



**AREA OF FRESH WATER**  
as percentages of grid-units 10,000  
square kilometres in area

- Trace
- 1 - 4%
- 5 - 8%
- 9 - 11%
- 12 - 18%
- 19 - 30%
- 31 - 60%
- 61 - 99%

Each grid-unit covers an area of 10,000 square kilometres (38.61 square miles). However, in areas where a grid-unit includes sea water, the percentage of fresh water shown on the map is a percentage of the island and mainland area only, rather than of the whole grid-unit. In such cases the number of square kilometres represented by 1% decreases accordingly.

The data of the map are adapted from: Hare, F.K., Ferguson, H.L., Anderson, J.C., and Schwartz, J., forthcoming, *Mean Evapotranspiration over Canada, Part 1: Cover and Land Form*, Climatological Studies Series, Department of the Environment, Atmospheric Environment Service.

In the study cited above, measurements were made on the 1:250,000 maps of the National Topographical System. The measurements excluded rivers whose width is not represented at scale on the 1:250,000 maps, but is symbolized by a single line. Where all fresh water bodies are represented on the source maps as "single line rivers" the water present is designated "Trace". Likewise in grid-units where measured fresh water bodies constitute less than 1% of the non-sea area, the fresh water is also designated "Trace".

According to the measurements made for the study cited above, fresh water bodies occupy 7.9% of the area of Canada; wetlands, 8.19% (see pages 39-40); glaciers and permanent snowfields, 2.27%; tundra and exposed rock, 30.89%; forest 43.98%; grassland including cropland, 6.71%; built-up areas, 0.06%.