

FEATURES LEGEND

Site Investigated	△
Drillhole	○
Deposit Type	
clean	GRAVEL (Red)
dirty/ very dirty	sandy GRAVEL (Orange)
unknown	gravelly SAND (Yellow)
UNKNOWN deposit type	SAND (Blue)

Deposit Type Definitions:

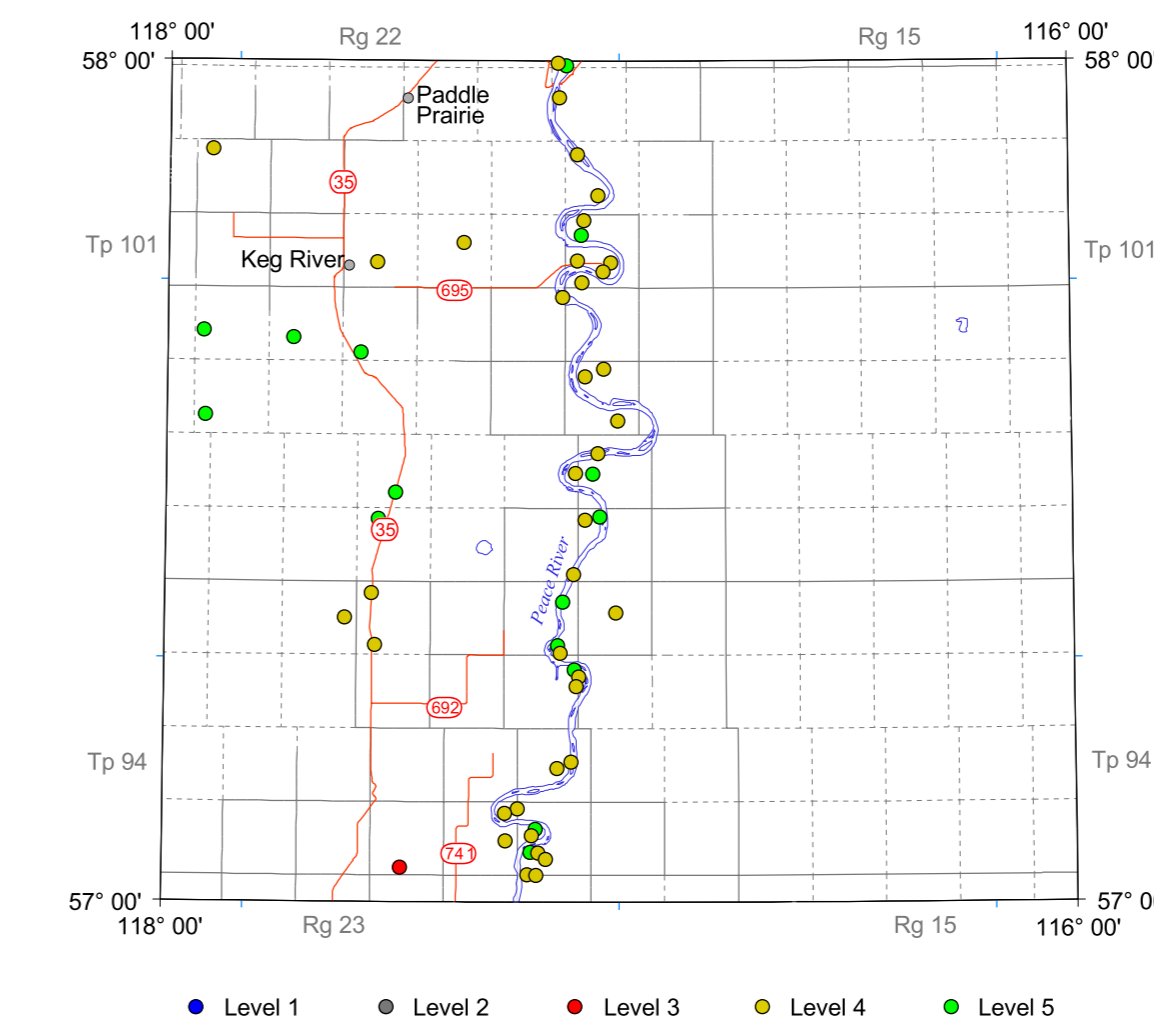
GRAVEL deposit: contains greater than 75% gravel.
 sandy GRAVEL deposit: contains 50% to 75% gravel.
 gravelly SAND deposit: contains 25% to 50% gravel.
 SAND deposit: contains less than 25% gravel.
 UNKNOWN deposit: amount of gravel unknown.
 clean deposit: contains less than 3% silt and clay.
 dirty 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	—
River - intermittent	—
Road - paved	—
Road - gravel	—
Road - unimproved	—
Railway line	—
Trail	—
Park boundary - provincial/national	—
City/town	—
Metis settlement	—
Indian reserve	—
Township/range - surveyed	—
Township/range - unsurveyed	—
UTM, zone 11 grid	+

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

Study Level



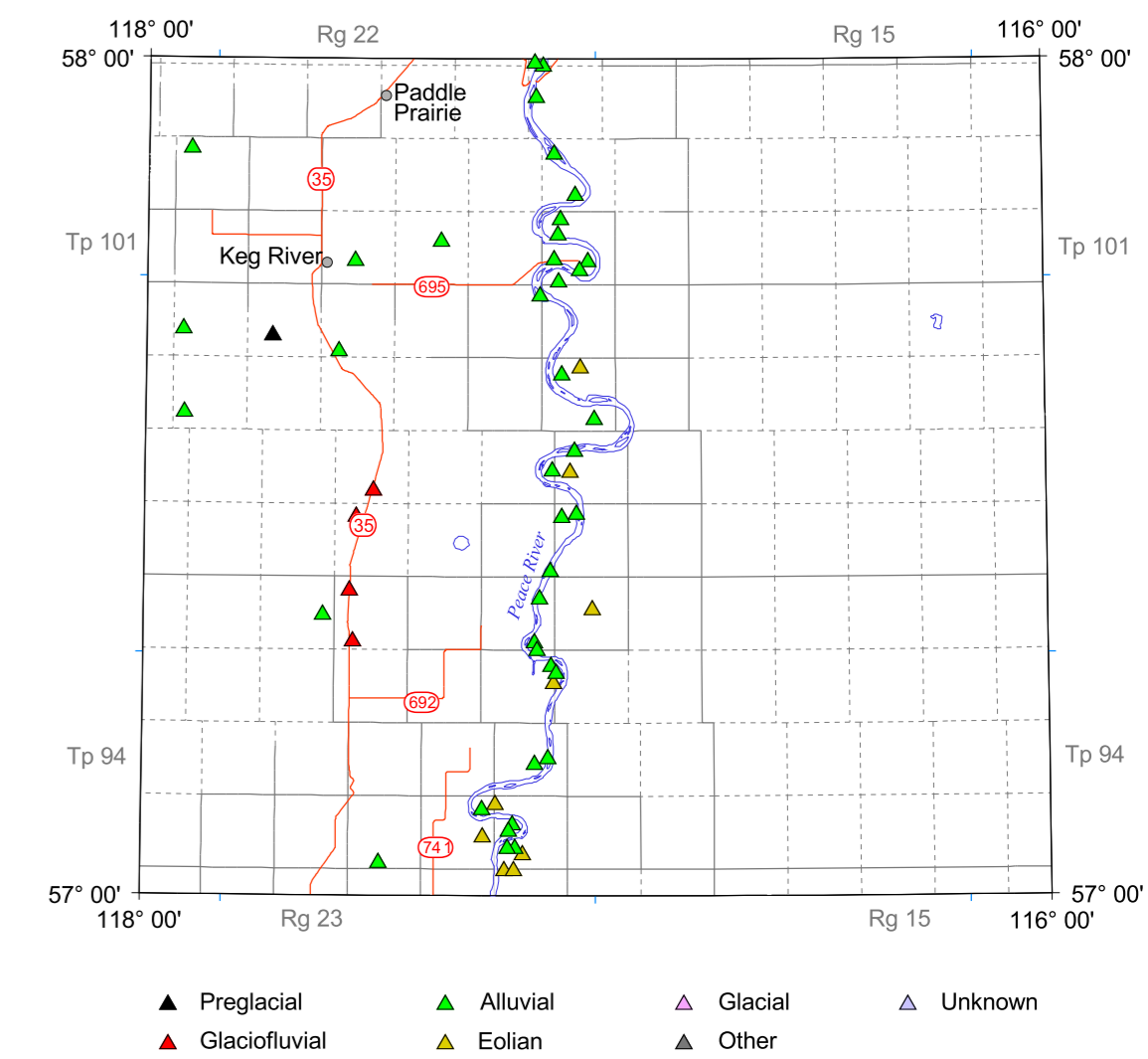
Study Level Definitions:

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. (1985): Aggregate resources of the Bison Lake map area, NTS 84F; Alberta Research Council, Map A84F, scale 1:250 000.
- Fox, J.C. (1985): Aggregate resources of the Mount Watt map area, NTS 84K; Alberta Research Council, Map A84K, scale 1:250 000.
- 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.
- Fox, J.C., Richardson, R.J.H., Gowan, R. and Sham, P.C. (1987): Surficial geology of the Peace River-High Level Area, Alberta; Alberta Research Council, Map 205, 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.

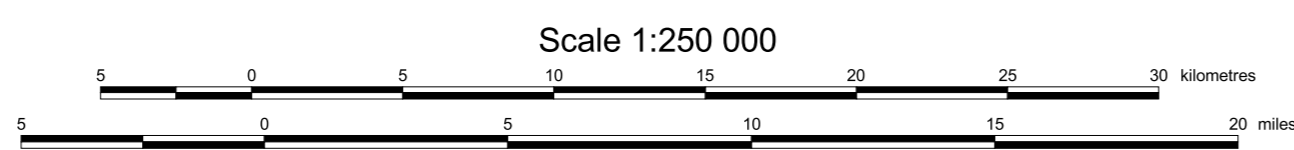
Genesis or Geological Feature



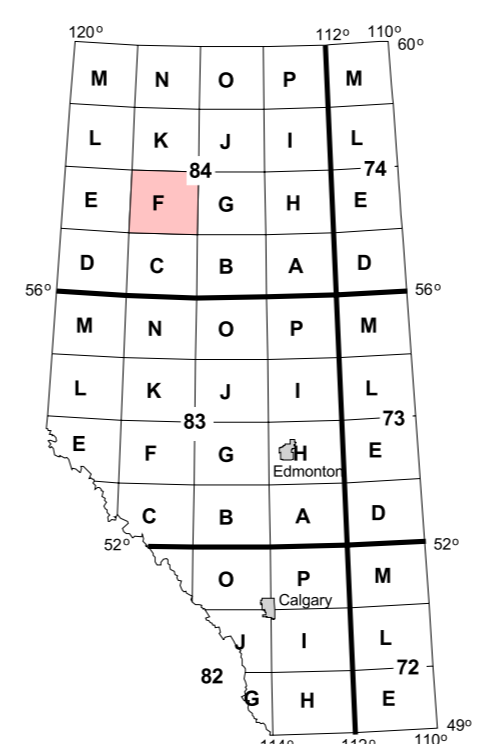
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 Information Sales
 Alberta Geological Survey
 Telephone: (780) 422-3767
 Web site: www.ags.gov.ab.ca

Map 305
Sand and Gravel Deposits with Aggregate Potential
Bison Lake, Alberta (NTS 84F)

Geology compiled by: W.A.D. Edwards, H.D. Budney, T. Berezniuk and L. Butkovic



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



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