

NORTHERN RESEARCH BASINS QUESTIONNAIRE
WATER BALANCE STUDIES
June 6, 2003

1) Name and location of research watershed	Granger Basin (60° 32' N, 135° 18' W), Yukon. Sub-basin of Wolf Creek Research Basin.
2) Participants with address and email	Sean K. Carey, Department of Geography, University of Saskatchewan, Saskatoon, SK, S7N 5A5 William L. Quinton, Department of Geography, Simon Fraser University, Burnaby, BC, V5A 1S6
3) Watershed size	ca. 7 km ²
4) Permafrost extent	ca. 70 %. Thickness estimated at < 30 m.
5) Soils description	Glacial till. Shallow deposits of colluvial material with bedrock outcrops. Fine textured alluvium is present in the valley floors. Organic cover < 0.3 m thick for most of basin.
6) Vegetation description	Predominantly assorted willow shrubs (<i>Salix</i>) and Labrador tea (<i>Ledum groenlandicum</i>) at lower elevations and tundra species and higher elevation.
7) Climate	Subarctic continental with cold winters and warm summers. Low precipitation distributed evenly between rain and snow.
8) Topography	Alpine (1310 to 2250 m).
9) Period of record	Streamflow 1999 – present. Other measurements in most years with some data gaps.
10) Other	Small perennial snowpack exists at upper alpine location.