

FEATURES LEGEND

Site investigated	△			
Drillhole	○			
Deposit Type				
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:

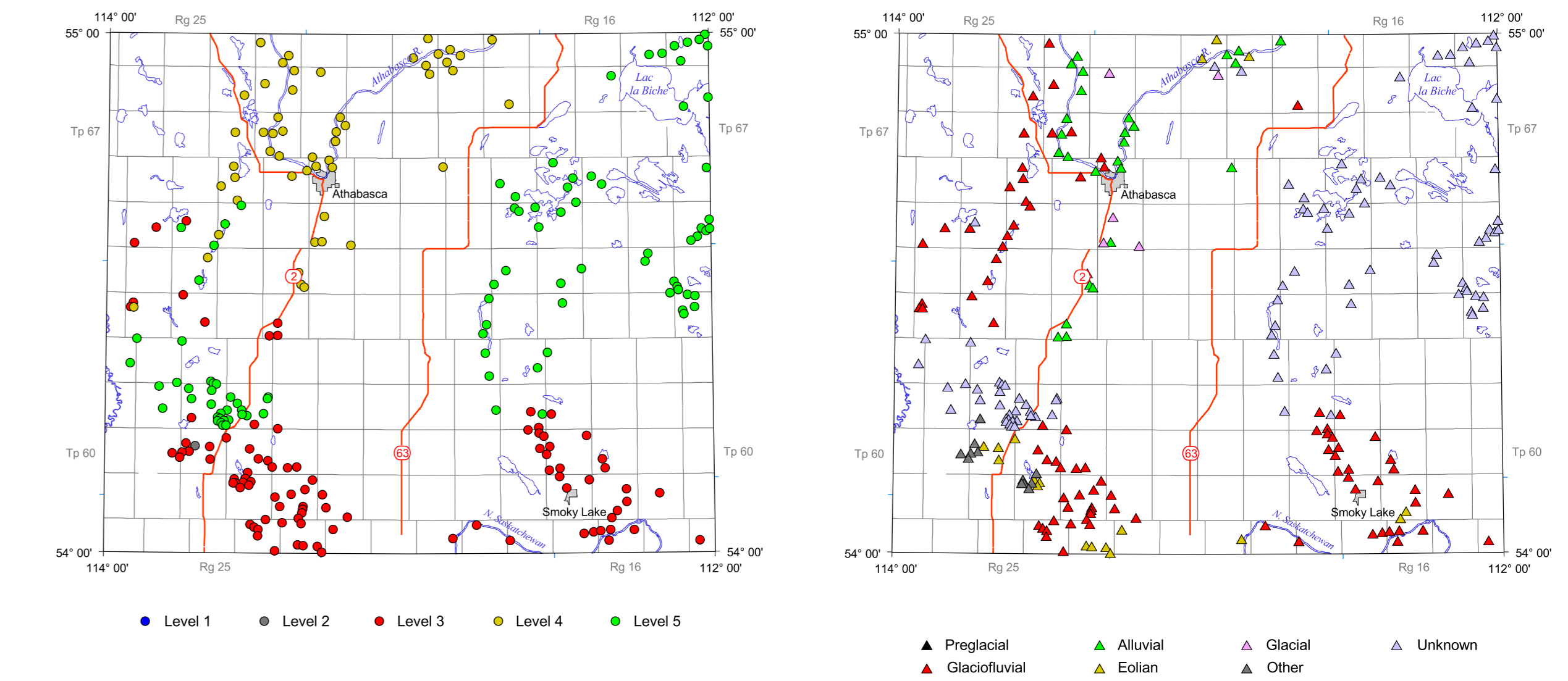
GRAVEL deposit: contains greater than 75% gravel.
 sandy GRAVEL deposit: contains 50% to 75% gravel.
 gravelly SAND deposit: contains 25% to 50% gravel.
 SAND deposit: contains less than 25% gravel.
 UNKNOWN deposit: amount of gravel unknown.

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	(Dotted black line)
Park boundary - provincial/national	(Green dashed line)
City/town	(Grey area)
Metis settlement	(Purple area)
Indian reserve	(Pink area)
Township/range - surveyed	(Dashed red line)
Township/range - unsurveyed	(Dotted red line)
UTM, zone 12 grid	(Blue crosshair)

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



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 Richardson, R.J.H. (1982): Aggregate resources of the Tawatinaw map area, NTS 831; Alberta Research Council, Map A831, scale 1:250 000.

Edwards, W.A.D., Boisvert, D.R., Pawlowicz, J.G., Andriashek, L.D. and Fenton, M.M. (1991): Sand and gravel resources of the Athabasca area, Alberta (83P west and 83I northwest); Alberta Research Council, OFR 1991-22, 55 p.

Edwards, W.A.D., Hudson, R.B. and Scafe, D.W. (1985): Aggregate resources of the Edmonton/Lloydminster region; Alberta Research Council, Bulletin 47, 64 p.

Sham, P. (1981): Aggregate resources of the Hairy Hill map area, NTS 73E/13; Alberta Research Council, Map A73E13, scale 1:50 000.

Sham, P. (1981): Aggregate resources of the Smoky Lake map area, NTS 83I/01; Alberta Research Council, Map A83I01, scale 1:50 000.

Sham, P. (1981): Aggregate resources of the Willingdon map area, NTS 83H/16; Alberta Research Council, Map A83H16, scale 1:50 000.

Steele, K.G. (1982): Aggregate resources of the Thorhild map area, NTS 83I/03; Alberta Research Council, Map A83I03, scale 1:50 000.

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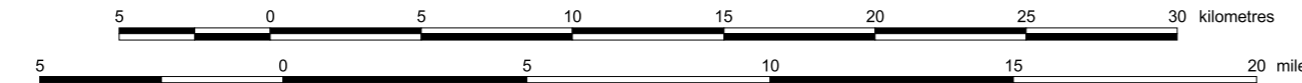
Steele, K.G. (1982): Aggregate resources of the Westlock map area, NTS 83I/04; Alberta Research Council, Map A83I04, scale 1:50 000.

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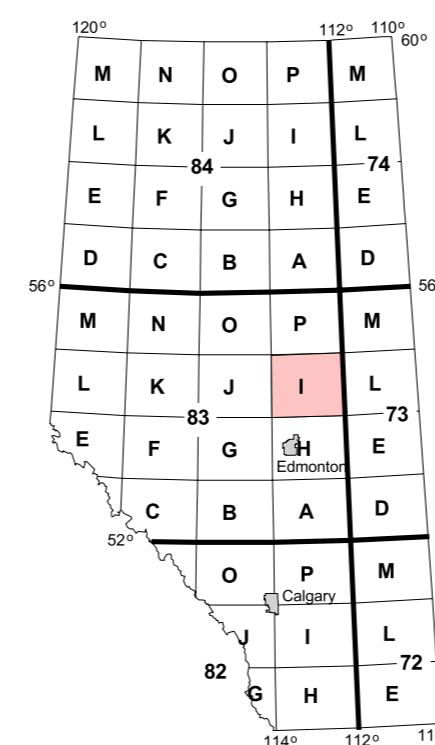
Map 298
Sand and Gravel Deposits with Aggregate Potential
Tawatinaw, Alberta (NTS 831)

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

Scale 1:250 000



Projection: Universal Transverse Mercator, Zone 12
 Datum: North American Datum, 1983



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