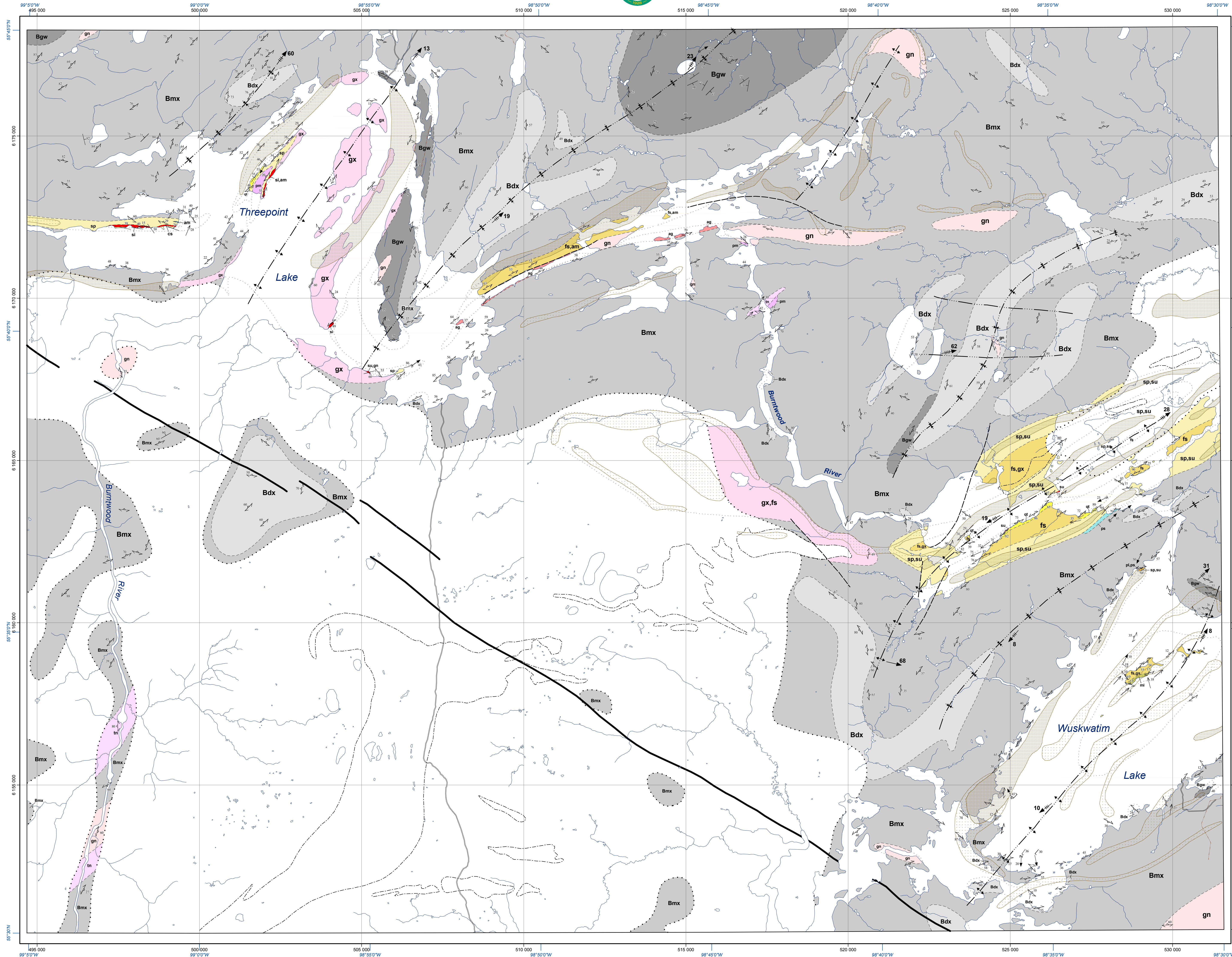




Revised geology of the Wuskwatim–Threepoint lakes area, Manitoba (NTS 63O10 and parts of 63O11)



Legend

Paleoproterozoic granitoid rocks

- pm Pegmatite
- gn Granite-granodiorite with mainly biotites/garnet
- gx Granite-granodiorite, foliated, with biotites/amphibole, orthopyroxene, magnetite, local K-feldspar porphyroclasts
- ag Aegmatite, foliated, tonalite blocks, granodiorite matrix
- tn Tonalite with biotite-pyroxene/amphibole
- am Amphibolite (dikes) with diopside-amphibole-plagioclase

Paleoproterozoic arc-related paragneiss

- Bgw Greywacke-mudstone-derived garnet-biotite gneiss with local sillimanite, graphite, quartz veins
- Bmx Greywacke-mudstone-derived garnet-biotite migmatite (metatextite) with cordierite ± sillimanite, orthopyroxene, spinel, graphite, 10–60% granitoid leucosome and veins
- Bdx Greywacke-mudstone-derived garnet-biotite migmatite (diatextite) with cordierite ± sillimanite, orthopyroxene, spinel, graphite, approx. 70% leucosome
- ps Psammite (sandstone-siltstone), weakly calcareous

Paleoproterozoic or possible Archean paragneiss

- pl Pelite, biotite-garnet gneiss ± sillimanite, orthopyroxene, spinel, magnetite, graphite, iron sulphide
- su, si, cs Iron formation, mainly sulphide-facies (su); silicatic-facies (si); calcilicatic (cs)
- sp Semipelite, thin-layered, garnet-biotite gneiss ± pelite, iron formation, chert, generally quartz-rich ± sillimanite, orthopyroxene, magnetite, graphite, iron sulphide
- qt Arkosic quartzite, thin bedded, local pelite layers, generally with garnet ± sillimanite, magnetite, graphite

Archean and/or Paleoproterozoic orthogneiss

- fs Felsic multi-component granulite gneiss (tonalite-granite) with biotite ± orthopyroxene, garnet, magnetite, common mafic boudins or dikes
- mi Mafic-intermediate granulite gneiss (gabbro-tonalite) with hornblende, diopside, orthopyroxene, garnet, magnetite

Symbols

- Bedding: tops unknown
- Foliation: inclined, vertical, dip unknown
- Shear zone: sense unknown, dextral
- Lineation, including mineral, stretching and rodding
- Minor fold axis: age unknown, symmetry M, S, Z
- Fold axial plane: generation unknown
- Major fold axis: age unknown, F3, F4
- Geological contact, including early (thrust) faults: approximate, assumed, underwater or covered
- Fault, assumed from aeromagnetic pattern
- Major fold axial plane: F3, F4
- Major anticline
- Major syncline
- Esker
- Drift edge
- Winter road
- Trail

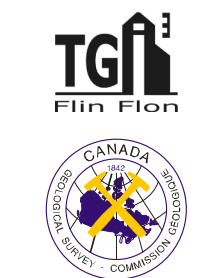
Aeromagnetic anomalies (interpreted from gradient)

- Gabbro dike (assumed); Mesoproterozoic Mackenzie swarm
- Aeromagnetic high, generally due to iron formation
- Moderate aeromagnetic anomaly

Compiled by H.V. Zwanzig and L.A. Murphy

Geology by H.V. Zwanzig, J.A. Percival¹, L.A. Murphy and M.L. Growdon² (2006); and after G. Kendrick, T.G. Frohlinger and D.A. Baldwin (1979), and D.A. Baldwin and T.G. Frohlinger (1979)

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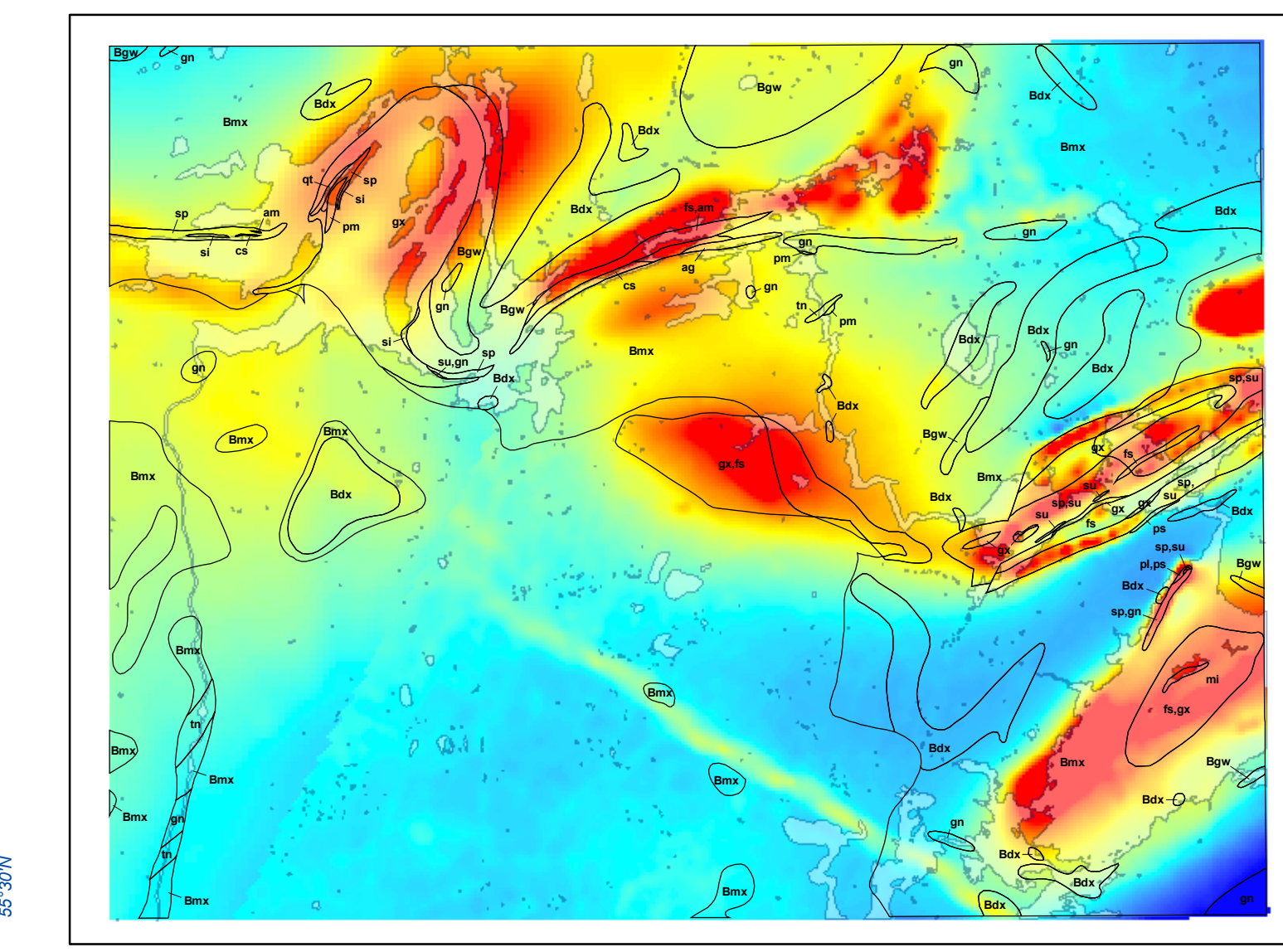
Cartography, digitizing and GIS preparation by: P.G. Lenton, B. Lenton and M.E. McFarlane

Published by: Manitoba Science, Technology, Energy and Mines; Manitoba Geological Survey, 2006

This map is a provisional summary of work carried out during the 2006 summer field season and is produced directly from the geologists' manuscript. It is not to be regarded as a final interpretation of the geology of the area.

SUGGESTED REFERENCE
Zwanzig, H.V., Percival, J.A., Murphy, L.A., Growdon, M.L. 2006; Revised geology of the Threepoint–Wuskwatim Lakes area, Manitoba (NTS 63O-10 and part of 63O-11), Manitoba Science, Technology, Energy and Mines, Manitoba Geological Survey, Preliminary Map PMAP2006-3, 1:50 000 scale.

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Index map

