METADATA

Last update of this file
- -date: 96/07/19
- -who: Andy Moore

Data Identification
- -data title: Surficial Materials of Canada, 1880A
- -data theme: surficial geology units
- -scale of publication: 1:5000000
- -publication type: A-series
- -project affiliation: N/A
- -author(s): Dr. R.J. Fulton, compiler
- -GSC project number: 920041
- -citation: Fulton, R.J., compiler
  1995: Surficial materials of Canada, Geological Survey of Canada, Map 1880A, scale 1:5 000 000
- -availability
  - paper: Geological Survey of Canada Bookstore
    601 Booth Street, Ottawa, Ontario, K1A 0E8
    Tel: 613-995-4342
    Fax: 613-943-0646
  - digital (cdrom): Geological Survey of Canada Bookstore
    601 Booth Street, Ottawa, Ontario, K1A 0E8
    Tel: 613-995-4342
    Fax: 613-943-0646
  - online: http://sts.gsc.nrcan.gc.ca/page1/sgm/maps.htm

Content Description

-abstract: This map shows the distribution of surficial materials in Canada, on land and in extensive offshore areas, at 1:5 000 000 scale. It portrays broad genetic categories of surface materials, such as alluvial, lacustrine, marine, and glacial, as well as bedrock. The units are subdivided according to different characteristics: texture (e.g., marine mud vs. marine sand); thickness (e.g., till blanket vs. till veneer); and landform (e.g., glaciofluvial plain vs. glaciofluvial complex).

- -time period of content: complete to 1994

-initial publication date: 95/08/01
-initial publication type: paper
-compilation methods: Where surficial map information was available, existing units were fitted to the legend used in this compilation. To create map units of a size appropriate for the final publication scale, small units that were enclosed by larger ones were eliminated and small units lying between larger ones were attached to the most similar adjacent large unit. The map units were compiled at a scale of 1:1 000 000 and photographically reduced to 1:5 000 000 for final compilation. For areas where no surficial map information existed, available literature and surficial materials experts were consulted to draw surficial units on 1:250 000 scale topographic maps.

-data lineage since publication
-updates
-date: 96/07/19
-authority: Dr. R.J. Fulton
-description: -addition of hummocky modifier to till units in Southern Prairies
-update availability: digital
-attribute accuracy
-value: see compilation methods
-comments: see compilation methods
-primary contact: Dr. R.J. Fulton
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Layers of spatial data: 5
-layer 1 name: geology
-description: polygonal units of surficial materials

-types of entities: polygons, polylines
-attribute type: polygon
-attribute label: GEOPOLY
-structure
-width: 10
-type: character
-decimal places: n/a
-definition: surficial material
-defined values: A, mM, sM, mL, sL, E, O, bC, rC, fC, sC, fL, cL, fM, cM, Mv, Gp, Gx, Tb, Tv, V, Ra, R, water, I
-related files: geopoly.def (ascii, symbol definition file)
-comments:

-attribute label: GEOMOD
-structure
-width: 1
-type: character
-decimal places: n/a
-definition: surficial material modifier (hummocky terrain)
-defined values: h
-related files:
-comments:
-attribute type: polyline
-attribute label: GEOTYPE
-structure
-width: 16
-type: character
-decimal places: n/a
-definition: polygon contacts
-defined values: contact, shoreline, off_contact, other
-related files:
-comments: off_contact defines offshore geology contact

-layer 2 name: hydro_l
-description: hydrography (lakes)
-type of entities: polygons, polylines
-attribute type: polygon
-attribute label: HYDPOLY
-structure
-width: 10
-type: character
-decimal places: n/a

-definition: feature definition
-defined values: water, land
-related files:
-comments:
-attribute type: polyline
-attribute label: HYDTYPE
-structure
-width: 16
-type: character
-decimal places: n/a
-definition: feature definition
-defined values: shoreline, political
-related files:
-comments: some polylines define international borders

-layer 3 name: hydro_r
-description: hydrography (rivers)
-type of entities: vector/line
-attribute type: vector/line
-attribute label: HYDTYPE
-structure
-width: 16
-type: character
-decimal places: n/a
-definition: feature definition
-defined values: river
-related files:
-comments:

-layer 4 name: linesymb
-description: quaternary landform symbols
-type of entities: vectors/lines
-attribute type: vector/line
-attribute label: SYMBTYPE
-structure
-width: 16
-type: character
-decimal places: n/a
-definition: feature values
-defined values: 1,2,3,4,5,6
-related files: linesymb.def (ascii, linesymbol definitions)
-comments: ie. eskers, ice limits, etc.

-layer 5 name: polysymb
-description: quaternary landform symbols (moraines)
-type of entities: polygon,polylines
-attribute type: polygon
-attribute label: POLYSYMB
-structure
-width: 10
-type: character
-decimal places: n/a
-definition: feature values
-defined values: moraine
-related files:
-comments:
-attribute type: polyline
-attribute label: POLYTYPE
-structure
-width: 16
-type: character
-decimal places: n/a
-definition: feature values
-defined values: moraine
-related files:
-comments:

Spatial Description:
-bounding quadrangle
-SW corner: 140 W, 40 N
-NE corner: 40 W, 85 N
-centre of data: 95 W, 45 N
-positional accuracy: +/- 3000m
-scale of compilation: 1:5000000
-scale of base data: 1:7500000
-projection of digital data
-projection: Lambert Conic Conformal
-parameters: stnd parallels at 49N and 77N
central meridian at 95W
origin of latitude at 49N
x shift = 0
y shift = 0
-datum: NAD 27 (Clarke 1866)

-units: meters

-principal contact: Andy Moore

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-reference/citation of base data : Digital base supplied by the National Atlas Information Service, Geomatics Canada, with modifications by the Geological Survey of Canada.

Digital Compilation Description

-digitization method: scanning

-principal cartographic software: ArcInfo

-archive format: ArcInfo workspaces

-digital compilation references

Related data sets: Geological Survey of Canada Open File 3046 Bibliography for surficial geology mapping in Canada , R.J. Fulton, L. Maurice, and K.F. Betrand, August 1995.