

FREMONT LAKE

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

All data stations collected by the authors are plotted using GPS-based coordinates. This map also incorporates pre-GPS field data collected by Beaudin and Emery (1972) and from 1980). The accuracy of field data stations that were weighted into maps is field notes of these sources is dependent on the original plotting accuracy. Mineral occurrences shown on this map are from the Newfoundland and Labrador Geological Survey's Mineral Occurrence Database System (MOCDS) (http://geology.gov.nl.ca/minerals/). Data from unpublished assessment reports, the locations of most of these are dependent on field plotting accuracy. MOCDS occurrences that were revisited by the authors and new mineral localities were located using GPS-based geographic coordinates.

The map is augmented by follow-up examination of stained rock slabs, 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 trends, structural observations and aeromagnetic data. Individual outcrops typically consist of several different rock types. The unit polygons depicted in this map are based on what was interpreted to be the dominant rock type present. As rock types recorded from an individual outcrop may be determined by consulting the 'Unit Designator' listing in the 'Rock Types' in the digital database. Correspondence in rock names applied to field outcrops versus those interpreted from stained slabs or this section have not been recorded in the digital database. Differences may be due to more refined classifications of the sample and/or this section may not be representative of the source material.

Field work in 2012 by T. van Nieuwland and C. Corcoran

Recommended citation
van Nieuwland, T.
2023. Geology of the Fremont Lake map area (NTS 13L/03), central Labrador. Scale: 1:50,000. Geological Survey, Department of Industry, Energy and Technology, Government of Newfoundland and Labrador. Map 2023-24. Open File 13L/03/0154.

Geology compiled by T. van Nieuwland
Geological cartography by S. McManus, K. Morgan and T. Sears
The digital topographic database map NTS 13L/03 used here is available from the Survey's General Branch, Natural Resources, Canada.
Magnetic interpretation of data of the map is 2013 (West March 31, 2022).
Universal Transverse Mercator (UTM) UTM Zone 18, North American Datum (NAD) 27.
Contours are in 10-metre above sea level. Contour interval is 20 m.
Open File 13L/03/0154

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Map 2023-24 is version of twenty (20) maps on the geology of the Seal Lake Group, including adjacent rocks of older tectonic provinces in central Labrador.

Department website: <https://www.gov.nl.ca/minerals/geoscience>
Geological Survey website: <https://www.gov.nl.ca/minerals/geoscience>
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