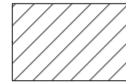




**Geology of the Hoidas Lake Area
(Part of NTS 740-13)
at 1:10 000 scale**
Preliminary Geological Map (2002)
by S.E. Harvey

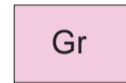
Catalogue Number 2002-4.2-4J


Legend

 **Mylonitic Zones:** variably developed mylonitic textures, characterized by grain-size reduction and recrystallization, unit attenuation, quartz ribboning, leucosome dismemberment, and a locally developed stretching lineation





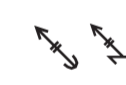




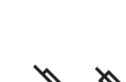
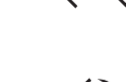
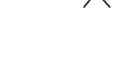

 **Di** **Late garnetiferous dioritic gneiss:** dark green to black, medium to coarse grained, homogeneous, massive to progressively foliated towards margins; contains up to 15% garnet; hornblende-plagioclase (An₄₃₋₆₀)-garnet ± biotite ± orthopyroxene

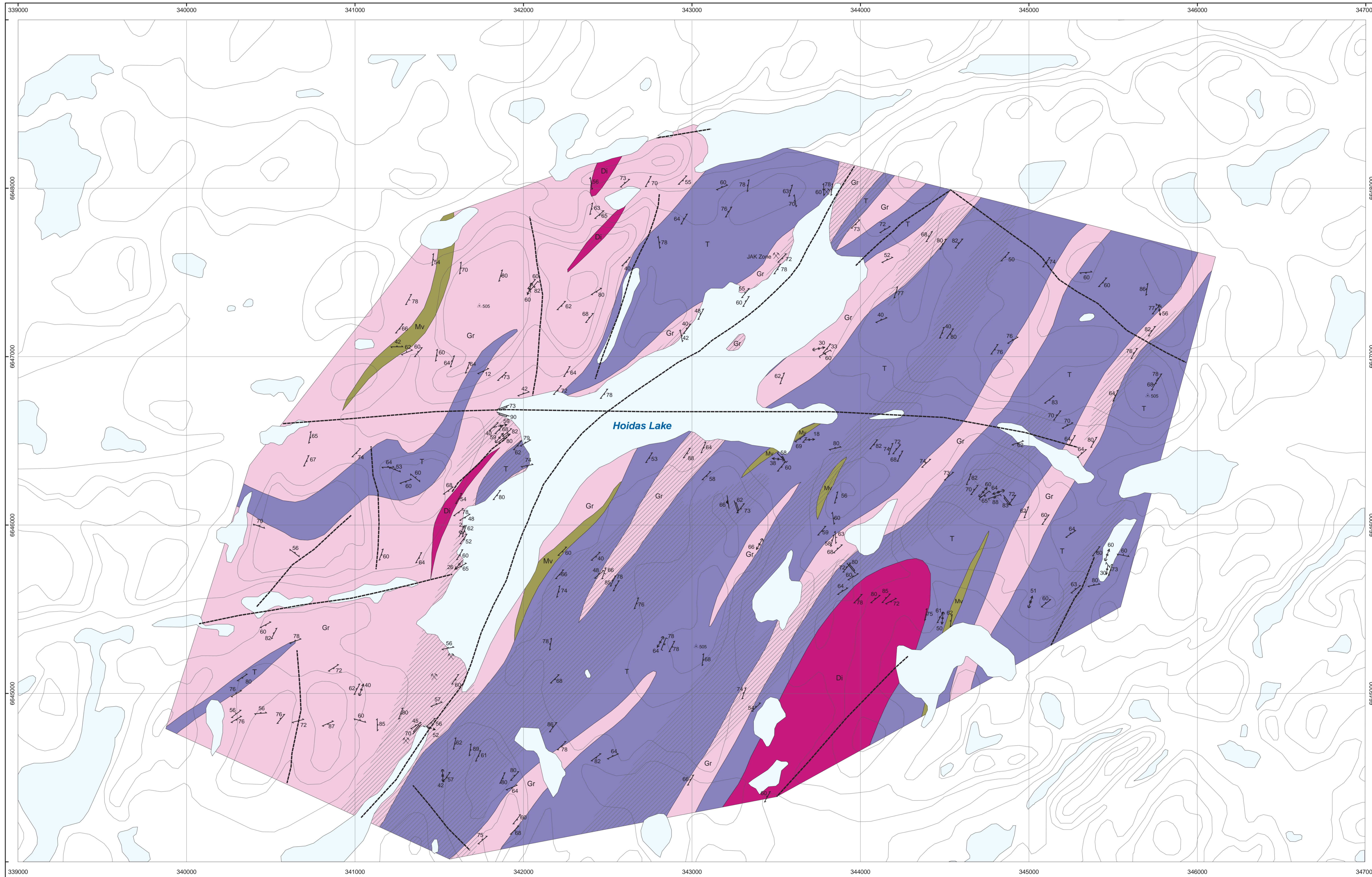
 **T** **Tonalitic gneiss:** grey to pink, medium to locally fine grained, homogeneous, gneissic to locally mylonitic, includes 10-30% amphibolitic schlieren, moderately to strongly magnetic; plagioclase-quartz-biotite ± potassium feldspar ± hornblende ± orthopyroxene ± clinopyroxene

 **Gr** **Granitic gneiss:** pink to red, medium to fine grained, weakly foliated to mylonitic, includes 5-50% amphibolitic schlieren, non to weakly magnetic; microcline-quartz-plagioclase ± biotite ± hornblende ± clinopyroxene

 **Mv** **Amphibolitic gneiss:** light to dark grey, fine to medium grained, variably layered; hornblende-plagioclase (An₄₈₋₆₀) ± biotite (chlorite) ± clinopyroxene

Symbols

-  Geological contact
-  Fault
-  Foliation (inclined): S1, S2
-  Axial plane (inclined): F2, F3
-  Fold axis (F2): symmetry unknown, z-fold
-  Fold axis (F3): symmetry unknown
-  Lineation (S2): unknown type, stretching
-  Slickenside
-  Small brittle fault
-  Fracture: inclined, vertical
-  REE showing
-  △ 505 Elevation point (approximate, metres)
-  Contour line (contour interval 15 metres)



Project M.134 of 2002, Database No. 0231.

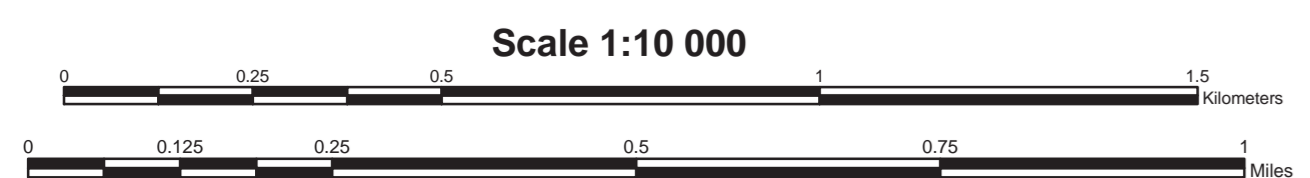
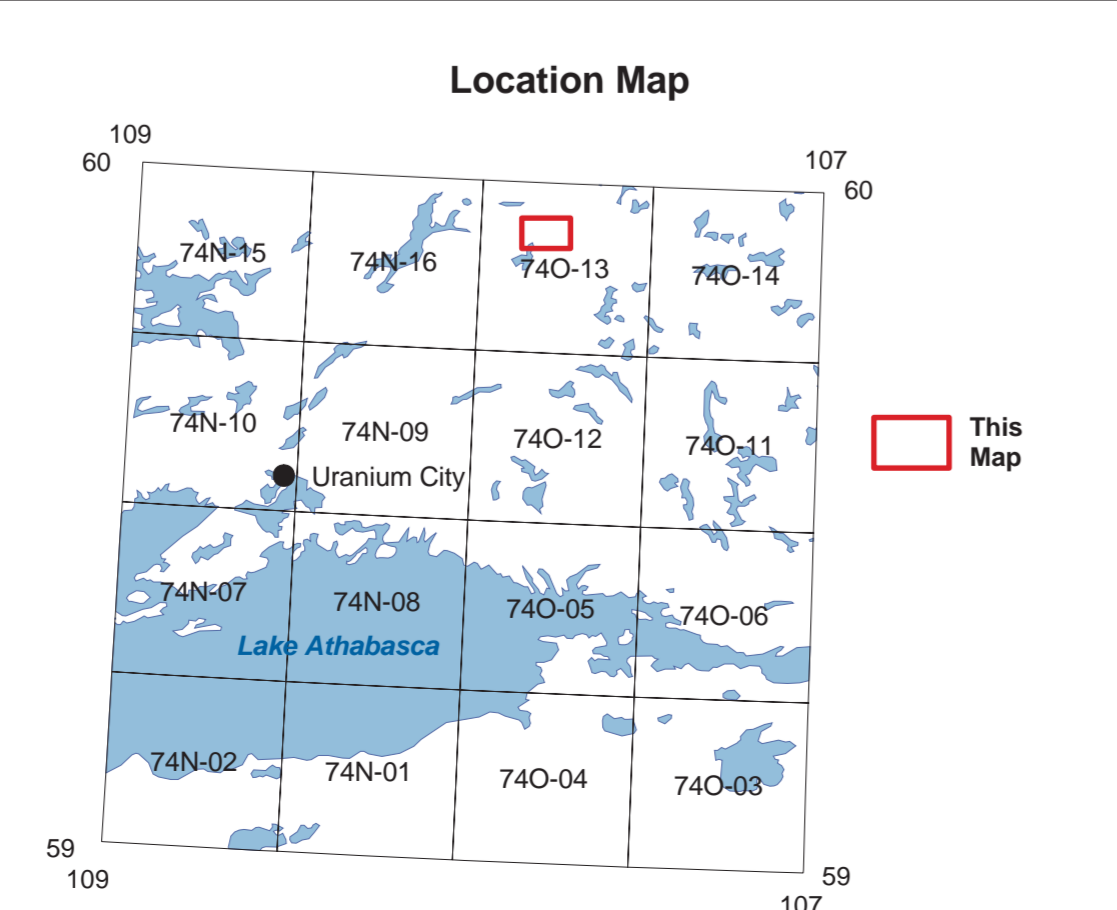
The area was mapped by Shawn Harvey, in the summer of 2002, with the assistance of Mark Urban.

This map was printed from the geologist's digital file. Geological data were processed using Pandragon Forms, Microsoft Access, and ArcView 3.2 software. Base map was compiled from 1:50 000 scale digital topographic maps licensed from Saskatchewan Information Services Corporation. UTM coordinates are NAD82 zone 13. The map was processed overall using ArcView 8.2 software.

The map is issued in a package with the Summary of Investigations 2002 Volume 2, Saskatchewan Geological Survey, and is available separately.

This map accompanies the following publication:
Harvey, S.E., Young, I., and Billingsley, G. (2002): Geology of the Hoidas Lake area, Ena Domain, northwestern Saskatchewan; in Summary of Investigations 2002 Volume 2, Saskatchewan Geological Survey, Sask. Industry and Resources, Misc. Rep. 2002-4.2.

This map may be referenced as:
Harvey, S.E. (2002): Geology of the Hoidas Lake area (Part of NTS 740-13); 1:10 000 scale map with Summary of Investigations 2002 Volume 2, Saskatchewan Geological Survey, Sask. Industry and Resources, Misc. Rep. 2002-4.2.



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