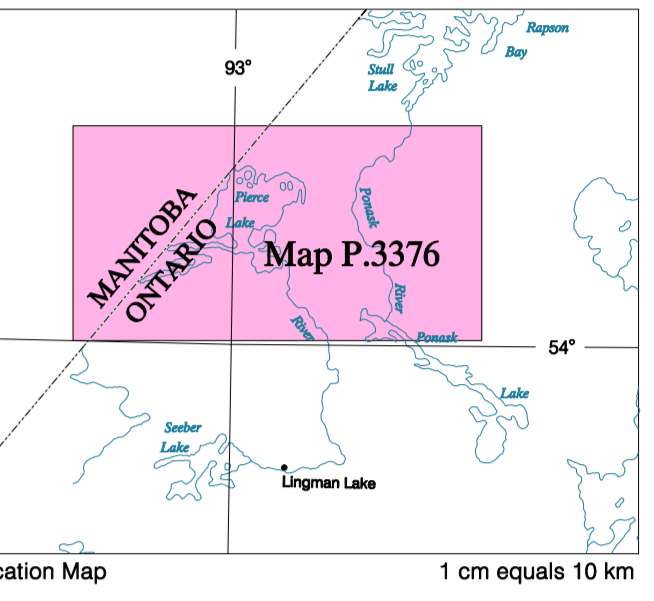
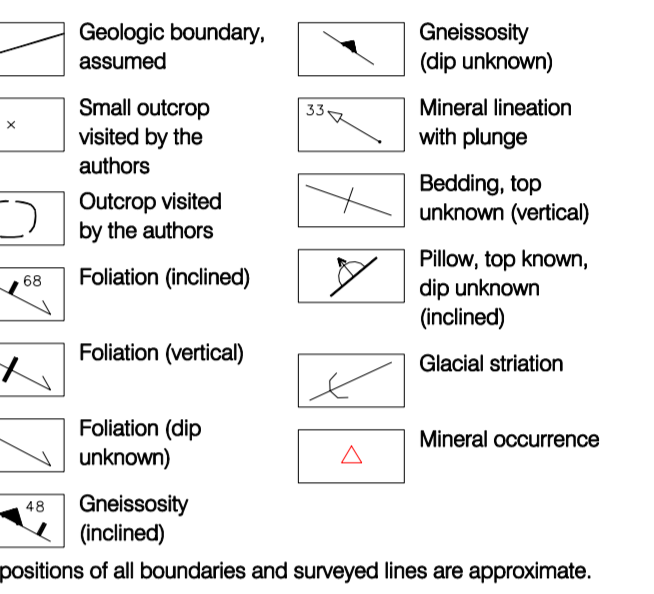


NTS Reference: 53 K/2, 2, 03 F/15

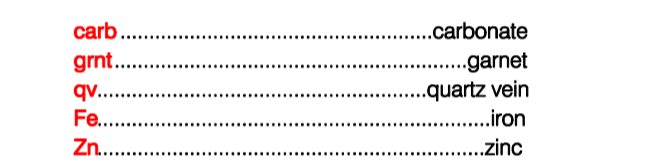
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## SYMBOLS



## ABBREVIATIONS



## SOURCES OF INFORMATION

Base map digitized from Maps 53 K/2, 53 K/3 and 53 F/15 of the National Topographic Series published in 1989, 1990 and 1977, respectively.  
GSC-ODM aeromagnetic maps 72803 (St. Lawrence Lake) and 72733 (Ponask Lake) 1987, scale 1:253,440.  
OGS Map 2541, Bedrock Geology of Ontario, northern sheet (1991), scale 1:1,000,000.  
In 1987, magnetic north was 0°11' east of True North, changing 4.3' westerly per year at the centre of the Pierce Lake Area. Geology not tied to survey lines.  
Metric conversion factor: 1 foot = 0.3048 m.  
Information on exploration activity in this area is available in digital form and as a hard copy from the Ministry of Natural Resources and Land Information System (ERLIS).  
Lithologic and structural information of the western half of this map, corresponding with work done in 1987, is recorded in digital form in Fieldlog version 3.0.

## CREDITS

Geology and compilation by D. Stone, J. Hall, and M. Lange, 1996 and 1997.  
To enable the rapid dissemination of information, this map has not received a technical edit. Discrepancies may occur for which the Ontario Ministry of Natural Resources and Land Information System does not assume liability. Users should verify critical information.

Information from this publication may be quoted if credit is given. It is recommended that reference to this map be made in the following form:  
Stone, D., Hall, J. and Lange, M. 1998. Precambrian geology, Pierce Lake area, Ontario Geological Survey, Preliminary Map P.3376, scale 1:50,000.

## LEGEND\*

## PHANEROZOIC

## CENOZOIC

## QUATERNARY

## MESOZOIC

## PALEOZOIC

## PRECAMBRIAN

## PROTEROZOIC

## 35

Gabor Dike (Moraine Swamp)

30a Unsubdivided

## INTRUSIVE CONTACT

## 22

Gabor Dike (Molten Swamp)

23a Unsubdivided

## INTRUSIVE CONTACT

## ARCHEAN

## NEOARCHEAN (2.5 to 2.9 Ga)

## 16

Hornblende Suite

16a Unsubdivided

16b Tonalite to quartz diorite to granodiorite; coarse grained; granular; white to grey; 10 to 20% hornblende and biotite

16c Fe-rich megacrystic; granodiorite to granite; grey to pink; &gt;5% hornblende and biotite

## INTRUSIVE CONTACT

## 12

Biotite Granodiorite to Granite

12a Leucocratic; pink to white; megacrystic; &lt;5% biotite

12b Dikes

12c Feldspar megacrystic

12d Pegmatite

## INTRUSIVE CONTACT

## 13

Prestamman (Sagep) Suite

13a Unsubdivided; white to pink; coarse grained to pegmatitic; massive to mylonitic; may contain biotite, muscovite, garnet, hornblende, quartz and cordierite

## INTRUSIVE CONTACT

## NEOARCHEAN TO MESOARCHEAN (2.5 TO 3.4 Ga)

## Tonalite Suite

## 12

Tonalite to Granodiorite

12a Biotite-bearing; white to grey; 5 to 15% mafic minerals; fine to coarse grained

12b Mafic; &lt;20% hornblende and biotite; typically heterogeneous and gradational to quartz diorite

12c Feldspar megacrystic

12d Quartz megacrystic

## INTRUSIVE CONTACT

## 11

Tonalite to Granodiorite Gneiss

11a Felsic to intermediate; grey to white; &lt;10% mafic minerals; fine to coarse grained

11b Mafic; grey to dark grey; &gt;10% mafic minerals; typically has mafic inclusions and/or pronounced continuous layers; foliated

## INTRUSIVE CONTACT

## Mafic Suite

## 10

Mafic to Ultramafic Intrusive Rocks

10a Amphibolite; black; fine to medium grained; foliated; occurs as nodules or dikes

10b Gabbro; diorite

## 10p

Pegmatite, pyroxenite, ultramafic rocks

## 4

Ultramafic Metavolcanic Rocks (&gt;90% mafic minerals)

4a Unsubdivided

## 3

Mafic to Ultramafic Metavolcanic Rocks (&gt;50% mafic minerals)

3a Unsubdivided

3b Breccia, tuff breccia (pyroclastic and/or volcanoclastic)

3c Crystal bearing feldspar, quartz

3d Laminated to finely bedded

3e Gneissic

3f Tuff, lapilli tuff, lapillstone (pyroclastic and/or volcanoclastic)

## 1

Metasedimentary Rocks

1a Unsubdivided

1b Sandstone, minor siltstone

## 1c

Conglomerate

1d Arenite, quartz arenite

1e Iron formation

1f Siltstone, minor sandstone

1g Mottie

1h Manganese

1i Manganese

1j Manganese

1k Manganese

1l Manganese

1m Manganese

1n Manganese

1o Manganese

1p Manganese

1q Manganese

1r Manganese

1s Manganese

1t Manganese

1u Manganese

1v Manganese

1w Manganese

1x Manganese

1y Manganese

1z Manganese

1aa Manganese

1ab Manganese

1ac Manganese

1ad Manganese

1ae Manganese

1af Manganese

1ag Manganese

1ah Manganese

1ai Manganese

1aj Manganese

1ak Manganese

1al Manganese

1am Manganese

1an Manganese

1ao Manganese

1ap Manganese

1aq Manganese

1ar Manganese

1as Manganese

1at Manganese

1au Manganese

1av Manganese

1aw Manganese

1ax Manganese

1ay Manganese

1az Manganese

1ba Manganese

1bb Manganese

1bc Manganese

1bd Manganese

1be Manganese

1bf Manganese

1bg Manganese

1bh Manganese

1bi Manganese

1bj Manganese

1bk Manganese

1bl Manganese

1bm Manganese

1bn Manganese

1bo Manganese

1bp Manganese

1bq Manganese

1br Manganese

1bs Manganese

1bt Manganese

1bu Manganese

1bv Manganese

1bw Manganese

1bx Manganese

1by Manganese

1bz Manganese

1ca Manganese

1cb Manganese

1cc Manganese

1cd Manganese

1ce Manganese

1cf Manganese

1cg Manganese

1ch Manganese

1ci Manganese

1cj Manganese

1ck Manganese

1cl Manganese

1cm Manganese

1cn Manganese

1co Manganese

1cp Manganese

1cq Manganese

1cr Manganese

1cs Manganese

1ct Manganese

1cu Manganese

1cv Manganese

1cw Manganese

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1dx Manganese

1dy Manganese

1dz Manganese

1ea Manganese

1eb Manganese

1ec Manganese

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1eh Manganese

1ei Manganese

1ej Manganese

1ek Manganese

1el Manganese

1em Manganese

1en Manganese

1eo Manganese

1ep Manganese

1eq Manganese

1er Manganese

1es Manganese

1et Manganese

1eu Manganese

1ev Manganese

1ew Manganese

1ex Manganese

1ey Manganese

1ez Manganese

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1gx Manganese

1gy Manganese

1gz Manganese

1ha Manganese

1hb Manganese

1hc Manganese

1hd Manganese

1he Manganese

1hf Manganese

1hg Manganese

1hh Manganese

1hi Manganese

1hj Manganese

1hk Manganese

1hl Manganese

1hm Manganese

1hn Manganese

1ho Manganese

1hp Manganese

1hq Manganese

1hr Manganese

1hs Manganese

1ht Manganese