

Figure 1. Relative sea level curve, Koch Island and Cape Thalbitzer.

MAP No.	LAB No.	LATITUDE	LONGITUDE	MATERIAL	ELEV	MIN RSL	MAX RSL	AGE Rcorr	±	AGE NORM	COMMENTS
1	GSC-6757	69.520277	-78.798611	<i>Astarte borealis</i>	18.5	18.5		3.710	0.090	4.340	
2	AA-53632	69.652000	-78.487000	<i>Balaena mysticetus</i>	4.5	4.5		0.846	0.040	1.246	
3	AA-53633	69.729000	-78.179000	<i>Odobenus rosmarus</i>	17.5		17.5	2.285	0.059	2.685	Archaeological
4	AA-53634	69.890000	-78.803611	<i>Balaena mysticetus</i>	10.5		10.5	0.868	0.049	1.268	Archaeological (Out of map area)
5	AA-53636	69.584000	-78.500000	<i>Mya truncata</i>	38.5	38.5		3.647	0.059	4.277	
6	AA-58088	69.485542	-78.777267	<i>Astarte borealis</i>	24.5	24.5		2.357	0.032	2.987	
7	AA-58085	69.983055	-78.657500	<i>Odobenus rosmarus</i>	3.0–4.0		3.0	0.354	0.039	0.754	Archaeological (Out of map area)
8	AA-58089	69.478911	-78.855317	<i>Odobenus rosmarus</i>	9.0	9.0		1.545	0.035	1.945	
9	GSC-6687	69.890000	-78.796666	<i>Mya truncata</i>	0.0–10.0	12.0		4.090	0.080	4.720	(Out of map area)
10	GSC-6722	69.907777	-79.141944	<i>Mya truncata</i>	12.0	12.0		4.100	0.080	4.730	(Out of map area)
11	GSC-6739	69.914722	-78.791388	<i>Hiatella arctica</i>	4.0	4.0		4.240	0.060	4.870	(Out of map area)
12	GSC-6753	69.914722	-78.791388	<i>Mya truncata</i>	4.0	4.0		4.180	0.070	4.810	(Out of map area)
13	GSC-6732	69.915277	-78.885277	<i>Mya truncata</i>	18.0	18.0		4.440	0.080	5.070	(Out of map area)
14	GSC-6737	69.915555	-78.794166	<i>Hiatella arctica</i>	6.0	6.0		4.380	0.080	5.010	(Out of map area)
15	GSC-6720	69.918055	-78.883611	<i>Mya truncata</i>	24.5	24.5		3.940	0.080	4.570	(Out of map area)
16	GSC-6747	69.920555	-79.137777	<i>Astarte borealis</i>	22.0	22.0		2.890	0.070	3.520	(Out of map area)
17	GSC-6729	69.933333	-79.136388	<i>Mya truncata</i>	34.5	34.5		4.060	0.060	4.690	(Out of map area)
18	GSC-6743	69.946111	-79.138888	<i>Mya truncata</i>	41.5	41.5		4.260	0.080	4.890	(Out of map area)
19	GSC-6745	69.978333	-79.148055	<i>Mya truncata</i>	61.0	61.0	94.0	5.440	0.070	6.070	(Out of map area)
20	GSC-6726	69.981666	-79.152222	<i>Mya truncata</i>	60.5	60.5		5.220	0.070	5.850	(Out of map area)

Abbreviations: ELEV, elevation (m); MIN, minimum; MAX, maximum; RSL, relative sea level (m); Rcorr, reservoir corrected age (normalized age minus 630 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.
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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)
Field observation site: material as above near rock outcrop
Radiocarbon date (see Table 1)²

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Geology by A.S. Dyke and J.M. Savelle, 2002, 2003

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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, 37° 55' W, decreasing 44.8' annually. Readings vary from 38° 49' W in the NE corner to 37° 03' W in the SW corner of the map

Elevations in metres above mean sea level
Contour interval 20 m



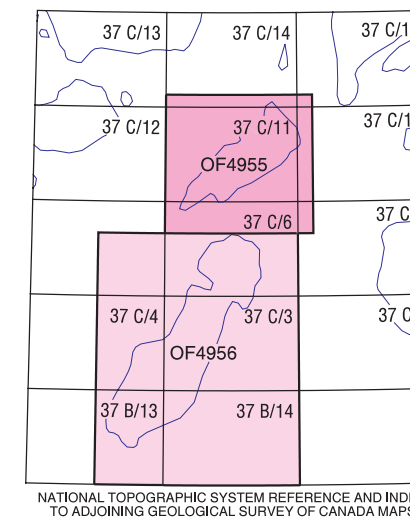
OPEN FILE 4955
SURFICIAL GEOLOGY
KOCH ISLAND
NUNAVUT

Scale 1:100 000/Échelle 1/100 000

kilometres 2 0 2 4 6 8 Kilomètres

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