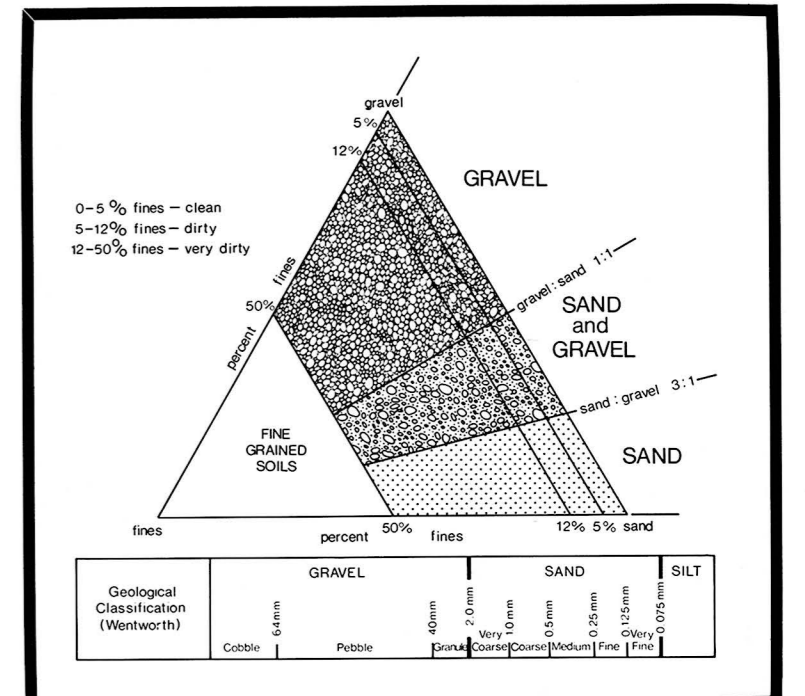


This reconnaissance-level, aggregate potential map is derived from published information, aerial photograph interpretation and limited field checking. As such, deposit outlines are assumed and material descriptions are either assumed or approximate. The sources of information used to produce this map are listed below and terms used in the legend are defined in the ternary diagram.

- 1 Gravel, coarse, clean
 - 2 Sand and gravel, clean
 - 3 Sand and gravel, clean to dirty
 - 4 Sand and gravel, dirty to very dirty
 - 5 Sand, very coarse to medium grained, clean
 - 6 Sand, very coarse to medium grained, dirty
 - 7 Sand, fine grained, clean
 - 8 Sand and gravel-thin, discontinuous, or inadequately known
- ▲ Site
 - ⚡ Pit, active or inactive
 - ⦶ Sand and gravel, buried
 - * unit not occurring on this map

- a Thick (> 1.5 m) and/or continuous
- b Thin (< 1.5 m) and/or discontinuous



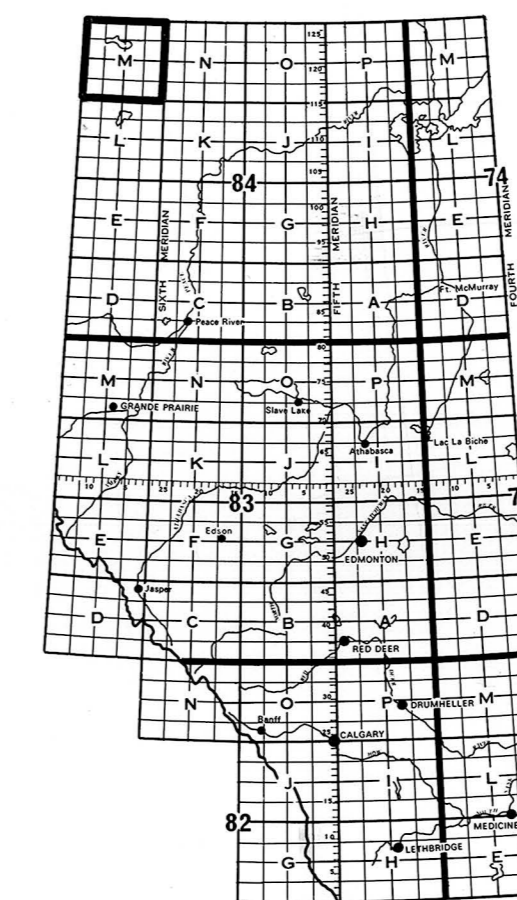
Ternary diagram (after Wentworth and the Unified Soil Classification System)

Published sources of information

- Bayrock, L.A. (1961): Surficial geology, Appendix: in Exploratory soil survey of Alberta map sheets 84M, 84N and 84O; Alberta Research Council, Preliminary Soil Survey Report 61-1, pp. 37-40.
- Borneuf, D. and B. Pretula (1980): Hydrogeology of the Zama-Bistcho Lakes area, Alberta; Alberta Research Council, Earth Sciences Report 80-3, 7 p.
- Lindsay, J.D., S. Pawluk and W. Odynsky (1961): Exploratory soil survey of Alberta map sheets 84M, 84N and 84O; Alberta Research Council, Preliminary Soil Survey Report 61-1, 43 p.
- Matthews, W.H. (198): Retreat of the last ice sheets in northeastern British Columbia and adjacent Alberta; Bulletin 331, Geological Survey of Canada, 22 p.
- Pawluk, S. and L.A. Bayrock (1969): Some characteristics and physical properties of Alberta tills; Alberta Research Council, Bulletin 26, 72 p.

Other sources of information

- Aerial photographs, 1978. AS 1931, Alberta Energy and Natural Resources



Aggregate Resources

84M Bistcho Lake 1:250,000

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Field assistant: I. Redwood
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This sand and gravel resource map was prepared by the Alberta Geological Survey as part of an ongoing aggregate inventory of Alberta. This information shown on this map is intended for general land-use planning, land management and aggregate exploration until such time as more detailed maps or reports are available for the area.
Cartography by Alberta Research Council

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