



KEY

(This key is common to Open File maps 95-01 (NTS map sheet 14C6), 95-02 (NTS map sheet 14C11) and 95-03 (NTS map sheet 14C14). Some symbols in the key may not appear on this map sheet.)

Outcrop examined, binocular observation.....

Geological contact (defined, approximate, assumed).....

Onesitic layering and associated foliation (inclined, vertical, dip unknown).....

Mineral foliation in dykes and non-migmatized rocks (inclined, vertical, dip unknown).....

Foliation axial planar to folds of gneissic layering.....

Broad warps and open folds of the layering, with axial trend.....

Fold plunge.....

Fold asymmetry, viewed normal to plunge.....

Mineral lineation, probably of more than one age.....

Igneous layering in plutons and dykes (inclined).....

Deformed compositional layering in border zones of the Jonathon Intrusion and Paul Island intrusion (inclined, vertical).....

Dip of defined contact between gneisses and plutons of the Nain Plutonic Suite.....

Quartz and pegmatite segregations in granites of unit P1g.....

Subplate occurrence or rusty zone.....

Topographic line.....

Ductile shear zone.....

Fault.....

Limit of mapping.....

NOTES

- The following are the alphabetical designators for Akkoneq, Sculpin and Khmerutur dykes. Mineralogical modifiers are based on thin section examination, but some 'granulite' and 'amphibolite' designators are based on mesoscopic field and hand specimen attributes.
 - f = foliated and/or lineated dykes
 - g = folded dykes
 - a = granulite (orthopyroxene-bearing) dykes
 - g = amphibolite dykes (lack orthopyroxene)
 - c = clinopyroxene + biotite rich dykes
 - p = felsic orthopyroxene-bearing dykes
 - i = layered dykes
 - s = glomerophyritic or 'snowflake-textured' dykes
 - d = dioritic dykes (may be related to the NPS in some cases)
- Where numbers appear next to multiple dykes they indicate the relative age as determined from dyke intersections, 1 being the oldest.
- Metamorphic indicators for all units, based both on mesoscopic characteristics of the rocks and on thin section examination, are as follows:
 - A = amphibolite facies, may be totally retrogressed granulite facies
 - G = granulite facies, with minimal retrogression
 - Gr = granulite facies assemblages showing significant alteration to lower grade minerals (both amphibolite and granulite facies)
 - Ph = pyroxene hornfels contact metamorphic overprint as defined by the secondary association in paragneiss of cordierite + perovskite and cordierite + spinel after garnet and sillimanite respectively.
- Names of geographic features given in parentheses are taken from 'List of Labrador Eskimo Place Names' by E. R. Wheeler, 2nd. (National Museum of Canada, Bulletin 131, 1953). Names already on the base maps are augmented with new names only where there is a significant difference between the NTS name and Wheeler's designation.
- Information on this map is based on data collected by B. Ryan in July and August, 1990. Additional data for Dog Island supplied by K. Rowe (Lester University) based on work in July and August, 1994.
- The distribution of the plutonic rocks of the Nain Plutonic Suite on the western part of West Inlet Island is modified from Wiebe (1981).
- Geochronological data presented on the map are from several sources. Some data are from unpublished reports by Connelly (1992, 1993, 1994) on file with the Geological Survey, some are from personal communication with J. C. Connelly, and some are from published reports by Connelly and Ryan (1993, 1994).

REFERENCES

Connelly, J.N. 1992. U-Pb geochronological research agreement: final report for the Newfoundland Department of Mines and Energy, Labrador Mapping Section. Unpublished report on file with the Geological Survey, Newfoundland Department of Natural Resources, St. John's.

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Connelly, J.N. 1994. U-Pb Geochronology Research Contract Agreement: Final Report. Unpublished report on file with the Geological Survey, Newfoundland Department of Natural Resources, St. John's. Open File LAB1020, 67 pages.

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Connelly, J.N. and Ryan, B. 1994. Late Archean and Proterozoic events in the central Nain craton. In Eastern Canadian Onshore-Offshore Transsect (ESOOT), Edited by R.J. Wardle and J. Hall. Report of Transsect Meeting (December 10-11, 1993), University of British Columbia, LITHOPROBE Secretariat, Report 26, pages 53-61.

Wiebe, R.A. 1981. Eastern margin of an orthonite pluton on Paul Island. In The Nain Anorthosite Project, Labrador: Field Report, 1980. Edited by S.A. Morse. Department of Geology, University of Massachusetts, Contribution No. 36, pages 25-40.

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OPEN FILE MAP 95-02

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Scale 1:50,000 Echelle

DOG ISLAND LABRADOR NORTH DISTRICT NEWFOUNDLAND

This Provincial Map is prepared to a standard as in force at the time of printing.

Some names on this map are not official. Corrections or additions are invited by the Survey and Mapping Branch.

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Division of Earth Science (Map Production)

North American Datum 1983

Geographic North