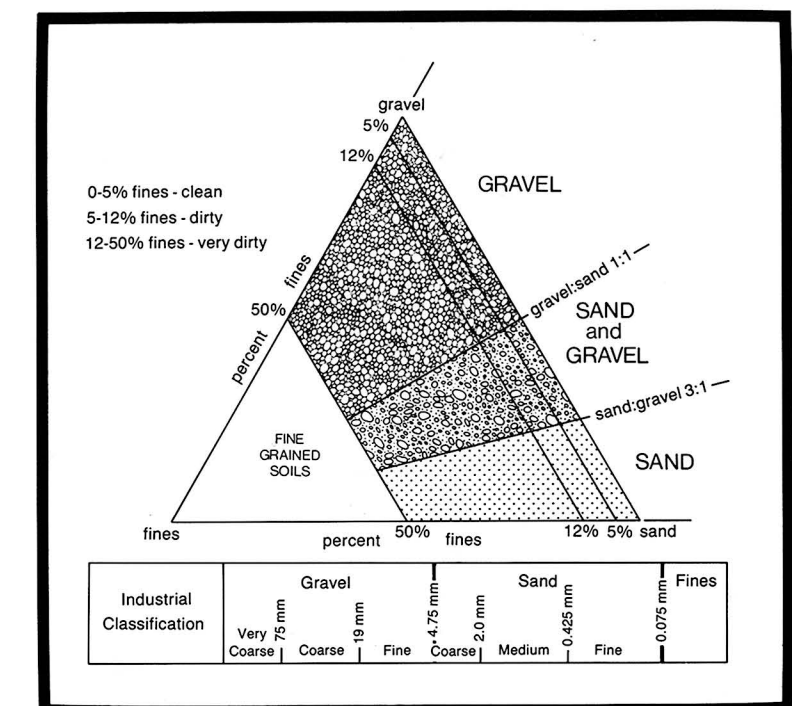


This reconnaissance-level, aggregate potential map is derived from published information, aerial photograph interpretation and limited field checking. As such, deposit outlines are assumed and material descriptions are either assumed or approximate. The sources of information used to produce this map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

- 1 Gravel, coarse, clean
 - 2 Gravel, coarse, dirty
 - 3 Sand and gravel, clean
 - 4 Sand and gravel, clean to dirty
 - 5 Sand and gravel, dirty to very dirty
 - 6 Sand, very coarse to medium grained, clean
 - 7 Sand, very coarse to medium grained, dirty
 - 8 Sand, fine grained, clean
 - 9 Sand and gravel; thin, discontinuous, or inadequately known
- ▲ Pocket of sand and/or gravel
 - ⊗ Pit, active or inactive
 - Sample site
 - ▨ Sand and gravel, buried
- a Thick (>1.5 m) and/or continuous
b Thin (<1.5 m) and/or discontinuous

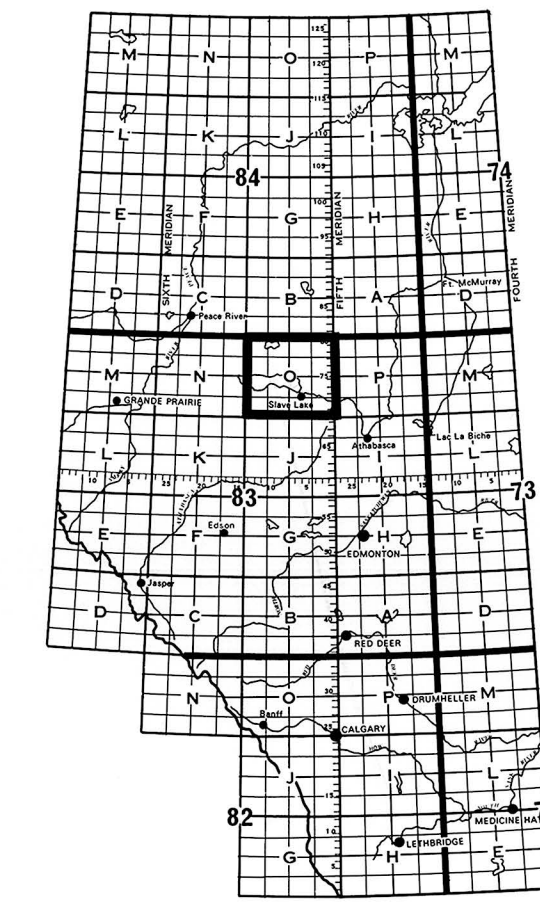


Published sources of information

- Cercoi, W. (1979): Hydrogeology of the Peerless Lake area, Alberta; Earth Science Report 79-5; Edmonton: Alberta Research Council.
- Greenlee, G.M. (1973): Soil survey of Lesser Slave Lake Provincial Park and interpretation for recreational use; Open File Report 1973-12; Edmonton: Alberta Research Council.
- Greenlee, G.M. and Howitt, R.W. (1983): Soil survey of Lesser Slave Lake Provincial Park and interpretation for recreational use; Open File Report 1983-08; Edmonton: Alberta Research Council.
- Hamilton, W.N. (1975): Sand and gravel and peat moss development possibilities for northern Alberta; Open File Report 1975-25; Edmonton: Alberta Research Council.
- Lindsay, J.D., Heringa, P.K., Pawluk, S. and Odynsky, W. (1957): Exploratory soil survey of Alberta map sheets 84-C (east half), 84-B, 84-A, and 74-D; Preliminary Soil Survey Report 58-1; Edmonton: Alberta Research Council.
- Lindsay, J.D. and Odynsky, W. (1965): Permafrost in organic soils of northern Alberta; Canadian Journal of Soil Science, v.45, pp.265-269.
- MacMillan, R.A. and Greenlee, G.M. (1977): Soil survey of Hilliard's Bay area on the northern shore of Lesser Slave Lake and interpretation for recreational use; Alberta Institute of Pedology, Number M-77-2.
- Pettipiece, W. (1984): Physiographic map of Alberta; Agriculture Canada. Unpublished.
- Sharp-Schurtz, Co. (1948): Silica sand, analysis of Peace River sandstone and Slave Lake beach sand, 84/DNE and 830; Economic Mineral File SSD-IR-07, Edmonton: Alberta Research Council.
- Vogwill, R.I.J. (1977): Hydrogeology of the Lesser Slave Lake area, Alberta; Report 77-1; Edmonton: Alberta Research Council.
- Wall, W.A. and Kinck, R.W. (1947): Silica sand beneficiation tests to improve the percentage of silica in sand samples from the Peace River district and Lesser Slave Lake; Economic Mineral File SSD-IR-06, Edmonton: Alberta Research Council.
- Wynnyk, A., Lindsay, J.D., Heringa, P.K. and Odynsky, W. (1983): Exploratory soil survey of Alberta map sheets 83-O, 83-P, and 73-M; Preliminary Soil Survey Report 84-1; Edmonton: Alberta Research Council.

Other sources of information

- Aerial photographs, 1963-84, AS2770, AS2790-2791, and AS3056-3058, Alberta Energy and Natural Resources.

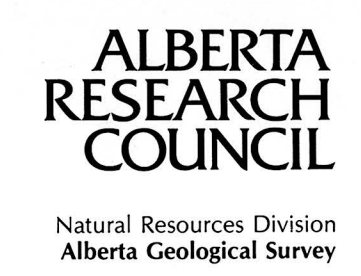


Aggregate Resources

830 Lesser Slave Lake 1:250,000

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Open file report 1985-5

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



830 CFR 1986-5

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