



CONTOUR INTERVAL, 100 FEET
Elevations of Foot above Mean Sea Level
North American Datum, 1983
Transverse Mercator Projection

OPEN FILE 4324
SURFICIAL GEOLOGY
YUKON TERRITORY - BRITISH COLUMBIA
MOUNT MERRILL
Scale 1:50 000 Echelle 1/50 000

1 Kilometers
0 1 2 3 Kilometers
Universal Transverse Mercator Projection
Countr contour interval
Data by the Canadian Mapper

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4324
COMMISSION GÉOLOGIQUE DU CANADA
GÉOLOGIE DE LA SUPERFICIE

85C08 Gold Fly Creek	85C07 Brown Lake	85C01 Babine Mouth
85C03 Mooney Creek	85C02 Moose River	85C04 Maurt River
85N14 Rupert Mouth	85S15 Chap River	85S16 Rupert River

LEGEND

- QUATERNARY SURFICIAL DEPOSITS**
 - O** **ORGANIC DEPOSITS:** organic material - 1 m thick (formed by the accumulation of vegetation in poorly drained depressions and bogs); clayey from the lower
 - Ca** **ALLUVIAL DEPOSITS:** block accumulation and mass wasting debris, 1-50 m thick
 - Ccd** **CLAYEY SAND DEPOSITS:** block accumulation and mass wasting debris, 1-50 m thick
 - Csr** **CLAYEY SAND DEPOSITS:** clayey sand with pebbles and cobbles, 1-10 m thick
 - Csd** **CLAYEY SAND DEPOSITS:** clayey sand with pebbles and cobbles, 1-10 m thick
 - Cpr** **CLAYEY SAND DEPOSITS:** clayey sand with pebbles and cobbles, 1-10 m thick
 - Cpd** **CLAYEY SAND DEPOSITS:** clayey sand with pebbles and cobbles, 1-10 m thick
 - At** **ALLUVIAL DEPOSITS:** gravel, sand and organic detritus 1 m thick

- PROBABLE AND LOCAL ENVIRONMENTS**
 - L** **GLACIOFLUVIAL DEPOSITS:** coarse to fine sand, silt and clay with gravel (also deposits) 1-10 m thick
 - G** **GLACIOFLUVIAL DEPOSITS:** gravel, sand, silt and clay (also deposits) 1-10 m thick
 - I** **IGNEOUS:** igneous rocks (granite, diorite, gabbro, etc.) 1 m thick
 - Td** **TECTONIC DEPOSITS:** 7 m thick (forming underlying topography that obscures underlying bedrock structure; 10 m thick)
 - TV** **TERRACE DEPOSITS:** 2 m thick and discontinuous; surface reflects underlying bedrock structure

PRE-QUATERNARY BEDROCK

- R** **SEDIMENTARY:** sedimentary rocks (sandstone, siltstone, shale, etc.)
- G** **IGNEOUS:** igneous rocks (granite, diorite, gabbro, etc.)
- I** **IGNEOUS:** igneous rocks (granite, diorite, gabbro, etc.)
- Td** **TECTONIC DEPOSITS:** 7 m thick (forming underlying topography that obscures underlying bedrock structure; 10 m thick)
- TV** **TERRACE DEPOSITS:** 2 m thick and discontinuous; surface reflects underlying bedrock structure

MAP SYMBOLS
Geological boundary (dashed, gradient)
Stream (solid line)
Major road (solid line)
Minor road (dashed line)
Contour interval (solid line with number)
Spot elevation (circle with number)
Water body (blue area)
Ice (white area)
Magnetic declination (arrow)

NOTE: This map shows the surficial geology of the Mount Merril area, based on a reconnaissance survey by R. Smith in 1971. The map is a preliminary product of the Geological Survey of Canada and is subject to change as more detailed information becomes available.

NOTE ON DATA SOURCES: The Mount Merril map area was previously mapped by R. Smith in 1971. The map is based on field observations and aerial photographs. The map is a preliminary product of the Geological Survey of Canada and is subject to change as more detailed information becomes available.

REFERENCES:
Smith, R. L. 1971. Mount Merril area, Yukon Territory - British Columbia. Geological Survey of Canada, Memoir 657, 1:50,000.
Geological Survey of Canada, 1971.