



Military users, refer to this map as: **SERIES A 502**
 Réference de cette carte pour usage militaire: **MAP 86 H**
SÉRIE CARTE ÉDITION 2 MCE ÉDITION

SURFICIAL GEOLOGY
POINT LAKE, NORTHWEST TERRITORIES (86 HC)

QUATERNARY

HOLOCENE

NONGLACIAL ENVIRONMENT

O ORGANIC DEPOSITS: peat and muck up to 2 m thick; formed predominantly by the accumulation of vegetative material in bogs; occurs in depressions and along valley bottoms; permafrost is commonly present; contains small pebbles, ice-wedge polygons, and thermokarst collapse structures. Small unmapped organic deposits occur in most terrain units.

A ALLUVIAL DEPOSITS: gravel to silt size sediment deposited by modern streams and rivers; deposits generally are stratified and moderately sorted; 1 to 5 m thick; occurs as floodplains, in places covered by icings.

PLEISTOCENE (WISCONSIN GLACIATION)

GLACIAL ENVIRONMENT

L GLACIOLACUSTRINE DEPOSITS: silt and sand; cross-stratified to planar bedded; 1 to 8 m thick; deposited into temporary glacier-dammed lakes and ponds.

GLACIOFLUVIAL DEPOSITS: sand, gravel, and minor silt more than 1 m thick; sorting ranges from good to poor, and stratification from massive or cross-stratified to planar bedded; deposited by water flowing from, or in contact with, glacier ice.

G2 Outwash: rounded gravel and sand; massive to cross-stratified; probably less than 5 m thick; occurs as braided fans.

G1 Esker sediments: sand, silt, and gravel; in planar, cross-stratified, and massive beds 1 to 40 m thick; forms ridges with both sharp-crested and flat-topped segments, mounds, and flanking aprons; deposited at or behind the ice margin; formed subglacially or in subaerially exposed ice-walled channels. Zones of washed rock, small transverse gravel ridges associated with this unit, isolated kame deposits, and circular rim ridges are shown by symbols.

TILL DEPOSITS: unsorted glacial debris (diamictin), consisting of a silty sand matrix containing pebbles, cobbles, and boulders, with minor lenses of sorted sediments; deposited beneath, or along the margin of, glaciers as lodgment till, meltout till, and gravity flow deposits.

T3 Hummocky Till: from 5 to 30 m thick; forms irregular to rolling terrain with relief up to 15 m; some areas have abundant small meltwater channels and lag concentrations of boulders in depressions.

T2 Till Blanket: from 2 to 10 m thick; occurs as till plains mimicking bedrock topography or as drumlinoids. Small rock outcrops in this unit are shown by symbols.

T1 Till Veneer: less than 2 m thick; rock structure is generally visible on airphotos; unit includes patches of bedrock and till blanket.

PRE-QUATERNARY

R Bedrock: Archean granitic, gneissic, metasedimentary, and metavolcanic rocks; Proterozoic sedimentary rocks, mafic dykes and minor, younger (Tertiary?) kimberlite; may include patches of till veneer or glaciofluvial deposits; areas of shattered and frost-heaved rock, particularly on metasediments, are designated by symbols. R1-volcanic rocks; R2-metasedimentary rocks; R3-granitoid rocks; R4-sedimentary rocks.

- Geological boundary
- ≡ Ice-wedge polygons
- - - Rashed beach
- Lag concentration of glacially abraded boulders
- Subglacial or proglacial meltwater channel
- Esker (direction of flow known, unknown)
- * Kames and gravelly transverse ridges
- ⊙ Rim ridges and till plateaus
- Moraine
- Drumlinoid till form
- Rock crag-and-till tail form
- Roche moutonnée or whaleback
- Striation (ice flow direction known, unknown; 1=oldest)
- Gossan
- Small rock outcrop
- Sample site
- ⊙ Fossil locality

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Recommended citation:
 Dredge, L.A., Kerr, D.E., and Ward, B.C.
 1995. Surficial Geology, Point Lake, District of Mackenzie, Northwest Territories. Geological Survey of Canada, Open File 3085, scale 1:125 000.

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3085
 GEOLOGICAL SURVEY OF CANADA
 GÉOLOGIQUE DU QUÉBEC ET DES PROVINCES
 1995

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POINT LAKE
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 NORTHWEST TERRITORIES TERRITOIRES DU NORD-OUEST

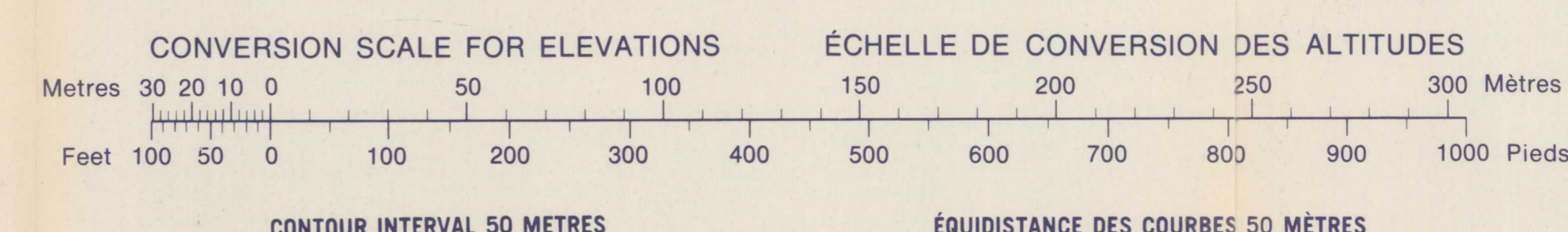
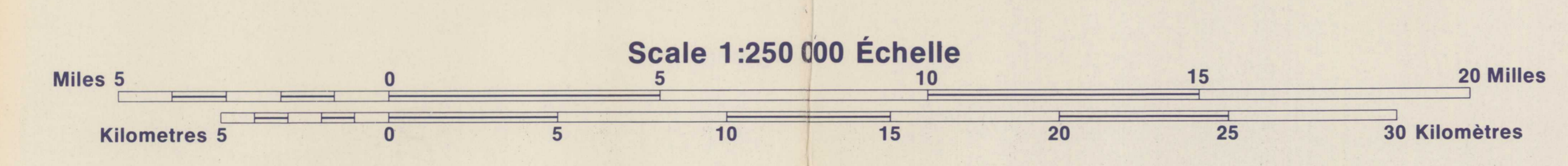
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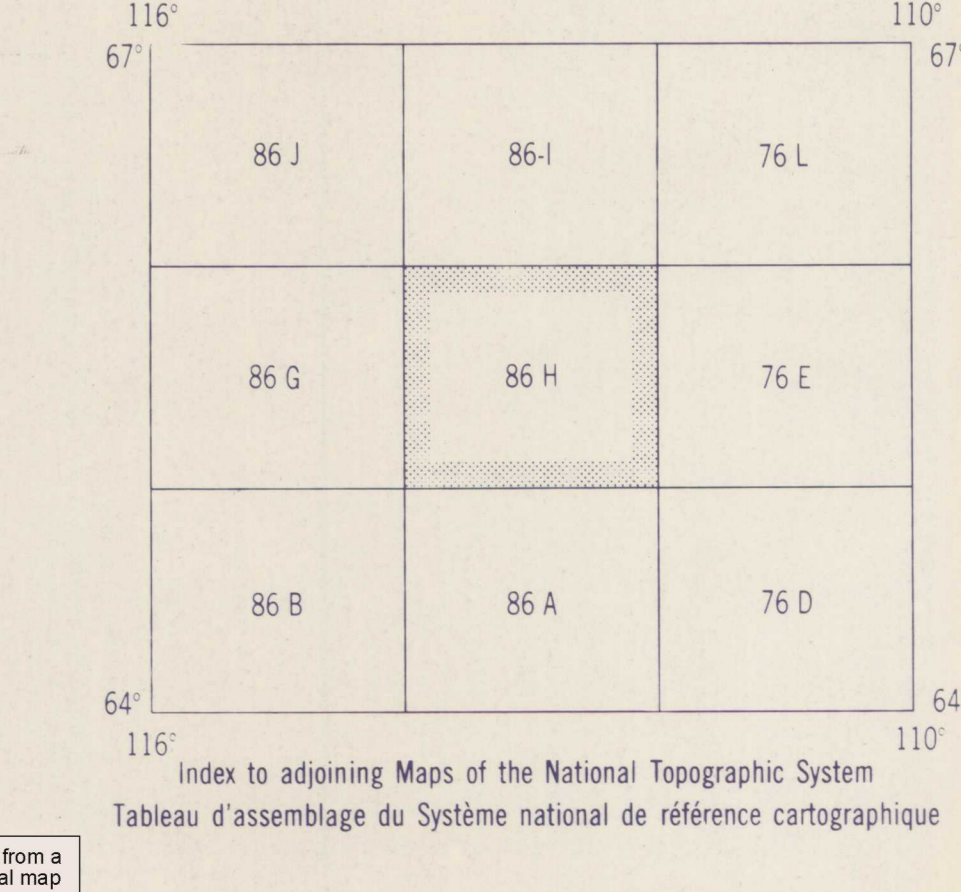
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 cart track: sentier, percée ou portage
 trail, cut line or portage: sentier, percée ou portage

FOR COMPLETE REFERENCE SEE REVERSE SIDE POUR UNE LISTE COMPLÈTE DES SIGNES, VOIR AU VERSO



CONTOUR INTERVAL 50 METRES **ÉQUIDISTANCE DES COURBES 50 MÈTRES**
 Elevations in Metres above Mean Sea Level Altitudes in metres
 North American Datum 1927 Transverse Mercator Projection
 Système de référence géodésique nord-américain, 1927 Projection transverse de Mercator



Magnetic declination 1988 varies from 31°04' easterly at centre of west edge to 29°36' easterly at centre of east edge. Mean annual change decreasing 4.4".
 En 1988, la déclinaison magnétique varie de 31°04' vers l'est au centre du bord ouest à 29°36' vers l'est au centre du bord est. La variation annuelle moyenne décroît de 4,4".

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