



Atlas of Canada 6th Edition
(archival version)

Surficial Materials (Diamond Exploration)

Minerals associated with diamond source rocks found in glacial sediments indicate presence of a kimberlite. To a certain extent it also gives an evaluation of the potential presence of diamonds. Regional ice advance and retreat pattern knowledge, combined with geophysical analysis, help to find the kimberlites that are the rock formations where diamonds can be found. This map shows the location of surficial materials and gives the general direction of ice flow.

0 150 300 450 600 km

Lambert Conformal Conic Projection. Standard Parallels 49°N and 77°N

- | | | |
|---------------------------------|------------------------|--|
| Surficial Materials | Eskers | Populated Places |
| Glaciers | Esker | 1 - 4 999 |
| Alluvial Deposits | Moraine | 5 000 - 49 999 |
| Marine Mud and Sand | Wisconsinian Ice Limit | 50 000 - 99 999 |
| Lacustrine Mud and Sand | Ice Limit | 100 000 and greater |
| Eolian Deposits | Drumlin | Provincial and Territorial Capital |
| Organic Deposits | Large Moraines | National Capital |
| Colluvial Blocks and Rubble | Moraine | Boundaries |
| Colluvial Fines and Sand | | International |
| Fine Grained Glaciolacustrine | | Provincial / Territorial |
| Coarse Grained Glaciolacustrine | | Canada / Kalallit Nunaat dividing line |
| Fine Grained Glaciomarine | | EEZ (200 mile) |
| Coarse Grained Glaciomarine | | |
| Lag Glaciomarine | | |
| Glaciolacustrine | | |
| Glaciolacustrine Complex | | |
| Till Blanket | | |
| Till Veneer | | |
| Quaternary Volcanic Rock | | |
| Alpine Complexes | | |
| Undivided | | |

Source(s):
Surficial Materials
Fulton, R.J. 1995. Surficial Materials of Canada, Geological Survey of Canada, Map 1880A.
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