

## SNOW SURVEY BULLETIN

<b>SUMMERLAND RESERVOIR</b> (Headwaters)	<b>CURRENT SNOW DEPTH (mm)</b>	<b>CURRENT WATER EQUIVALENT (mm)</b>	<b>HISTORICAL AVERAGE WATER EQUIVALENT (mm)</b>	<b>% OF HISTORICAL AVERAGE WATER EQUIVALENT</b>
January 1, 2012	493	97	107	91
February 1, 2012	781	148	169	88
March 1, 2012	948	234	207	113
April 1, 2012	857	239	225	106
May 1, 2012	377	129	128	101
May 15, 2012				
June 1, 2012				
June 15, 2012				

<b>ISINTOK LAKE</b>	<b>CURRENT SNOW DEPTH (mm)</b>	<b>CURRENT WATER EQUIVALENT (mm)</b>	<b>HISTORICAL AVERAGE WATER EQUIVALENT (mm)</b>	<b>% OF HISTORICAL AVERAGE WATER EQUIVALENT</b>
January 1, 2012	387	85	80	106
February 1, 2012	603	109	124	88
March 1, 2012	711	171	154	111
April 1, 2012	768	200	179	112
May 1, 2012	436	150	136	110
May 15, 2012				
June 1, 2012				
June 15, 2012				

### COMMENTS FOR SUMMERLAND RESERVOIR AND ISINTOK LAKE AS OF MAY 1, 2012:

For most of the 2012 snow season both of our snowcourses have shown relatively average water equivalents. The May 1<sup>st</sup> readings indicate that this trend is continuing. Although 2011 was characterized by a prolonged and late freshet, both Summerland Reservoir and Isintok presently show considerably less snow on the ground than last year. This is substantiated by readings from the Brenda Mines Automated Snow Pillow which show that the spring snowmelt season is approximately two weeks earlier than last year. With relatively similar snow amounts compared to last year this appears to be a result of warmer weather.

The 2011 freshet season occurred later than average and water levels in Trout Creek were considerably higher than in recent years. At this time we do not expect these high levels to be repeated in 2012.

In an effort to mitigate potential flooding issues, for some time we have been releasing water from several upper and mid-elevation reservoirs. It is hoped that this strategy will keep them from complete refill during the peak times for snowmelt and may reduce some of the impact of heavy spring rainfall events.