

**FEATURES LEGEND**

Site investigated	△
Drillhole	○
<b>Deposit Type</b>	
clean	GRAVEL (Red), sandy GRAVEL (Orange), gravelly SAND (Green), SAND (Blue)
dirty/very dirty	(Pink), (Yellow), (Light Green), (Cyan)
unknown	(Light Pink), (Light Yellow), (Light Green), (Light Blue)
UNKNOWN deposit type	(Grey)

**Deposit Type Definitions:**

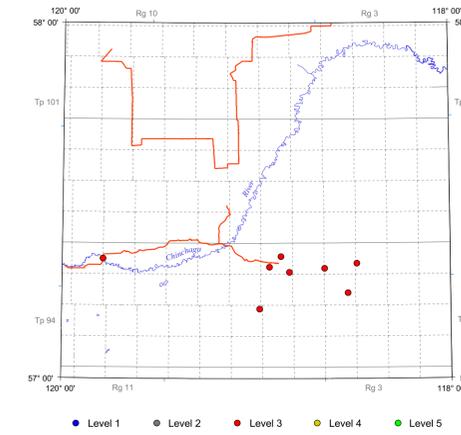
GRAVEL deposit: contains greater than 75% gravel.  
 sandy GRAVEL deposit: contains 50% to 75% gravel.  
 gravelly SAND deposit: contains 25% to 50% gravel.  
 SAND deposit: contains less than 25% gravel.  
 UNKNOWN deposit: amount of gravel unknown.  
 clean deposit: contains less than 3% silt and clay.  
 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 dashed line)
City/town	(Grey area)
Metis settlement	(Purple area)
Indian reserve	(Pink area)
Township/range - surveyed	(Solid line)
Township/range - unsurveyed	(Dashed line)
UTM, zone 11 grid	(Blue crosshair)

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

**Study Level**



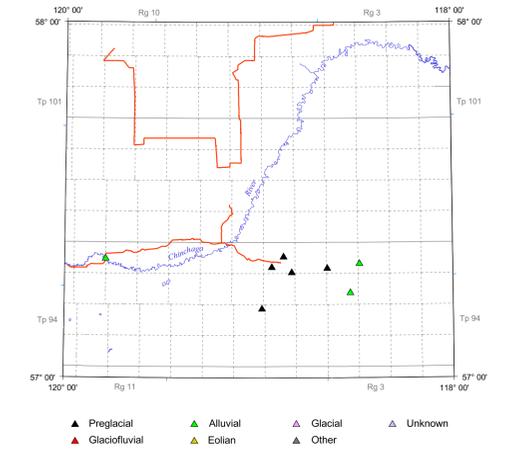
**Study Level Definitions:**

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:**

Edwards, W.A.D. and Scafe, D. (1996): Mapping and resource evaluation of the Tertiary and preglacial sand and gravel formations of Alberta; Alberta Energy and Utilities Board, EUB/AGS, OFR 1994-06, 241 p.  
 Scafe, D.W., Edwards, W.A.D. and Boisvert, D.R. (1988): Sand and gravel resources of the Chinchaga River map area, NTS 84E; Alberta Research Council, Map A84E, 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 304**  
**Sand and Gravel Deposits with Aggregate Potential**  
**Chinchaga River, Alberta (NTS 84E)**

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

Scale 1:250 000



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



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 and N.L. Blundon  
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