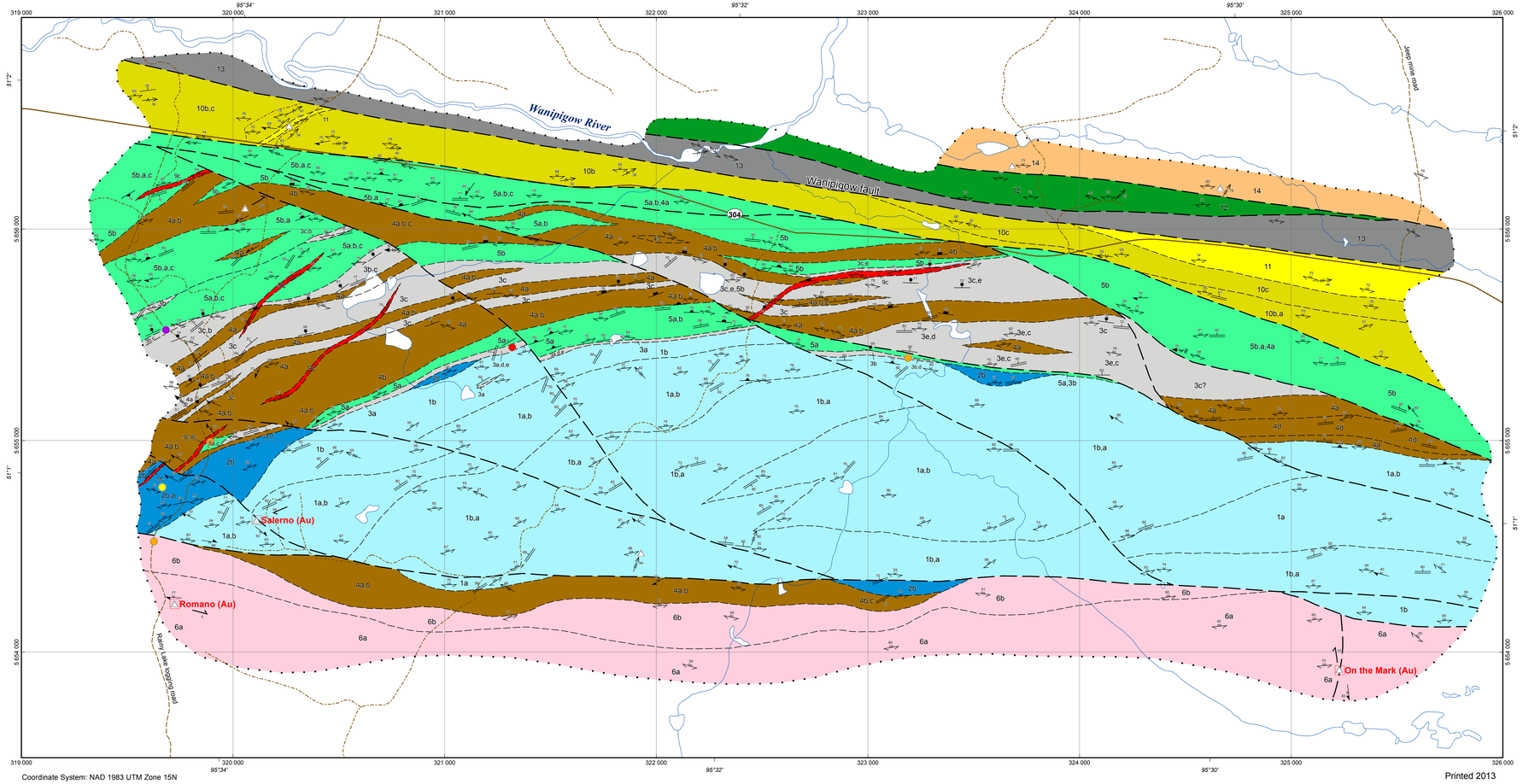
Geology and structure of the eastern extension of the Rice Lake mine trend, Rice Lake greenstone belt, southeastern Manitoba (part of NTS 52M3, 4)



Tectonized rocks (unknown affinity)

- 14 — Quartz-feldspar porphyry
- 13 — Greywacke, mudstone and iron formation
- 12 — Basalt: aphyric, massive to pillowed; locally amygdaloidal

Supracrustal rocks (Round Lake unit)

- 11 — Quartz–phyric rhyolite
- 10 — Intermediate to felsic tuff breccia, lapilli tuff; minor pink felsic dikes
  - a) Aphyric
  - b) Plagioclase–phyric
  - c) Plagioclase–quartz-phyric

Hypabyssal intrusions (mostly dikes; intrude units 1–5)

- 9 — Felsic
  - a) Aphyric
  - b) Plagioclase-quartz–phyric
  - c) Plagioclase-amphibole–quartz phyric
- 8 — Intermediate
  - a) Aphyric
  - b) Plagioclase-phyric
  - c) Plagioclase-amphibole–phyric
- 7 — Mafic
  - a) Aphyric
  - b) Plagioclase-phyric

Plutonic rocks (Ross River pluton)

- 6 — Biotite-hornblende granodiorite, tonalite (coeval aplite)
  - a) Homogeneous
  - b) Intrusion breccia

Supracrustal and related intrusive rocks (Rainy Lake Road unit)

- 5 — Basalt: aphyric to sparsely plagioclase-phyric
  - a) Massive
  - b) Pillowed
  - c) Pillow-fragment breccia, flow breccia
- 4 — Gabbro
  - a) Equigranular, mesocratic
  - b) Plagioclase-phyric
  - c) Layered
  - d) Equigranular, leucocratic
- 3 — Epiclastic rocks
  - a) Volcanic conglomerate: pebble to boulder; chlorite-magnetite matrix
  - b) Volcanic conglomerate: pebble to cobble; bedded
  - c) Volcanic sandstone, mudstone
  - d) Oxide-facies iron formation, chert
  - e) Felsic lapilli tuff, tuff breccia
- 2 — Dacite: aphyric
  - a) Coherent
  - b) Fragmental
- 1 — Dacite: plagioclase-phyric
  - a) Coherent
  - b) Fragmental

Scale: 1:10 000

0 250 500 1 000 1 500 metres

Symbols

Primary layering
- Bedding, upright
- Bedding, tops unknown
- Pillows, upright
- Igneous layering
- Flow contact

Foliation
- Generation 3
- Generation 5

Lineation
- Generation 3
- Generation 5

Minor fold axis
- S asymmetric, generation 3
- Z asymmetric, generation 5

Shear zone
- Dextral, generation 5
- Sinistral, generation 5

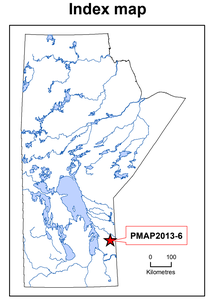
Other structure symbols
- Dike
- Slickenstriae, generation 5

- Named gold occurrence
- Contact
- Fault
- Limit of mapping

Roads
- Provincial road
- Gravel road
- Trail

Mineral occurrence
- Pyrrhotite
- Pyrite
- Pyrite, chalcopyrite
- Sphalerite, pyrrhotite, chalcopyrite
- Quartz vein

Index map



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This map is a provisional summary of work carried out during the summer field season and is produced directly from the geologist's manuscript. It is not to be regarded as a final interpretation of the geology of the area.

This map is available to download free of charge at www.manitoba.ca/minerals; to purchase a copy contact Publications Sales at 1-800-223-5215 or (204) 945-4154 or minesinfo@gov.mb.ca.

SUGGESTED REFERENCE:
Anderson, S.D. 2013: Geology and structure of the eastern extension of the Rice Lake mine trend, Rice Lake greenstone belt, southeastern Manitoba (part of NTS 52M3, 4); Manitoba Mineral Resources, Manitoba Geological Survey, Preliminary Map PMAP2013-6, scale 1:10 000.

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