

Banner

Snowpack and Water Supply Outlook for British Columbia

June 15, 2001

Every effort is made to ensure that data reported on these pages are accurate. However, in order to update the graphs and indices as quickly as possible, some data may have been estimated. Please note that data provided on these pages are preliminary and subject to revision on review.

This is the final snow survey of the year. All data will be reviewed over the summer and the approved data will be posted early in the fall. In the mean time, please note that the [Corrections and previously unpublished data](#) page contains all known errors and omissions to date.

Because the number of snowcourses read at this date is very small, and there are no mid-month meteorologic or hydrometric statistics to report, no commentaries are given for individual basins.

Province-wide Synopsis

graphs

[B.C Summary Graphs of Snow Water Equivalents](#)

The June 15th snow survey is very small as many lower level snow courses are normally snow free by this date and those that have snow are depleting rather than accumulating. However, snow surveys have been conducted at 6 snow courses in B.C. These, together with data from 52 snow pillows, have been used in making the following analyses.

[Province-Wide Synopsis](#)

Basin Data and Graphs

[-Upper Fraser](#)

[-Mid and Lower Fraser](#)

[-Thompson](#)

[-Columbia](#)

[-Kootenay](#)

[-Okanagan, Kettle, and Similkameen](#)

[-Coastal](#)

[-NorthEast](#)

[-NorthWest](#)

Groundwater & Snow Pillow graphs are archived at the 2001 Bulletins index page

Weather

For the third year in a row, the weather during the critical melt period has been generally cool and unsettled. There have been no sustained periods of warm weather with the result that the runoff has been very controlled and no major incidents have occurred to date.

Snowpack

The unsettled weather patterns of the past six weeks have resulted in a later and slower depletion of the snowpack than normal. Despite this, the snow has virtually gone from much of the southern interior, any remaining snow being less than normal for this date. In contrast, the northwest of the province continues to have above average snowpacks and snowlines lower than normal for this time of year. The Skeena, Nass, Bulkley and Nechako basins have snowpacks considerably greater than normal for June 1.

Outlook

Although precipitation in May and the first half of June has been above normal in many parts of the province, if normal weather conditions occur during the summer, streamflow and lake levels in the southern half of the province will remain well below normal during the coming months. The low total precipitation over the past six months or so has resulted in drier soil conditions, lower lake levels and lower streamflows than normal in many areas.

All water users are advised to practise water conservation measures whenever possible. A recent Information Bulletin on simple ways to conserve water may be of interest. The Ministry's Water Conservation Strategy is also available for downloading

The above normal snowpack in the northwest of the province could result in flooding along the Skeena, Nass and Bulkley rivers if sustained warm weather and/or substantial rains were to occur in the next two or three weeks. The River Forecast Centre will continue to monitor this area and any advisory notices will be issued through our Runoff Conditions page.



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UPPER and MIDDLE FRASER*June 15, 2001***UPPER FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	15	No Snow	0	15	37	0	23	8	
HEDRICK LAKE	1A14P	1100	15	No Snow	0	-	0	0	-	1	
REVOLUTION CREEK	1A17P	1690	15	-	72	487	534	534	0	221	15
YELLOWHEAD	1A01P	1860	15	-	45	266	641	641	0	227*	4
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											

NECHAKO**Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
MOUNT PONDOSY	1B08P	1400	15	-	158	0	320	320	0	40*	8
MOUNT WELLS	1B01P	1490	15	-	88	0	61	198	0	32*	9
TAHTSA LAKE	1B02P	1300	15	-	936	668	1274	1274	0	555*	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

MIDDLE FRASER

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	15	No Snow	0	15	37	0	23	8	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	131	131	0	22*	7	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	8	
GREEN MOUNTAIN	1C12P	1780	15	-	152	360	933	933	0	355*	7
MISSION RIDGE	1C18P	1850	15	No Snow	0	253	253	0	19*	14	
YANKS PEAK EAST	1C41P	1670	15	-	248	371	754	754	0	318*	4

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

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MIDDLE and LOWER FRASER*June 15, 2001***MIDDLE FRASER****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	15	No Snow	0	15	37	0	23	8	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	131	131	0	22*	7	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	8	
GREEN MOUNTAIN	1C12P	1780	15	-	152	360	933	933	0	355*	7
MISSION RIDGE	1C18P	1850	15	No Snow	0	253	253	0	19*	14	
YANKS PEAK EAST	1C41P	1670	15	-	248	371	754	754	0	318*	4
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											

LOWER FRASER**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
CHILLIWACK RIVER	1D17P	1600	15	-	750	1223	1759	1759	0	301	6
DISAPPOINTMENT LAKE	1D18P	1040	Not Available		-	-	595	595	595*		1
DOG MOUNTAIN	3A10	1080	13	50	252	907	2088Z	2088Z	0	657	15
GREAT BEAR	1D15P	1660	15	-	776	1523	-	1623	655	786	8
SPUZZUM CREEK	1D19P	1180	15	-	521	1200	-	1200	1200	1200*	1
TENQUILLE LAKE	1D06	1680	15	106	552	800	1675	1675	10	705	17
TENQUILLE LAKE	1D06P	1680	15	-	360	-	-	-	-	-	0
WAHLEACH LAKE	1D09P	1400	15	-	582	948	1185	1185	0	370*	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											

SKAGIT

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
HARTS PASS	WA09P	1980	15	No Snow	318	1267	1267	13	254		4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
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THOMPSON

June 15, 2001

NORTH THOMPSON

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	15	-	345	878	1489	1489	94	803*	4
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	131	131	0	0	22*	7
COOK CREEK	1E14P	1280	15	No Snow	0	-	0	0	0	-	1
KOSTAL LAKE	1E10P	1770	15	-	463	794	1285	1285	0	430	16
MOUNT COOK	1E02P	1550	15	-	550	-	-	-	-	-	0
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											

SOUTH THOMPSON

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
ENDERBY	1F04	1900	15	123	560	1092	1197	1326	62	754	23
PARK MOUNTAIN	1F03P	1890	15	-	347	819	1095	1095	0	552	15
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											

MIDDLE FRASER**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BARKERVILLE	1A03P	1520	15	No Snow	0	15	37	0	23	8	
BOSS MOUNTAIN MINE	1C20P	1460	15	No Snow	0	131	131	0	22*	7	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	-	8	
GREEN MOUNTAIN	1C12P	1780	15	-	152	360	933	933	0	355*	7
MISSION RIDGE	1C18P	1850	15	No Snow	0	253	253	0	19*	14	
YANKS PEAK EAST	1C41P	1670	15	-	248	371	754	754	0	318*	4
A - SAMPLING PROBLEMS WERE ENCOUNTERED											
B - EARLY OR LATE SAMPLING											
C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED											

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COLUMBIA

June 15, 2001

UPPER COLUMBIA

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
AZURE RIVER	1E08P	1620	15	-	345	878	1489	1489	94	803*	4
MOLSON CREEK	2A21P	1980	15	-	371	926	1163	1163	0	536	16
MOUNT REVELSTOKE	2A06P	1830	15	-	539	1301	1801	1801	0	690	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

LOWER COLUMBIA

Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2001	2000	1999	Max.	Min.	Normal	No. Years Record
BARNES CREEK	2B06P	1620	15	No Snow		26	98	169	0	37*	8
EAST CREEK	2D08P	2030	15	-	214	819	1163	1163	0	395	17
RECORD MOUNTAIN	2B09	1890	15	No Snow		280	949	949	0	163*	16
ST. LEON CREEK	2B08P	1800	15	-	251	795	1351	1351	0	247	7

A - SAMPLING PROBLEMS WERE ENCOUNTERED

B - EARLY OR LATE SAMPLING

C - EARLY OR LATE SAMPLING WITH PROBLEMS ENCOUNTERED

E - ESTIMATED BASED ON AREAL AVERAGE

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KOOTENAY

June 15, 2001

EAST KOOTENAY

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BANFIELD MOUNTAIN	MT05P	1710	15	No Snow	0	8	8	0	5	3	
FLOE LAKE	2C14P	2090	15	-	165	720	862	862	0	8	6
HAWKINS LAKE	MT06P	1970	15	No Snow	0	683	683	0	185	4	
MORRISSEY RIDGE	2C09Q	1800	15	No Snow	0	0	74	0	36	16	
MOYIE MOUNTAIN	2C10P	1930	15	No Snow	0	0	25	0	2*	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											

WEST KOOTENAY

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BUNCHGRASS MEADOW	WA01P	1520	Not Available		5	394	394	2	103*	4	
EAST CREEK	2D08P	2030	15	-	214	819	1163	1163	0	395	17
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											

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KETTLE, OKANAGAN and SIMILKAMEEN*June 15, 2001***KETTLE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BIG WHITE MOUNTAIN	2E03	1680	15	No Snow	94	164	356	0	62*	20	
GRANO CREEK	2E07P	1860	15	-	34	240	503	503	0	248*	3
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											

OKANAGAN**Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BRENDA MINE	2F18P	1460	15	No Snow	0	0	0	0	0	-	8
MISSION CREEK	2F05P	1780	15	No Snow	278	424	424	0	74		29

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

SIMILKAMEEN

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BLACKWALL PEAK	2G03P	1940	15	No Snow	184	874	1031	0	329		33
HARTS PASS	WA09P	1980	15	No Snow	318	1267	1267	13	254		4

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

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COASTAL

June 15, 2001

SOUTH COASTAL

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
DOG MOUNTAIN	3A10	1080	13	50	252	907	2088Z	2088Z	0	657	15
NOSTETUKO RIVER	3A22P	1500	Not Available		0	116	116	0	11*	11	
ORCHID LAKE	3A19	1190	Not Available		1361	-	1910	0	1247	20	
ORCHID LAKE	3A19P	1190	Not Available		1301	-	2074	0	1181*	13	
PALISADE LAKE	3A09P	880	Not Available		8	-	8	8	8*	1	
UPPER MOSELY CREEK	3A24P	1650	15	No Snow	0	0	0	0	-	12	
UPPER SQUAMISH RIVER	3A25P	1340	15	-	446	1129	-	1140	236	834	10

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

VANCOUVER ISLAND**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
JUMP CREEK	3B23P	1160	15	-	11	574	-	574	0	150*	4
WOLF RIVER (UPPER)	3B17P	1490	15	-	543	1024	-	1024	0	785	12

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 COASTAL**Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
BURNT BRIDGE CREEK	3C08P	1330	15	-	45	0	334	334	0	111*	3

TAHTSA LAKE	1B02P	1300	15	-	936	668	1274	1274	0	555*	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											

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NORTH EAST*June 15, 2001***PEACE****Snow Survey Measurements**

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
AIKEN LAKE	4A30P	1040	15	No Snow	0	0	0	0	-	14	
KWADACHA RIVER	4A27P	1620	15	No Snow	263	454	454	0	38	12	
PINE PASS	4A02P	1400	15	-	597	655	835	835	0	487	9
PULPIT LAKE	4A09P	1310	15	No Snow	0	0	0	0	-	10	
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											

LIARD**Snow Survey Measurements**

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2001	2000	1999	Max.	Min.	Normal	No. Years Record
DEADWOOD RIVER	4C09P	1300	15	No Snow	0	0	0	0	0	-	7

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

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NORTH WEST

June 15, 2001

STIKINE/TAKU

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
KINASKAN LAKE	4D11P	1020	15	No Snow	0	0	0	0	0	-	10
TUMEKA CREEK	4D10P	1220	15	No Snow	0	0	67	0	6*	11	
WADE LAKE	4D14P	1370	15	No Snow	0	0	0	0	14	9	
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											

YUKON

Snow Survey Measurements

WATER EQUIVALENT (mm)

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	2001	2000	1999	Max.	Min.	Normal	No. Years Record
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											

SKEENA/NASS

Snow Survey Measurements

Drainage Basin and Snow Course	Station Number	Elev m	Date of Survey	Snow Depth cm	WATER EQUIVALENT (mm)						No. Years Record
					2001	2000	1999	Max.	Min.	Normal	
CEDAR-KITEEN	4B18P	885	15	-	70	-	-	-	-	-	0
HUDSON BAY MTN.	4B03A	1480	09	63	283	27Z	317	673	0	128	22
LU LAKE	4B15P	1310	Not Available			0	0	0	0	-	3
SHEDIN CREEK	4B16P	1480	15	-	896	574	364	626	0	347*	5
TSAI CREEK	4B17P	1360	15	-	893	593	1028	1028	0	540*	3
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											