

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	-78.796686	<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	-78.141944	<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	69.981686	-79.152222	<i>Mya truncata</i>	60.5	60.5		5.220	0.070	5.850	(Out of map area)

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**

**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)** ..... \* t  
**Field observation site: material as above near rock outcrop** ..... \* g(r)  
**Radiocarbon date (see Table 1)** ..... ▼ 2

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Geology by A.S. Dyke and J.M. Savelle, 2002, 2003  
Digital compilation by R. Fournier, Geotech  
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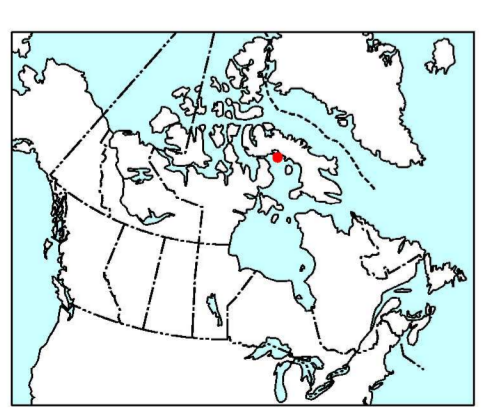
This map was produced from processes that conform to the Scientific and Technical Publishing Services Subdivision (DDD) Quality Management System, registered to the ISO 9001:2000 standard

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

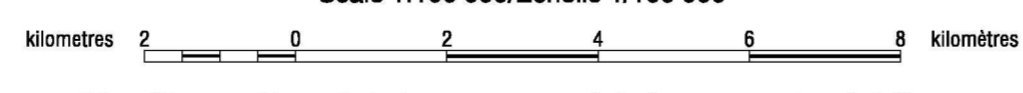
Proximity to the North Magnetic Pole causes the magnetic compass to be erratic in this area. Mean magnetic declination 2006, 37° 55' W, decreasing 44.8' annually. Readings vary from 38° 49' W in the NE corner to 37° 03' W in the SW corner of the map

Elevations in metres above mean sea level  
Contour interval 20 m



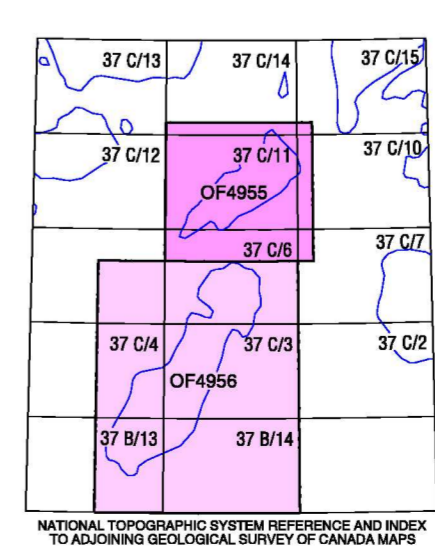
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SURFICIAL GEOLOGY  
**KOCH ISLAND**  
NUNAVUT

Scale 1:100 000/Échelle 1/100 000



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