



NOTE: THIS MAP HAS BEEN PRODUCED BY THE COMPILATION OF DATA FROM VARIOUS SOURCES. IT IS NOT TO BE USED AS A LEGAL DOCUMENT.

EDITION: 2 PRINT DATE: 96/08/27

YUKON TERRITORY 1151

CONTOUR INTERVAL 500 FEET Elevations in Feet above Mean Sea Level North American 1983 Transverse Mercator Projection Universal Transverse Mercator Grid Zone 8

15A THOUSAND METRE UNIVERSAL TRANSVERSE MERCATOR GRID MADS ZONE 8

GEOPROCESS FILE SUMMARY REPORT CARMACKS MAP AREA - NT1151

INTRODUCTION The GEOPROCESS File is a compilation of information and knowledge on geological processes and terrain hazards...

Geological Processes and Terrain Hazard Compilation Maps The GEOPROCESS File map area was divided into 1:250,000 topographic base maps...

Backlog Geology Summaries Each 1:250,000 (1:75,000) map area is described according to its topographic belts and terrain hazards...

RECORD GEOLOGY (Templeman, 1984) The Caribou Mountains area is located entirely within the Ontonagon Belt except for its northwestern corner...

Risk models are exposed roughly to 10 kilometers west of the Horseshoe and Yukon rivers and north of the Yukon River...

Fluvial Processes Flooding in the map area is caused by unusually high precipitation, snowmelt runoff or ice jams during break-up time...

Permafrost The map area is part of the scattered permafrost zone (Brown, 1978). Generalized comments about permafrost hazards can be inferred from the available information...

Rockfall and debris flow hazards are common in the Caribou Mountains area. Organic deposits shown on the accompanying map may contain a large amount of ground ice.

Other Features Roads, Streams, Lakes, Marsh

LEGEND TERRAIN HAZARDS TERRAIN HAZARDS ASSOCIATED RISK LEVELS, COMMENTS

LEGEND SEISMIC EVENTS SYMBOL MAGNITUDE REPRESENTED SYMBOL MAGNITUDE REPRESENTED

LEGEND GEOLOGICAL PROCESSES MAP SYMBOL DESCRIPTION INFERRRED HAZARDS

LEGEND FAULTS Fault defined, approximate, assumed, extrapolated beneath overburden

LEGEND QUATERNARY VOLCANISM All units shown are Seltik Volcanics (Pleistocene to Recent)

NOTE: Where areas have more than one identified process or hazard, the colour of the encompassing polygon is assigned based on a hierarchical scheme...

Johnston, L.E., 1989. Geology of the Caribou Mountains area, Yukon Territory. In: Current Research, Part A, GSC Paper 89-1A, p. 33-58.

Johnston, L.E., 1993. Geology and mineral deposits of the Caribou Mountains, Yukon Territory. In: Current Research, Part A, GSC Paper 93-1A, p. 33-58.

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Tectonic Belts and Terranes

Glacial Limits

Distribution of Recent Soils

Permafrost

Location Map

Exploration and Geological Services Division Indian and Northern Affairs Canada

Yukon GEOPROCESS File

Geological Processes and Terrain Hazards of Caribou Mountains 1151

by Mougout, C.M. and Walton, L.A.

Copies of this map may be obtained from Geoscience and Information Services

at Whitehorse Mining Recorder, Indian and Northern Affairs Canada, Room 102, 303 Main Street, Whitehorse, Yukon Y1A 2S5

Recommended citation: Mougout, C.M. and Walton, L.A., 1999. Geological Processes and Terrain Hazards of Caribou Mountains, 1:50,000 scale. Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, 1:250,000 scale.

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