



Natural Resources
Canada

Ressources naturelles
Canada

2nd
EDITION

CANADIAN GEOSCIENCE MAP 79

GEOLOGY

TECTONIC ASSEMBLAGE

MAP OF THE GJOA

HAVEN AREA

King William Island and southern Boothia
Peninsula, Nunavut



Map Information
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Preliminary

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Canadian Geoscience Maps

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ABSTRACT

This map and the related geodatabase illustrate the bedrock geology of King William Island and southern Boothia Peninsula. Major features of the area include Archean and Paleoproterozoic granitoid and metasedimentary rocks of Boothia Uplift, unconformably overlain by generally flat-lying Cambrian to Silurian strata of the Arctic Platform.

RÉSUMÉ

Cette carte et la géodatabase qui s'y rapporte documentent la géologie du substratum rocheux dans l'île King William et le sud de la presqu'île de Boothia. Les principales entités géologiques de la région comprennent des roches granitoïdes et

métasédimentaires de l'Archéen et du Paléoproterozoïque du soulèvement de Boothia, surmontées en discordance par des strates généralement horizontales d'âge cambrien à silurien de la Plate-forme de l'Arctique.

ABOUT THE MAP

General Information

Authors: J.C. Harrison, R.G. Blackadar, W.D. Stewart, T. Frisch, E.M. Hillary, and A. Ford

Geological compilation by J.C. Harrison

Source map geology (senior authors) by T. Frisch, R.G. Blackadar, and W.D. Stewart

GIS development by T. Lynds

Spatial data capture by Gismo Solutions Ltd. (Edmonton), E.M. Hillary, and A. Ford

Cartography by M.J. Baldock

Critical review by K. Dewing

Initiative of the Geological Survey of Canada, conducted under the auspices of the Tri-Territorial Project as part of Natural Resources Canada's Geo-mapping for Energy and Minerals (GEM) program.

Map projection Lambert Conformal Conic, standard parallels 68°54'N and 70°34'N.
North American Datum 1983

Base map at the scale of 1:250 000 from Natural Resources Canada, with modifications.

Proximity to the North Magnetic Pole causes the magnetic compass to be erratic in this area.

Mean magnetic declination 2015, 11°05'W, decreasing 9.8' annually. Readings vary from 17°12'W in the SE corner to 3°52'W in the NW corner of the map.

This map is not to be used for navigational purposes.

Title Photograph: Paleoproterozoic basement including metasediments and marble, Bellot Strait and southern Somerset Island, Nunavut.

Photograph by T. Frisch. 2013-073

The Geological Survey of Canada welcomes corrections or additional Information from users.

Data may include additional observations not portrayed on this map.
See documentation accompanying the data.

This publication is available for free download through
GEOSCAN (<http://geoscan.nrcan.gc.ca/>).

Preliminary publications in this series have not been scientifically edited.

Map Viewing Files

The published map is distributed as a Portable Document File (PDF), and may contain a subset of the overall geological data for legibility reasons at the publication scale.

Cartographic Representations Used on Map

This map utilizes ESRI Cartographic Representations in order to customize the display of standard GSC symbols for visual clarity on the PDF of the map only. The digital data still contains the original symbol from the standard GSC symbol set. The following legend features have Cartographic Representations applied:

Fault: approximate, showing downthrown side

Thrust fault: approximate, teeth indicate upthrust side

ABOUT THE GEOLOGY

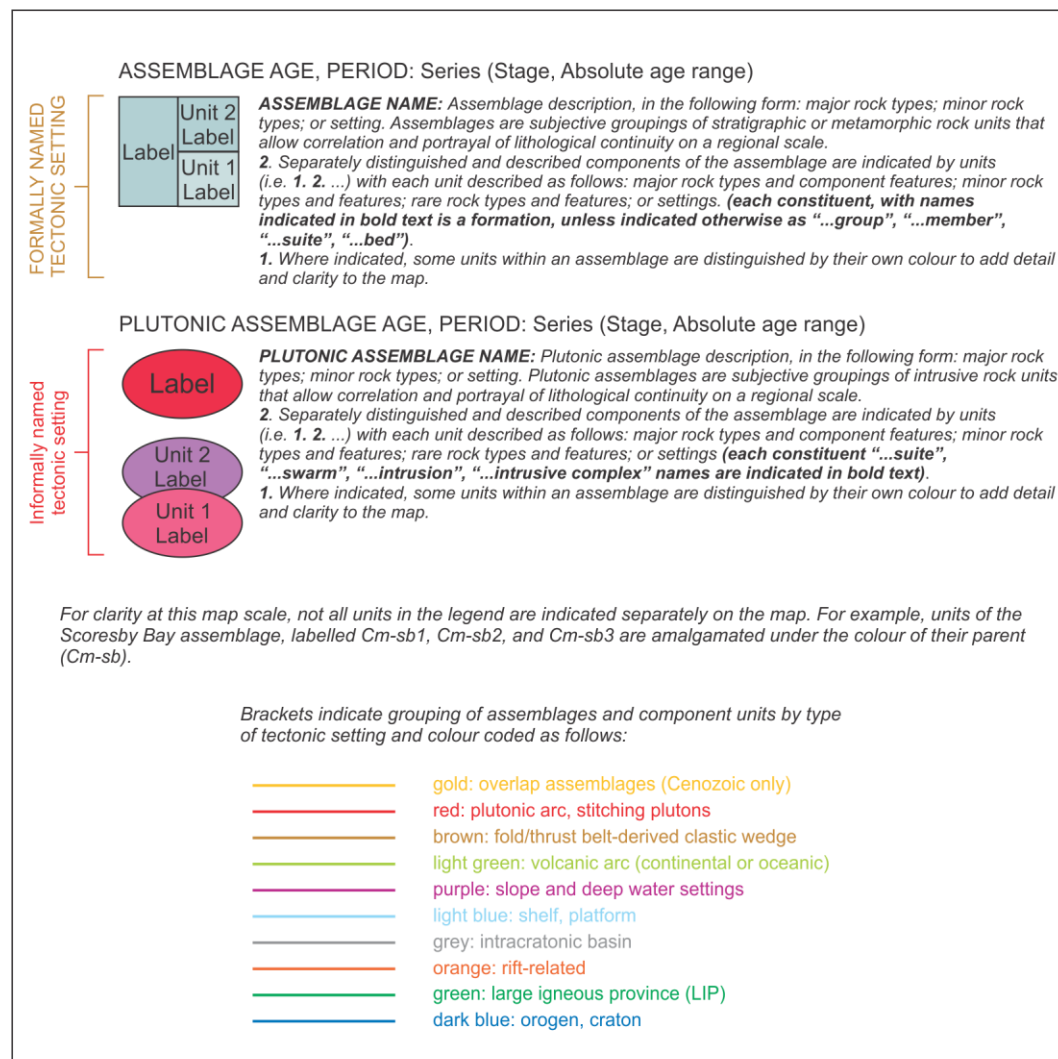


Figure 1. Explanation of map unit features.

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Coordinate System

Projection: Lambert Conformal Conic
False Easting: 0.0°
False Northing: 0.0°
Central Meridian: -95.0°
Standard Parallel 1: 68.9°
Standard Parallel 2: 70.566667°
Latitude of Origin: 40.0°
Units: metres
Horizontal Datum: NAD83
Vertical Datum: mean sea level

Bounding Coordinates

Western longitude: 100°00'00"W
Eastern longitude: 90°00'00"W
Northern latitude: 71°00'00"N
Southern latitude: 68°20'00"N

Data Model Information

This Canadian Geoscience Map does not conform to the Bedrock Mapping Geodatabase Data Model v.3.1. Therefore, some of the feature classes and feature attributes require explanation. Consult "Explanation_of_attributes.rtf" in Data folder for complete description of the feature classes and feature attributes.

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