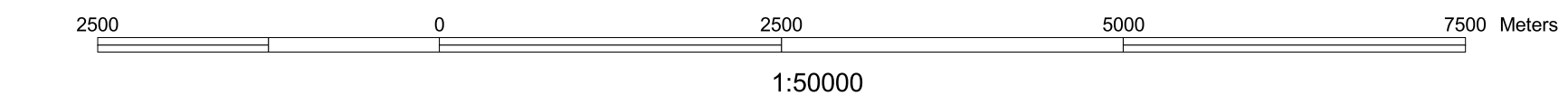


LEGEND

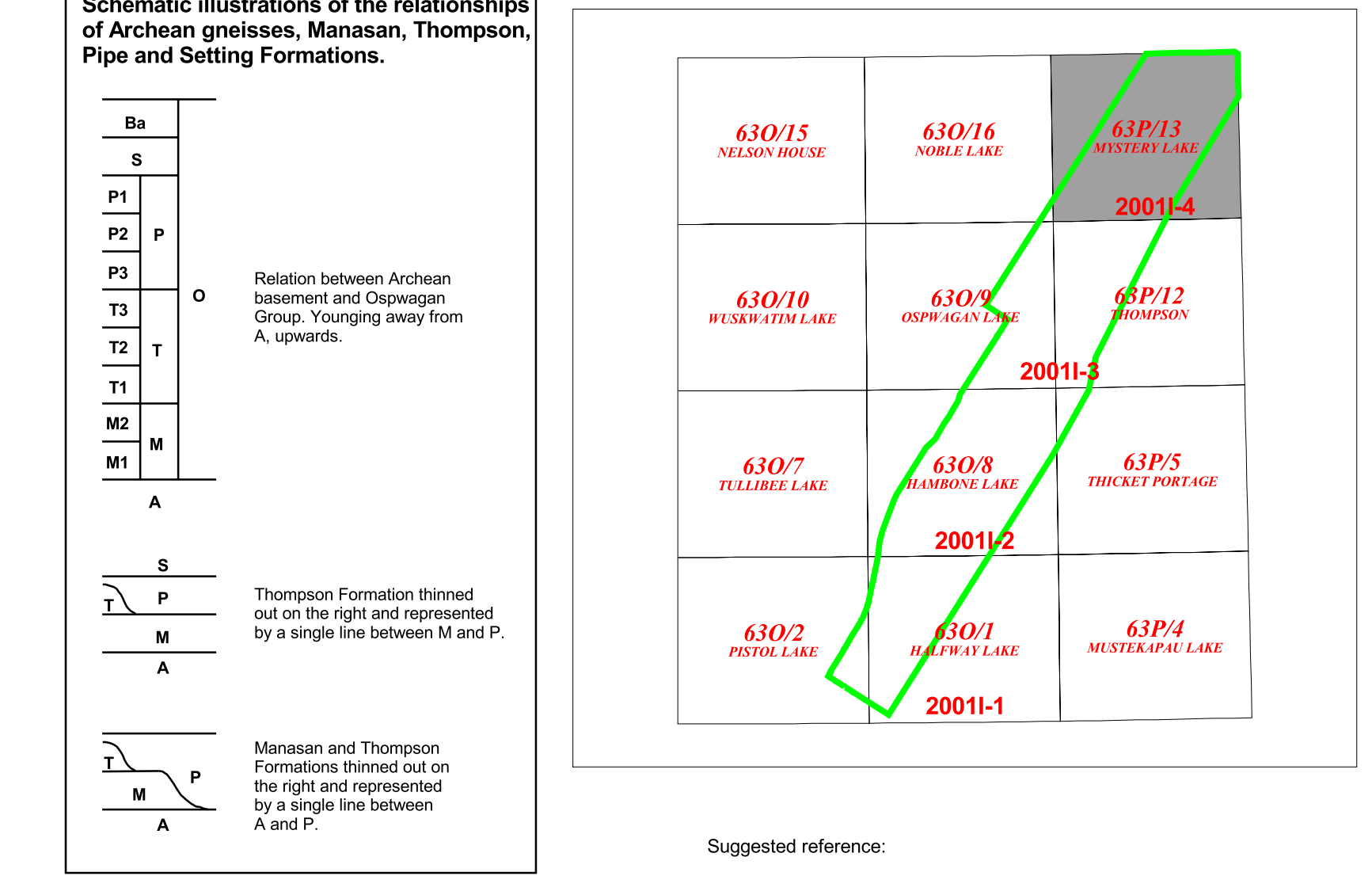
- INTRUSIVE ROCKS, ORTHOGNEISS**
  - mb** Gabbro of MacKenzie dyke swarm
  - md** Metadabase or metagabbro dykes. In O or A, usually belong to Molson dyke swarm
  - pg** Pegmatite
  - g** Granite, granitoid rocks
  - lg** Leucogranite
  - bg** Biotite granite
  - hm** Hornblende granite
  - hg** Hornblende - biotite granite
  - dr** Granodiorite
  - qm** Quartz monzonite
  - qt** Quartz syenite
  - bm** Biotite - hornblende quartz monzonite
  - qd** Quartz diorite
  - gb** Metagabbro, usually associated with um or occurring as subvolcanic sills
  - um** Danite (serpentinized), metaperidotite, metapyroxenite, serpentinite, derived ultramafic schist; usually as sills in Osipwan Group sequence
- BURNTWOOD AND GRASS RIVER GROUPS, undivided**
  - G** GRASS RIVER GROUP, undivided; mainly magnetic-bearing paragneiss
    - s** Meta-arenite, undivided, layered to laminated, locally pebbly; magnetic-enriched, in places sillimanite-bearing; locally migmatized
      - s2** Pebble metaconglomerate, felsic
      - s1** Metasandstone, crossbedded, locally pebbly
    - b** Meta-arenite, undivided, layered to laminated, biotite-rich, magnetic-enriched, locally pebbly
      - r** Felsic orthogneiss, metatuff (?)
      - b2** Metavolcanic gneiss, felsic
      - b1** Metasandstone, layered to laminated, pebbly
    - h** Meta-arenite, undivided, usually hornblende-enriched
      - h2** Meta-arenite, interbedded with a metaconglomerate ep
      - h1** Meta-arenite, usually hornblende- and garnet-enriched
  - B** BURNTWOOD GROUP, undivided; greyswacke-mudstone metasediments, garnet- and graphite-enriched, locally cordierite- and sillimanite-bearing; includes migmatized derivatives
    - Bm** Migmatite derived from Bw or Bp
    - Bw** Metagreywacke - mudstone paragneiss, garnet- and biotite-rich
    - Bp** Metagreywacke - mudstone paragneiss, garnet- and biotite-rich
- OSPWAGAN GROUP SUPRACRUSTAL ROCKS, undivided**
  - ba** Bah Lake assemblage, undivided; metabasalt flows, pillowed or massive, local breccia; derived amphibolite; metagabbro - diabase subvolcanic sills; gneiss sills; minor interflow chert, iron formation, volcanogenic sediment
    - a** Amphibolite (rafts in granitoid)
    - aa** Bah Lake amphibolite
    - pp** Metapelite or porphyroblastic metapelite sill (not limited to the Bah Lake assemblage)
    - gb** Metagabbro, subvolcanic sill (not limited to the Bah Lake assemblage)
  - S** Setting Formation, undivided; feldspathic quartzite and metapelite interlayered in varying proportions in a metabasalt sequence containing calc-silicate "concretions"; quartzose greywacke; rare occurrences of multiple layers of quartz-rich, oligonitic conglomerate grading upwards to sandstone - siltstone - shale
    - cc** Cummingtonite - cordierite schist, layered, a single occurrence at Setting Lake
  - P** Pipe Formation, undivided; iron formation, chert, metapelite schist; minor serropelite, dolomite marble, calc-silicate
    - P3** Sequence of silicate and oxide facies iron formations, sulphidic; chert; minor dolomite marble, calc-silicate; near the top sandstone - pelite metarubidite
      - dm** Dolomite marble intercalation enclosed in silicate facies iron formation of P3
      - ox** Iron formation, oxide facies, found only in P3
      - si** Iron formation, silicate facies, stratigraphic position unknown unless determined by its host P1 or P3
      - se** Iron formations of several facies occurring close together
      - un** Iron formation, facies unspecified, stratigraphic position unknown
    - P2** Metapelite schist with sulphidic facies iron formation near its top; minor calc-silicate and chert
      - su** Iron formation, sulphidic facies, stratigraphic position unknown unless determined by its host P1 or P2
    - P1** Sequence of iron formations and associated chert layers
      - si** Iron formation, silicate facies, stratigraphic position unknown unless determined by its host P1 or P3
      - su** Iron formation, sulphidic facies, stratigraphic position unknown unless determined by its host P1 or P2
  - Thompson Formation, undivided; marlstone or marble, layered, varied in composition and texture**
    - T3** Olivine - phlogopite - diopside marble, coarse grained
    - T2** Semipelite, very thin layer between T1 and T3
    - T1** Marlstone, laminated to thinly layered, dolomite marble
  - Manassan Formation, undivided; basal clastic rocks**
    - M2** Semipelite schist, rhythmically layered, calc-silicate layer near the top; pegmatite segregations in high grade metachert; dolomite
    - M1** Basal metaconglomerate, sandstone, shale, graded beds, fining upwards
- ARCHAEN BASEMENT AND OSPWAGAN GROUP, undivided**
  - A** ARCHAEN BASEMENT MIRMATITE - GNEISS, undivided, retrogressed, leucogranite to diorite in composition, host to distinct bodies of orthogneiss (1 to 6), ages uncertain
    - 6** Biotite granite orthogneiss
    - 5** Leucotonalite gneiss, garnet- and magnetic-bearing
    - 4** Migmatite, stromatolite, magnetic-enriched
    - 3** Alkali-feldspar syenite gneiss, porphyroblastic
    - 2** Enderbite gneiss
    - 1** Metagabbro, layered, garnetiferous

SYMBOLS

- Structural trend derived from the vertical gradient of a magnetic anomaly
- Outcrop
- Contact



1:50000



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This map is a preliminary representation of the results of a mapping and compilation project. It is not to be regarded as a final interpretation of the geology of the area. The data used in producing this map was transferred from un-recified airphotos and thus is subject to distortion. No attempt was made to remove this distortion from this preliminary release.  
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