GRAIN-SIZE ANALYSES 

Material. A 500 to 1000 gm split of the <8 mm material (sand-silt-clay) was retained for laboratory sieve analysis. Laboratory sieve analyses (Baird et al., 1979) were conducted on 11 samples in NTS area 13B/13 to determine gravel, sand and silt-clay content of sample material collected in NTS area 13B/13.

<table>
<thead>
<tr>
<th>Sample</th>
<th>Sand</th>
<th>Gravel</th>
<th>Total Gravel</th>
<th>Silt</th>
<th>Clay</th>
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</thead>
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<tr>
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<td>2.0</td>
<td>23.1</td>
<td>25.1</td>
<td>17.1</td>
<td>8.6</td>
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<tr>
<td>103185</td>
<td>1.2</td>
<td>10.1</td>
<td>11.3</td>
<td>10.3</td>
<td>6.9</td>
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<tr>
<td>103186</td>
<td>1.4</td>
<td>3.7</td>
<td>5.1</td>
<td>3.8</td>
<td>0.8</td>
</tr>
<tr>
<td>103189</td>
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<td>8.1</td>
<td>16.2</td>
<td>5.5</td>
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</tr>
<tr>
<td>103191</td>
<td>1.3</td>
<td>11.4</td>
<td>12.7</td>
<td>5.8</td>
<td>12.3</td>
</tr>
</tbody>
</table>

LEGEND

- **Gravel**: Commonly gravel or sand, having silt-clay content < 5 percent. Deposits are commonly graded and stratified (i.e., may contain more than one size of gravel).
- **Gravel (*dashed line*):** 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).
- **Gravel (*dashed line):** Commonly silty till, silt or clay samples, having silt-clay content > 15 percent.
- **Gravel (*dashed line):** 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.
- **Gravel (*dashed line):** May contain granular materials but deposits are not substantiated by field investigation; probability of locating economic deposits is low.
- **Gravel (*dashed line):** Material of granular composition (e.g., sandy tills and colluvium) that generally contains up to 8 percent silt-clay, but could contain up to 10 percent silt-clay in areas where coarser granular materials are not prevalent.
- **Gravel (*dashed line):** Eskers: sinuous ridges of granular materials; moderate to high potential for economic exploitation.
- **Gravel (*dashed line):** Folded gravel ridges (>2 m); high probability of locating economic deposits.
- **Gravel (*dashed line):** Folded gravel ridges (>2 m); high probability of locating economic deposits.
- **Gravel (*dashed line):** Folded gravel ridges (>2 m); high probability of locating economic deposits.

Note: Multiple samples taken from the same site in different years are listed in order from oldest to youngest. Multiple samples taken at the same time from different sites may be listed together. Some samples have a single analysis, while others have multiple analyses. TheLEGENDmay 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 uses.

GRANULAR-AGGREGATE RESOURCES OF NTS MAP AREA 13B/13

MAP 2011-16

LEGEND

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References


Current

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OPEN FILE 13B/13/0035

PUBLISHED 2010

Geological Survey: http://www.nr.gov.nl.ca/nr/mines/geoscience/E-mail: pub@gov.nl.ca

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