



GEOLOGICAL SURVEY OF CANADA

LEGEND

Table with columns: MAP UNIT (Regional Genetic Units, Basic Genetic-Morphologic Units), MATERIAL, LANDSCAPE OR LANDFORM (Origin or Feature, Topography), ASSUMED THICKNESS (feet), ORGANIC DEPOSITS AND PERMAFROST, GENERAL COMMENTS, and DESCRIPTIVE NOTES.

*Upper case letters used without morphologic descriptors in a complex unit indicate that the regional genetic unit occurs as a veneer (see complex units)

SURFICIAL GEOLOGY OF PROJECT AREA

DESCRIPTIVE NOTES

This map covers part of an area largely within the glaciated Canadian Shield of northeastern Manitoba (see index map) where surficial materials have been mapped by the Geological Survey of Canada. The region consists predominantly of low relief landscapes bordered along the northwestern margin by low hills of Precambrian bedrock...

Map Unit Designators

The principal designators represent general lithologic-genetic types common to this region and comprise the following seven upper case letters: B (bedrock), M (moraine), L (lacustrine), I (ice contact), F (glaciofluvial), W (marine), and A (alluvial). In addition, to designate the landscape or landform characteristics of the lithologic-genetic units the following lower case letters are used: h (hill), n (knoll), r (ridge), p (plain), b (barren), a (delta), d (drumlin), and t (terrace).

Complex Units: A horizontal line separating two basic inorganic units (e.g., A-B) indicates that the upper one is a veneer overlying a morphologically dominant one. Units designated as veneer may have considerable variations in local thicknesses...

Composite Units: Composite units consist of two consecutively arranged basic designators separated by a single dot (Lp-Rn) or by two dots (Lp.Rn). Where one dot is used, the first letter couplet designates the nature of more than 50 per cent of the area represented by the map unit...

Complex Composite Units: The same system of separation of designators by dots applies as to the composite units, except that one or both of the basic designators are replaced by complex designators (e.g., Lp.Fn or Lp.Fn.B).

Specific Lithology Symbols: Where a specific lithology of either gravel or sand is identified in marine or lacustrine deposits, the lower case letters g or s, respectively, are placed ahead of the general lithologic-genetic symbol (e.g., Lp.g).

Reference

Fulton, R.J., Hodgson, D.A., and Manning, G.V. 1975. Inventory of Quaternary geology southern Labrador: An example of Quaternary geology terrain studies in undeveloped areas. Geol. Surv. Can. Paper 74-46, 14p.

MAP SYMBOLS

Table with columns: Lithologic - Genetic Designator and Morphologic Descriptor. Lists symbols for alluvial, marine, glaciofluvial, lacustrine, ice contact, moraine, and bedrock units.

Mapped Organic Deposits

- Bog and bog containing fen: peaty material generally 5 to 9 feet thick and several feet or more above local water table; permafrost commonly occurs at a depth 1 to 4 feet depending on local factors (forest cover, slope aspect, drainage, etc.)
- Fen and fen containing bog: either a nearly continuous organic blanket over water or peaty material at or just below the level of the local water table; permafrost appears to be absent
- Mixed bog and fen with bog most extensive
- Mixed bog and fen with fen most extensive

Geological boundary

- Moraine ridge
- Glacial striae (ice direction shown, not shown)
- Escher (direction of flow assumed, uncertain)
- Abandoned beach
- Partly buried channel (large, small)
- Abandoned or underfit channel (large, small)
- Escarpment or steep bank
- Minor intersecting lineaments or grooves
- Limit of forebay flooding
- Dam site or cofferdam (completed, proposed)
- Gravel pit

*Information taken from published geological maps

Note: Symbols are printed in red on the face of the map and may form geological boundaries

Some map units and symbols shown in the legend may not appear on this map