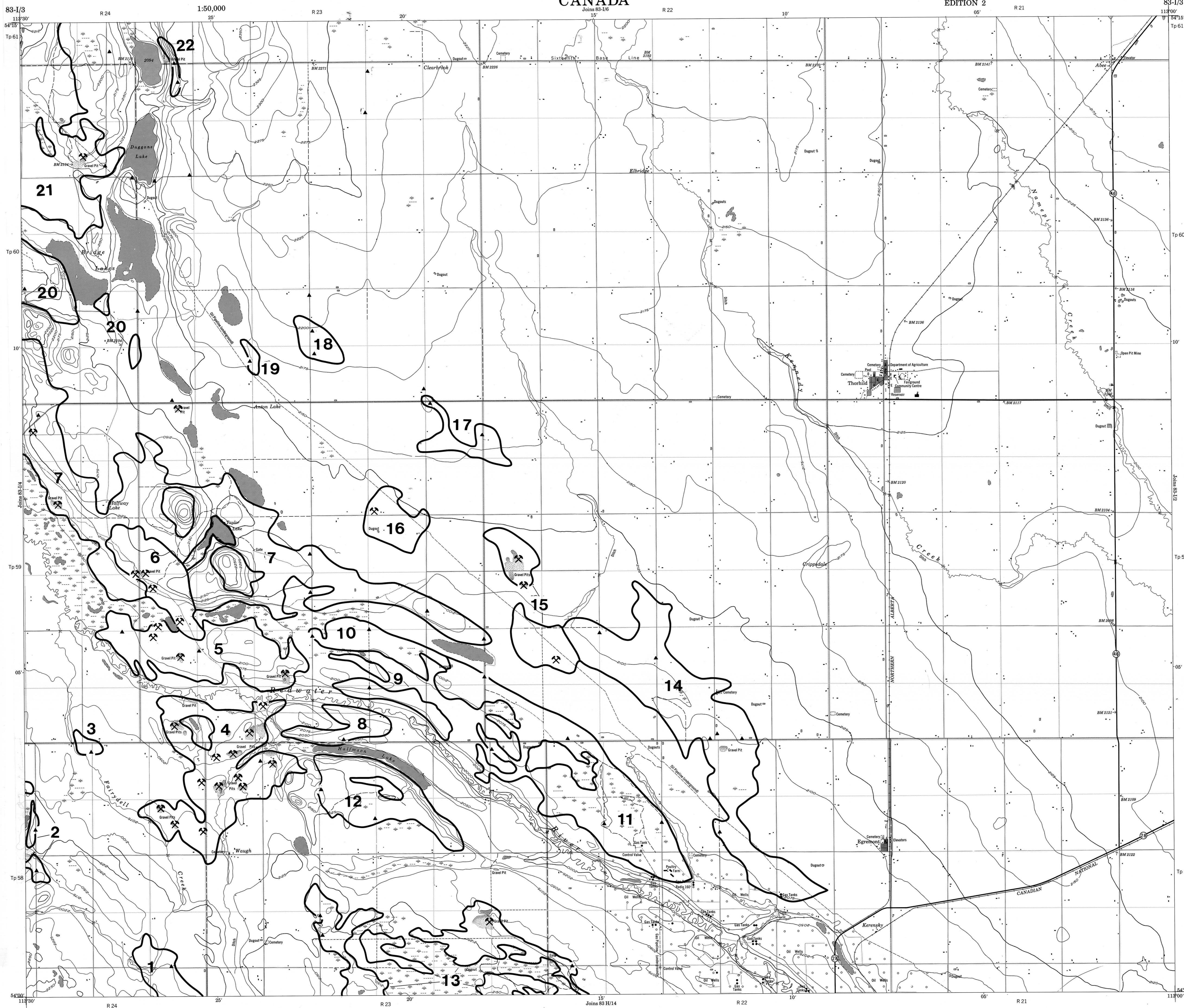


CANADA

EDITION 2

83-1/3



GENERAL COMMENTS

DEPOSIT CHARACTERISTICS

Table with 12 columns: Deposit Number, Material Description, Reserves (1000 m³) Gravel/Sand, Additional Comments, Texture (% Gravel/Sand/Fines), (% Wear), Overburden Thickness (m), Deposit Thickness (m), Deposit Area (ha), Deposit Genesis, and Additional Comments. It lists 22 deposit areas with their respective characteristics and reserves.

Deposit Number - Granular deposits shown on this map may have commercial possibilities. That assumption followed from two criteria used in the mapping process...

Material Description - Sand and gravel has a variety of applications, such as concrete for construction, asphalt concrete, subbase and base course aggregate for roads...

Reserves - The method of calculating in cubic metres the aggregate reserves of deposits took four basic steps. First, the area, in hectares, of each deposit was determined using aerial photographs...

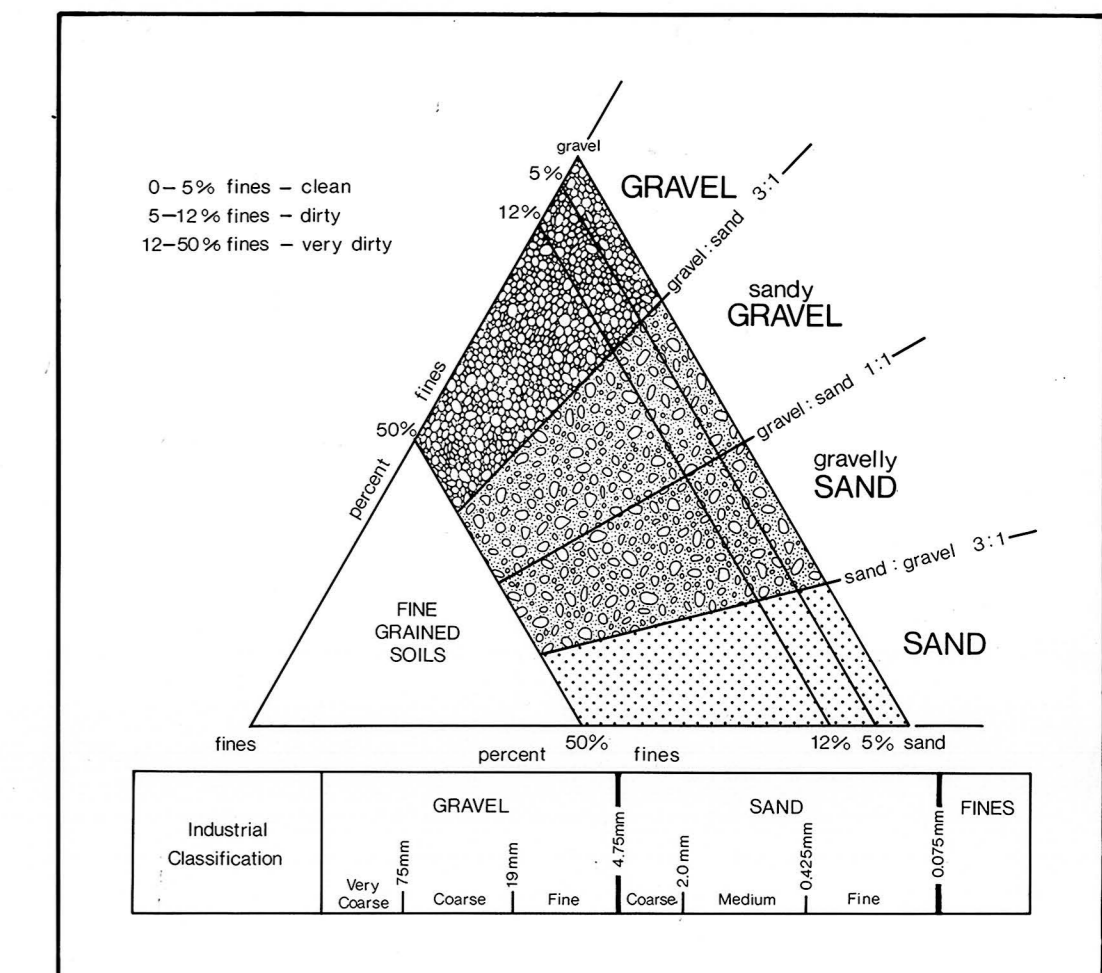
Texture - The texture of the sediment refers to the percentage of particles of various sizes. For mineral aggregate, the most important fractions are the gravel and sand...

Wear - The resistance of gravel-size clasts to wear or abrasion can be measured in a laboratory test (ASTM-C131, Los Angeles Abrasion Testing). The amount of material that breaks down into smaller sizes is measured and related to the original sample weight in terms of percent wear...

Overburden Thickness - The thickness of non-economic material, or overburden, covering a deposit, sometimes is a limiting factor in the exploitation of an aggregate deposit...

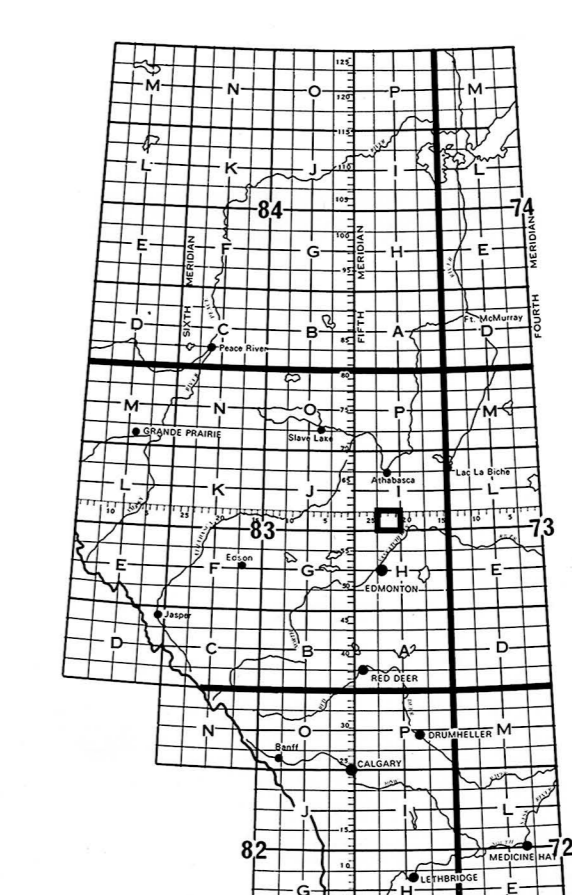
Deposit Area - Deposits in this study were delineated by interpretation of aerial photographs and the contacts should be considered approximate. Information is precise only where test holes, or geological sections, are indicated.

Deposit Genesis - The genesis, or formation, of deposits is vital to the understanding of the gradational nature, extent and geometry of the deposit. This understanding forms the basis for extrapolation from a limited number of known points (test holes, pits, sections) and permits an overall assessment of the deposit.



Map Legend

- 3 Deposit number
Assumed boundary
Active or inactive pit
Alberta Geological Survey test hole
Sand or gravel exposure
Buried sand or Gravel deposit



Alberta Geological Survey

This is a sand and gravel resource map prepared by the Alberta Geological Survey as part of a series at a scale of 1:50,000. The series represents an ongoing aggregate inventory of Alberta which provides data for general land-use planning, land management or aggregate exploration...

References:
Geology and compilation by K.G. Steele, 1982. Additional information from S.H. Richard, 1979.

AGGREGATE RESOURCES

THORHILD 831/3

Printed by the SURVEY AND MAPPING BRANCH, DEPARTMENT OF ENERGY, MINES AND RESOURCES. Map is part of a series of photographs taken in 1983. Colour check 1975 Printed 1975.

Capas may be obtained from the Canada Map Office, Department of Energy, Mines and Resources, Ottawa, or nearest map dealer.

Scale 1:50,000 Echelle
WEST OF FOURTH MERIDIAN-OUEST DU QUATRIEME MERIDIEN

This Preliminary Map is equivalent to a standard map in accuracy of content.

Cette carte préliminaire équivaut à une carte régulière en ce qui concerne la précision de son contenu.

Scale 1:50,000 Echelle

Scale 1:50,000 Echelle