

8100-00	Outwash
8200-00	Fluvial
8300-00	Proglacial
8400-00	Marine
8500-00	Marine
8600-00	Marine
8700-00	Marine
8800-00	Marine
8900-00	Marine
9000-00	Marine
9100-00	Marine
9200-00	Marine
9300-00	Marine
9400-00	Marine
9500-00	Marine
9600-00	Marine
9700-00	Marine
9800-00	Marine
9900-00	Marine
1000-00	Marine

- HOLOCENE NONGLACIAL ENVIRONMENTS**
- F** FLUVIAL DEPOSITS: bouldery gravel to silt sand; 1 to 10 m thick; channel, floodplain and terrace deposits
  - L** LACUSTRINE DEPOSITS: silt and sand, locally peat; 1 to 2m thick; lacustrine, fluvial, colluvial, glaciolacustrine or organic deposits, in minor valleys or basins; commonly numerous ponds.
- HOLOCENE - LATE PLEISTOCENE NONGLACIAL AND PROGLACIAL ENVIRONMENTS**
- EMERGED MARINE DEPOSITS:** bouldery gravel to silt; few cm to 10 m thick; shoreline, nearshore and offshore deposits, exposed after shoreline regression; maximum elevation rise from 110 m in the southeast to 140 m in the north.
  - Basal beach deposits:** bouldery to silty sand over till; silt to silt gravel over rock; a few cm to several m thick. Discontinuous large ridges (or a high ice margin limit) along Proterozoic.
  - W** Nearshore and offshore deposits: stony sandy silt; 10 m thick; locally clayey; proglacial deposits, including dyke/silt, mostly the suspended load from major glacial meltwater outlets; thinning away from silt to a proglacial ridge (or a high ice margin limit) along Proterozoic.
  - Wv** Glaciolacustrine veneer deposits: stony sandy silt; generally <1 m thick; proglacial marine or brackish sediments, discontinuously veneered over till or less commonly rock.
  - GLACIOLACUSTRINE DEPOSITS:** silt or fine sand; 1 to 10 m thick; deposited in lakes mostly impounded by ice.
  - LG** Glaciolacustrine deposits: silt or fine sand; 2 to 10+ m thick.
  - LV** Glaciolacustrine veneer: silt or fine sand; 0.1 m thick; deposited proglacially as a veneer, commonly discontinuous, over till or rock.
  - PG** OUTWASH DEPOSITS: bouldery to gravelly sand; 1-20 m thick; proglacial floodplains, fans and deltas, including deltas in proglacial lake spillways; minor kame terraces.
- LATE PLEISTOCENE GLACIAL ENVIRONMENT**
- G** ICE CONTACT GLACIOPROGLACIAL DEPOSITS: bouldery gravel to gravelly sand, locally silt and clayey; 2 to 10 m thick; in ridges, banks or hummocks; common, including caliche.
  - TILL:** calcareous; contains boulders to granule size clasts of dolomite, minor sandstone, basalt, quartzite; only slightly calcareous over cover of Proterozoic. Main tiller (than Minto) is 10-15 m thick; locally mottled into elongate drumlins.
  - TW** Marine washed till: silt <1 m thick; below the marine limit, washed by regressing shoreline processes to lower concentrations of boulders and/or sand, and subglacial lacustrine.
  - T** Undifferentiated till: silt 1-10 m thick; locally mottled into elongate drumlins.
  - Tn** Hummocky thick till: silt 10-40 m thick; numerous gravel boulders and pressed till ridges; probably includes massive bodies of glacier ice; scattered floodlines.
  - TV** Till veneer: silt <2 m thick; too thin to mask underlying rock relief and structure; areas of exposure, positions of thick till; steep collated slopes and included in this unit.

- PRE-QUATERNARY AND QUATERNARY NONGLACIAL AND GLACIAL ENVIRONMENTS**
- R** ROCK: Metasediments and basic igneous rocks; part of Palaeozoic and Mesozoic. Includes the Mackenzie Mountains and the Mackenzie Mountains. Rock fractured to blocks or disintegrated to gravelly sand by glacial and subglacial processes; except isolated intact blocks of till cover that have been recently removed. Rubble worked into discontinuous bedrock locally below marine limit.
- Geological boundary**
- Fluvial: - - - - -
  - Marine limit: ○
  - Proterozoic delta: ⊗
  - Abandoned outwash channel (bedfill, ice front, col, major spillway channel): - - - - -
  - Ice margin, well defined: - - - - -
  - Ice margin, poorly defined: - - - - -
  - Minor transverse moraine or crevasse filling: - - - - -
  - Drumlinoid ridge, flute (length to scale): - - - - -
  - Drumlin (length to scale): - - - - -
  - Ice-unstrained bedrock: - - - - -
  - Till analysis: numbered sites described in Nixon (1988): ○
  - Radiocarbon dated material: ○

Field observations by J.G. Fyles, 1959; D.A. Hodgson and J. Bodnar, 1982. Airphoto interpretation at 1:50 000 scale by J.G. Fyles and 1984 by D.A. Hodgson. Completion and drafting by N. Givens. Compiled initially on 1:50 000 scale topographic maps. Data from all sample sites published in Nixon (1988).

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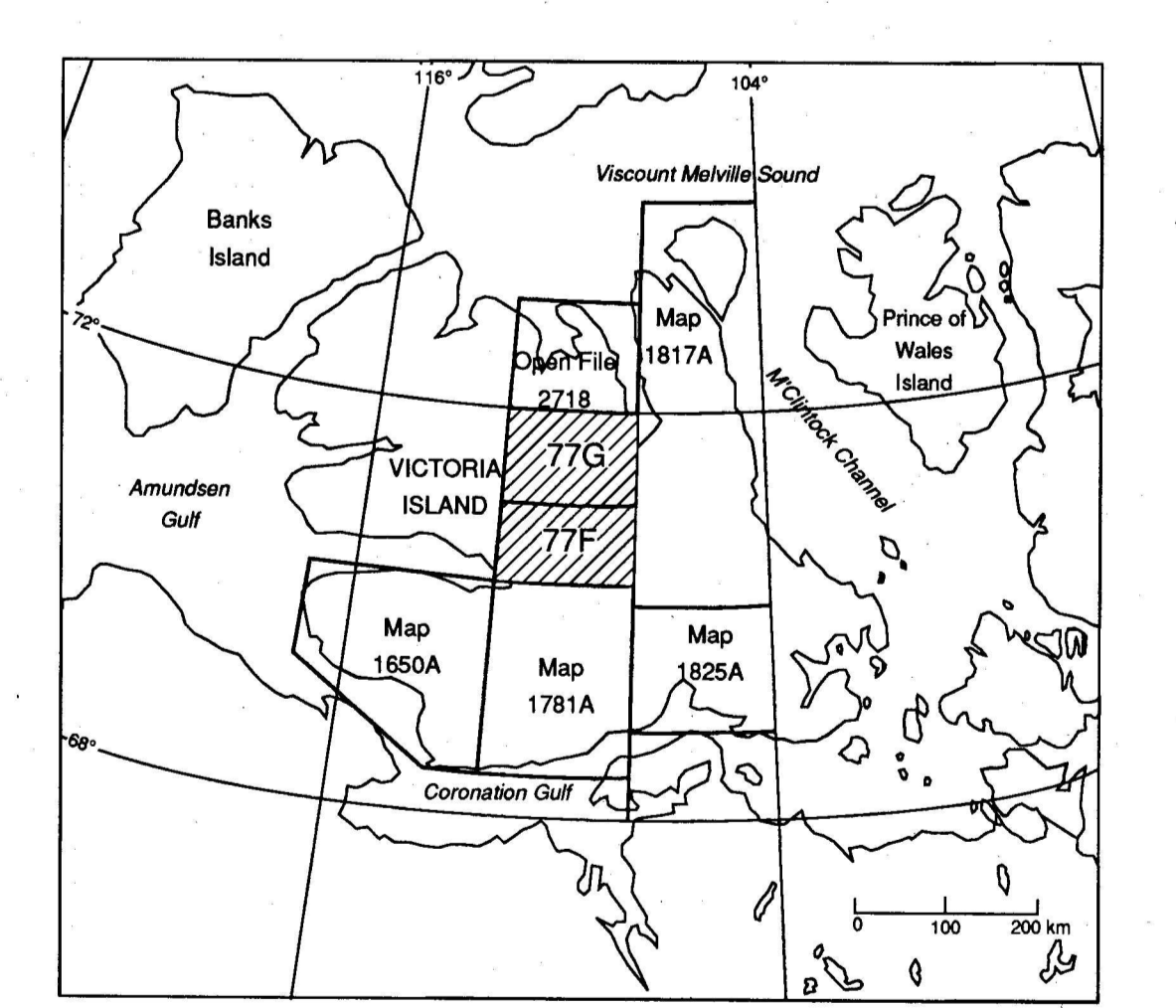
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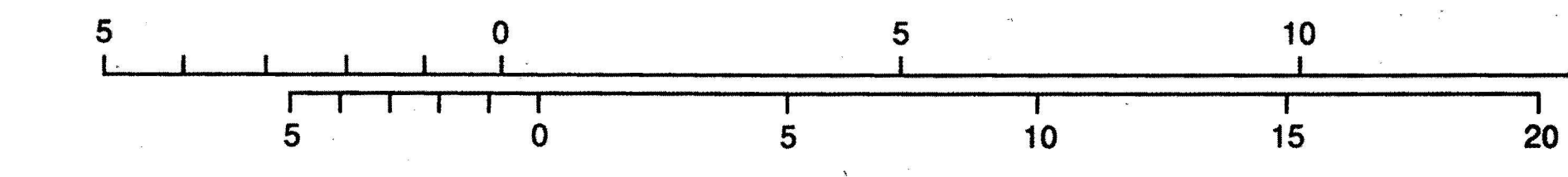
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**SURFICIAL MATERIALS, BURNS LAKE, VICTORIA ISLAND, NORTHWEST TERRITORIES (77 G)**

Scale 1:125 000



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