there appears to be little danger of flooding on the main rivers.

Data Graphs

Data Graph

EAST AND WEST KOOTENAY

Snowpacks in the Kootenay area are melting rapidly in response to the warm weather and the regional snowpack is now estimated to be almost 30% below normal for this date.

The warm weather at the end of April and into the first days of May has caused a rapid rise in many of the rivers and creeks in the area. However, unless there is a sequence of abnormal weather, it does not seem likely that there will be flooding on the main rivers in the region this spring.

Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

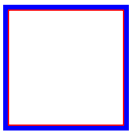
Total April precipitation was well above normal throughout the region with mean temperatures about 1ºC above normal.

Snowpack depletions, however, were well above normal, largely as the result of the warm weather towards the end of the month which caused appreciable melting. The regional snowpack for the Okanagan-Kettle and Similkameen basins are now estimated to be 14% and 41% below normal, respectively.

The warm spell at the end of the month brought many rivers and creeks close to bank-full conditions, but did not cause any widespread damage. A return to the very warm temperatures could bring streams up again, but damaging flooding along the main rivers appears unlikely this year.

As a result of the low snowpack in the Similkameen, the volume forecast for the Similkameen River at Nighthawk is for 62% of normal. As a result of this low forecast, water will be stored on Osoyoos Lake for use later in the year.

Inflow to Okanagan Lake was almost three times normal during April as a result of the rapid melt. The forecast for the May through July period is for 75% of normal and this should be sufficient to bring the lake to its normal summer elevation and provide ample water to all users.



Data Graphs

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May 1, 1998

Snow Survey Measureme Coastal Basin Snow Survey Measurements

SOUTH COASTAL AND VANCOUVER ISLAND

The South Coast regional snowpack dropped considerably during April, and the May 1 overall snowpack is below normal. The Grouse Mountain snow course (3A01) which has 48 years of May 1 data reports 87% of normal for this date. Tatlayoko Lake (3A13) in the Homathko basin reports 50% of normal. The April total precipitation at weather stations was well below normal, which is consistent with the change in the mountain snowpack.

On Vancouver Island, the May 1 snowpack continues to be somewhat above normal, but lower elevation snow is melting. The three Wolf River snow courses give a good overview of the change in April and the May 1 water content at different elevations. Precipitation for April at low elevation weather stations was also well below normal on the Island, especially the south end.

Regional runoff is indicated by inflow to Upper Campbell Lake, which was 67% of normal for April, the first below average month since last September. The forecast inflow from now until the end of July is for 110% of normal.

Data Graphs

Volume Runoff Forecasts Volume Runoff Forecasts

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May 1, 1998

Snow Survey Measureme

Northern Basins Snow Survey Measurements

NORTHEASTERN

The snowpack in the Peace River basin showed greater than normal depletion in April, though there were some courses at higher elevations that had above normal gains. The basinwide snowpack is below normal for May 1. Based on very sparse data, it is estimated that the Liard basin snowpack is well below normal for This date.

April precipitation at weather stations was highly variable in the Peace, but overall is estimated to be about normal. In the Liard, the April precipitation was also quite variable but overall is estimated to be above normal, on the basis of very little data. April mean temperatures varied from 1ºC above normal in the Peace to 3ºC above normal in the Liard.

Inflow to Williston Lake continued the above normal trend that has been ongoing for many months. Volume runoff forecasts for May-September predict 92% of normal flows, assuming average weather during this period.

Data Graphs

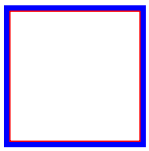
NORTHWESTERN

The May 1 snow water content in the Skeena-Nass region is below normal, especially at the lower elevations where two snow courses set or matched record low May 1 readings. Very few snowcourses were sampled in the Stikine region, but on the available data the snowpack is judged to be well below normal. The Yukon River drainage has a slightly below normal snowpack for this time of year.

April precipitation at weather stations was highly variable in the Skeena basin, and well below normal

towards the Yukon border. Seasonal totals since November are well below normal. Mean temperatures for April in northwest BC averaged 1ºC above normal.

The Skeena River at Usk had 86% of normal runoff for April. Assuming normal weather, seasonal runoff for May through September is predicted to be 87% of normal.



Data Graphs

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Volume Runoff Forecasts

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FRASER

May 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											
PACIFIC LAKE	1A11	770	28	66	300	735	265	950	93	558	33
PHILIP LAKE	4A13	980	29	40	132	329	202	406	0	228	34
HEDRICK LAKE	1A14	1100	28	104	458	870	507	1090	263	682	31
MCBRIDE (MIDDLE)	1A20	1160	26	46	154	354	204	482	64A	353	24
BIRD CREEK	1A23	1180	6	No Snow		0Z	0	82	0Z	21*	8
KAZA LAKE	1A12	1190	29	84	294	375	412	470	201	337	32
LU LAKE	4B15	1300	01	62	196	444	356	444	180	279	18
FORFAR CREEK (UPPER)	1A24	1410	29	139	542	790	700	790	462	642*	4
EQUITY MINE	4B14	1420	30	93	310	620	480	620	212	345	20
MOUNT SHEBA	4A18	1490	28	167	718	1251	889	1251	503	865	29
BARKERVILLE	1A03	1520	01	29	116	-	262	599	176	378	46
BARKERVILLE	1A03P	1520	01	-	240	439	-	604	169	376	21
MC BRIDE (UPPER)	1A02	1580	26	94	302	445	376	790	241	476	30
KNUDSEN LAKE	1A15	1580	28	167	721	913	806	1346	501	918	29
NARROW LAKE	1A21	1650	29	178	807	1266	756	1414	648	1015	23
REVOLUTION CREEK	1A17P	1690	01	-	517	861	844	1211	711	877	12
LONGWORTH (UPPER)	1A05	1740	28	144	644	1132	726	1476	391	861	45
DOME MOUNTAIN	1A19	1820	28	155	632	897	678	1138	452	889	25

MARMOT JASPER	AL12	1830	29	43	135	249	246	401	0	233*	26
YELLOWHEAD	1A01	1860	28	96	324	594	672	805A	318	547	47
YELLOWHEAD	1A01P	1860	01	89	401	364	-	364	364	364*	1
HOLMES RIVER	1A18	1900	28	145	575	853	793	1140	518	838	27
NECHAKO											
TAHTSA LAKE	1B02	1300	06	213	1090	1424	1286	1770	701	1202	46
TAHTSA LAKE	1B02P	1300	01	-	1375	1658	-	1658	866	1295	5
KIDPRICE LAKE	4B01	1370	06	136	746	1173	1094	1367	551	919	46
MOUNT PONDOSY	1B08P	1400	01	-	796	1021	-	1021	546	780*	5
MOUNT WELLS	1B01	1490	06	61	316	640	625	958	309	530	43
MOUNT WELLS	1B01P	1490	01	-	475	792	704	792	521	590	6
NUTLI LAKE	1B07	1490	06	72	331	660	693	693	416	552*	7
MOUNT SWANNELL	1B06	1620	06	24	109	406Z	314	450	177A	305*	9
MIDDLE FRASER											
BROOKMERE	1C01	980	03	9	34	238	106	419	0	117	51
GRANITE MOUNTAIN	1C33	1150	01	No Snow		75	8	75	0	24*	5
LAC LE JEUNE (LOWER)	1C07	1370	30	1	5	60	0	163	0	23*	40
CONANT LAKE	1C31	1370	25	25	96	158	51	223	0	121	16
BRIDGE GLACIER (LOWER)	1C39	1400	27	152	610	708	-	708	694	701*	2
DEADMAN RIVER	1C32	1430	28	22	60	39	0	121	0	58	14
BRALORNE	1C14	1450	27	No Snow		142	-	218	0	76	34
SHOVELNOSE MOUNTAIN	1C29	1450	25	36	157	198	75	302	0	137	18
SPAHOMIN	1C30	1450	30	No Snow		10	-	40	0	3*	17
BONAPARTE LAKE	1C34	1450	26	76	270A	378	300	378	250	313*	5
BOSS MOUNTAIN MINE	1C20P	1460	01	101	491	746	679	810	473	617	4
LAC LE JEUNE (UPPER)	1C25	1460	30	8	29	94	0	117A	0	27*	25
BRENDA MINE	2F18P	1460	01	-	99	273	235	279	0	179	5

BRENDA MINE	2F18	1460	28	51	230	344	272	526	0	234	29
BOSS MOUNTAIN MINE	1C20	1500	28	116	500	697	641	792	290	573	30
HIGHLAND VALLEY	1C09A	1510	29	No Snow		132	0	142	0	32	32
BARKERVILLE	1A03	1520	01	29	116	-	262	599	176	378	46
BARKERVILLE	1A03P	1520	01	-	240	439	-	604	169	376	21
HORSEFLY MOUNTAIN	1C13A	1550	27	89	274	590	-	676	136	430	27
GNAWED MOUNTAIN	1C19	1580	29	11	38	152	0	241	0	102	30
GREEN MOUNTAIN	1C12	1630	Not Measured			783	-	1234	320	687	33
MOUNT TIMOTHY	1C17	1660	01	50	184	371	312	536	118	311	35
YANKS PEAK EAST	1C41P	1670	01	140	724	1024	-	1024	1024	1024	1
PENFOLD CREEK	1C23	1680	29	219	1037	1258	1153	1420	796	1074	25
YANKS PEAK	1C24	1710	29	151	674	992	799	1057	500	821	26
TATLAYOKO LAKE	3A13	1710	02	37	117	215	273	544	69	234	34
GREEN MOUNTAIN	1C12P	1780	01	-	820	1088	1033	1088	807	997*	4
MCGILLIVRAY PASS	1C05	1800	27	119	500	754	-	1118	302	614	45
MISSION RIDGE	1C18P	1850	01	-	326	613	527	877	313	592	11
DOWNTON LAKE (UPPER)	1C38	1890	27	195	860	914	-	1018	914	966*	2
TYAUGHTON CREEK (NORTH)	1C40	1950	27	93	312	544	-	544	476	510*	2
PAVILION MOUNTAIN	1C36	1960	01	72	240	-	240	240	196	218*	2
BRALORNE (UPPER)	1C37	1980	27	138	590	868	-	868	822	845*	2
LOWER FRASER											
SUMMALLO RIVER WEST	3D01C	790	29	No Snow		348	0	348	0	58*	6
BROOKMERE	1C01	980	03	9	34	238	106	419	0	117	51

DISAPPOINTMENT LAKE	1D18P	1040	Not Measured			-	-	1920	1920	1920	1
CALLAGHAN CREEK	3A20	1040	30	124	650	990	320	1565	256	933	20
DICKSON LAKE	1D16	1070	30	267	1420	2140	700	2140	604	1279	7
DOG MOUNTAIN	3A10	1080	30	192	970	1475	404	1475	122	1384	14
BEAVER PASS	WA12	1120	30	119	569	1074	348	1590	135	763*	49
KLESILKWA	3D03A	1130	30	No Snow		349	0	752	0	176	25
STAVE LAKE	1D08	1210	30	312	1520	1780	1101	2695	796	1747	31
WAHLEACH LAKE	1D09	1400	30	128	624	885	296	1417	177	735	31
WAHLEACH LAKE	1D09P	1400	01	-	988	1585	826	1585	509	903*	6
NAHATLATCH RIVER	1D10	1520	30	258	1321	1514	1274	2362	940	1539	30
EASY PASS	WA13	1580	Not Available			-	-	3414	1072	2195	28
CHILLIWACK RIVER	1D17P	1600	01	219	1223	1780	1193	1780	925	1660	5
GREAT BEAR	1D15P	1660	01	-	1634	2487	1757	2487	1370	1674	6
TENQUILLE LAKE	1D06	1680	03	219	1085	1448	1200	1814	676	1227	41
NORTH THOMPSON											
BLUE RIVER	1E01B	670	29	No Snow		265	64	265	0	22*	15
COOK FORKS	1E06	1390	30	141	621	1018	839	1438	579	904	34
BOSS MOUNTAIN MINE	1C20P	1460	01	101	491	746	679	810	473	617	4
BOSS MOUNTAIN MINE	1C20	1500	28	116	500	697	641	792	290	573	30
MOUNT COOK	1E02A	1580	30	257	1283	1539	1494	1615	927	1339	24
AZURE RIVER	1E08	1620	29	224	1108	1329	1414	1491	766	1120	28
AZURE RIVER	1E08P	1620	01	203	1208	1459	-	1459	1459	1459	1
ADAMS RIVER	1E07	1720	27	172	741	839	790	1173	396	793	27
KOSTAL LAKE	1E10P	1770	01	-	911	1100	1055	1100	733	921	13
TROPHY MOUNTAIN	1E03A	1860	26	162	616	694	660E	803	417	604	22
NORTH CLEMINA CREEK	1E13	1860	28	183	756	879	1090	1115	579	891*	9

SOUTH THOMPSON											
ANGLEMONT	1F02	1190	25	17	66	496	110	496	0	233	40
ABERDEEN LAKE	1F01A	1310	01	No Snow		77	0	144	0	37	44
MONASHEE PASS	2E01	1370	28	55	231	442	330	505	67	305	40
BOULEAU LAKE	2F21	1400	26	52	194	384	268	488	95	320	26
ADAMS RIVER	1E07	1720	27	172	741	839	790	1173	396	793	27
KIRBYVILLE LAKE	2A25	1750	27	244	1092	1422	1597	1793	770	1233	26
SILVER STAR MOUNTAIN	2F10	1840	26	157	653	925	819	1135	371	733	39
PARK MOUNTAIN	1F03P	1890	01	-	782	1343	1118	1343	653	956	13
ENDERBY	1F04	1900	28	240	1000	1430	1120	1430	700	1085	35

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E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COLUMBIA

May 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 COLUMBIA											
DOWNIE SLIDE (LOWER)	2A27	980	27	79	350	910	714	910	0	638	21
GLACIER	2A02	1250	27	105	511	820	792	1247	320	719	52
FIELD	2A03A	1280	29	No Snow		119	28	178	0	28	45
SUNWAPTA FALLS	AL11	1400	29	11	36	172	172	389	0	152*	27
VERMONT CREEK	2A19	1520	26	77	295	477	448	1026	140	447	32
AZURE RIVER	1E08	1620	29	224	1108	1329	1414	1491	766	1120	28
AZURE RIVER	1E08P	1620	01	203	1208	1459	-	1459	1459	1459	1
DOWNIE SLIDE (UPPER)	2A29	1630	27	275	1230	1744	-	1744	886	1314	19
KICKING HORSE	2A07	1650	29	61	228	406	357	589	63	324	51
KIRBYVILLE LAKE	2A25	1750	27	244	1092	1422	1597	1793	770	1233	26
MOUNT REVELSTOKE	2A06P	1830	01	-	1072	1306	1502	1502	874	1324	5
NORTH CLEMINA CREEK	1E13	1860	28	183	756	879	1090	1115	579	891*	9

FIDELITY MOUNTAIN	2A17	1870	30	215	1063	1514	1650	1986	817	1347	35
BEAVERFOOT	2A11	1890	26	48	135	300	264	495	66A	225	37
KEYSTONE CREEK	2A18	1890	27	166	667	974	948	1372	565	879	32
GOLDSTREAM	2A16	1920	27	243	1102	1367	1488	1781	850	1204	35
BUSH RIVER	2A23	1920	27	147	602	945	-	1392	538	892	30
NIGEL CREEK	AL10	1920	29	81	273	445	601	752	207	430*	28
MOUNT ABBOT	2A14	1980	27	235	1091	1506	1585	1811	853	1383	38
MOLSON CREEK	2A21P	1980	01	-	856	1156	-	1230	746	1093	15
SUNBEAM LAKE	2A22	2010	27	167	630	1021	1187	1562	637	990	31
BOW SUMMIT II	AL07A	2080	29	71	254	450	503	597	201	387*	18
LOWER COLUMBIA											
FERGUSON	2D02	880	29	50	252	652	594	757	160	430	52
FARRON	2B02A	1220	28	50	218	355	208	406	23	235	25
MONASHEE PASS	2E01	1370	28	55	231	442	330	505	67	305	40
WHATSHAN (UPPER)	2B05	1480	28	105	495	898	677	983	255	587	37
BARNES CREEK	2B06	1620	28	97	437	714	574	742	211	499	37
BARNES CREEK	2B06P	1620	01	-	431	818	679	818	463	598*	5
ST. LEON CREEK	2B08	1800	28	245	1123	1485	1557	1974	914	1307	31
ST. LEON CREEK	2B08P	1800	01	-	945	1309	-	1309	861	1193	4
KOCH CREEK	2B07	1860	28	171	715	995	899	1201	391	808	37
RECORD MOUNTAIN	2B09	1890	28	193	840	1028	713	1194	157	823	23
EAST CREEK	2D08P	2030	01	-	708	983	1236	1330	568	907	16
EAST KOOTENAY											

FERNIE EAST	2C07	1250	30	8	34	374	101	541	0	230	46
SINCLAIR PASS	2C01	1370	28	No Snow		127	79	246	0	59	52
MARBLE CANYON	2C05	1520	29	51	195	407	422	612	102	296	51
BRUSH CREEK TIMBER	MT03	1520	28	No Snow		173	33	417	0	153*	47
SULLIVAN MINE	2C04	1550	01	22	91	408	345	518	0	262	52
WEASEL DIVIDE	MT02	1660	01	124	565	1201	1006	1422	348	846*	58
KIMBERLEY (MIDDLE)V O R	2C12	1680	29	30	114	362	267	483	0	238	29
MOUNT JOFFRE	2C16	1750	26	91	336	539	543	772	180	370	29
MORRISSEY RIDGE	2C09Q	1800	01	-	461	-	906	1345	317	784	13
RED MOUNTAIN	MT04	1830	27	66	277	678	526	841	0	446*	60
MOYIE MOUNTAIN	2C10P	1930	01	-	240	-	-	674	18	352*	18
MOYIE MOUNTAIN	2C10	1940	26	73	300	648	462	772	0	460	27
ALLISON PASS	AL01	1980	28	98	394	612	607	838	287	487*	11
WILKINSON SUMMIT (BUSH)	AL03	1980	28	45	163	173	198	279	23	181*	9
THUNDER CREEK	2C17	2010	26	70	221	390	364	556	163	297	29
FLOE LAKE	2C14	2090	26	150	579	1008	1074	1369	511	820	29
FLOE LAKE	2C14P	2090	01	-	548	934	934	934	481	726	3
KIMBERLEY (UPPER) V O R	2C11	2140	29	87	313	674	583	935	188	538	29
HIGHWOOD SUMMIT (BUSH)	AL02	2210	28	96	315	513	544	726	221	464*	33
MOUNT ASSINIBOINE	2C15	2230	26	122	461	684	770	930	366	586	29
SUNSHINE VILLAGE	AL05	2230	29	112	391	716	768	1092	338	646*	31

WEST KOOTENAY											
FERGUSON	2D02	880	29	50	252	652	594	757	160	430	52
NELSON	2D04	930	30	13	64	508	146	508	0	171	42
SANDON	2D03	1070	30	No Snow		237	64	399	0	103	49
CHAR CREEK	2D06	1310	30	81	340	758	437	838	79	484	31
BUNCHGRASS MEADOW	WA01	1520	Not Available			-	559	1219	165	665*	55
GRAY CREEK (LOWER)	2D05	1550	28	87	401	630	432	726	229	471	49
KOCH CREEK	2B07	1860	28	171	715	995	899	1201	391	808	37
MOUNT TEMPLEMAN	2D09	1860	26	190	825	-	1463	1679	785	1167	30
GRAY CREEK (UPPER)	2D10	1910	28	150	656	994	914	1300	518	856	29
EAST CREEK	2D08P	2030	01	-	708	983	1236	1330	568	907	16
KETTLE											
TRAPPING CREEK (LOWER)	2E05	930	03	No Snow		0	0	0	0	-	26
FARRON	2B02A	1220	28	50	218	355	208	406	23	235	25
CARMI	2E02	1250	03	No Snow		74	6	173	0	36	34
TRAPPING CREEK (UPPER)	2E04A	1350	03	No Snow		116	4	116	0	15*	14
MONASHEE PASS	2E01	1370	28	55	231	442	330	505	67	305	40
BIG WHITE MOUNTAIN	2E03	1680	30	103	444	648	510	762	237	474	32
GRANO CREEK	2E07P	1860	01	113	578	-	-	-	-	-	0
BLUEJOINT MOUNTAIN	2E06	2040	28	172	743	1002	787	1186	287	784	22
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	30	11	37	220	127	368	0	141	33

MC CULLOCH	2F03	1280	29	No Snow		7	0	188	0	51	52
ABERDEEN LAKE	1F01A	1310	01	No Snow		77	0	144	0	37	44
OYAMA LAKE	2F19	1340	28	15	53	109	83	185	0	66	28
POSTILL LAKE	2F07	1370	30	25	91	182Z	184	282	0	144	46
BOULEAU LAKE	2F21	1400	26	52	194	384	268	488	95	320	26
VASEUX CREEK	2F20	1400	28	14	52	90	6A	192	0	68	27
TROUT CREEK	2F01	1430	30	3	7	117	68	386	0	110	50
ESPERON CR (MIDDLE)	2F14	1430	01	38	160	336	286	551	0	252	28
BRENDA MINE	2F18	1460	28	51	230	344	272	526	0	234	29
BRENDA MINE	2F18P	1460	01	-	99	273	235	279	0	179	5
ISLAHT LAKE	2F24	1480	30	51	213	367	285	399	66	271	16
GREYBACK RESERVOIR	2F08	1550	28	45	156	247	208	386	0	190	26
ESPERON CR (UPPER)	2F13	1650	01	68	290	498	350	805	119	385	28
ISINTOK LAKE	2F11	1680	29	19	62	169	125	437	0	142	33
MACDONALD LAKE	2F23	1740	28	107	445	548	465	622	198	441	21
MISSION CREEK	2F05P	1780	01	89	405	-	451	726	140	468	26
GRAYSTOKE LAKE	2F04	1810	30	72	240	504	328	940	120	431	27
MOUNT KOBAU	2F12	1810	28	109	424	393	298	597	53	333	32
WHITEROCKS MOUNTAIN	2F09	1830	04	85	385	629	506	1013	175	529	27
SILVER STAR MOUNTAIN	2F10	1840	26	157	653	925	819	1135	371	733	39
SIMILKAMEEN											
BROOKMERE	1C01	980	03	9	34	238	106	419	0	117	51
FREEZEOUT CREEK TRAIL	WA11	1070	28	18	99	348	15	658	0	183*	46

LIGHTNING LAKE	3D02	1220	30	43	184	429	287	599	24	255	26
HAMILTON HILL	2G06	1490	29	36	140	399	232	838	0	302	38
MISSEZULA MOUNTAIN	2G05	1550	02	3	9	202	112	323	0	165	33
ISINTOK LAKE	2F11	1680	29	19	62	169	125	437	0	142	33
LOST HORSE MOUNTAIN	2G04	1920	30	58	196	326	284	554	64	248	37
BLACKWALL PEAK	2G03P	1940	01	-	623	1121	926	1566	375	886	30
HARTS PASS	WA09	1980	28	229	1044	1425	1219	1847	531	1158	54

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COASTAL

May 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	27	230	1100	1533	-	2852	0	1595	45
PALISADE LAKE	3A09P	880	Not Available			-	-	-	-	-	0
POWELL RIVER (LOWER)	3A05	910	Not Measured			-	-	585B	183	305*	3
CHAPMAN CREEK	3A26	1022	01	271	1430	1506	756	1710	756	1219	5
CALLAGHAN CREEK	3A20	1040	30	124	650	990	320	1565	256	933	20
POWELL RIVER (UPPER)	3A02	1040	Not Measured			-	-	1712	533	881*	5
EDWARDS LAKE	3A27	1070	01	183	960	1176	400	1180	400	841*	5
DOG MOUNTAIN	3A10	1080	30	192	970	1475	404	1475	122	1384	14
GROUSE MOUNTAIN	3A01	1100	30	235	1140	1614	638	2426	120	1303	48
ORCHID LAKE	3A19	1190	27	365	1907	1985	-	3721	900	2210	25
ORCHID LAKE	3A19P	1190	Not Measured			-	-	2889	1058	2000	13

UPPER SQUAMISH RIVER	3A25P	1340	01	340	1571	1766	1324	1886	1153	1647	8
DIAMOND HEAD	3A21	1420	29	298	1394	1802	1186	1982	935B	1532	21
NOSTETUKO RIVER	3A22P	1500	Not Measured			549	555	780	207	494*	8
UPPER MOSELY CREEK	3A24P	1650	01	-	143	226	286	494	158	240	9
TATLAYOKO LAKE	3A13	1710	02	37	117	215	273	544	69	234	34
VANCOUVER ISLAND											
ELK RIVER	3B04	270	29	No Snow		0	0	0	0	-	20
WOLF RIVER (LOWER)	3B19	640	29	29	158	196	0	798	0	224	28
TENNENT LAKE	3B22	950	Not Available			1238	384	1238	0	998	13
UPPER THELWOOD LAKE	3B10	980	29	321	1660	1822	734	2766	644	1672	37
MARGARET LAKE	3B21	1040	30	428	1976	1974	1330	2740	632	2013	22
WOLF RIVER (MIDDLE)	3B18	1070	29	166	788	634	122	1229	0	611	27
FORBIDDEN PLATEAU	3B01	1130	29	356	1805	1595	832	2728	448	1688	41
JUMP CREEK	3B23P	1160	01	190	1043	1545	360	1545	360	953*	2
MOUNT COKELY	3B02A	1190	01	175	904	948	450	1494	274	912	18
SPROAT LAKE	3B20	1220	30	349	1558	1955	1060	2415	613	1746	22
SNO-BIRD LAKE	3B16	1400	29	279	1417	1655	665	2367	294	1395	31
WOLF RIVER (UPPER)	3B17P	1490	01	-	1847	1420	1061	1888	701	1388	10

NORTH COASTAL											
WEDEENE RIVER SOUTH	3C07	300	30	No Snow		249	25	249	0	74*	13
TAHTSA LAKE	1B02	1300	06	213	1090	1424	1286	1770	701	1202	46
TAHTSA LAKE	1B02P	1300	01	-	1375	1658	-	1658	866	1295	5
BURNT BRIDGE CREEK	3C08P	1330	01	-	589	-	-	-	-	-	0
SKAGIT											
SUMALLO RIVER WEST	3D01C	790	29	No Snow		348	0	348	0	58*	6
FREEZEOUT CREEK TRAIL	WA11	1070	28	18	99	348	15	658	0	183*	46
BEAVER PASS	WA12	1120	30	119	569	1074	348	1590	135	763*	49
KLESILKWA	3D03A	1130	30	No Snow		349	0	752	0	176	25
LIGHTNING LAKE	3D02	1220	30	43	184	429	287	599	24	255	26
HARTS PASS	WA09	1980	28	229	1044	1425	1219	1847	531	1158	54

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NORTH

May 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											
PACIFIC LAKE	1A11	770	28	66	300	735	265	950	93	558	33
BULLHEAD MOUNTAIN	4A28	790	01	No Snow		0	0	0	0	-	13
MC LEOD LAKE	4A01	980	29	3	8	238	66	267	0	102	38
WARE (LOWER)	4A04	980	30	26	78	119	172	229	0	139	32
PHILIP LAKE	4A13	980	29	40	132	329	202	406	0	228	34
AIKEN LAKE	4A30P	1040	01	-	131	191	263	276	71	171*	11
TUTIZZI LAKE	4A06	1070	29	29	102	126	193	325	0	173	34
TSAYDAYCHI LAKE	4A12	1160	29	86	322	472	465	625	168	381	35
PINK MOUNTAIN	4A14	1170	02	4	10	86	151	151	0	48	34
KAZA lAKE	1A12	1190	29	84	294	375	412	470	201	337	32
PULPIT LAKE	4A09	1310	30	100	301	374	487	560	287	417	33
PULPIT LAKE	4A09P	1310	01	-	356	387	500	500	308	407	7
FREDRICKSON LAKE	4A10	1310	29	45	128	220	324	358A	138	237	34
PINE PASS	4A02P	1400	01	-	1030	1262	-	1537	1088	1221	6
TRYGVE LAKE	4A11	1400	29	100	311	339	467	495	272	381	34

SIKANNI LAKE	4C01	1400	30	64	191	240	343	360	115	261	34
PINE PASS	4A02	1430	28	271	1236	1365	1474	1732	681	1222	37
MORFEE MOUNTAIN	4A16	1450	28	164	741	935	939	1181	410	830	27
LADY LAURIER LAKE	4A07	1460	30	132	470	503	686	747	305	529	35
MOUNT SHEBA	4A18	1490	28	167	718	1251	889	1251	503	865	29
GERMANSEN (UPPER)	4A05	1500	29	96	307	410	388	597	181	350	36
MOUNT STEARNS	4A21	1500	30	52	106	140	271	271	0	161	24
JOHANSON LAKE	4B02	1540	29	79	270	289	418	418	143	299	35
MONKMAN CREEK	4A20	1550	28	116	449	725	-	1016	329	649	21
WARE (UPPER)	4A03	1570	30	105	290	245	402	402	141	260	34
BULLMOOSE CREEK	4A31	1570	06	71	297	592	608A	695	294	516*	10
KWADACHA RIVER	4A27	1620	30	124	358	-	-	506	290	400	13
KWADACHA RIVER	4A27P	1620	Not Measured			325	427	476	259	370	12
SKEENA/NASS											
BEAR PASS	4B11A	460	29	56	256	494Z	360	859	360	637	13
NINGUNSAW PASS	4B10	690	01	No Snow		276Z	243	547	0	254	22
GRANDUC MINE	4B12	790	04	262	1264	-	1321	2095	1213	1554	16
MCKENDRICK CREEK	4B07	1050	29	50	201	350	229	422	80	254	30
TACHEK CREEK	4B06	1140	29	43	148	318	234	318	69	174	28
KAZA LAKE	1A12	1190	29	84	294	375	412	470	201	337	32

LU LAKE	4B15	1300	01	62	196	444	356	444	180	279	18
LU LAKE	4B15P	1310	01	-	176	-	-	-	-	-	0
TSAI CREEK	4B17P	1360	01	-	1155	-	-	-	-	-	0
KIDPRICE LAKE	4B01	1370	06	136	746	1173	1094	1367	551	919	46
TRYGVE LAKE	4A11	1400	29	100	311	339	467	495	272	381	34
EQUITY MINE	4B14	1420	30	93	310	620	480	620	212	345	20
CHAPMAN LAKE	4B04	1460	29	115	446	689	657	749	308	485	32
HUDSON BAY MTN.	4B03A	1480	28	115	465	707	598	787	363	532	26
MOUNT CRONIN	4B08	1480	29	154	600	807	723	1125	422	670	29
SHEDIN CREEK	4B16P	1480	01	158	851	1065	1140	1140	1065	1103	2
JOHANSON LAKE	4B02	1540	29	79	270	289	418	418	143	299	35
LIARD											
WATSON LAKE A	YK01	700	28	No Snow		4	85	145	0	31*	27
FRANCES RIVER	YK02	730	28	No Snow		44	85	237	0	71*	21
DEASE LAKE	4C03	820	Not Measured			-	80	178	0	55	32
BLUFF CREEK	4C11P	1040	Not Measured			-	222	222	0	89	4
SUMMIT LAKE	4C02	1280	28	No Snow		0	0	200A	0	48*	32
DEADWOOD RIVER	4C09P	1300	01	-	67	85	207	207	27	123*	4
CASSIAR	4C04	1390	Not Measured			-	-	484	79	308	31
SIKANNI LAKE	4C01	1400	30	64	191	240	343	360	115	261	34
STIKINE/ TAKU											
SPEEL RIVER	AK03	80	27	53	183	615	323	1240	51	676*	32
FORREST-KERR CREEK	4D08P	560	01	-	219	445	439	469	323	414*	6

TELEGRAPH CREEK	4D01	580	Not Measured			0	14	163	0	28*	23
NINGUNSAW PASS	4B10	690	01	No Snow		276Z	243	547	0	254	22
DEASE LAKE	4C03	820	Not Measured			-	80	178	0	55	32
KINASKAN LAKE	4D11P	1020	01	-	226	280	314	487	216	376	7
TUMEKA CREEK	4D10P	1220	01	-	482	482	655	838	463	578	8
WADE LAKE	4D14P	1370	01	-	314	-	463	546	187	405	6
UPPER STIKINE	4D13P	1450	01	-	445	439	552	707	421	517	8
YUKON											
LOG CABIN	4E01	880	24	86	324B	285Z	303	531	173	318	40
PINE LK AIRSTRIP	YK03	1010	27	63	212	175	183	327	89	185*	22
MONTANA MTN.	YK05	1020	24	32	80B	-	-	191	0	105*	17
TAGISH	YK04	1080	25	34	92	105	150	205	0	105*	22

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

Banner

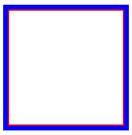
May 15, 1998

Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

Snowpack depletions during the first half of May were considerably greater than normal and, as a result, the remaining snowpack is considerably below normal for this time of year. The regional water equivalent index is estimated to be 77% below normal.

While another peak is possible, it seems unlikely that levels will exceed those already reached this year unless there is substantial rainfall.

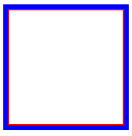


Data Graphs

MIDDLE AND LOWER FRASER

Very little snow remains in the middle Fraser, particularly on the west side. In the lower Fraser there is more snow but, due to the warm weather at the beginning of the month, the remaining snowpack is generally well below normal.

The Fraser at Hope peaked on May 19 at a little over 6,000 m^3/s and will probably drop for the next several days. A higher peak than this is possible, but anything approaching damaging levels this year is most unlikely.



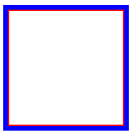
Data Graphs

NORTH AND SOUTH THOMPSON

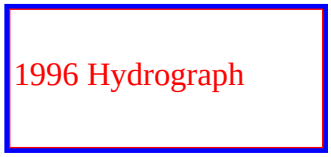
The Thompson basin snowpack which was only a little below normal at the beginning of the month is now well below normal as the result of the warm weather in the end of April and beginning of May. The regional indices for the North and South Thompson basins are now 23 and 33% below normal, respectively.

Higher river and lake levels than those which have occurred to date are quite possible, but there is very little liklihood

that any of the main rivers will approach damaging stage this spring.



Data Graphs



Hydrograph

Bulletin Home Page

Groundwater Conditions

Snow Pillow Information

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May 15, 1998

Columbia Basin Snow

Columbia Basin Snow Survey Measurements

UPPER AND LOWER COLUMBIA

In response to the warm weather, snowpack depletions in the first half of May were considerably greater than normal. For example, Record Mountain (2B09) which normally melts about 90 mm of water during this period lost over 470 mm this year. As a result the regional snowpack is estimated to be about 36% below normal for this date.

Higher peaks than those which have been recorded to date this year are possible, but there is virtually no danger of main rivers in the region reaching damaging levels this spring.

Data Graphs

Data Graph

EAST AND WEST KOOTENAY

Based on very little data, the great majority of the snowpack in the Kootenay basin appears to have melted with the remaining snow all at high elevation.

Unless there were really substantial rains, there is little liklihood that levels that have been recorded so far this year will be exceeded.

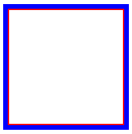
Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

As has been the case in all of the southern parts of the province, snowpack depletions in the first half of May have been much greater than normal. The regional snowpacks, based on limited data, suggest that there is only 11% of normal snowpack in the Similkameen and 47% of normal in the Okanagan-Kettle.

Although there could be further peaks, it is likely that the Similkameen or Kettle Rivers have peaked for the year.

Okanagan Lake is continuing to rise slowly and is presently about 16 cm below its normal upper elevation. Unless there are substantial rains, there is little danger of any flooding around the lake this year.



Data Graphs

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Groundwater Conditions

Snow Pillow Information

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May 15, 1998

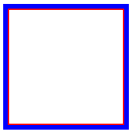
Snow Survey Measurement

Coastal and Vancouver Island Snow Survey Measurements

SOUTH COASTAL AND VANCOUVER ISLAND

Based on very limited data, the snowpack on Vancouver Island continues to be a little above normal for this time of year in spite of greater than normal depletions during the last three weeks.

The coastal snowpack is somewhat variable, but is generally well below normal for this time of year. The regional water equivalent index for the area is estimated to be 30% below normal.



Data Graphs

Bulletin Home Page

Groundwater Conditions

Snow Pillow Information

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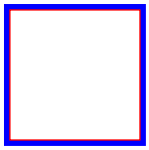
May 15, 1998

Snow Survey Measurement

Northern Basins Snow Survey Measurements

NORTHEASTERN

There are insufficent data to estimate the remaining snowpack as a percent of normal. Based on a few pillow readings, it appears that depletions during the last two weeks have been greater than normal.

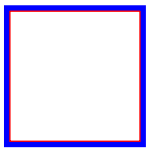


Data Graphs

NORTHWESTERN

Very little data are collected at this sampling period in this region. Based on very limited data, it appears that snowpack depletions in the first half of May were near normal in the Stikine-Taku drainage basin.

The Skeena River is continuing to rise but is well below any damaging levels.



Data Graphs

Bulletin Home Page

Groundwater Conditions

Snow Pillow Information

FRASER

May 15, 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											
PACIFIC LAKE	1A11	770	11	No Snow	728	0	728	0	358	23	
MCBRIDE (MIDDLE)	1A20	1160	13	No Snow	218	166	334	0	166	24	
BIRD CREEK	1A23	1180	19	No Snow	-	-	-	-	-	0	
BARKERVILLE	1A03	1520	15	No Snow	-	249	564	0	298	46	
BARKERVILLE	1A03P	1520	15	No Snow	326	-	503	0	282	20	
MC BRIDE (UPPER)	1A02	1580	13	21	74	408	376	752	24	413	30
KNUDSEN LAKE	1A15	1580	11	106	510	941	826	1205	359	873	23
NARROW LAKE	1A21	1650	12	118	607	1238	-	1375	489	993	23
REVOLUTION CREEK	1A17P	1690	15	-	228	766	875	1161	574	757	12
LONGWORTH (UPPER)	1A05	1740	11	89	440	1204	778	1219	292	802	44
DOME MOUNTAIN	1A19	1820	11	104	488	931	765	1168	385	859	25
YELLOWHEAD	1A01P	1860	15	25	139	326	-	326	326	326*	1
HOLMES RIVER	1A18	1900	11	93	411	903	865	1125	359	813	28
NECHAKO											
SKINS LAKE	1B05	880	19	No Snow	-	-	0	0	-	1	
TAHTSA LAKE	1B02	1300	19	181	939	-	-	1687	1687	1687	1
TAHTSA LAKE	1B02P	1300	15	-	1116	1509	-	1509	732	1143	5
KIDPRICE LAKE	4B01	1370	19	102	534	-	-	1278	1278	1278	1

MOUNT PONDOSY	1B08P	1400	15	-	524	850	-	850	314	587*	5
MOUNT WELLS	1B01	1490	19	34	164	-	-	869	396	633*	2
MOUNT WELLS	1B01P	1490	15	-	277	680	698	698	338	485	6
NUTLI LAKE	1B07	1490	19	42	197	-	-	-	-	-	0
MOUNT SWANNELL	1B06	1620	19	No Snow		331	-	331	331	331*	1
MIDDLE FRASER											
BOSS MOUNTAIN MINE	1C20P	1460	15	-	184	521	709	709	265	502	4
BRENDA MINE	2F18P	1460	15	No Snow		0	125	125	0	11	5
BARKERVILLE	1A03	1520	15	No Snow		-	249	564	0	298	46
BARKERVILLE	1A03P	1520	15	No Snow		326	-	503	0	282	20
MOUNT TIMOTHY	1C17	1660	15	3	12A	244	312	437	0	225	29
YANKS PEAK EAST	1C41P	1670	15	66	398	878	-	878	878	878*	1
PENFOLD CREEK	1C23	1680	12	160	833	1225	1157	1349	585	1008	28
GREEN MOUNTAIN	1C12P	1780	15	-	573	978	1036	1036	577	865*	4
MISSION RIDGE	1C18P	1850	15	-	6	372	503	701	0	468	11
PAVILION MOUNTAIN	1C36	1960	13	No Snow		234	308	308	214	252*	3
LOWER FRASER											
DISAPPOINTMENT LAKE	1D18P	1040	Not Measured			-	-	1652	1652	1652	1
CALLAGHAN CREEK	3A20	1040	17	57	298	564	290	1311	55A	664	15
DOG MOUNTAIN	3A10	1080	13	129	703	1290	407	1507	0	1311	13
WAHLEACH LAKE	1D09P	1400	15	-	683	1478	847	1478	335	738*	6
CHILLIWACK RIVER	1D17P	1600	15	161	934	-	1208	1208	764	1443	4
GREAT BEAR	1D15P	1660	15	-	1609	2436	1798	2436	1181	1524	6
TENQUILLE LAKE	1D06	1680	20	166	960	1372	1268	1707	625	1182	41
NORTH THOMPSON											

COOK FORKS	1E06	1390	16	56	274	878	904	1359	295	749	35
BOSS MOUNTAIN MINE	1C20P	1460	15	-	184	521	709	709	265	502	4
MOUNT COOK	1E02A	1580	16	193	953	1485	1670	1670	873	1292	23
AZURE RIVER	1E08P	1620	15	-	1009	1496	-	1496	1496	1496	1
ADAMS RIVER	1E07	1720	11	111	523	861	844	1107	280	745	26
KOSTAL LAKE	1E10P	1770	15	-	752	981	1120	1120	588	914	13
TROPHY MOUNTAIN	1E03A	1860	17	107	446	636	820E	825	301	609*	16
NORTH CLEMINA CREEK	1E13	1860	12	128	606	990	1144	1177	536	886*	8
SOUTH THOMPSON											
ADAMS RIVER	1E07	1720	11	111	523	861	844	1107	280	745	26
SILVER STAR MOUNTAIN	2F10	1840	14	80	386	848	861	1054	100	642	39
PARK MOUNTAIN	1F03P	1890	15	-	584	1321	1172	1321	474	916	13
ENDERBY	1F04	1900	15	168	740	1437	1233	1499	662	1099	35

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COLUMBIA

May 15, 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 COLUMBIA											
AZURE RIVER	1E08P	1620	15	-	1009	1496	-	1496	1496	1496	1
KICKING HORSE	2A07	1650	Not Measured			362	-	521	0	230	44
MOUNT REVELSTOKE	2A06P	1830	15	-	827	1458	1624	1624	700	1221	5
NORTH CLEMINA CREEK	1E13	1860	12	128	606	990	1144	1177	536	886*	8
MOLSON CREEK	2A21P	1980	15	-	710	1175	-	1294	602	1036	15
LOWER COLUMBIA											
FARRON	2B02A	1220	11	No Snow		164	156	222	0	111	18
BARNES CREEK	2B06P	1620	15	-	94	679	758	758	157	430*	5
ST. LEON CREEK	2B08P	1800	15	-	675	1219	-	1219	639	987	4
RECORD MOUNTAIN	2B09	1890	12	76	368	1151	788	1151	83	732	23
EAST CREEK	2D08P	2030	15	-	536	825	1286	1387	461	877	16
EAST KOOTENAY											

FERNIE EAST	2C07	1250	15	No Snow		90	37	290	0	61	36
SULLIVAN MINE	2C04	1550	15	No Snow		272	363	457	0	123	46
MORRISSEY RIDGE	2C09Q	1800	15	-	30	749	971	971	0	580	14
MOYIE MOUNTAIN	2C10P	1930	15	-	15	-	-	552	0	253*	17
MOYIE MOUNTAIN	2C10	1940	10	8	35A	644	498	644	0	339	28
FLOE LAKE	2C14P	2090	15	-	304	893	1028	1028	357	597	3
WEST KOOTENAY											
CHAR CREEK	2D06	1310	13	6	26	607	414	676	0	248	28
GRAY CREEK (LOWER)	2D05	1550	Not Available			-	440	709	0	385	46
GRAY CREEK (UPPER)	2D10	1910	Not Available			-	1014	1194	311	770	27
EAST CREEK	2D08P	2030	15	-	536	825	1286	1387	461	877	16
KETTLE											
FARRON	2B02A	1220	11	No Snow		164	156	222	0	111	18
BIG WHITE MOUNTAIN	2E03	1680	18	30	130	432	530	732	0	400	32
GRANO CREEK	2E07P	1860	15	-	308	-	-	-	-	-	0
OKANAGAN											
SUMMERLAND RESERVOIR	2F02	1280	12	No Snow		27	0	218	0	42	32
VASEUX CREEK	2F20	1400	14	No Snow		0	0	80	0	10*	26
TROUT CREEK	2F01	1430	14	No Snow		0	21	307	0	39	45
BRENDA MINE	2F18P	1460	15	No Snow		0	125	125	0	11	5
GREYBACK RESERVOIR	2F08	1550	14	No Snow		52	140	323	0	122	26
ISINTOK LAKE	2F11	1680	12	No Snow		50E	118	386	0	83	32
MISSION CREEK	2F05P	1780	15	44	176	-	471	706	0	399	26

MOUNT KOBAU	2F12	1810	14	52	250	323	321	513	0	260	31
WHITEROCKS MOUNTAIN	2F09	1830	15	47	189	474	492	968	0	402	27
SILVER STAR MOUNTAIN	2F10	1840	14	80	386	848	861	1054	100	642	39
SIMILKAMEEN											
MISSEZULA MOUNTAIN	2G05	1550	14	No Snow		8E	47	218	0	66	34
ISINTOK LAKE	2F11	1680	12	No Snow		50E	118	386	0	83	32
LOST HORSE MOUNTAIN	2G04	1920	13	4	18	220	304B	577	4	211	34
BLACKWALL PEAK	2G03P	1940	15	-	356	960	934	1481	208	804	30

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* - PERIOD OF RECORD AVERAGE

COASTAL

May 15, 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	3A09P	880	Not Available		-	-	-	-	-	-	0
CALLAGHAN CREEK	3A20	1040	17	57	298	564	290	1311	55A	664	15
DOG MOUNTAIN	3A10	1080	13	129	703	1290	407	1507	0	1311	13
ORCHID LAKE	3A19	1190	Not Available		2099	1315	2310	774	1891	19	
ORCHID LAKE	3A19P	1190	Not Measured		-	-	2804	828	1909	12	
UPPER SQUAMISH RIVER	3A25P	1340	15	271	1361	1628	1354	1781	949	1515	8
NOSTETUKO RIVER	3A22P	1500	Not Measured		387	469	494	21	282*	8	
UPPER MOSELY CREEK	3A24P	1650	15	No Snow	37	347	347	0	114	9	
VANCOUVER ISLAND											
JUMP CREEK	3B23P	1160	15	126	623	1358	251	1358	251	805*	2
WOLF RIVER (UPPER)	3B17P	1490	15	-	1567	1390	1048	1726	507	1318	10

NORTH COASTAL											
TAHTSA LAKE	1B02	1300	19	181	939	-	-	1687	1687	1687	1
TAHTSA LAKE	1B02P	1300	15	-	1116	1509	-	1509	732	1143	5
BURNT BRIDGE CREEK	3C08P	1330	15	-	210	-	-	-	-	-	0
SKAGIT											

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

NORTH

May 15, 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
PEACE											
PACIFIC LAKE	1A11	770	11	No Snow	728	0	728	0	358	23	
AIKEN LAKE	4A30P	1040	15	No Snow	8	188	188	0	46*	11	
PULPIT LAKE	4A09P	1310	15	-	143	229	454	454	49	201*	7
PINE PASS	4A02P	1400	15	-	878	1100	-	1471	813	1134	6
KWADACHA RIVER	4A27P	1620	Not Measured		251	445	468	109	329	13	
SKEENA/ NASS											
LU LAKE	4B15P	1310	15	-	11	-	-	-	-	-	0
TSAI CREEK	4B17P	1360	15	-	953	-	-	-	-	-	0
KIDPRICE LAKE	4B01	1370	19	102	534	-	-	1278	1278	1278	1
HUDSON BAY MTN.	4B03A	1480	20	38	160	467	597	752	186	463	25
SHEDIN CREEK	4B16P	1480	15	110	660	956	1159	1159	956	1058	2
LIARD											
BLUFF CREEK	4C11P	1040	Not Measured		-	101	101	0	4	4	
DEADWOOD RIVER	4C09P	1300	15	No Snow	0	207	207	0	64*	4	

STIKINE/ TAKU											
FORREST-KERR CREEK	4D08P	560	15	No Snow		250	247	250	26	165*	6
KINASKAN LAKE	4D11P	1020	15	-	9	79	226	411	0	168*	7
TUMEKA CREEK	4D10P	1220	15	-	299	317	561	771	195	409	8
WADE LAKE	4D14P	1370	15	-	198	-	405	427	0	290	6
UPPER STIKINE	4D13P	1450	15	-	317	344	564	686	183	420*	8
YUKON											
LOG CABIN	4E01	880	Not Available			-	123	420	4	239*	11

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

Banner

June 1, 1998

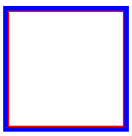
Fraser Basin Snow

Fraser Basin Snow Survey Measurements

UPPER FRASER AND NECHAKO

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

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

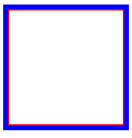


Data Graphs

MIDDLE AND LOWER FRASER

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

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

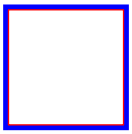


Data Graphs

NORTH AND SOUTH THOMPSON

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

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



Data Graphs

Fraser Hydrograph

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Groundwater Conditions

Snow Pillow Information

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Banner

June 1, 1998

Columbia Basin Snow

Columbia Basin Snow Survey Measurements

UPPER AND LOWER COLUMBIA

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

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

Data Graphs

Data Graph

EAST AND WEST KOOTENAY

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

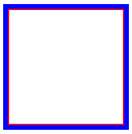
Data Graphs

OKANAGAN, SIMILKAMEEN AND KETTLE

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

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

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

 Data Graphs

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June 1, 1998

Snow Survey Measureme Coastal Basin Snow Survey Measurements

SOUTH COASTAL AND VANCOUVER ISLAND

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

Data Graphs

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Snow Pillow Information

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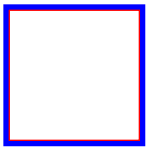
June 1, 1998

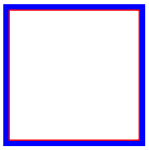
Northern Basins Snow Survey Measurements

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

Any danger of flooding from snowmelt appears to have passed.



Northeastern Data Graphs



Northwestern Data Graphs

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Groundwater Conditions

Snow Pillow Information

Northern

Information Disclaimer and Copyright Notice

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FRASER

June 1, 1998

Snow Survey Measurements

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

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

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

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COLUMBIA

June 1, 1998

Snow Survey Measurements

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

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

FREEZEOUT CREEK TRAIL	WA11	1070	01	No Snow		15	0	15	0	3*	5
BLACKWALL PEAK	2G03P	1940	01	-	180	713	840	1253	0	607	30
HARTS PASS	WA09	1980	02	104	582	1323	1118	1323	406	961*	6

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COASTAL

June 1, 1998

Snow Survey Measurements

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

JUMP CREEK	3B23P	1160	01	-	131	701	0	701	0	351*	2
WOLF RIVER (UPPER)	3B17P	1490	01	-	1329	1030	878	1260	305	1119	10
NORTH COASTAL											
TAHTSA LAKE	1B02	1300	04	101	551	1133	1164	1651	535	971	23
TAHTSA LAKE	1B02P	1300	01	-	652	1140	-	1140	277	791*	5
BURNT BRIDGE CREEK	3C08P	1330	01	No Snow		-	-	-	-	-	0
SKAGIT											
FREEZEOUT CREEK TRAIL	WA11	1070	01	No Snow		15	0	15	0	3*	5
BEAVER PASS	WA12	1120	01	33	180	714	132	714	0	280*	4
HARTS PASS	WA09	1980	02	104	582	1323	1118	1323	406	961*	6

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B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

NORTH

June 1, 1998

Snow Survey Measurements

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

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

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

FRASER

June 15, 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											
BARKERVILLE	1A03P	1520	15	No Snow	0	-	37	0	23	5	
REVOLUTION CREEK	1A17P	1690	15	No Snow	178	366	513	0	221	12	
YELLOWHEAD	1A01P	1860	15	No Snow	0	-	0	0	-	1	
NECHAKO											
TAHTSA LAKE	1B02P	1300	15	-	104	796	-	796	0	479*	5
MOUNT PONDOSY	1B08P	1400	15	No Snow	0	-	0	0	-	5	
MOUNT WELLS	1B01P	1490	15	No Snow	30	198	198	0	38*	6	
MIDDLE FRASER											
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	26	26	0	7*	4	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	5	
BARKERVILLE	1A03P	1520	15	No Snow	0	-	37	0	23	5	
YANKS PEAK EAST	1C41P	1670	15	No Snow	146	-	146	146	146*	1	
GREEN MOUNTAIN	1C12P	1780	15	No Snow	421	552	552	101	297*	4	
MISSION RIDGE	1C18P	1850	15	No Snow	0	0	8	0	1*	11	
LOWER FRASER											
DISAPPOINTMENT LAKE	1D18P	1040	Not Measured		-	-	595	595	595*	1	

CALLAGHAN CREEK	3A20	1040	15	No Snow		0	0	0	0	-	7
DOG MOUNTAIN	3A10	1080	15	17	89	537	0	730	0	657	12
WAHLEACH LAKE	1D09P	1400	15	-	12	521	296	521	0	163*	5
CHILLIWACK RIVER	1D17P	1600	15	50	275	-	585	585	0	301	3
GREAT BEAR	1D15P	1660	15	-	749	1623	1521	1623	655	786	6
TENQUILLE LAKE	1D06	1680	17	42	262	880	868	1529	10	705	14
NORTH THOMPSON											
COOK FORKS	1E06	1390	15	No Snow		175	235E	518	0	151	19
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow		0	26	26	0	7*	4
MOUNT COOK	1E02A	1580	15	31	170	869	1172	1311	58	820	18
AZURE RIVER	1E08P	1620	15	-	94	750	-	750	750	750*	1
ADAMS RIVER	1E07	1720	15	No Snow		233	559	1046	0	338	18
KOSTAL LAKE	1E10P	1770	15	No Snow		500	817	817	0	430	13
SOUTH THOMPSON											
ADAMS RIVER	1E07	1720	15	No Snow		233	559	1046	0	338	18
SILVER STAR MOUNTAIN	2F10	1840	15	No Snow		297	564	747	0	150	29
PARK MOUNTAIN	1F03P	1890	15	No Snow		703	925	958	0	552	12
ENDERBY	1F04	1900	13	66	324	822	1053	1326	62	754	20

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COLUMBIA

June 15, 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 COLUMBIA											
AZURE RIVER	1E08P	1620	15	-	94	750	-	750	750	750*	1
MOUNT REVELSTOKE	2A06P	1830	15	-	140	747	1283	1283	0	690	5
MOLSON CREEK	2A21P	1980	15	No Snow		598	-	894	0	536	13
LOWER COLUMBIA											
BARNES CREEK	2B06P	1620	15	No Snow		0	169	169	0	34*	5
ST. LEON CREEK	2B08P	1800	15	-	64	499	-	499	0	247	4
RECORD MOUNTAIN	2B09	1890	13	No Snow		161	289	331	0	105*	13
EAST CREEK	2D08P	2030	15	No Snow		491	986	1090	0	395	14
EAST KOOTENAY											
MORRISSEY RIDGE	2C09Q	1800	15	-	11	-	12	74	0	36	13
MOYIE MOUNTAIN	2C10P	1930	15	No Snow		-	-	25	0	3*	8
FLOE LAKE	2C14P	2090	15	No Snow		409	720	720	0	8	3

WEST KOOTENAY										
GRAY CREEK (LOWER)	2D05	1550	Not Measured		-	0	282	0	50*	15
GRAY CREEK (UPPER)	2D10	1910	Not Measured		-	570	825	0	206*	12
EAST CREEK	2D08P	2030	15	No Snow	491	986	1090	0	395	14
KETTLE										
BIG WHITE MOUNTAIN	2E03	1680	16	No Snow	0	78	356	0	58*	17
GRANO CREEK	2E07P	1860	15	No Snow	-	-	-	-	-	0
OKANAGAN										
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	5
MISSION CREEK	2F05P	1780	15	No Snow	-	131	377	0	74	26
WHITEROCKS MOUNTAIN	2F09	1830	15	No Snow	-	0	533	0	56*	16
SILVER STAR MOUNTAIN	2F10	1840	15	No Snow	297	564	747	0	150	29
SIMILKAMEEN										
BLACKWALL PEAK	2G03P	1940	15	No Snow	330	488	1031	0	329	30

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

COASTAL

June 15, 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	3A09P	880	Not Measured			-	-	-	-	-	0
CALLAGHAN CREEK	3A20	1040	15	No Snow		0	0	0	0	-	7
DOG MOUNTAIN	3A10	1080	15	17	89	537	0	730	0	657	12
ORCHID LAKE	3A19	1190	16	105	614	1246	579	1910	0	1247	18
ORCHID LAKE	3A19P	1190	Not Measured			-	-	2074	0	1171	12
UPPER SQUAMISH RIVER	3A25P	1340	15	95	514	990	694	1140	236	834	8
NOSTETUKO RIVER	3A22P	1500	15	No Snow		0	0	0	0	-	8
UPPER MOSELY CREEK	3A24P	1650	15	No Snow		0	0	0	0	-	9
VANCOUVER ISLAND											
JUMP CREEK	3B23P	1160	15	No Snow		26	0	26	0	13*	2
WOLF RIVER (UPPER)	3B17P	1490	15	-	853	680	512	984	0	785	10

NORTH COASTAL											
TAHTSA LAKE	1B02P	1300	15	-	104	796	-	796	0	479*	5
BURNT BRIDGE CREEK	3C08P	1330	15	No Snow		-	-	-	-	-	0
SKAGIT											

A - SAMPLING PROBLEMS WERE ENCOUNTERED

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E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE

NORTH

June 15, 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
PEACE											
AIKEN LAKE	4A30P	1040	15	No Snow	0	0	0	0		-	11
PULPIT LAKE	4A09P	1310	15	No Snow	0	0	0	0		-	7
PINE PASS	4A02P	1400	15	No Snow	582	-	620	3		487	6
KWADACHA RIVER	4A27P	1620	Not Measured		0	239	239	0		38	10
SKEENA/ NASS											
LU LAKE	4B15P	1310	15	No Snow	-	-	-	-		-	0
TSAI CREEK	4B17P	1360	15	No Snow	-	-	-	-		-	0
HUDSON BAY MTN.	4B03A	1480	15	No Snow	68Z	237	673	0		128	19
SHEDIN CREEK	4B16P	1480	15	No Snow	169	626	626	169		398*	2
LIARD											
BLUFF CREEK	4C11P	1040	Not Measured		-	0	0	0		-	4
DEADWOOD RIVER	4C09P	1300	15	No Snow	0	0	0	0		-	4
STIKINE/ TAKU											

FORREST-KERR CREEK	4D08P	560	15	No Snow	0	0	0	0	-	7
KINASKAN LAKE	4D11P	1020	15	No Snow	0	0	0	0	-	7
TUMEKA CREEK	4D10P	1220	15	No Snow	0	0	67	0	8*	8
WADE LAKE	4D14P	1370	15	No Snow	-	0	0	0	14	6
UPPER STIKINE	4D13P	1450	15	No Snow	0	58	58	0	9*	8

YUKON

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

* - PERIOD OF RECORD AVERAGE