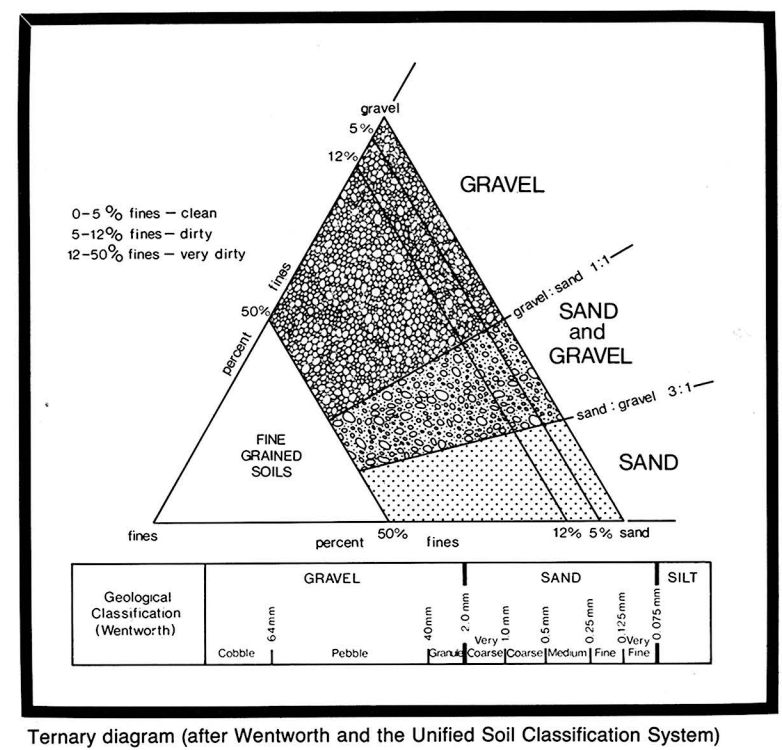


This reconnaissance-level, aggregate potential map is derived from published information, aerial photograph interpretation and limited field checking. As such, deposit outlines are assumed and material descriptions are either assumed or approximate. The sources of information used to produce this map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



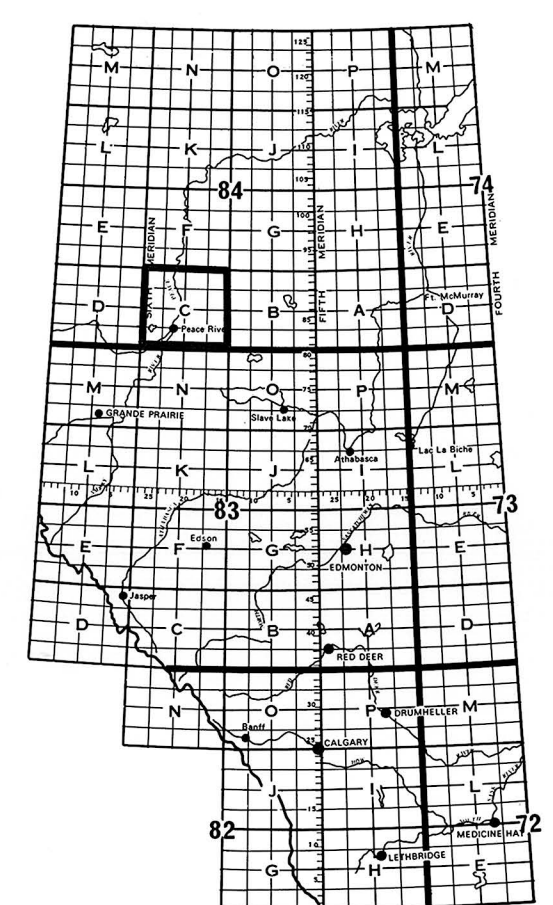
- a Thick (> 1.5 m) and/or continuous
- b Thin (< 1.5 m) and/or discontinuous

Published sources of information

1. Borneuf, D. (1981): Hydrogeology of the Peace River Area, Alberta; Alberta Research Council, Earth Science Report 81-2.
2. Jones, J.F. (1962): Water well records, Peace River district, Alberta; Alberta Research Council, Preliminary Report 62-3, 34 p.
3. Jones, J.F. (1966): Geology and groundwater resources of the Peace River district, Northwestern Alberta; Alberta Research Council, Bulletin 16, map 28, 142 p.
4. Lindsay, J.D., P.K. Heringa, S. Pawluk and W. Odynsky (1958): Exploratory soil survey of Alberta map sheets 84C (east half), 84B, 84A, and 74D; Alberta Research Council, Preliminary Soil Survey Report 58-1, 36 p.
5. Lorberg, E., et al. (1981): Groundwater Resources Peace River Basin and northern Alberta; Alberta Environment.
6. Matthews, W.H. (1980): Retreat of the last ice sheets in northeastern British Columbia and adjacent Alberta; Bulletin 331, Geological Survey of Canada, 22 p.
7. Pawluk, S. and L.A. Bayrock (1969): Some characteristics and physical properties of Alberta tills; Alberta Research Council, Bulletin 26, 72 p.
8. Scheelar, M.D. and W. Odynsky (1968): Reconnaissance soil survey of the Grimshaw and Notikewin area; Alberta Research Council, Report No. 88, 80 p.
9. Shaw, J. and R. Kellerhals (1982): The composition of recent alluvial gravels in Alberta river beds; Alberta Research Council, Bulletin 41.
10. Tokarsky, O. (1967): Geology and groundwater resources of Grimshaw-Cardinal Lake area, Alberta; Unpublished M.Sc. thesis, University of Alberta, Edmonton, 178 p.
11. Tokarsky, O. (1971): Hydrogeology of the Grimshaw-Chinook Valley area, Alberta; Alberta Research Council, Report 71-2.

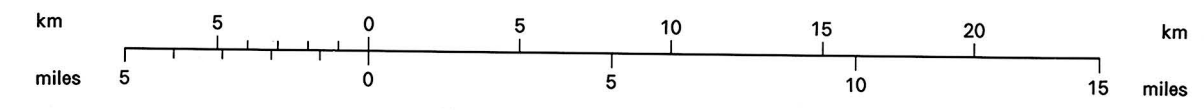
Other sources of information

1. Aerial photographs, 1980, AS 2162-2164, 2186-2163 Alberta Energy and Natural Resources.



84C OFR 1985-11
fig.

Alberta
ENERGY AND
NATURAL RESOURCES
SCALE 1 : 250 000



PRODUCED BY THE ALBERTA BUREAU
OF SURVEYING AND MAPPING © COPYRIGHT 1981

Aggregate Resources

84C Peace River 1:250,000
R.J.H. Richardson and P. Sham
Field assistants: I. Redwood and D. Bosman
Published 1985
Geology and compilation 1984
Open file report 1985-11
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

**ALBERTA
RESEARCH
COUNCIL**

Natural Resources Division
Alberta Geological Survey