

POCKETKNIFE LAKE

Areas of the map symbolized as 'Unconsolidated sand and gravel deposits' display underlying rock type(s) to portray the interpreted continuity of units, based on structural, aeromagnetic and topographic signatures. Rock types other than those shown may be present in these areas.

All data tables collected by the authors are posted using GPS-based coordinates. This map also incorporates pre-GPS field data collected by Farny (1980), Burner and Mann (1981), DeRosier (1989), Martin and Smyth (1979), Ryan (1984), and Erasmus (1989). The accuracy of field data stations is plotted from maps or field notes of these sources is dependent on the original plotting accuracy. Mineral occurrences shown on the map are from the Newfoundland and Labrador Geological Survey's Mineral Occurrence Database System (MODS) (<https://www.gov.nl.ca/minerals/>), and from unpublished assessment reports; the locations of most of these are dependent on initial plotting accuracy. MODS occurrences that were reviewed by the authors and new mineral indications were located with GPS-based geographic coordinates.

The map is segmented to follow-up examination of dated rock beds, petrographic thin sections and whole rock geochemical analyses. In many areas, geological boundaries are poorly constrained, approximated and extrapolated on the basis of outcrop distribution. Topographic features, structural observations and aeromagnetic data. Individual outcrops typically consist of several different rock types. The rock polygons depicted are based on what was interpreted to be the dominant rock type present. All rock types recorded from an individual outcrop may be determined by consulting the 'Site description' along the field locality given in the digital database. Discrepancies in rock names applied to field outcrops versus those interpreted from dated data or from unpublished assessment reports; the locations of most of these are dependent on initial plotting accuracy. MODS occurrences that were reviewed by the authors and new mineral indications were located with GPS-based geographic coordinates.

Field work in 2008 and 2009 by T. van Nott and D. Lowe

Recommended citation
van Nott, T.
2023. Geology of the Pocketknife Lake map area (NTS 13K/06), central Labrador. Scale 1:50 000. Geological Survey, Department of Industry, Energy and Technology, Government of Newfoundland and Labrador. Map 2023-19, Open File 13K/06/0356.

Geology compiled by T. van Nott and D. Lowe
Geological cartography by S. McKinnon, K. Morgan and T. Sears

The digital topographic database map NTS 13K/06 used here is available from the Surveyor General Branch, Natural Resources, Canada. Magnetic declination at centre of the map is 20°31' West (March 31, 2023). Universal Transverse Mercator (UTM, Grid Zone 20, North American Datum (NAD) 27. Elevations are in metres above sea level. Contour interval is 20 m.

Open File 13K/06/0356

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Preliminary versions of parts of this map published in Current Research articles have evolved, hence there may be differences between the current and earlier preliminary versions of the map, unit designations and the legends (see van Nott and Lowe, 2009).

Map 2023-19 is six of twenty (20) maps on the geology of the Seal Lake Group, and includes adjacent rocks of older tectonic provinces in central Labrador.

Department website: <https://www.gov.nl.ca/geology/>
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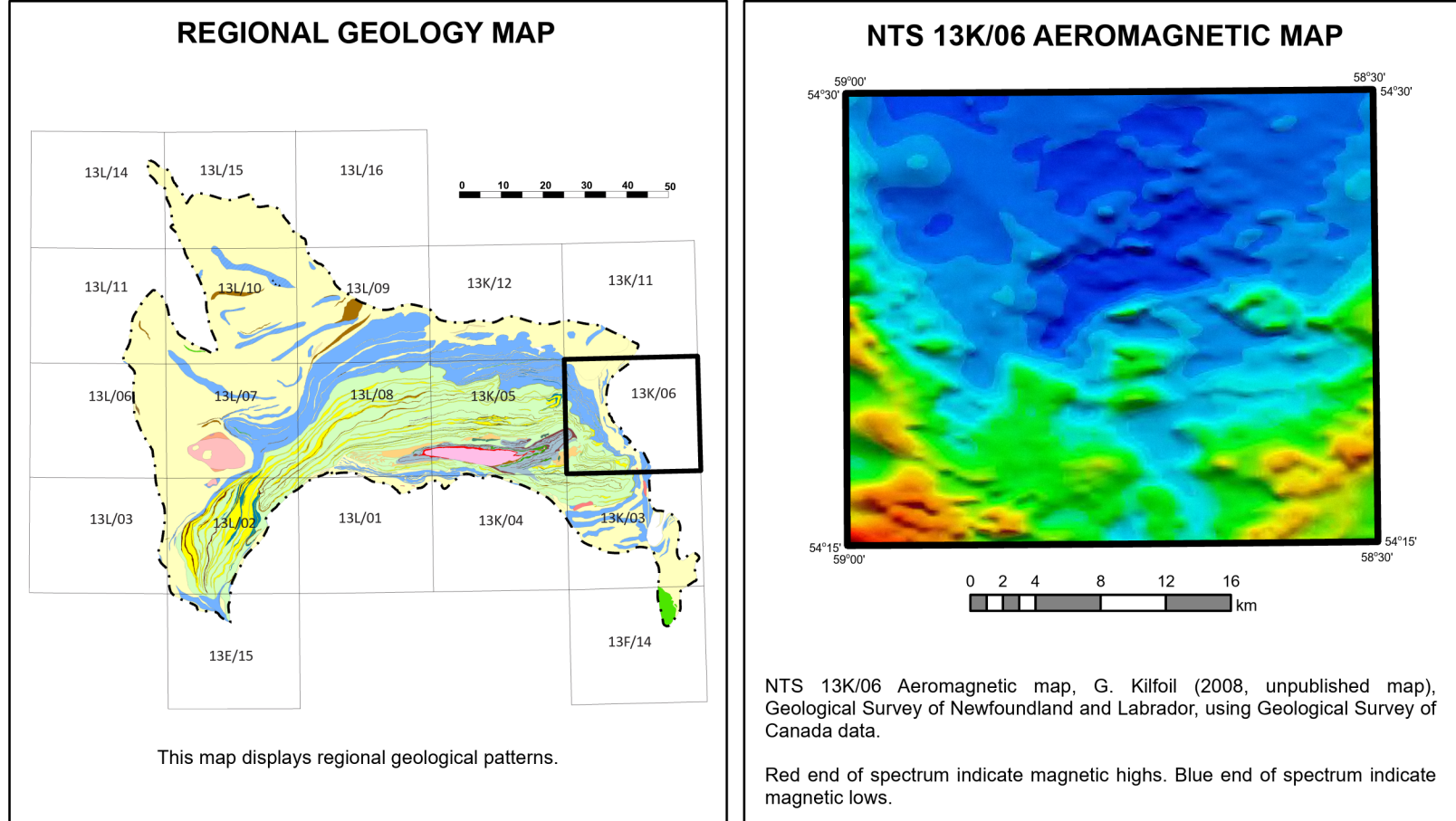
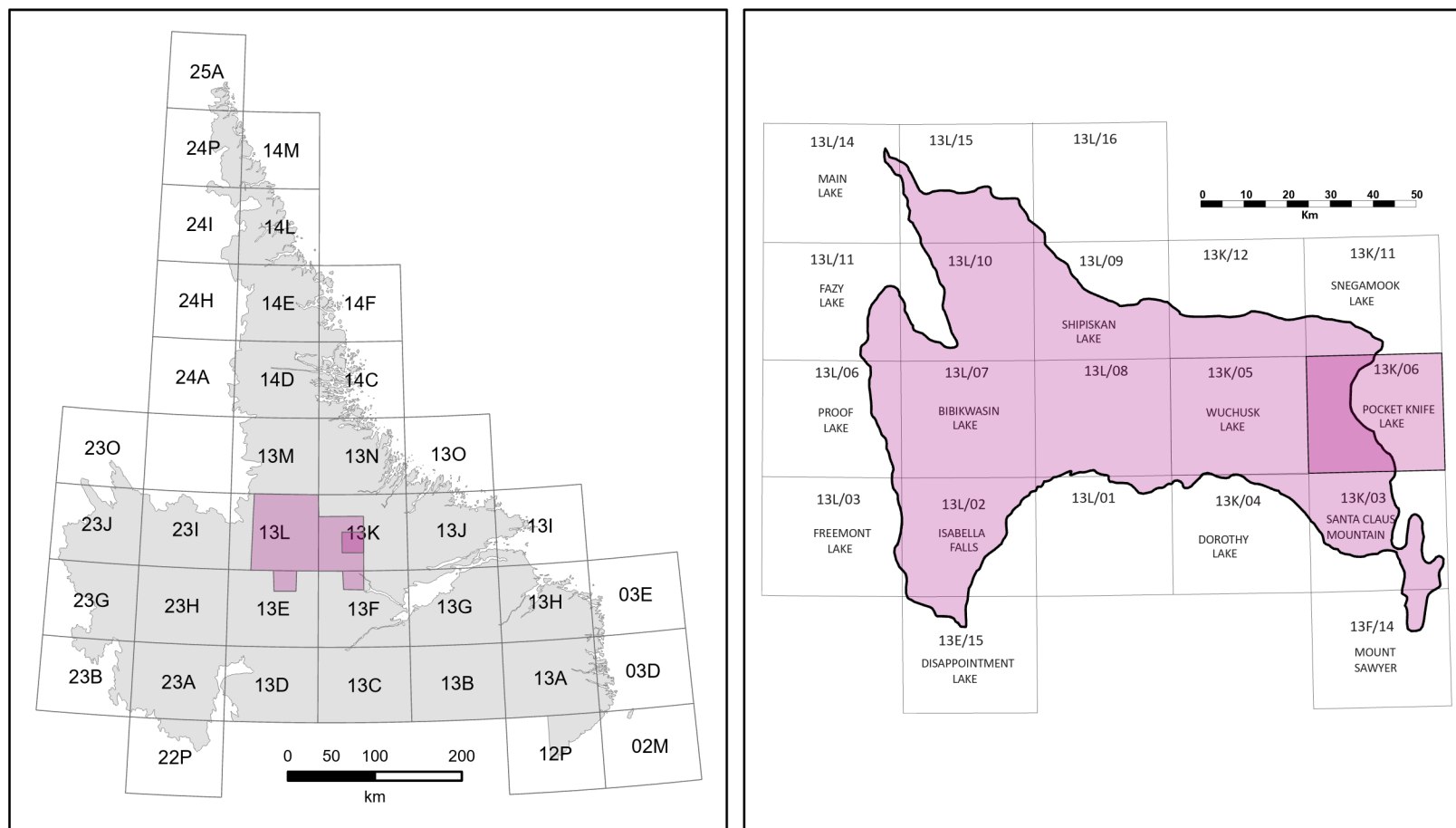
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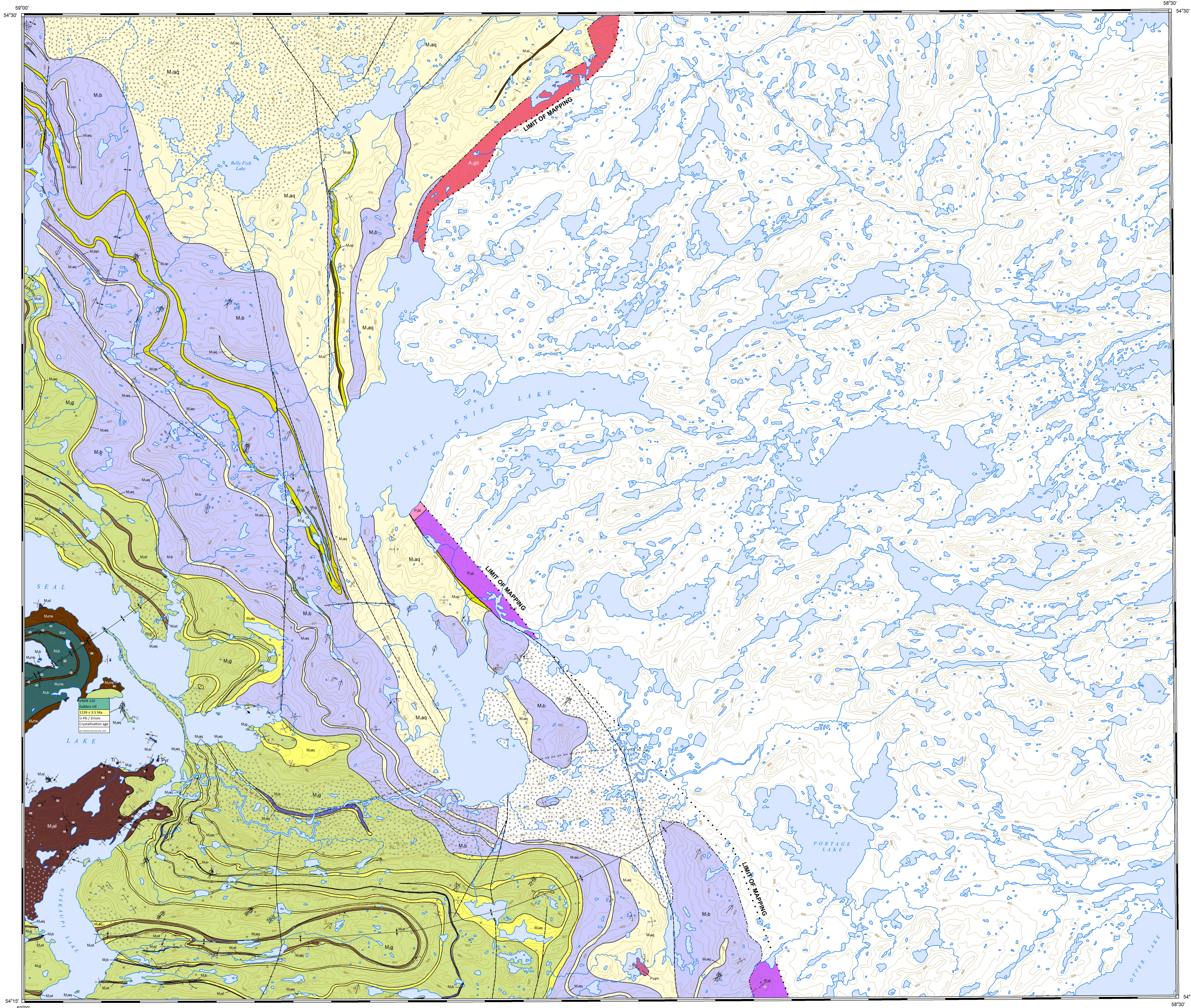
INDEX MAPS



Map 2023-19 GEOLOGY OF THE POCKETKNIFE LAKE MAP AREA (NTS 13K/06)

OPEN FILE 13K/06/0356

Scale 1:50 000



MIDDLE MESOPROTEROZOIC

Seal Lake Group (1270-1225 Ma)

Upper Red Quartzite Formation

Maq

Maq

Maq

Maq

Maq

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LEGEND

EARLY MESOPROTEROZOIC

Harp Lake Intrusive Suite (ca. 1450 Ma)

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