

Transverse Mercator Projection

BEDROCK LEGEND

SHEET 96 G

BAY

Resistant, competent carbonate rocks, potentially suitable for use as Devonian limestone units Hume Formation, Ramparts Formation

(Ramparts has been quarried and crushed for road and airstrip construction at Norman Wells). Devonian Bear Rock Formation (limestone and dolomite breccia) is variable in composition and consequently unpredictable in engineering qualities. Cambrian and Silurian Running Group are hard cryptocrystalline dolomites suitable for rip-rap etc. In Mackenzie Mts. includes Precambrian cemented quartzites.

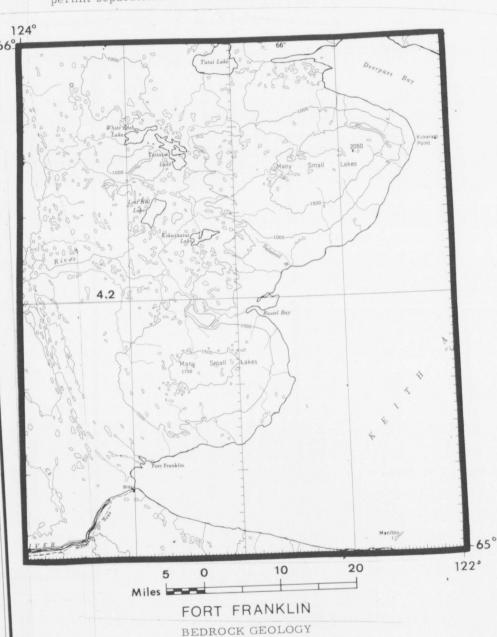
Coherent or moderately competent rocks; fairly resistant to erosion but not strongly cemented; probably would break down rapidly under heavy traffic (eg., if crushed and used for road surfacing). Includes Devonian Imperial Formation and Cretaceous sandstone, the latter of which locally weathers to an unconsolidated sand.

3 Moderately coherent rocks: more resistant than 4 and less easily eroded; capable of maintaining a steep cliff face 150 feet high. Mostly Devonian Hare Indian Formation shale with some thin limestone beds, but includes some Cretaceous siltstone and sandy shale.

4 Incoherent rocks: soft, easily eroded, subject to slumping, mostly Cretaceous shale but includes Devonian Imperial Formation shale. Includes Tertiary shales and poorly consolidated sand, (96 C,E).

3,2 Undivided Ramparts Formation limestone and Hare Indian Formation limestone.

4,2 Undivided sandstone and shale, either Cretaceous or Devonian Imperial Formation. Either lithology could be encountered at a given point but available data does not permit separation into more meaningful units.



OPEN FILE 125 NOV 31

TERRAIN CLASSIFICATION AND SENSITIVITY SERIES Produced for

Indian and Northern Affairs Department of Energy, Mines and Resources

as part of the Environmental-Social Program, Task Force on Northern Oil Development

REFERENCE Village or settlement Post office . . . Building or cabin. R.C.M.P. post ... Horizontal control poir Astronomical position.

Contour Interval 100 Feet Elevations in Feet above Mean Sea Level North American Datum 1927 (1953) FORT FRANKLIN NORTHWEST TERRITORIES DISTRICT OF MACKENZIE Scale 1:250,000 Inch to 4 Miles Approximatel

REFERENCE Rapids; falls... Marsh or swamp...

NOTE: The position of off-shore islands is subject to correction.

This map has been produced from a scanned version of the original map Reproduction par numérisation d'une carte sur papier

LEGEND

ORGANIC TERRAIN (including muskeg)

SILT-CLAY PLAINS

(marine and lake deposits)

III THERMOKARST LAKE BEDS

(marine and lake)

V RIVER DEPOSITS-FINE

VI RIVER DEPOSITS-COARSE

VII GRAVEL-SAND HILLS,

IX TILL PLAIN

X HUMMOCKY TILL

XII MOUNTAINOUS AND ROCKY AREAS

XIII ERODED AND/OR ERODING RIVER

+++ VALLEY WALLS (UNCONSOLIDATED

XIIIR ERODED AND/OR ERODING RIVER

BANKS, COASTAL CLIFFS, AND

**** VALLEY WALLS (BEDROCK)

this map.

21, 1970.

Survey of Canada, 1972.

unpublished manuscript.

BANKS, COASTAL CLIFFS, AND

MATERIAL)

RIDGES AND TERRACES

VIII SILT-CLAY HILLS AND RIDGES

IV BEACHES

Peat, fen; peat-fen complex; commonly occuring as a cover on Units II, IX

Clay and silt, commonly surfaced by

forming plains bordering rivers and coastal areas. Highly unstable in

eroded slopes.

to this unit.

sand or silty sand, with discontinuous

organic cover (see Unit I). Principally

Clay, silt, peat, and local sand on low

along present or former shorelines.

Silt and silty sand in river channels,

floodplains, low terraces adjoining

rivers, and alluvial fans; includes organic silt, peat and minor gravel.

Gravel and sand in river channels,

floodplains, low terraces adjoining

rivers and alluvial fans. Includes

some silt, peat, and organic silt.

eskers, and other glaciofluvial

gravelly-sandy strata.

tilted and folded.

Unit I.

slopes.

areas.

Note: Detailed unit descriptions of terrain sensitivity and the performance

rating table are presented on a separate sheet which accompanies

SOURCES OF INFORMATION

Fulton, R.J., <u>Surficial Deposits and Landform Maps</u>, 1:250,000

NTS 96F (Mahony Lake), 96G (Fort Franklin) 96E Norman Wells

(NE & NW quadrant); Geological Survey of Canada, Open File

Hughes, O.L., <u>Surficial Geology Maps</u>, 1:125,000 NTS 96C (Fort Norman), 96D (Carcajou Canyon), 96E (Norman Wells), 106G (Upper Ramparts River), 106H (Sans Sault Rapids), Geological

Compiled by R.L. Monroe Preliminary map prepared for open file, November, 1972 Subject to revision and correction.

XI UPLAND AND PIEDMONT COMPLEXES Areas of moderate to low slope, in

and moraines consisting of deformed

Mainly silt and clay with minor sand

and gravel in moraines, strata

Till, occurring as ground moraine

with low rolling relief or parallel

drumlin ridges. Large areas are clayey to silty till as a thin veneer on shale; locally forms a thin veneer on other kinds of bedrock. Includes undifferentiated areas of

gravel, forming rolling to hilly

depressions. Includes small undifferentiated areas of Unit I.

part hilly, surfaced by till, disintegrated bedrock, and local clay, silt, sand, or gravel. Unconsolidated deposits generally

includes unstable areas.

covered by rock detritus or

unconsolidated materials; slopes

places they are thick (>100 feet).

in material and ground ice between

flat areas formerly occupied by

tundra ponds. These materials generally less than ten feet thick over

and X; flat to moderately sloping.