

Figure 1. Relative sea-level curve for Rowley Island

MAP No.	LAB No.	LATITUDE	LONGITUDE	MATERIAL	ELEV.	MIN. RSL.	MAX. RSL.	AGE (years)	±	AGE (NORM.)	COMMENTS
1	AA-57704	69.16719	-79.84850	Balanis mysticetus	4.5	4.5	0.569	0.047	0.969		
2	AA-57705	69.10876	-79.93343	Balanis mysticetus	4.5	4.5	0.621	0.043	1.021		
3	AA-57706	69.05368	-79.23717	Balanis mysticetus	2.0	2.0	0.636	0.039	1.036		
4	AA-57707	69.06899	-79.06766	Balanis mysticetus	5.0	5.0	0.701	0.039	1.101		
5	AA-57708	69.23648	-78.88281	Odobenus rosmarus	45.0	45.0	3.811	0.034	4.211		
6	AA-57709	69.23633	-79.67964	Odobenus rosmarus	46.5	46.5	3.814	0.036	4.214		
7	AA-59085	69.08832	-79.15344	Musa frutescens	17.0	17.0	3.025	0.039	3.695		Archaeological
8	AA-61946	69.23844	-79.86554	Odobenus rosmarus	43.5	43.5	3.639	0.060	4.039		Archaeological
9	AA-58087	69.11767	-79.01435	Balanis mysticetus	2.0	2.0	0.471	0.044	0.871		

Abbreviations: ELEV, elevation (m); MIN, minimum; MAX, maximum; RSL, relative sea level (m); Reccor, reservoir corrected age (normalized age minus 650 years); NORM, normalized. Ages are given in kilo-anni (1000 years) notation.

Table 1. Age table

LEGEND

This legend is common to Open Files 4955 and 4956. Coloured legend blocks indicate map units that appear on this map. Not all map symbols shown in the legend necessarily appear on this map.

SURFICIAL DEPOSITS

QUATERNARY

HOLOCENE

FLUVIAL SEDIMENTS: alluvium; gravel and sand, 2-20 m thick.

At Alluvial terraces: gravel and sand, 2-20 m thick.

Af Alluvial fans: gravel and sand, 2-20 m thick.

MARINE AND GLACIAL MARINE SEDIMENTS: gravel, sand, silt, and clay, 1-20 m thick, deposited in deltaic and beach environments during regression of the postglacial sea.

Mr Beach sediments: gravel and sand, 1-5 m thick, forming ridges and swales.

Mv Deepwater proglacial silt veneers: silt, clay silt, and fine sand with dropstones, 1-2 m thick.

EARLY HOLOCENE AND WISCONSINAN

TILL: nonsorted stony muds, 0.5-60 m thick, deposited in subglacial and ice marginal environments; lithic composition generally reflects underlying bedrock.

Tv Till veneer: 0.5-2 m thick and discontinuous.

Geological boundary (defined)
 Drumlin
 Field observation site: gravel (g), mud (m), peat (p), rock (r), till (t) * 1
 Field observation site: material as above near rock outcrop * 01
 Radiocarbon date (see Table 1) * 2

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 Geology by A.S. Dyke and J.M. Saville, 2003
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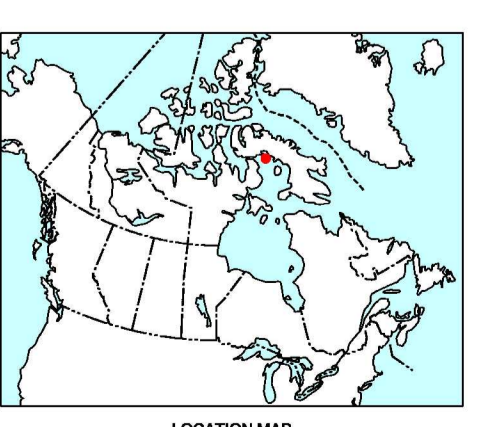
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Any revisions or additional geological information known to the user would be welcomed by the Geological Survey of Canada.

Digital base map from data compiled by Geomatics Canada, modified by DDD

Proximity to the North Magnetic Pole causes the magnetic compass to be erratic in this area. Mean magnetic declination 2006, 36° 25' W, decreasing 42.6' annually. Readings vary from 37° 44' W in the NE corner to 35° 12' W in the SW corner of the map.

Elevations in metres above mean sea level
 Contour interval 20 m



Canada

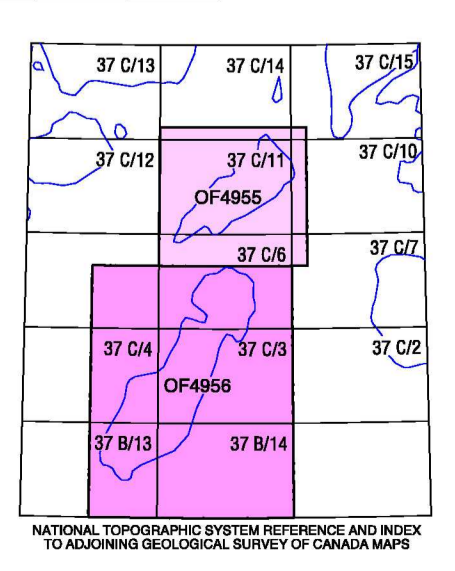
OPEN FILE 4956
 SURFICIAL GEOLOGY
ROWLEY ISLAND
 NUNAVUT

Scale 1:100 000/Échelle 1/100 000

kilometres 2 4 6 8 kilomètres

Universal Transverse Mercator Projection
 North American Datum 1983
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 Système de référence géodésique nord-américain, 1983
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