

NORTHERN RESEARCH BASINS QUESTIONNAIRE
WATER BALANCE STUDIES
June 6, 2003

1) Name and location of research watershed	Havikpak Creek - 10m SE of Inuvik
2) Participants with address and email	Philip Marsh National Water Research Institute 11 Innovation Blvd., Saskatoon, SK Canada S7N3H5 Philip.marsh@ec.gc.ca 306-975-5752
3) Watershed size	20km ²
4) Permafrost extent	Continuous
5) Soils description	Glacial till, with extensive mineral earth hummocks and organic cover up to 50 cm
6) Vegetation description	- within the forest-tundra transition zone with black spruce forest dominating much of the basin, and shrub tundra and sparse black spruce forest on the uplands.
7) Climate	Long cold winters, short cool summers, low precipitation
8) Topography	Rolling hills, incised valleys, total elevation range approx. 200m, local relief up to 50 m
9) Period of record	met record Sept 1991 to present; Water Survey of Canada streamflow 1992 to present
10) Other	Year round data collection – however, certain parameters (such as radiation) of low quality during the winter. Meteorological Service of Canada operates a met station and upper air station within/close to the basin.