

**FEATURES LEGEND**

Site investigated	△
Drillhole	○
Deposit Type	GRAVEL sandy GRAVEL gravelly SAND SAND
clean	[Red] [Orange] [Light Green] [Blue]
dirty/very dirty	[Pink] [Yellow] [Light Green] [Cyan]
unknown	[Light Grey] [Yellow] [Light Green] [Light Blue]
UNKNOWN deposit type	[Dark Grey]

**Deposit Type Definitions:**

GRAVEL deposit: contains greater than 75% gravel.  
 sandy GRAVEL deposit: contains 50% to 75% gravel.  
 gravelly SAND deposit: contains 25% to 50% gravel.  
 SAND deposit: contains less than 25% gravel.  
 UNKNOWN deposit: amount of gravel unknown.

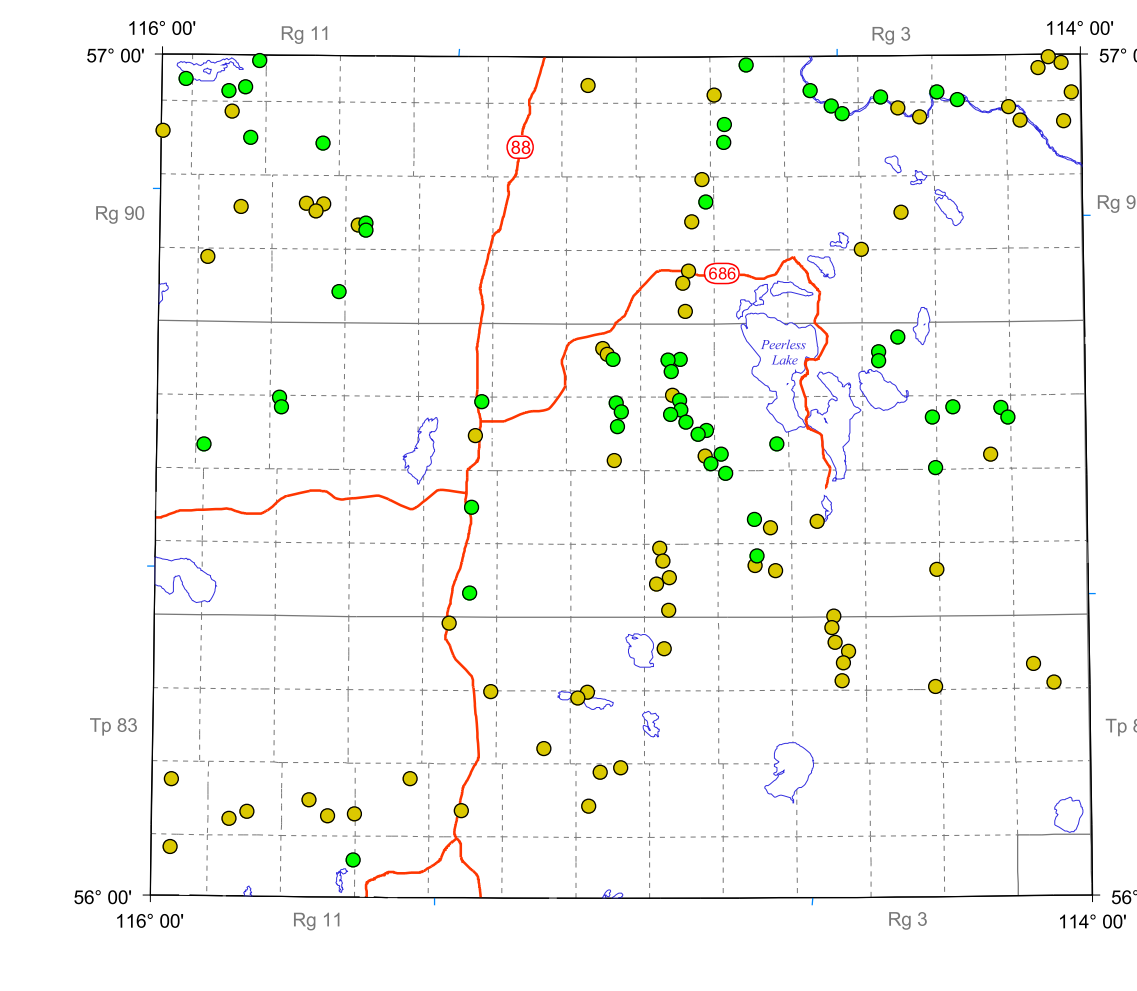
clean deposit: contains less than 3% silt and clay.  
 dirty deposit: contains 3% to 10% silt and clay.  
 very dirty deposit: contains greater than 10% silt and clay.  
 unknown: contains unknown percentage of mixed silt and clay.

**BASE MAP LEGEND**

River and lake	[Blue line]
River - intermittent	[Dashed blue line]
Road - paved	[Red line]
Road - gravel	[Orange line]
Road - unimproved	[Dashed orange line]
Railway line	[Black line with cross-ticks]
Trail	[Dashed black line]
Park boundary - provincial/national	[Green line]
City/town	[Grey area]
Metis settlement	[Purple area]
Indian reserve	[Pink area]
Township/range - surveyed	[Dashed black line]
Township/range - unsurveyed	[Dotted black line]
UTM, zone 11 grid	[Blue crosshair]

This is a common map legend. Not all units may be present on this map.

**Study Level**



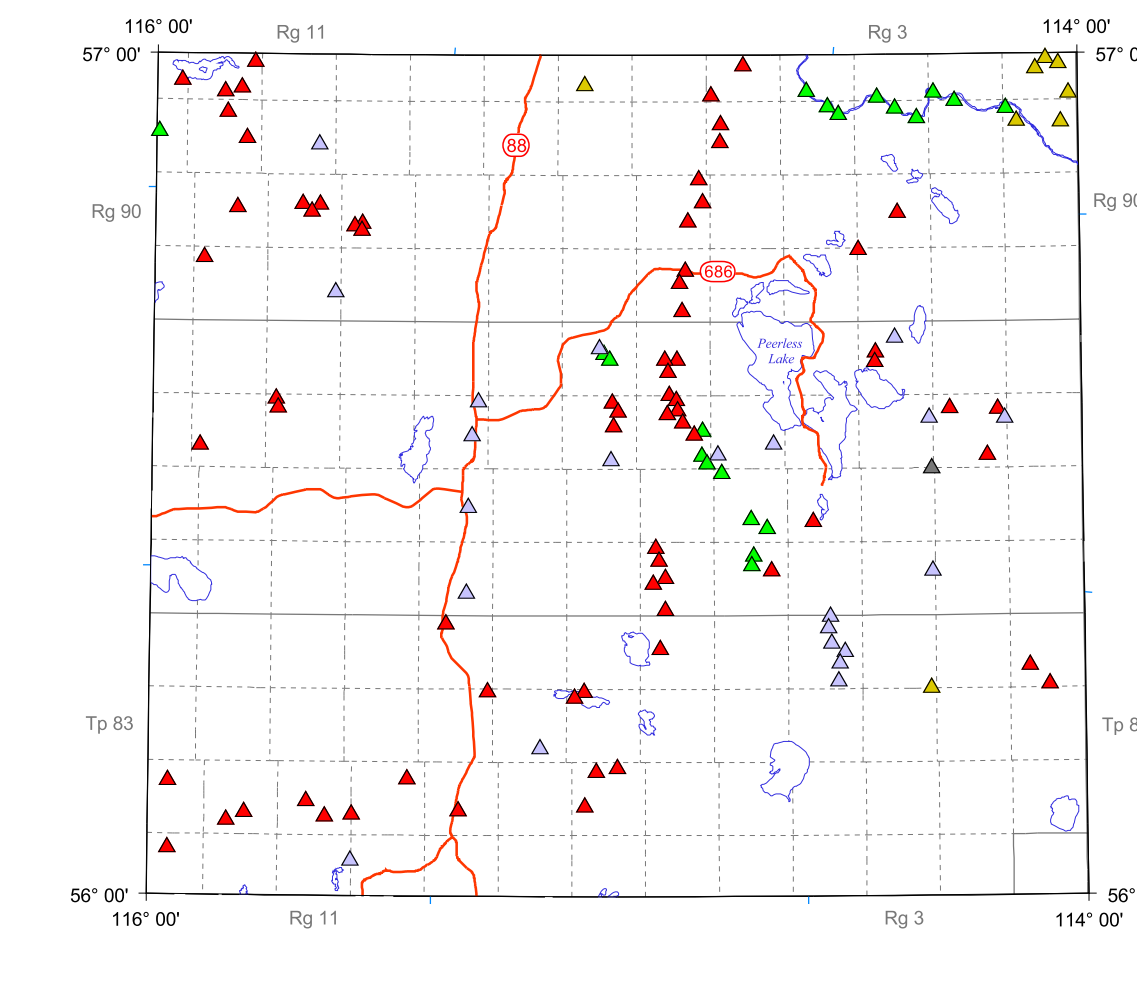
**Study Level Definitions:**

Level 1 Aggregate reserves confirmed by grid testing and sampling.  
 Level 2 Aggregate resources confirmed by multiple test holes and sampling.  
 Level 3 Sand and/or gravel confirmed by Alberta Geological Survey site investigation and limited sampling and testing.  
 Level 4 Sand and/or gravel areas assumed by Alberta Geological Survey investigation of associated sites, remote sensing and other sources of information.  
 Level 5 Potential sand and/or gravel areas identified from remote sensing and other sources of information without Alberta Geological Survey site investigation.

**References:**

- Fox, J.C. and Richardson, R.J. (1984): Red Earth area aggregate search; Alberta Research Council, OFR 1984-35, 5 p.
- Fox, J.C., Richardson, R.J.H. and Sham, P.C. (1987): Aggregate resource potential by geological ranking and reserve estimates, Peace River-High Level area, Alberta; Alberta Research Council, Map 210, scale 1:500 000.
- Richardson, R.J.H. and Sham, P. (1985): Aggregate resources of the Peace River map area, NTS 84C; Alberta Research Council, Map A84C, scale 1:250 000.
- Scafe, D.W. and Sham, P.C. (1986): Sand and gravel resources of the Peerless Lake (south half of 84B) and Lesser Slave Lake (north half of 83O) map areas, Alberta; Alberta Research Council, OFR 1986-05, 26 p.
- Scafe, D.W., Ray, C.M. and Sham, P.C. (1987): Sand and gravel resources of the Peerless Lake (north half of 84B) map area, Alberta; Alberta Research Council, OFR 1987-01, 44 p.

**Genesis or Geological Feature**



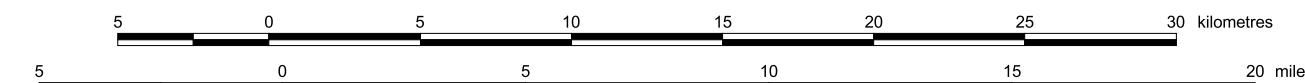
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**Map 302**

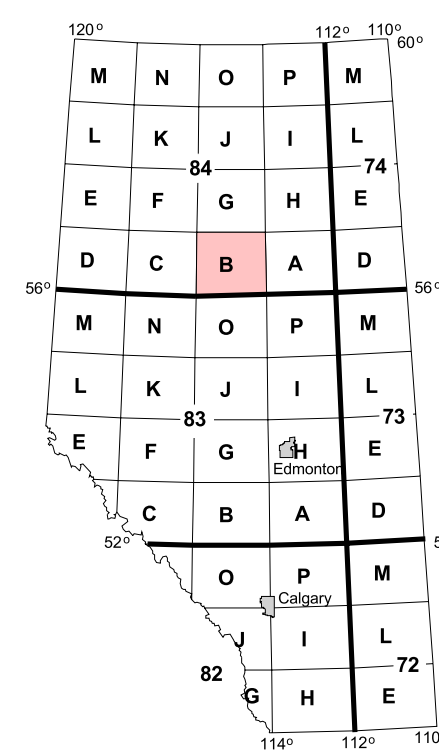
**Sand and Gravel Deposits with Aggregate Potential  
Peerless Lake, Alberta (NTS 84B)**

Geology compiled by: W.A.D. Edwards, H.D. Budney, T. Berezniuk and M.J. Cadrin

Scale 1:250 000



Projection: Universal Transverse Mercator, Zone 11  
 Datum: North American Datum, 1983



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GIS/Database Cartography by:  
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 and N.L. Blundon

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