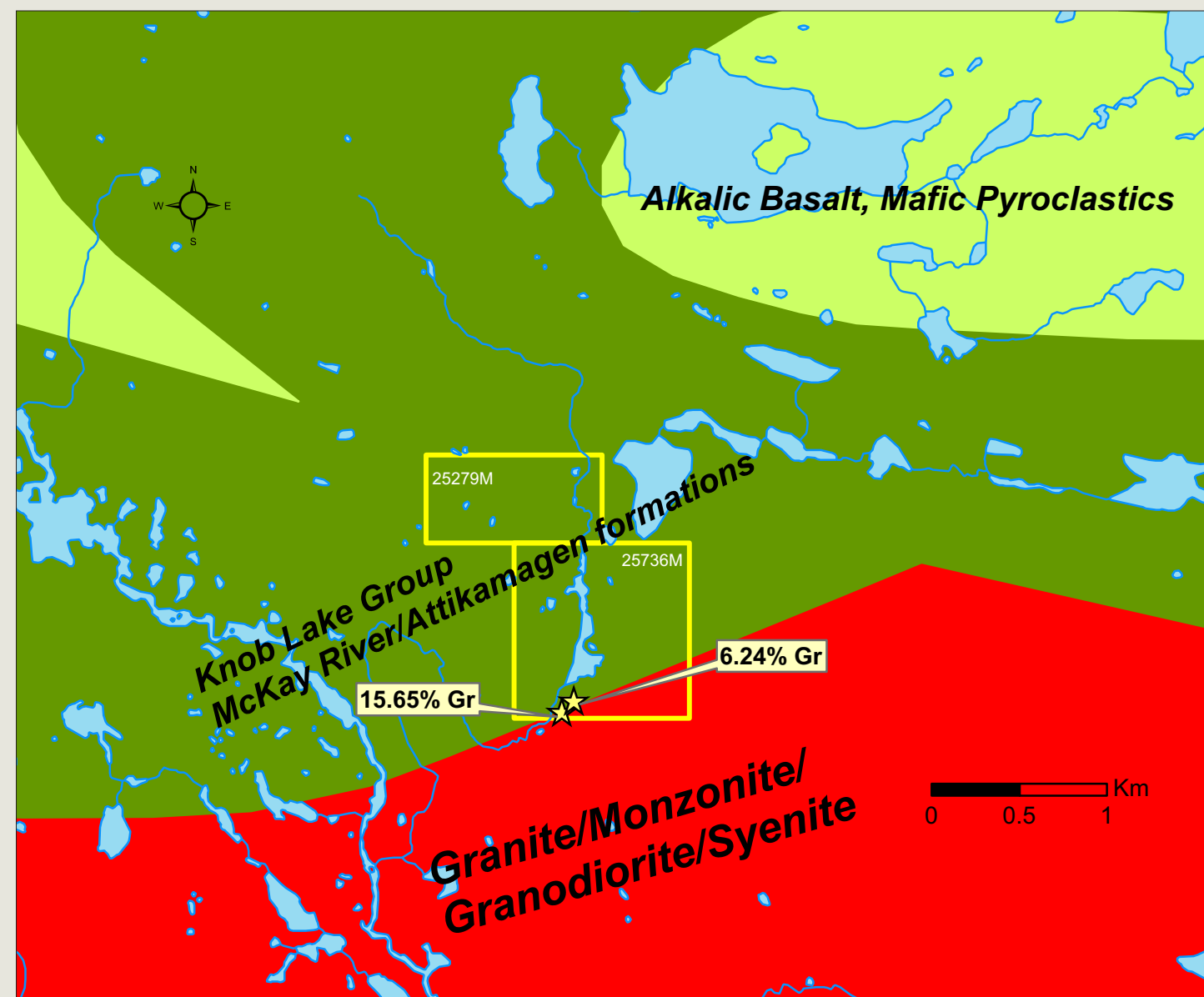


NEWFOUNDLAND & LABRADOR

Prospect · Discover · Develop



Isa Lake Graphite



Map 2: Claims Location and Geology

Source: Mineral Occurrence Database - Geological Survey, Department of Natural Resources
Website: <http://www.gov.nl.ca/mines&en/geosurvey>

P.H. Davenport, L.W. Nolan, R.W. Wardle, G.J. Stapleton, and G.J. Kilfoil, 1999 The Geoscience Atlas of Labrador. Newfoundland Department of Mines and Energy, Geological Survey, Open File NFLD/1305, Version 1.0

Highlights:
New Graphite Discovery
Grabs up to 15.6% Coarse graphite
Hosted by high grade supracrustals

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The *Isa Lake Property* is located approximately 100 km northeast of Labrador City and 20 km north of the Trans Labrador Highway (NTS 23 H/12) (Maps 1 and 2). Access to the area can be by float plane or helicopter.

Regional Geology

The Isa Lake Graphite discovery lies within the Gabbro Lake area, located on the southeastern edge of the Labrador Trough, bordering the contact between the Gagnon and Molson Lake terranes (Figure 1). The Gagnon Terrane is a parautochthonous fold and thrust belt, bound to the north by the Grenville Front (northern limit of deformation associated with the Grenville Orogeny) and to the south by the Molson Lake Terrane. The parautochthonous Molson Lake Terrane structurally overlies the Gagnon Terrane and the Churchill Falls Terrane (Figure 2). It forms a narrow belt located immediately north of the Lac Joseph Terrane. The Molson Lake Terrane contains almost no supracrustal rocks and is dominated by granitoid gneisses, dated at ca. 1640 Ma (Connelly et al., 1995), considered to be metamorphosed equivalents of the Trans-Labrador batholith. The Mid Proterozoic 1.4 Ga Shabogamo Gabbro occurs as sills, dikes, laccoliths and stocks (up to ~50 x 10 km) believed to be part of a regional mafic magmatic event extending for ~500 km, which includes the Michael Gabbro and possibly the Mealy Lake dikes (Gower et al, 1990). The Grenville Front dominates the geology of the region. It is a probable crustal suture that forms part of the major Circum Superior terrane boundary.

Local Geology

The property is underlain by the McKay River and Attikamagen formations, Knob Lake Group (Wardle, 1985). The Attikamagen Formation consists of undifferentiated quartzofeldspathic schist (locally migmatitic), metagreywacke-siltstone and slate and phyllite. The McKay River Formation comprises undifferentiated metatuffaceous sediments and conglomerate, schist, carbonate, amphibolite

Mineralization

Little previous work has been carried out in the area. Gallery Resources worked as the operator for an option in the early 2000's with BHP Billiton exploring for magmatic Ni-Cu-Co mineralization, particularly in the Shabogamo Gabbro (French and Mugford, 2006). The present owners have made a new discovery of **coarse grained graphite with grabs returning up to 15.65% graphite** (Plate 1). Although detailed mapping is not available for this area, examination of the 100,000 regional mapping (Wardle, 1985) indicates that the area is probably underlain by rocks of the McKay Formation. The high grade metamorphic character of the host rocks and regional (potential) economic graphite occurrences suggest that the new Isa Lake showing has significant economic potential for coarse-grained graphite.



Map 1: Property location map

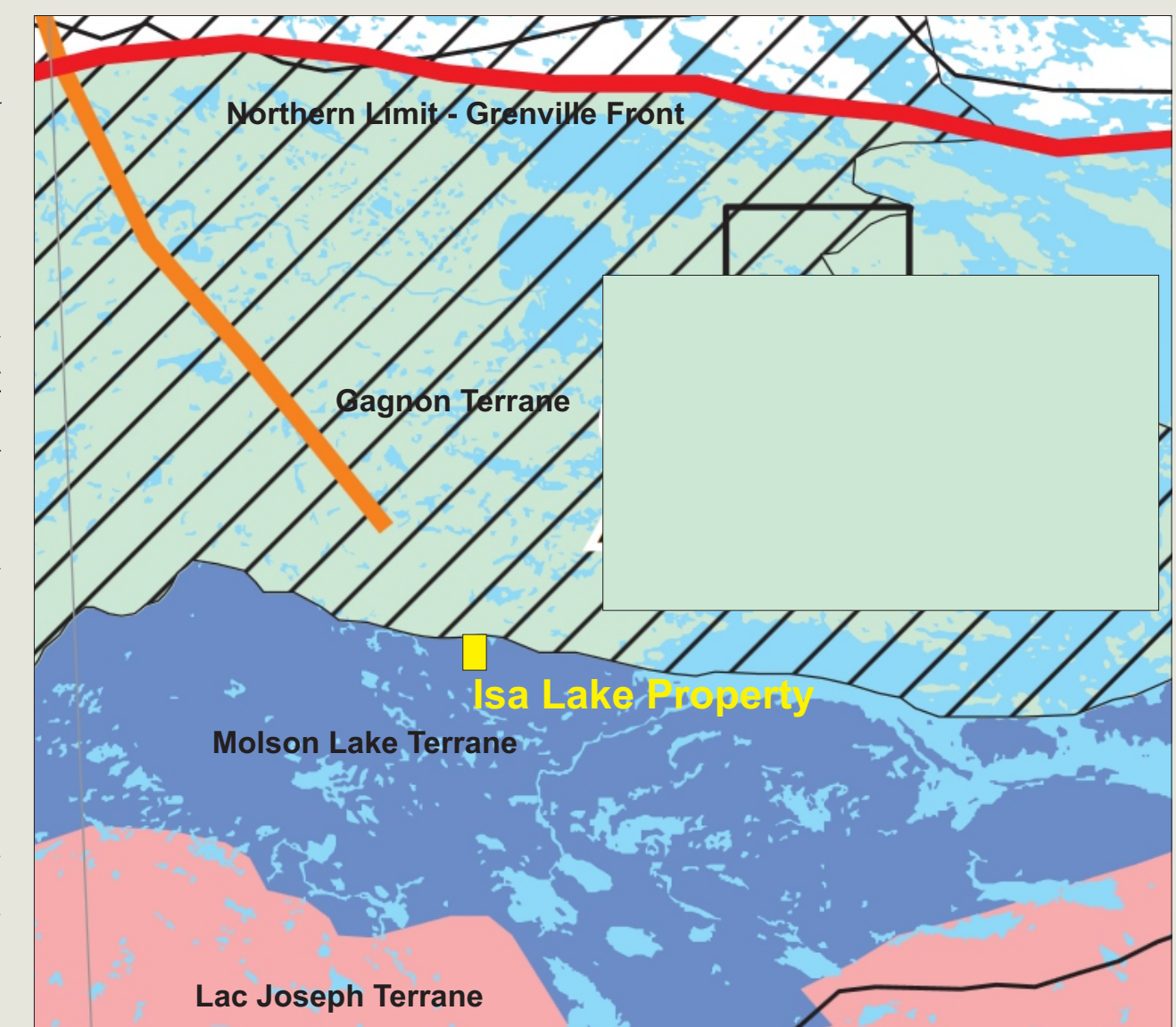


Figure 1: Regional Terranes



Plate 1. Isa Lake Graphite

January, 2019