



# GRANULAR-AGGREGATE RESOURCES OF THE RIVIERE EMBARRASSÉE MAP AREA (NTS 23A/05)

MAP 2012-10

## LEGEND

Sample types (based on laboratory sieve analysis - see Table 1)

Symbol	Definition
○	Commonly gravel or sand, having silt-clay content < 5 percent. Deposits are commonly graded and stratified
▲	Commonly till, poorly graded and of variable grain size, having a silt-clay content (≥ 5 and < 15 percent) and stone size exceeding allowable limits for most geotechnical purposes (except subgrade uses) without processing (i.e., washing, screening or crushing)
+	Commonly silty till, silt or clay samples, having silt-clay content > 15 percent
x	Site observation - no sample collected

Multiple samples taken from the same site in different years are listed in order from oldest to youngest. Multiple samples taken at the same site in the same year are listed in order, from the top of the exposure to bottom.

**Note**  
This is a composite legend for all granular-aggregate resource maps. All aggregate zones, study areas, and sample types shown in the legend may not appear on this map. Aggregate zone classification is based on airphoto interpretation, field investigation and sieve analyses. Areas outside the coloured zones have no known potential for granular materials; however silty tills, rock rubble suitable for fill, and bedrock suitable for aggregate may be present. Classification criteria used on this map do not consider current or conflicting land uses, nor do they guarantee either access to, or the quality of the material located within these zones.

## ZONES OF AGGREGATE POTENTIAL

<span style="color: red;">■</span>	Contains granular materials; probability of locating economic deposits is moderate to high
<span style="color: yellow;">■</span>	Contains thin (less than 2 m) or discontinuous granular materials; also includes areas where extent of thicker deposits could not be determined by field investigation; probability of locating economic deposits is moderate to low
<span style="color: orange;">■</span>	May contain granular materials but deposits are not substantiated by field investigation; probability of locating economic deposits is moderate to low
<span style="color: lightgreen;">■</span>	Material of granular composition (e.g., sandy tills and colluvium) that generally contains up to 8 percent silt-clay, but could be improved for higher grade uses by washing or screening
<span style="color: pink;">■</span>	Contains sand-size granular materials; high potential for economic exploitation of sand; low to moderate potential for coarser granular materials
-----	Eskers; sinuous ridges of granular materials; moderate to high potential for economic exploitation
-----	Study area within the dashed outline

In addition to this map data, a granular-aggregate database is accessible in the Geoscience Atlas of Newfoundland and Labrador (<http://rigit.geoscience.gov.nl.ca/>) for all granular-aggregate maps and sample data. The database provides information on more than 13 000 samples collected from 230, 1:50 000-scale-map areas in Newfoundland and Labrador.

This map was originally produced in a series of blue-line maps from airphoto interpretation and field work (Environmental Geological Section, 1983).

The location of roads added to topographic map base are approximate.

Elevation in feet above mean sea level. Contour interval 50 feet.

Digital Cartography by T. Paltnavag.

Copies of this map may be obtained from the Geoscience Publication and Information Section, Geological Survey, Department of Natural Resources, Government of Newfoundland and Labrador, P.O. Box 8700, St. John's, NL, Canada, A1B 4X6.

This map is subject to review and revision. Comments to the author concerning errors or omissions are invited.

Base from maps published by Surveys and Mapping Branch, Department of Natural Resources, Ottawa, Canada.

OPEN FILE 23A/05/0033  
This map supercedes Map 82-245 and Map 82-246, Open File LAB/0607  
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Department: <http://www.nr.gov.nl.ca/nr/>  
Geological Survey: <http://www.nr.gov.nl.ca/nr/mines/geoscience/>  
E-mail: [pub@gnr.nl.ca](mailto:pub@gnr.nl.ca)

## References

Environmental Geology Section  
1983: 1:50 000 scale aggregate resource maps outlining zones of aggregate potential within a 6-km-wide corridor in Labrador, Newfoundland Department of Mines and Energy, Mineral Development Division, Map 82-245 and Map 82-246, Open File LAB/0607.

Kirby, F.T., Ricketts, R.J. and Vanderveer, D.G.  
1983: Inventory of aggregate resources in Newfoundland and Labrador; information report and index maps. Newfoundland Department of Mines and Energy, Mineral Development Division, Report 83-2, 26 pages.

## Recommended citation

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