



A preliminary unreviewed version of this map originally appeared in a report, and was based on data collected prior to 1995. The data used to generate this map are available from Surveys and Mapping Branch, Natural Resources Canada.

Geological interpretation of the Kyfanan Lake area (NTS sheets 13A/03, 04, 05 and 06), southeastern Labrador, Geological Survey, Mine Branch, Department of Natural Resources, Government of Newfoundland and Labrador, Map 2010-23, Open File 013A/0082.

Geological cartography by T. Patherwage, Cartographic Unit, Geological Survey, Department of Natural Resources.

Digital NTM base map (NTS 1:500,000) and digital topographic data are available from Surveys and Mapping Branch, Natural Resources Canada.

Geographic data (the 'as is' version of the map) is at the start of 2010, 02/09, 00' W.

Ellipsoidal datum: NAD 1983. Sea level. Contour interval is 250 m.

UTM (Universal Transverse Mercator) Grid Zone 21, NAD (North American Datum) 1983.

Since the preliminary map was published, interpretation for the region has evolved, so there are some differences between the current map and the original version. The map has been revised as a result of data collected from adjacent map areas.

Geological boundaries are poorly controlled, and have been extrapolated using structural observations, regional aeromagnetic data, and geological data from adjacent map areas.

Geological data from the region have been digitized from original field sheets, and are not necessarily representative of the original data. Furthermore, the Geological Survey assumes no liability with respect to digital reproductions or copies of the original data. Furthermore, the Geological Survey assumes no liability with respect to digital reproductions or copies of original products or for derivative products made by third parties. Please consult with the Geological Survey in order to ensure originality and correctness of data and products.

Mines Branch website: www.gov.nf.ca/mines/index.html.

NOTE: Map 2010-23 is one of twenty-five maps on the geology of the Grenville Province in eastern Labrador and adjacent eastern Makkovik Province produced by the Geological Survey, Mines Branch, Department of Natural Resources, Government of Newfoundland and Labrador.

Mines Branch website: www.gov.nf.ca/mines/index.html.

DISCLAIMER: The Geological Survey, a division of the Department of Natural Resources (the "authors and publishers"), retain the sole right to the original data and information found in any product produced. The authors and publishers assume no legal responsibility for any errors or omissions that may appear in any derivative products or for any damages resulting from the use of the original data. Furthermore, the Geological Survey assumes no liability with respect to digital reproductions or copies of original products or for derivative products made by third parties. Please consult with the Geological Survey in order to ensure originality and correctness of data and products.

As is characteristic of metamorphic and plutonic terranes, individual outcrops are typically very complex, and commonly embody several different rock types. Generally, the unit polygon depicted is based on what was judged to be the dominant rock type present in the area. However, the unit polygon may not be representative of the area. Unit diagrams and polygon labels are applied based on an awareness of such factors.

REFERENCES

Bostock, H.H. 1983. Precambrian rocks of the Strait of Belle Isle area, in Bostock, H.H., Cummings, L.M., Williams, H. and Smyth, W.R. Geology of the Strait of Belle Isle, Northwestern Newfoundland, Southeast Labrador, and Adjacent Quebec. Geological Survey of Canada, Memoir 409, p. 17-2.

Eade, K.E. 1962. Geology, Battle Harbour - Cartwright, coast of Labrador, Newfoundland. Geological Survey of Canada, Map 22-1962.

Eveleigh, A. 1968. A Ditch program. Shape (Hawley) property, Kyfanan Lake area, Labrador, NTS 13A/03 and 13A/04, Licence 4748M. Cartarsway Resources Corporation, Newfoundland and Labrador Geological Survey, Assessment File 013A/0037, 10 pages plus appendices.

Gower, C.F. and Lovendage, W.D. 1996. Cretaceous plutons in the eastern Grenville Province. In: Radiogenic age and isotopic studies: Report 1. Geological Survey of Canada, Paper 87-2, pages 55-64.

Gower, C.F., Heaman, L.M., Lovendage, W.D., Schärer, U. and Tucker, R.D. 1991. Geology of the eastern Grenville Province, Canada. Precambrian Research, Volume 51, pages 315-336.

Gower, C.F., Korn, S. and High, T. 2008. Indirect reworking in the eastern Grenville Province. Precambrian Research, Volume 167, pages 201-212.

Gower, C.F., van Nostrand, T., Pasham, V. and Anderson, J. 1995. Upper St. Lewis River (1:60,000) map, Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Hutchings, C. 1996. Geological map of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H., Kars, S., Miser, D., Krugh, T.E., Gower, C.F. and Owen, J.W. 1997. Geology of the Kyfanan Lake area, Labrador, NTS 13A/03, 04, 05, 06. Map 95-1000. Newfoundland and Labrador Geological Survey, Assessment File 013A/0030, 11 pages plus appendices.

Wasteney, H.,