BLM-RF/AK-77

RU-007

OUTER CONTINENTAL SHELF ENERGY PROGRAM

NOAA/BLM

FINAL REPORT

Contract No. 03-5-022-68
Task Order No. 4
1 April 1975 - 31 March 1976

Summarization of existing literature and unpublished data on the distribution, abundance, and life histories of benthic organisms

(Beaufort Sea)

VOLUME III Part A.
Annelid Distributions

Andrew G. Carey, Jr., Principal Investigator
School of Oceanography
Oregon State University
Corvallis, Oregon 97331

1 January 1977

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1 January 1977

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Species distribution charts

Annelida:
Polychaeta 2

SPECIES DISTRIBUTION

Distributional information has been included for 370 benthic organisms representing the following invertebrate groups:

Annelida	-Polychaeta
Arthropods	-Amphipoda Copepoda (Harpacticoida) Cumacea Decapoda Isopoda
Echinodermata	-Asteroidea Crinoidea Echinoidea Holothuroidea Ophiuroidea
Mollusca	'Gastropoda Pelecypoda

Only the benthic invertebrates reported by investigators currently active in the Beaufort Sea were selected for plotting on distribution charts. These organisms include those collected by:

Dr. A.G. Carey, Jr. Oregon State University
-continental shelf and slope stations between Cape Halkett and Barter Island

Dr. H.M. Feder, University of Alaska
-Prudhoe Bay area

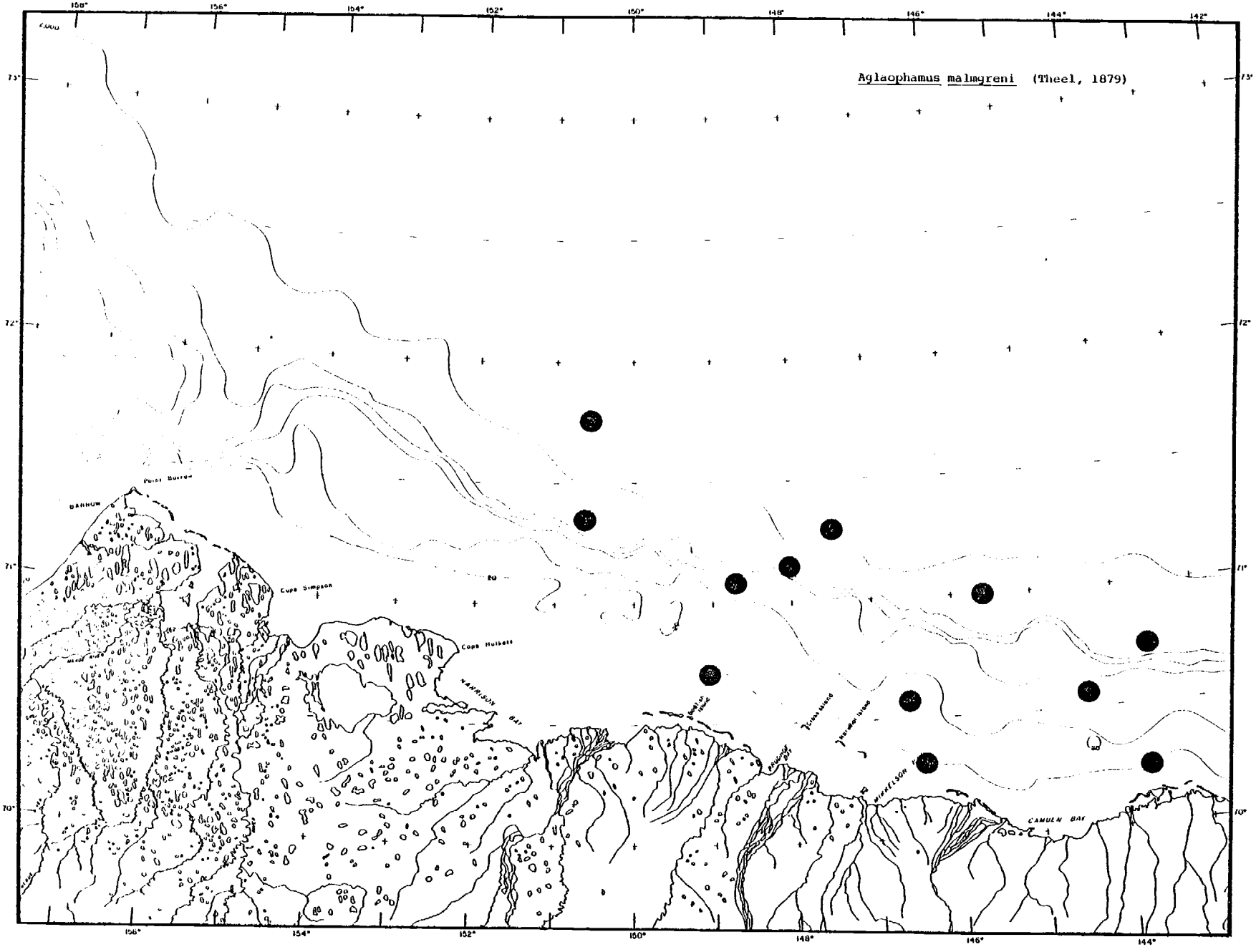
Dr. J.W. Wacasey, Dept. of Environment, Canada
-Eskimo Lakes region

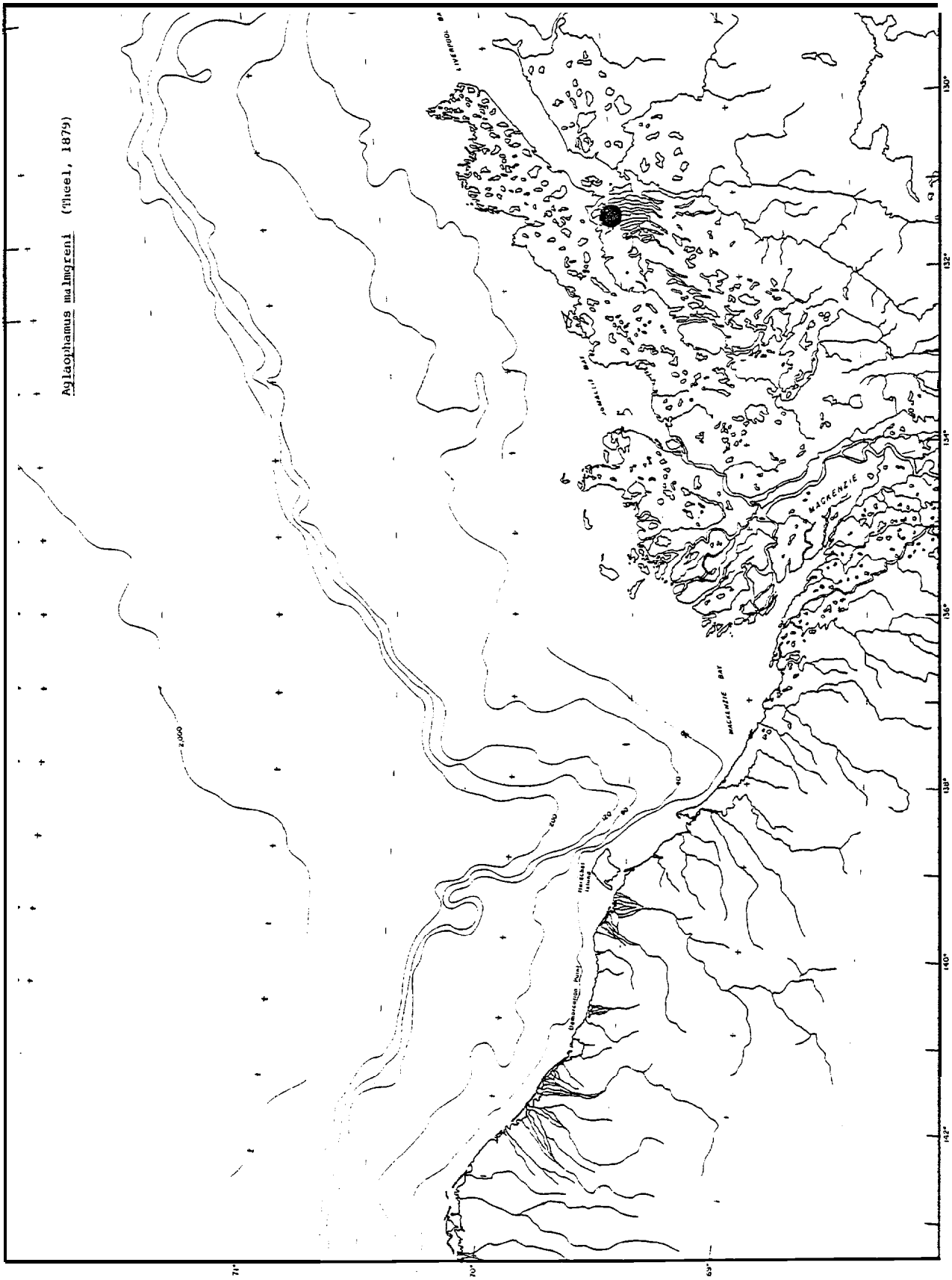
Additional distributional information has been incorporated, however, for those invertebrates which have also been found by the University of Alaska around the Colville River delta, or which have been reported from collections made by Dr. G.E. MacGinitie near the Naval Arctic Research Laboratory at Point Barrow.

The organisms which have distribution charts have been indicated on the species list with a capital "C" preceding the species name.

Species Distributions:

Annelida -- Polychaeta


Aglaophamus malmgreni (Theel, 1879)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Jeanette Island
MIKKELSON
CANUEN BAY


Aglaophamus malmgreni (Theel, 1879)
MACKENZIE
MACKENZIE BAY
2,000
200
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69°
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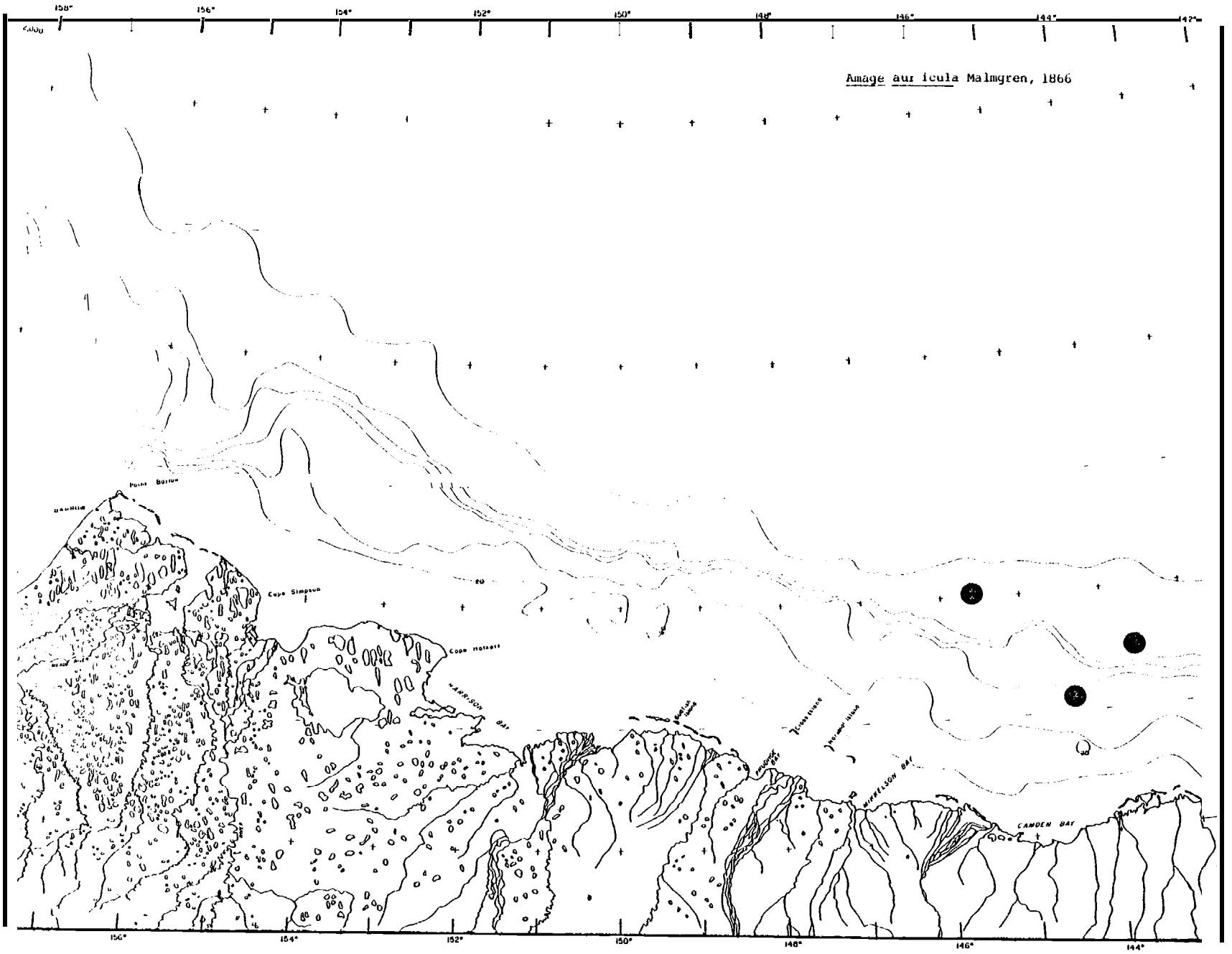
132°
134°
136°
138°
140°
142°


Amage aur icula Malmgren, 1866
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
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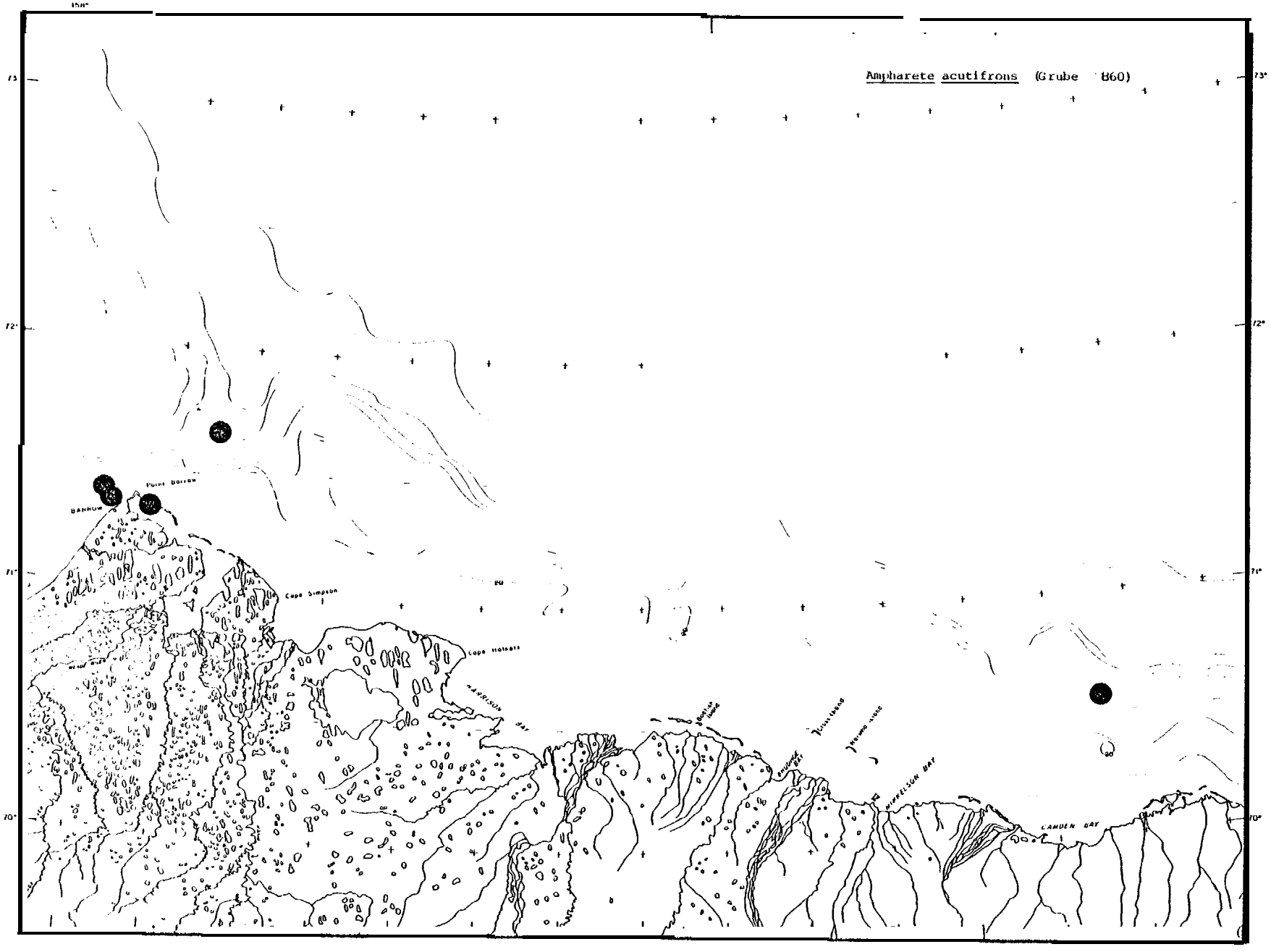
148°
146°
144°
142°
3°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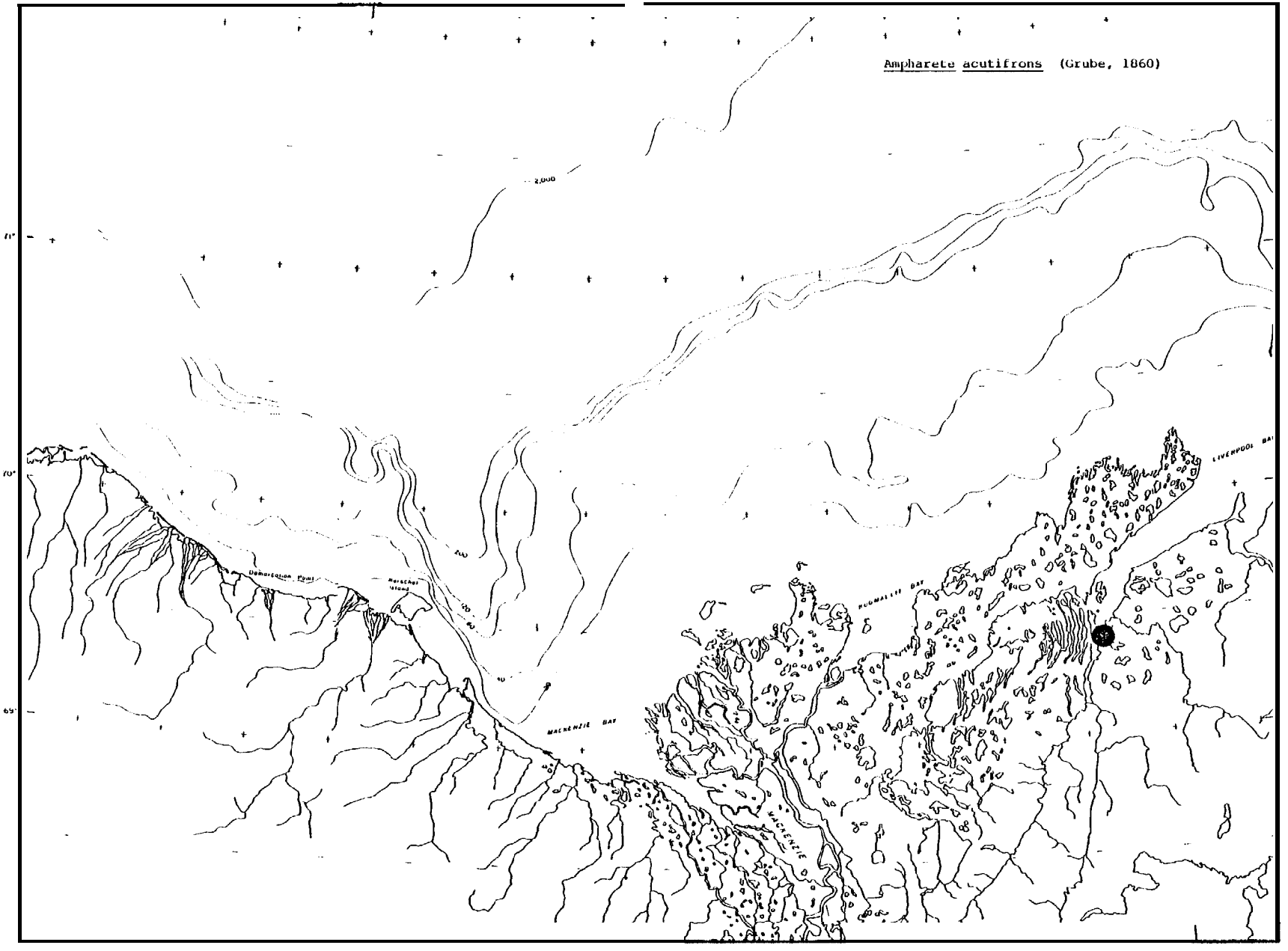
Cape Halkett
HARRISON BAY
CAMDEN BAY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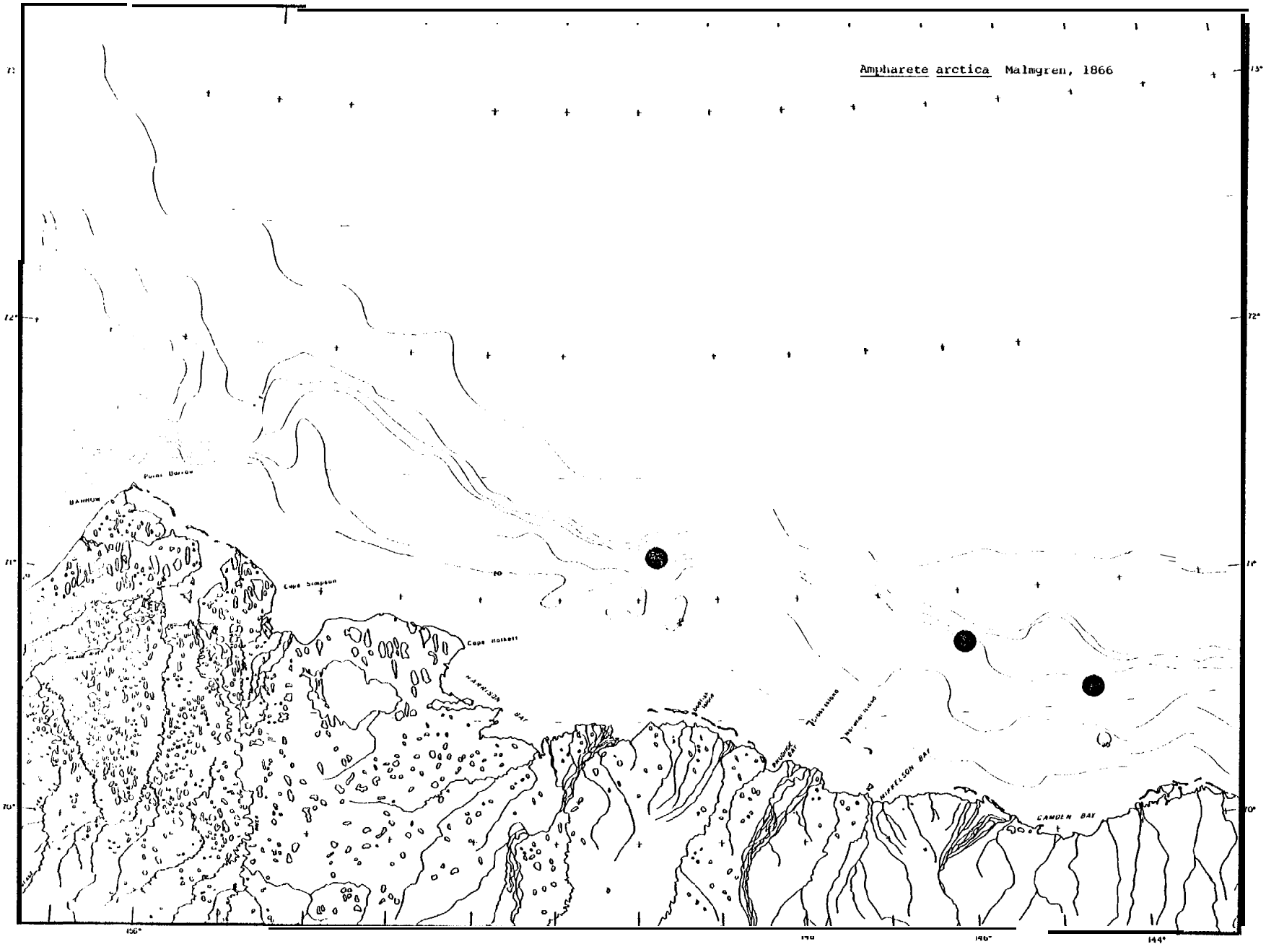
2,000
200
120
80
40
Demarcation Point
Herschel Island
MACKENZIE BAY
MACKENZIE
LIVERPOOL BAY
71°
70°
69°


Ampharete arctica Malmgren, 1866
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
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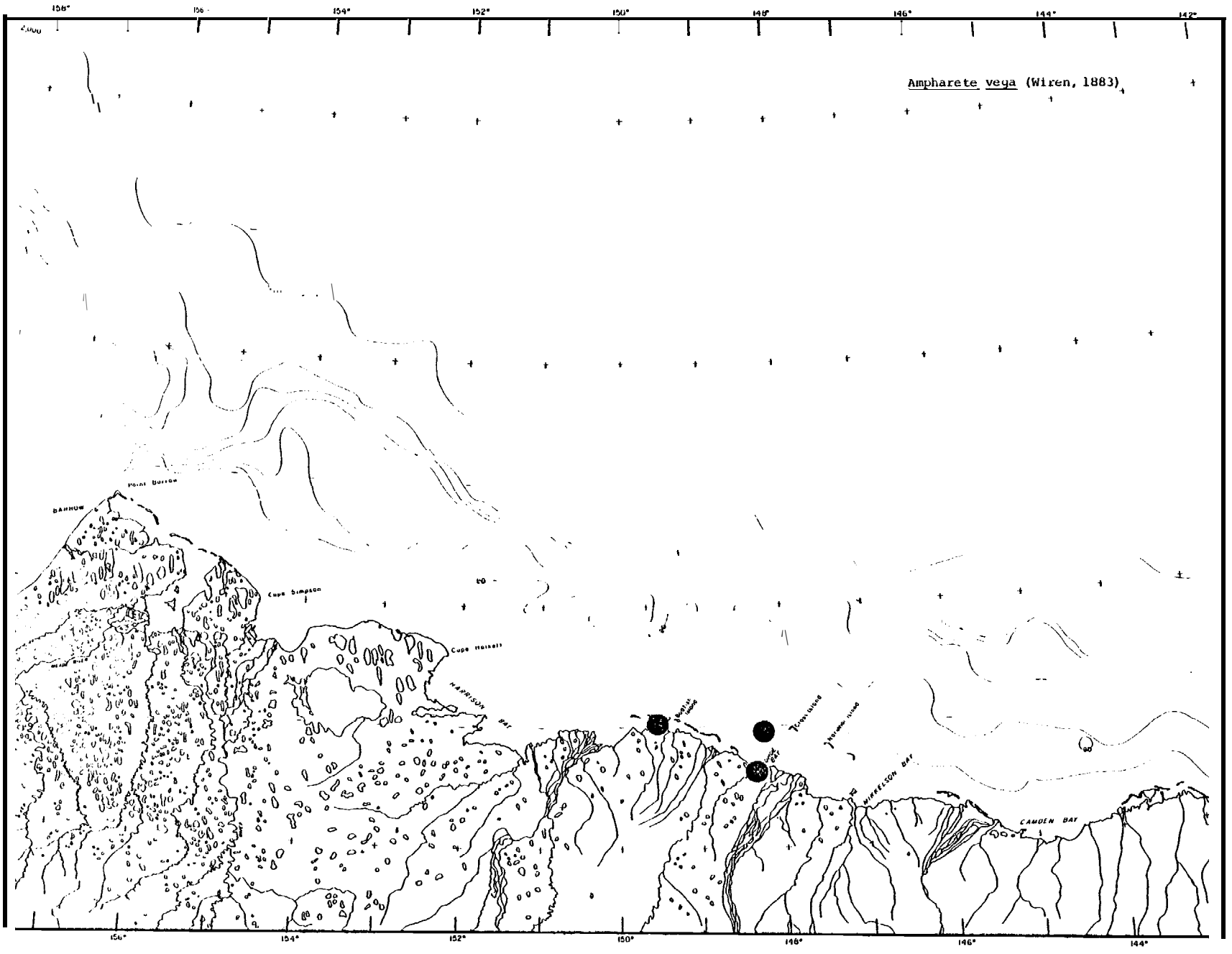
71°
70°
156°
144°


Ampharete vega (Wiren, 1883)
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154°
152°
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148°
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144°
142°
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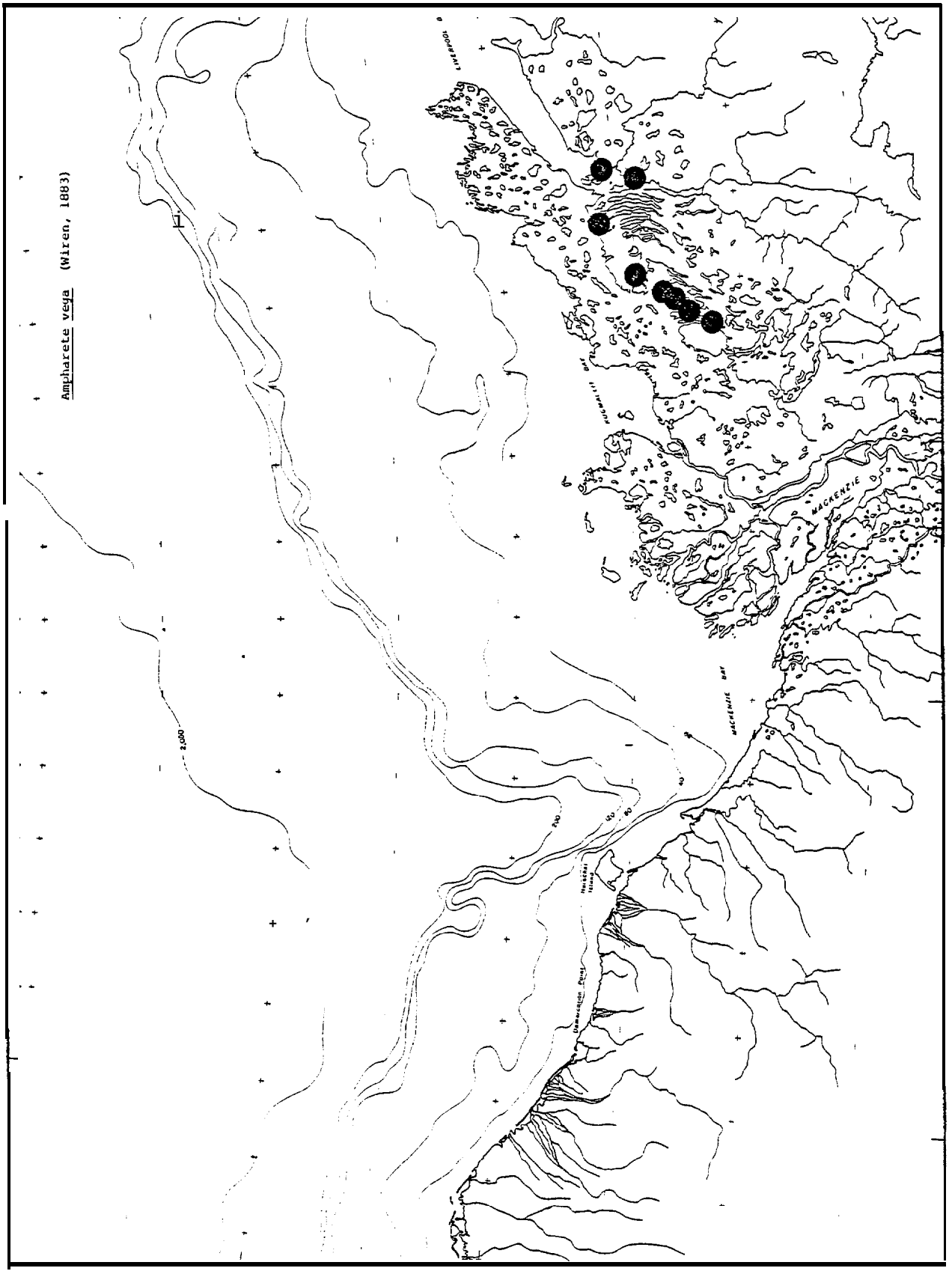
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Thetis Island
Jeanette Island
MIKKELSON BAY
CAMDEN BAY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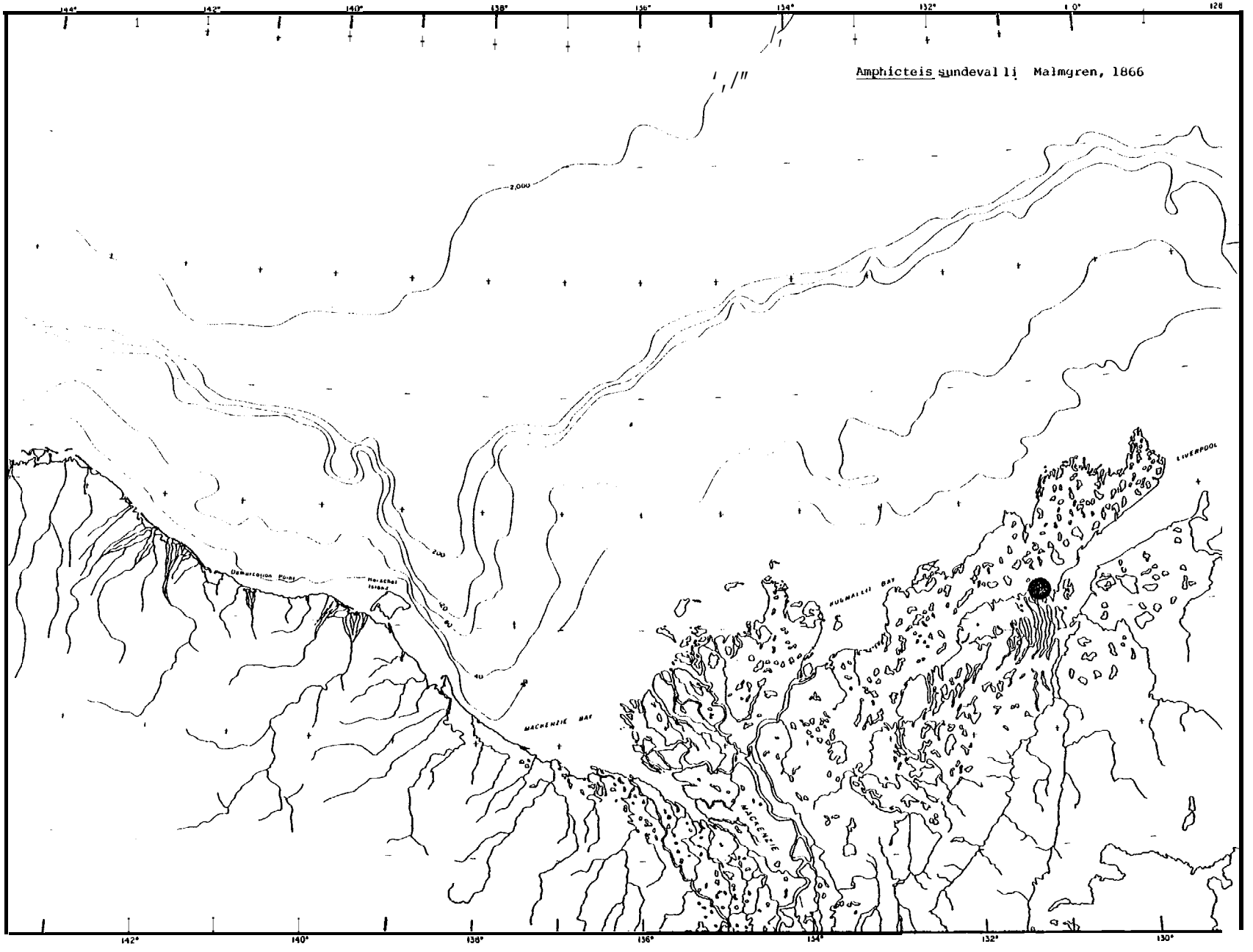
MACKENZIE
MACKENZIE BAY
2,000


Amphicteis sundevalli Malmgren, 1866
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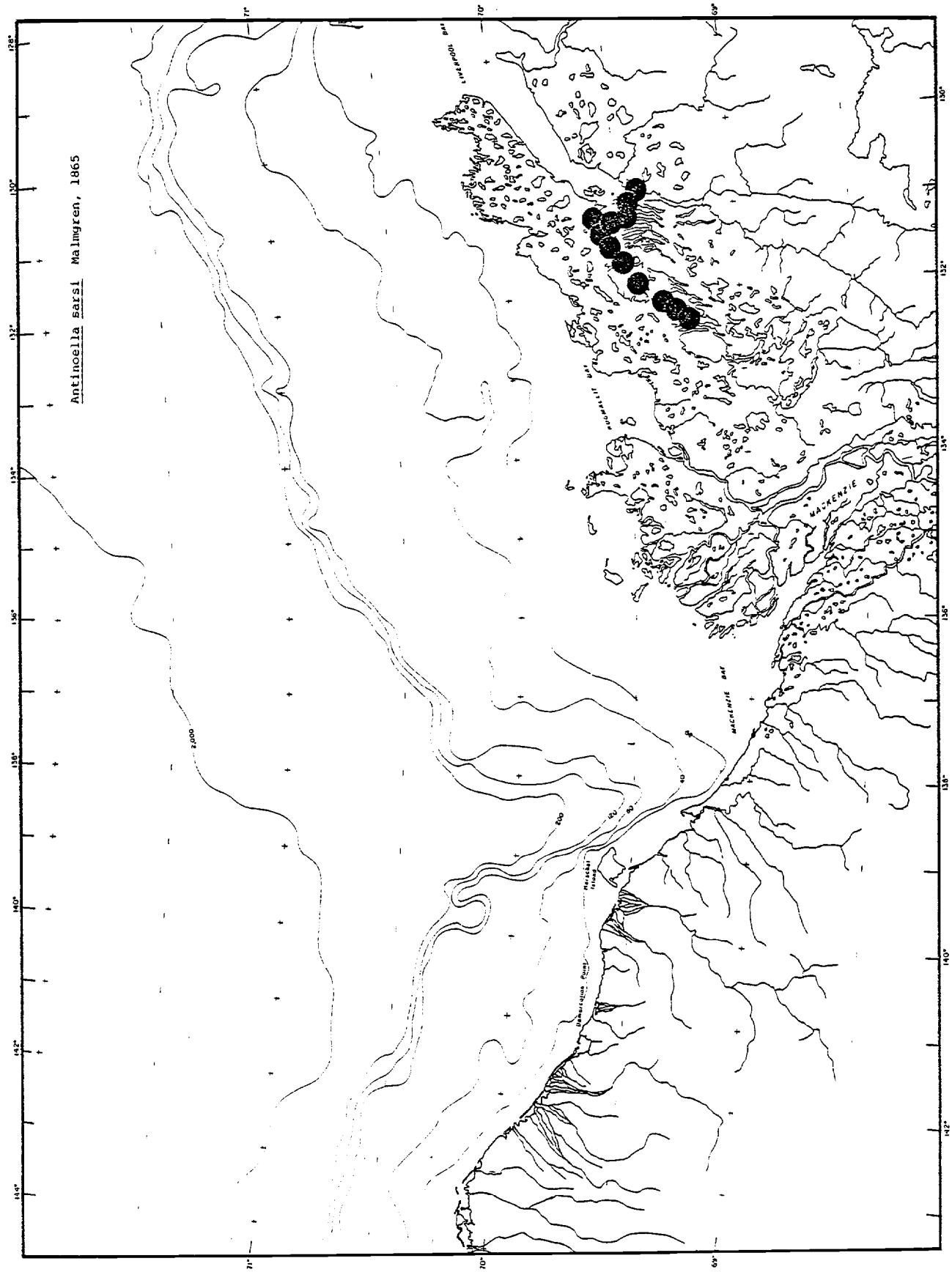
142°
140°
138°
136°
134°
132°
130°
128
2,000
MACKENZIE BAY
KUGMALLIT BAY
LIVERPOOL


Antinoella sarsi Malmgren, 1865
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MACKENZIE BAY
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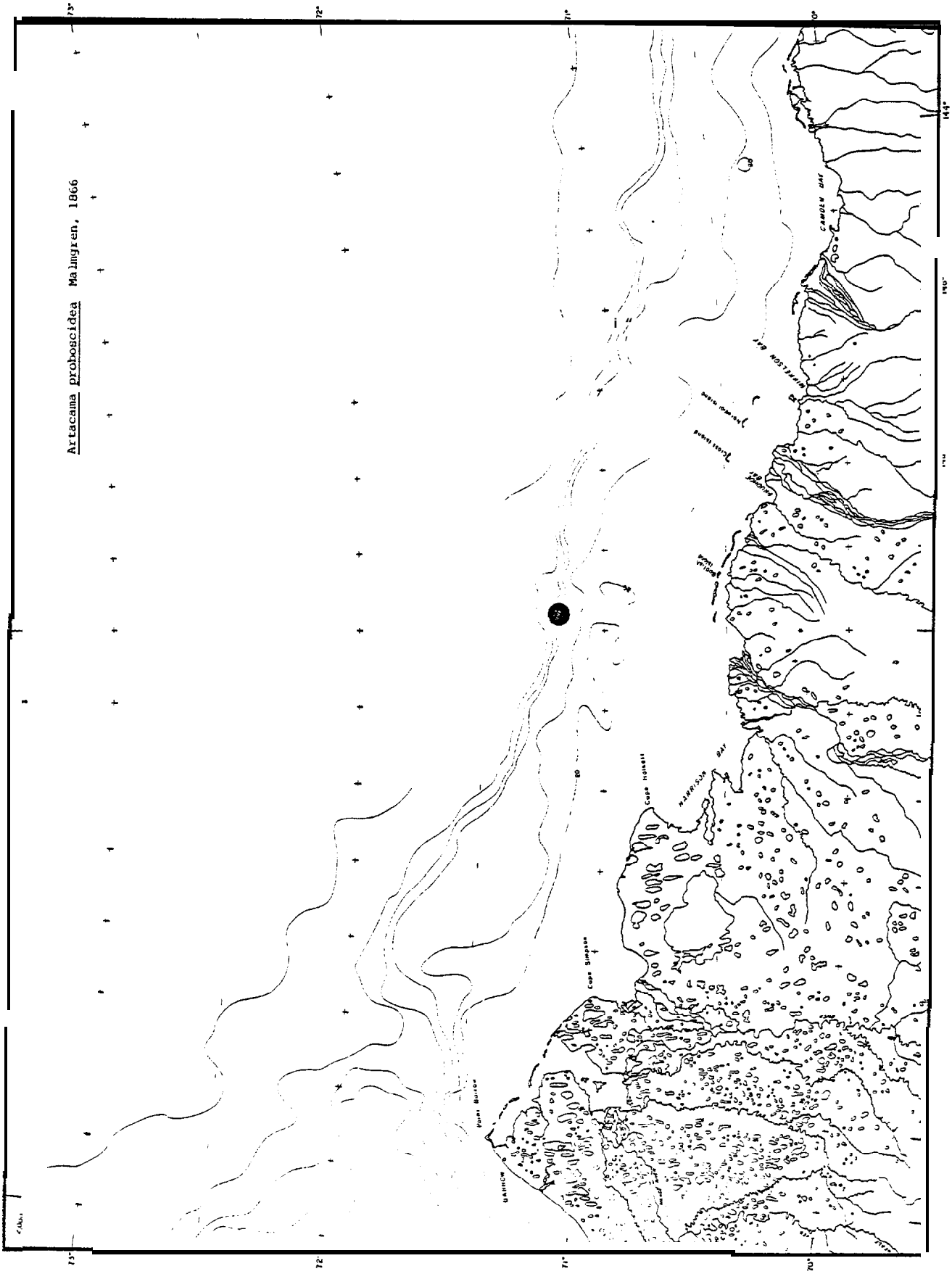
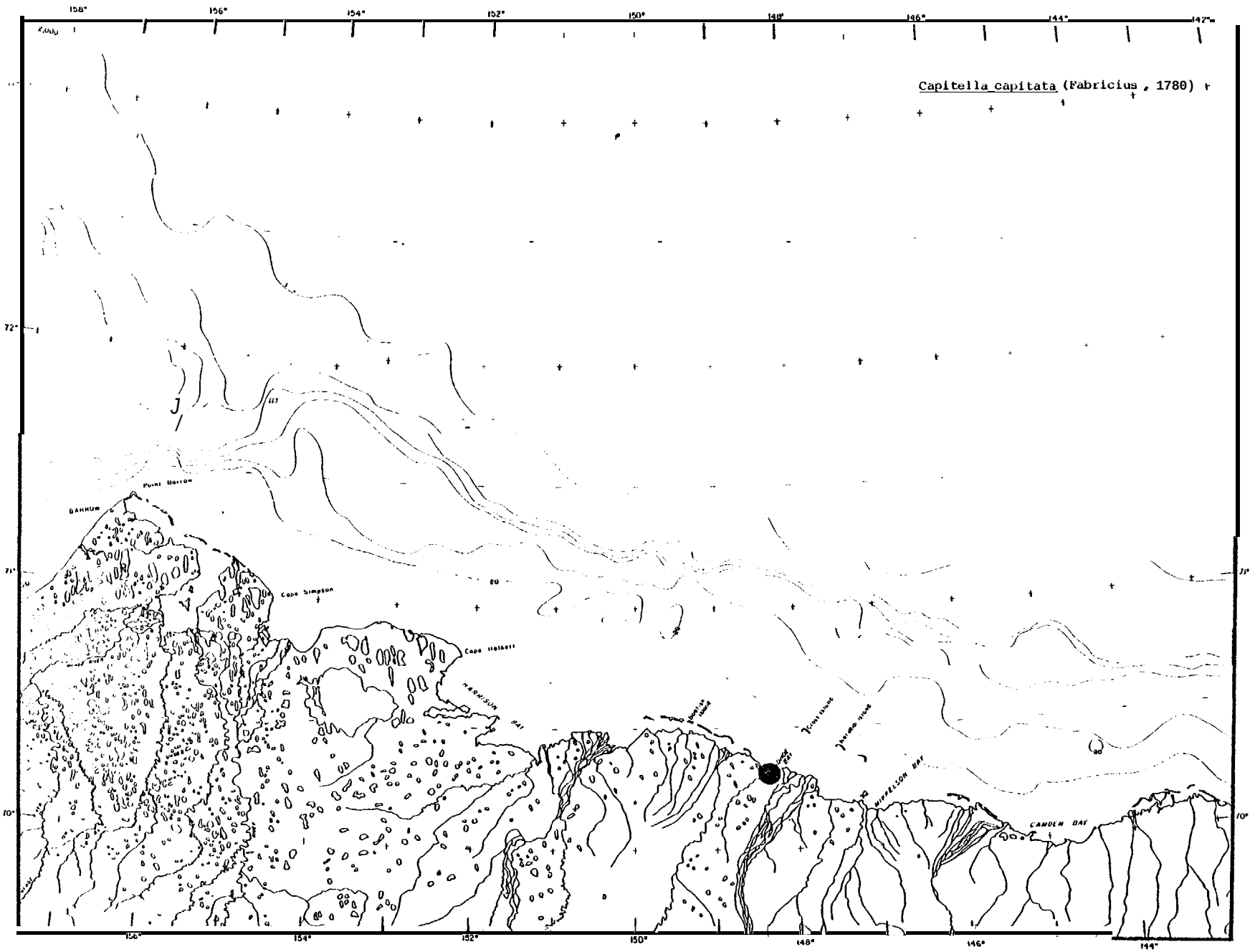
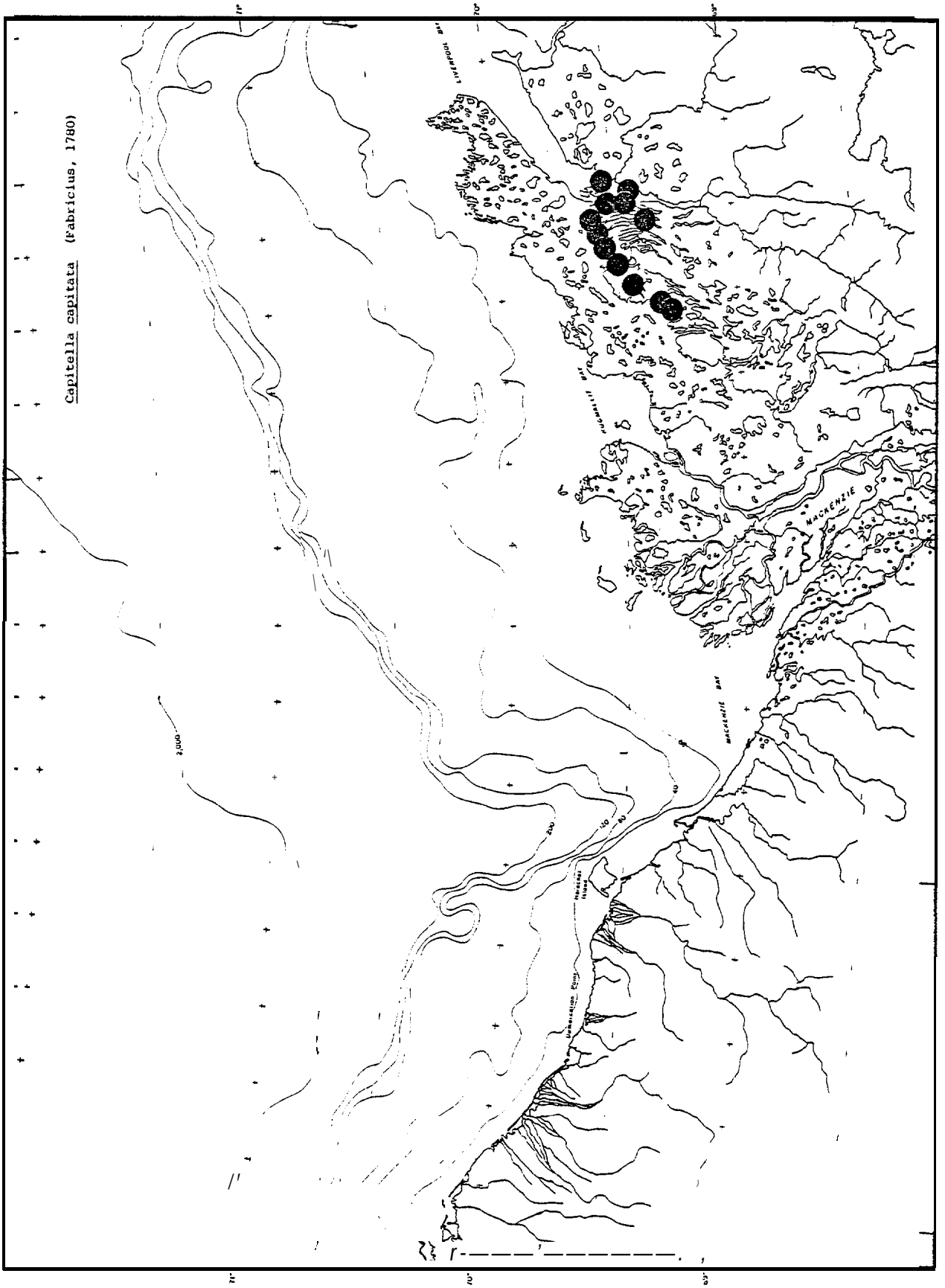
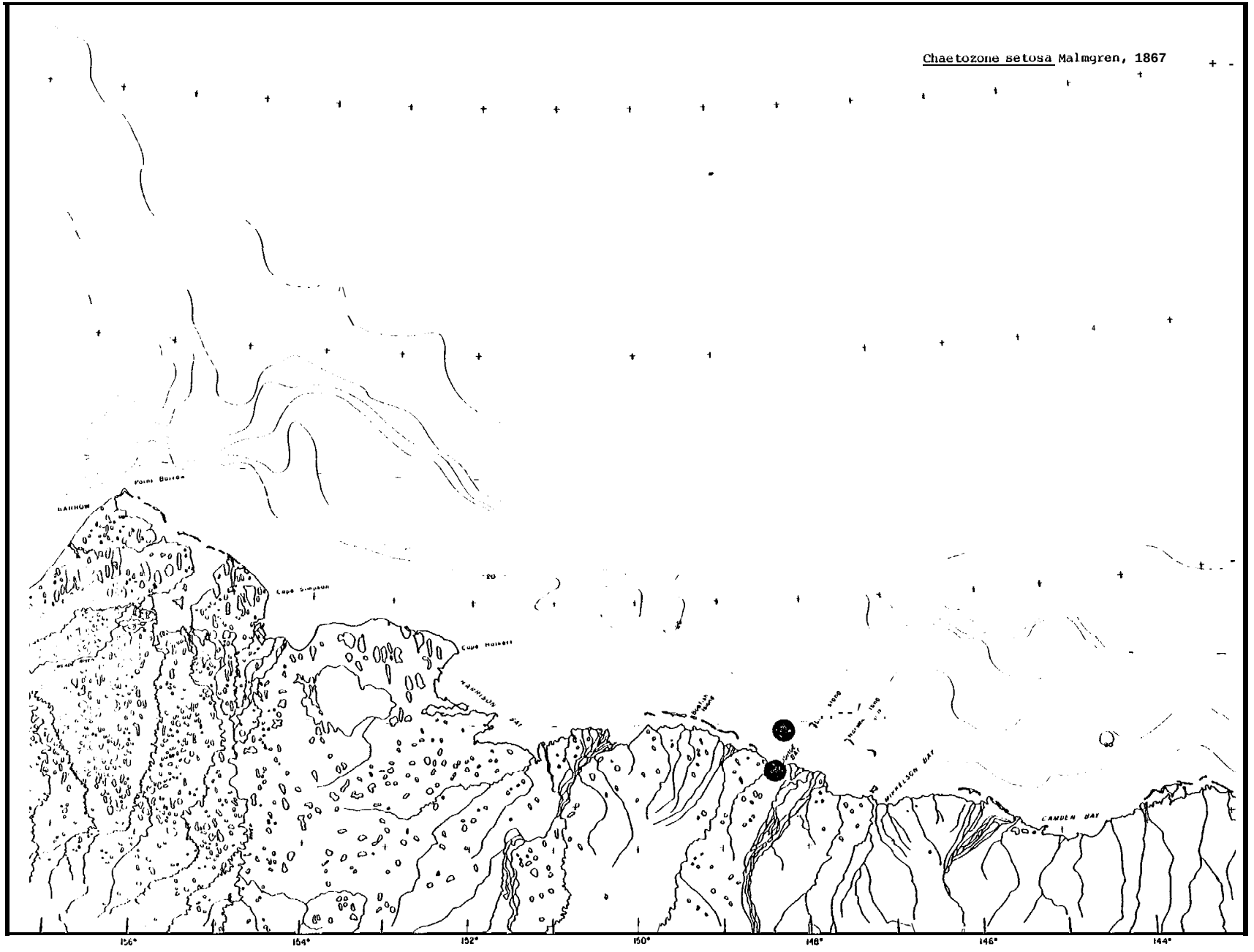
20
60

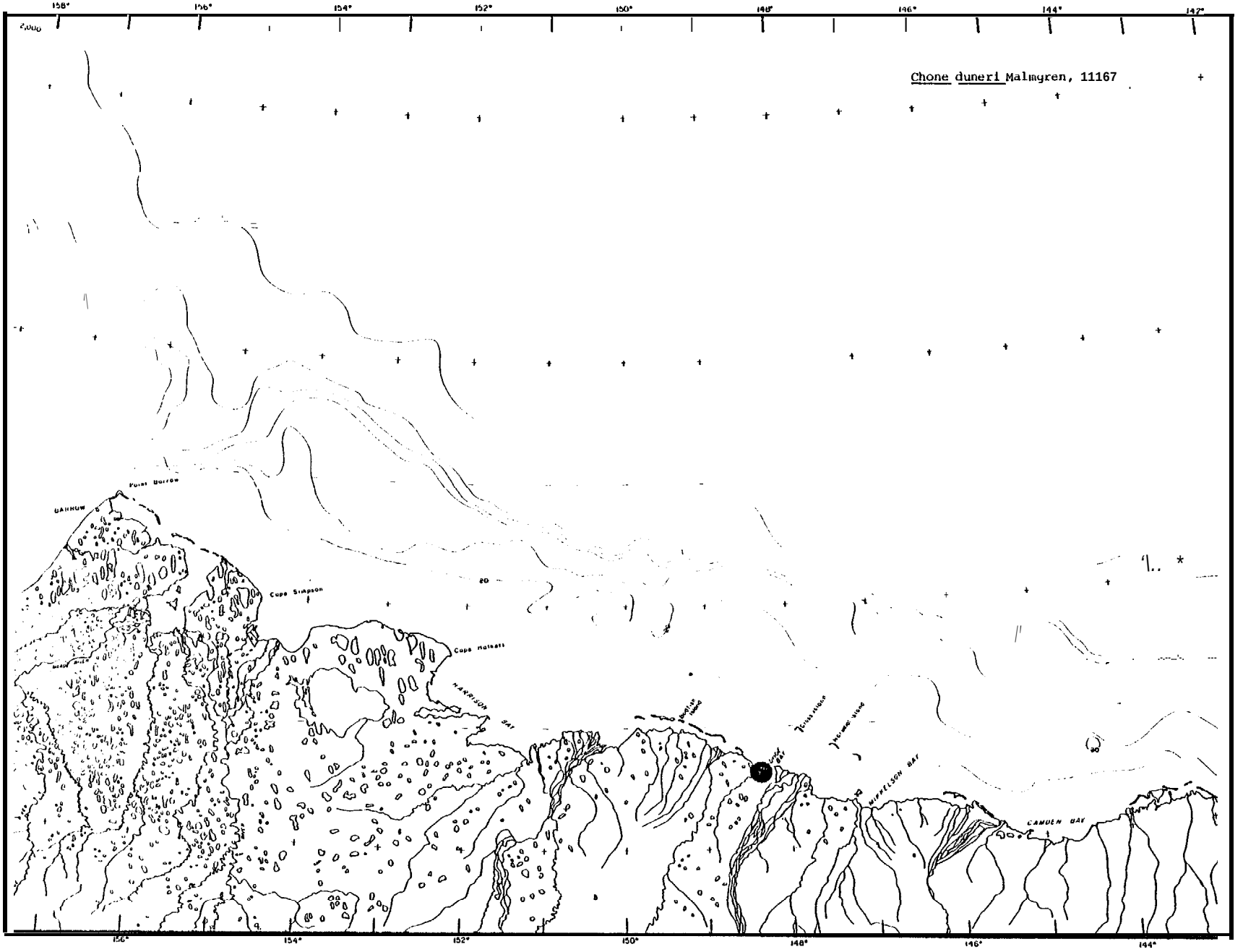

Artacama proboscidea Malmgren, 1866
73°
72°
71°
70°
CAMDEN BAY
HARRISON BAY
Cape Hobart
Cape Simpson
Point Barrow


Capitella capitata (Fabricius, 1780)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
72°
71°
70°

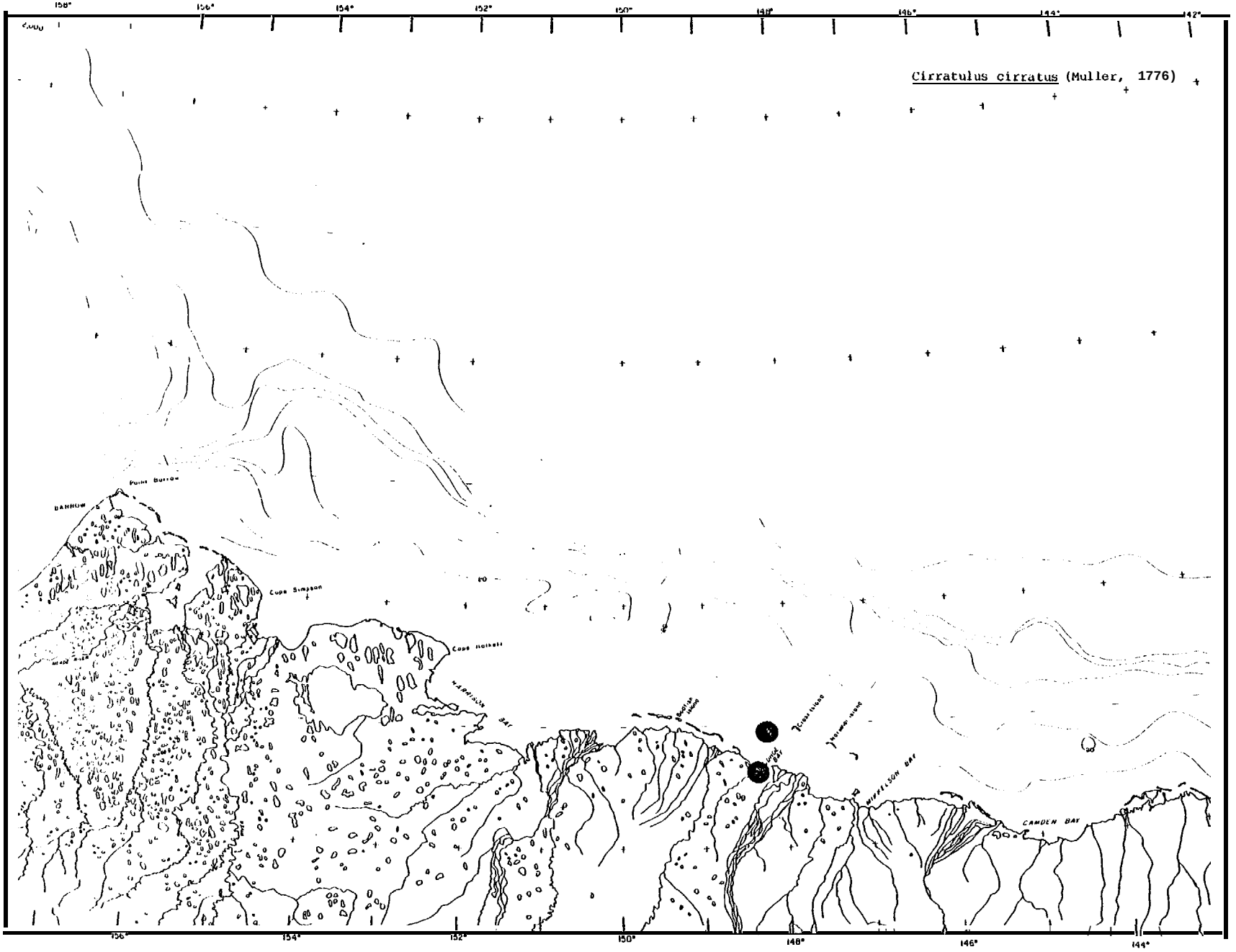


Capitella capitata (Fabricius, 1780)


Chaetozone setosa Malmgren, 1867
156°
154°
152°
150°
148°
146°
144°
CAMDEN BAY


Chone duneri Malmgren, 11167
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

1a


Cirratulus cirratus (Muller, 1776)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIFFELSON BAY
CAMDEN BAY
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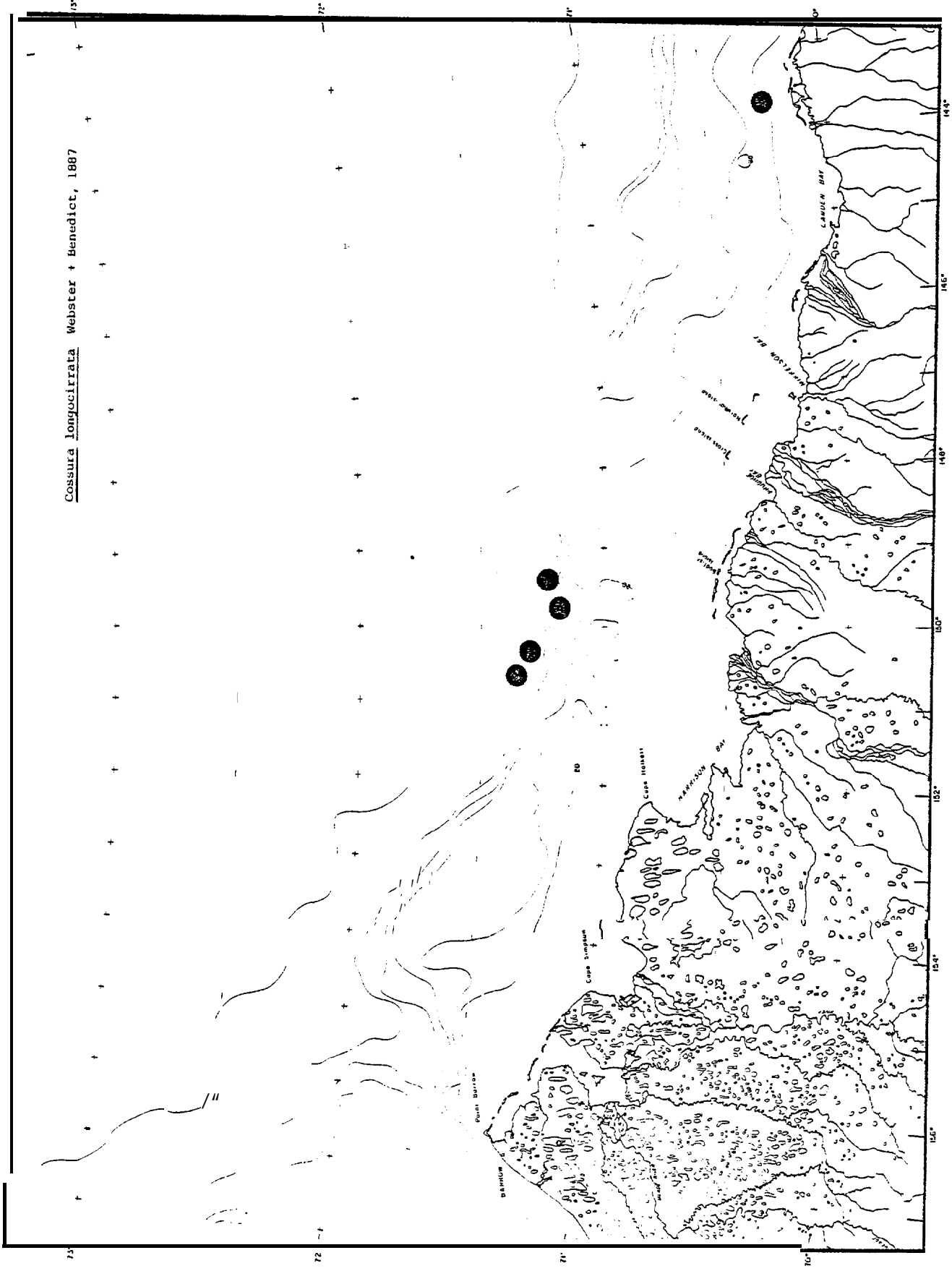
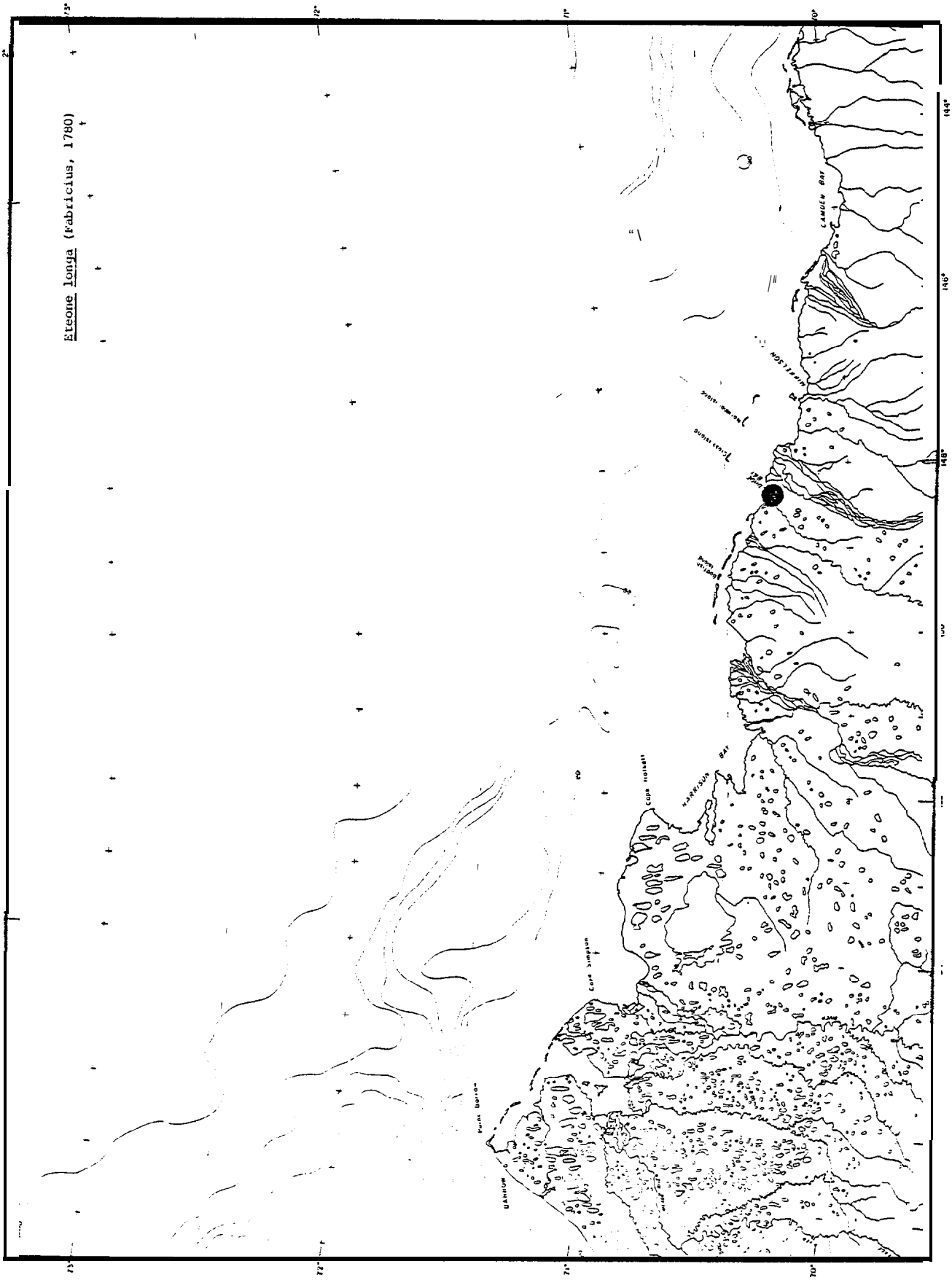
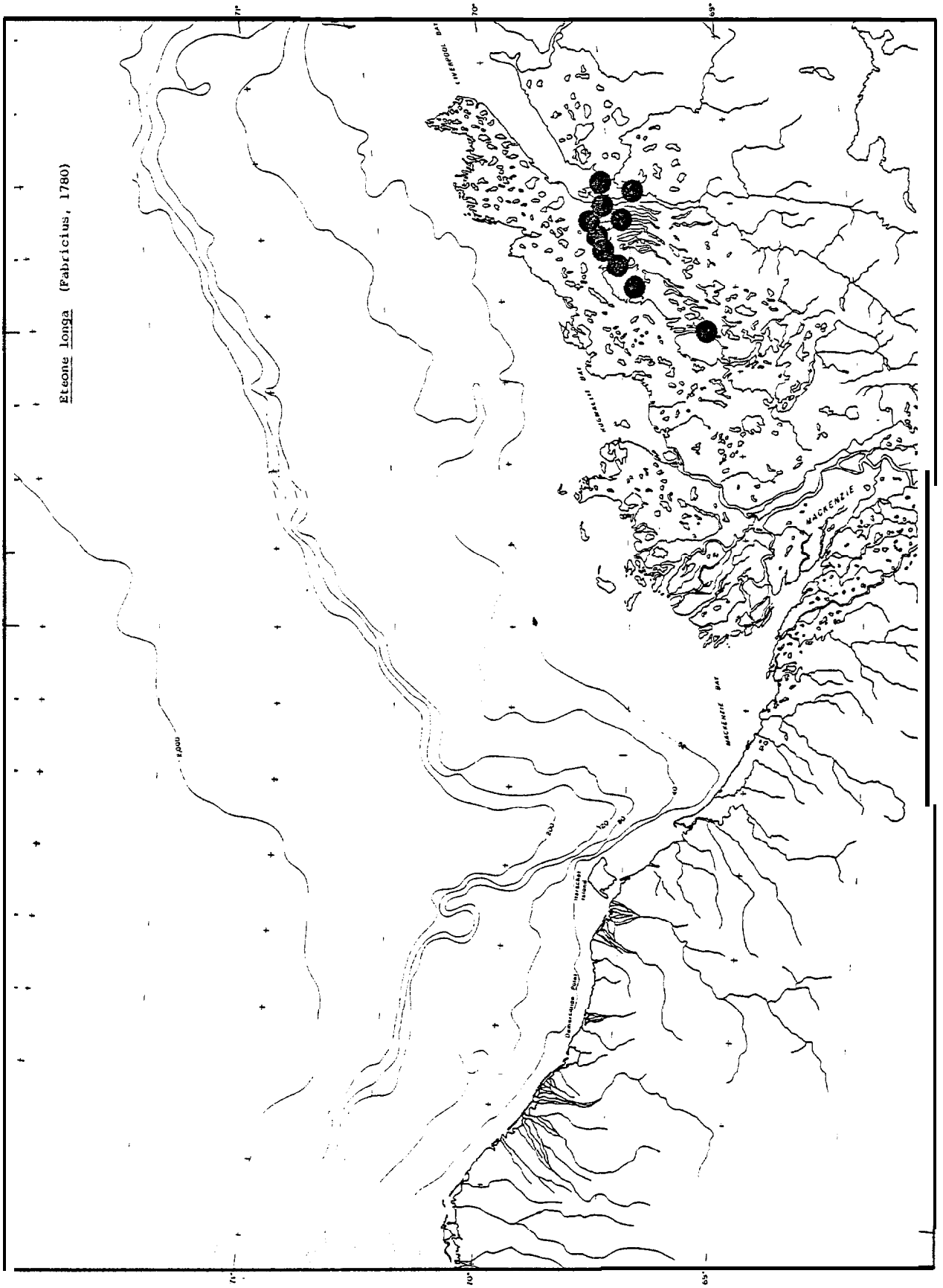
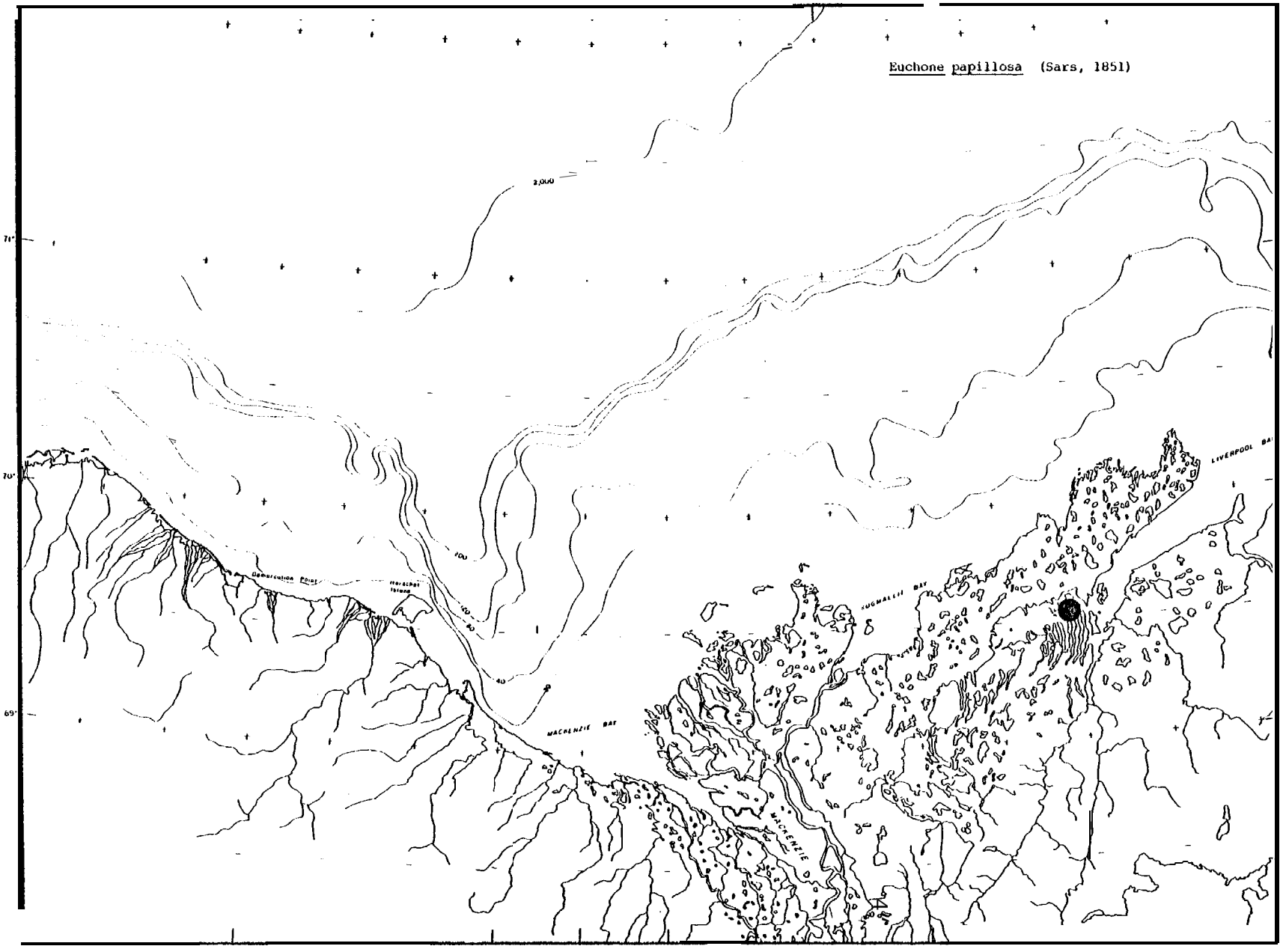
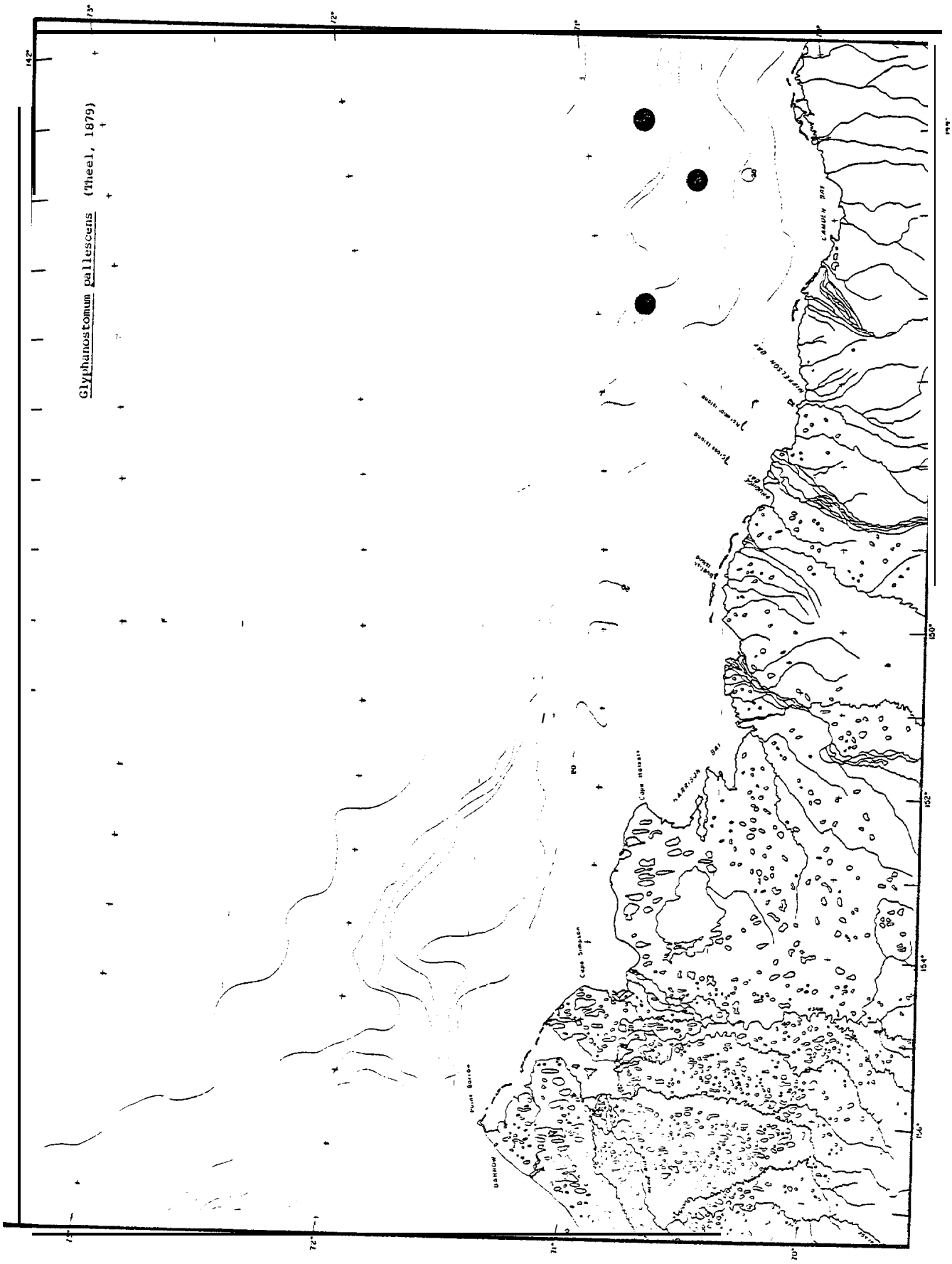
150°
148°
146°
144°
142°

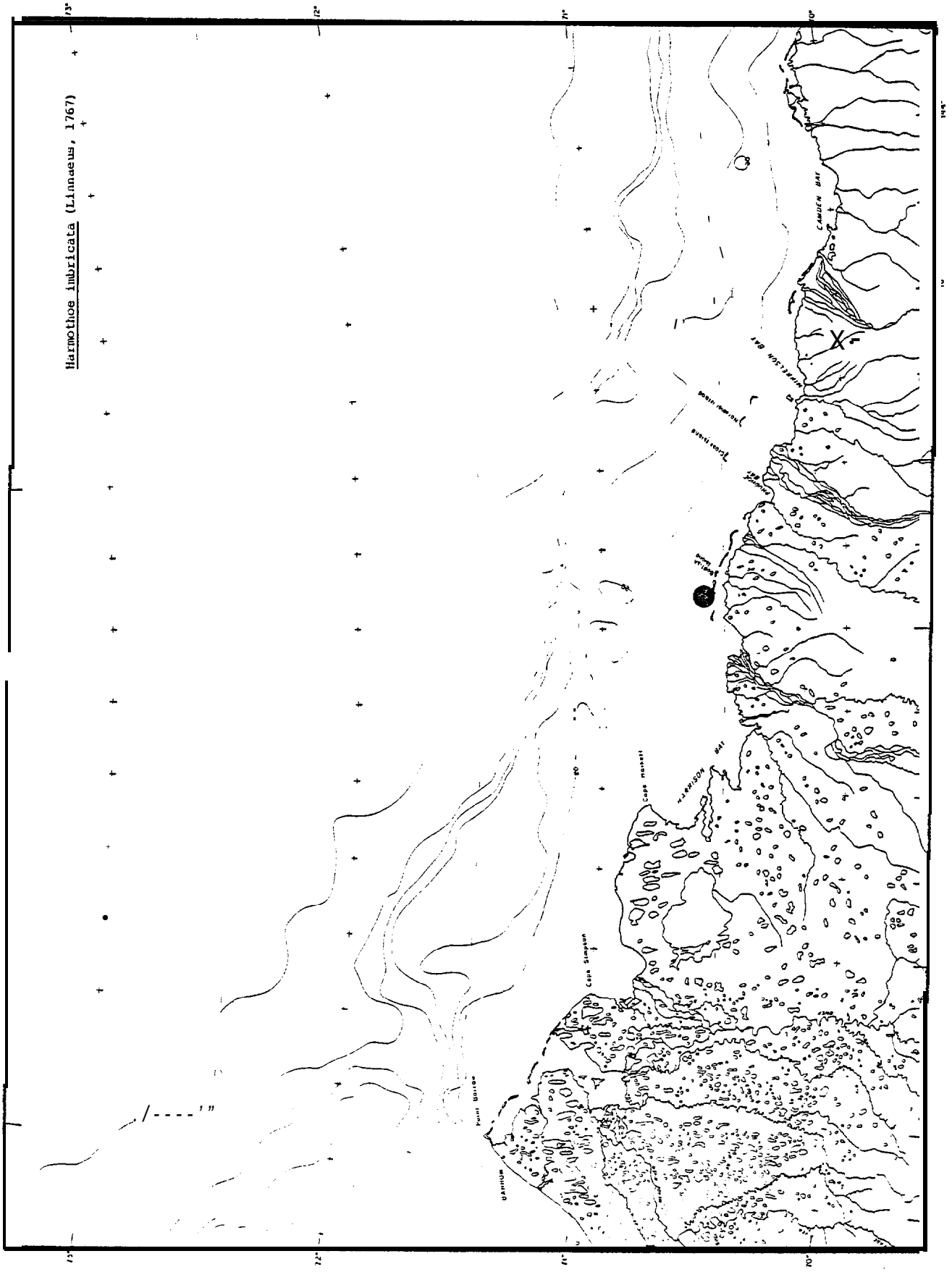

Cossura longocirrata Webster + Benedict, 1887

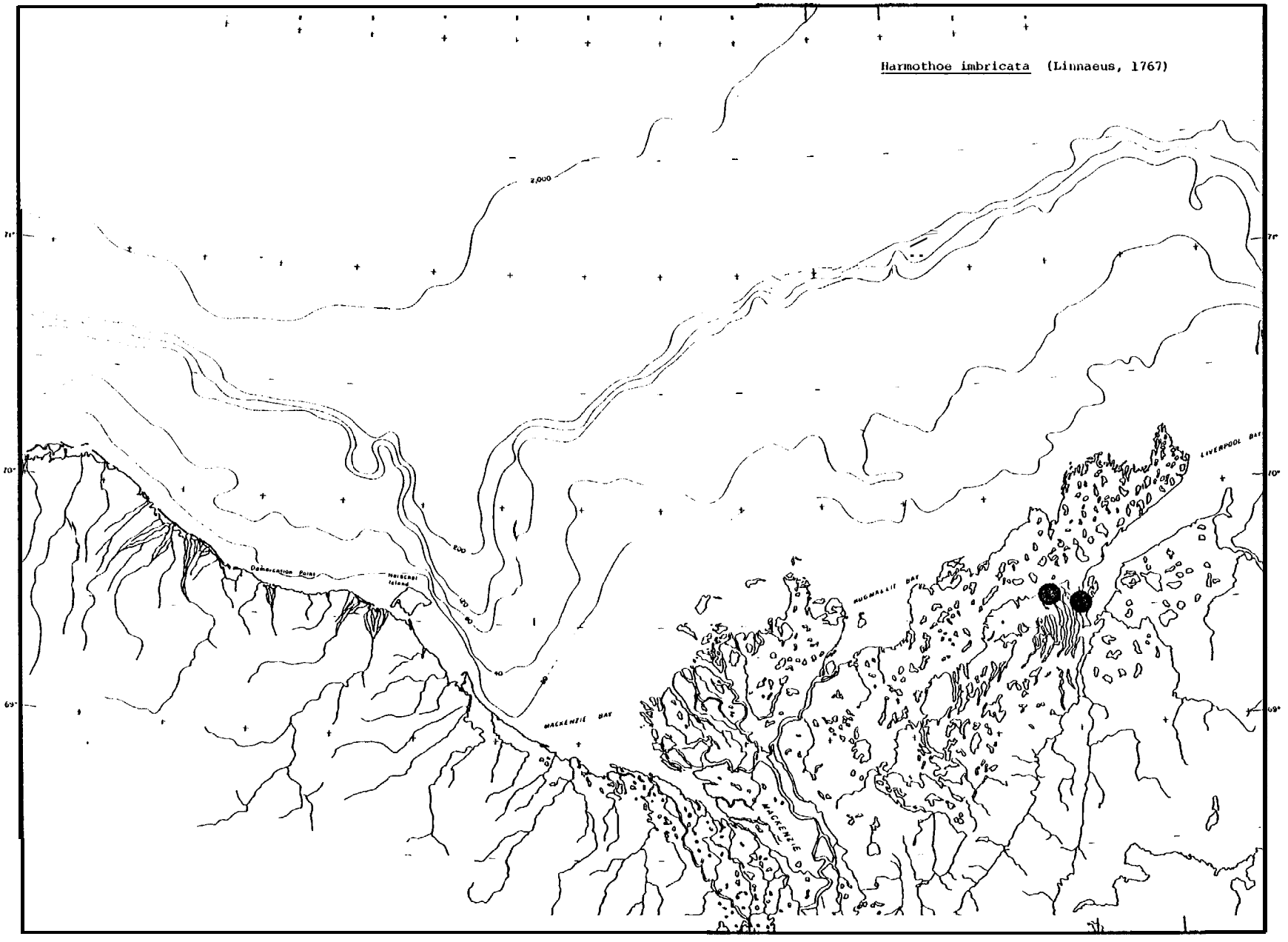

Eteone longa (Fabricius, 1780)

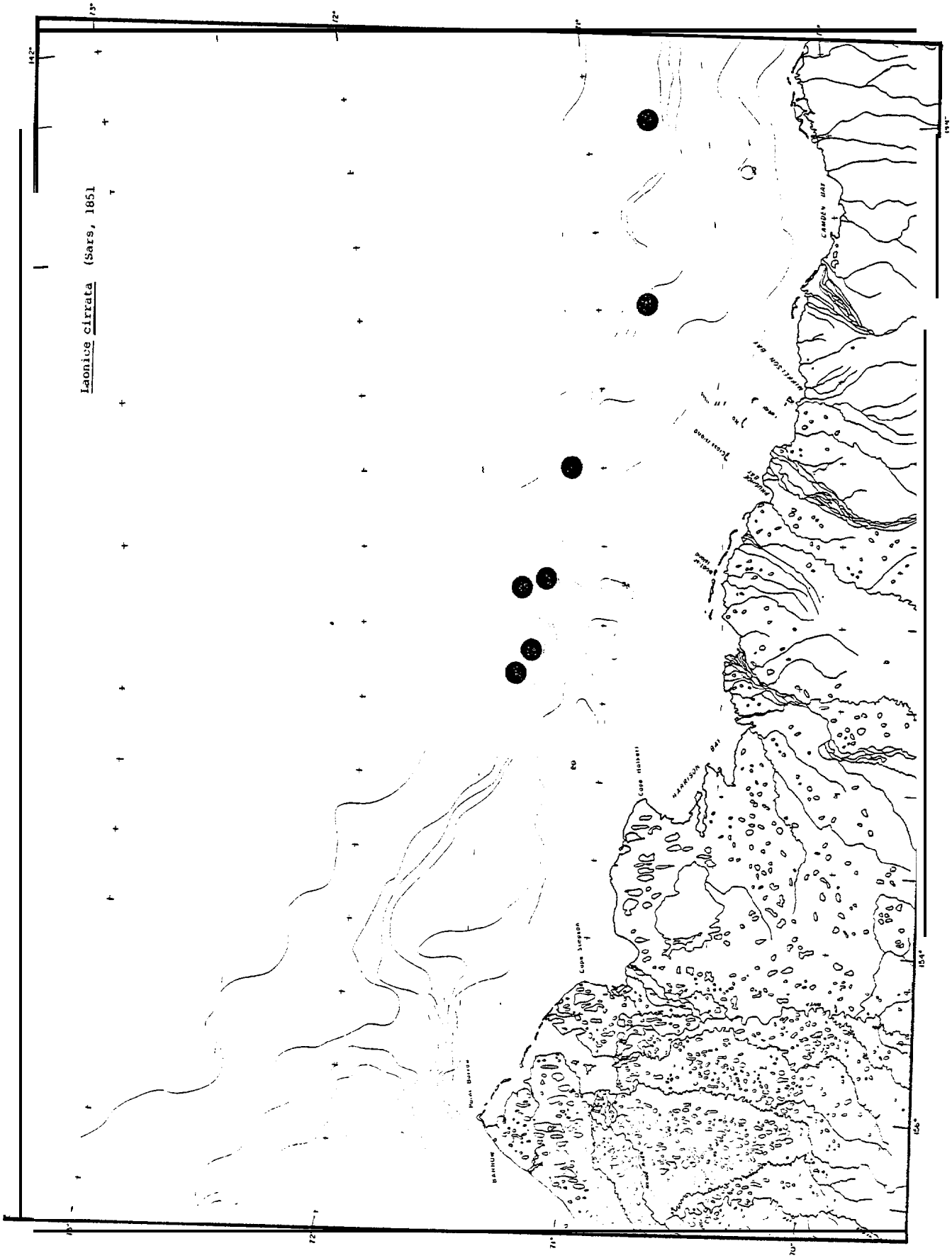

Eteone longa (Fabricius, 1780)
MACKENZIE
MACKENZIE BAY

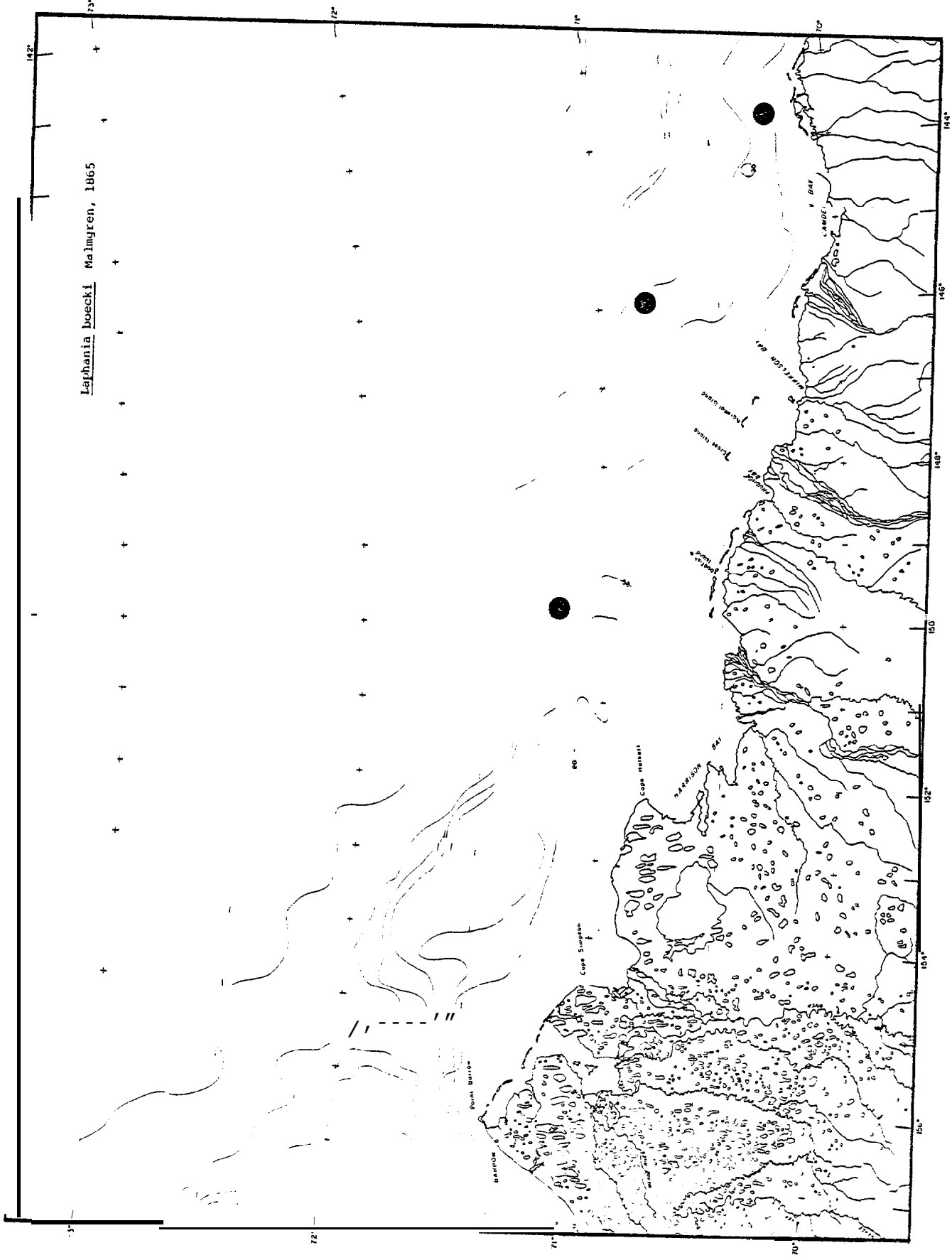

Euchone papillosa (Sars, 1851)
2,000
71°
70°
69°
Demarcation Point
Herschel Island
200
120
80
40
MACKENZIE BAY
MACKENZIE
KUGMALLIT BAY
LIVERPOOL BAY

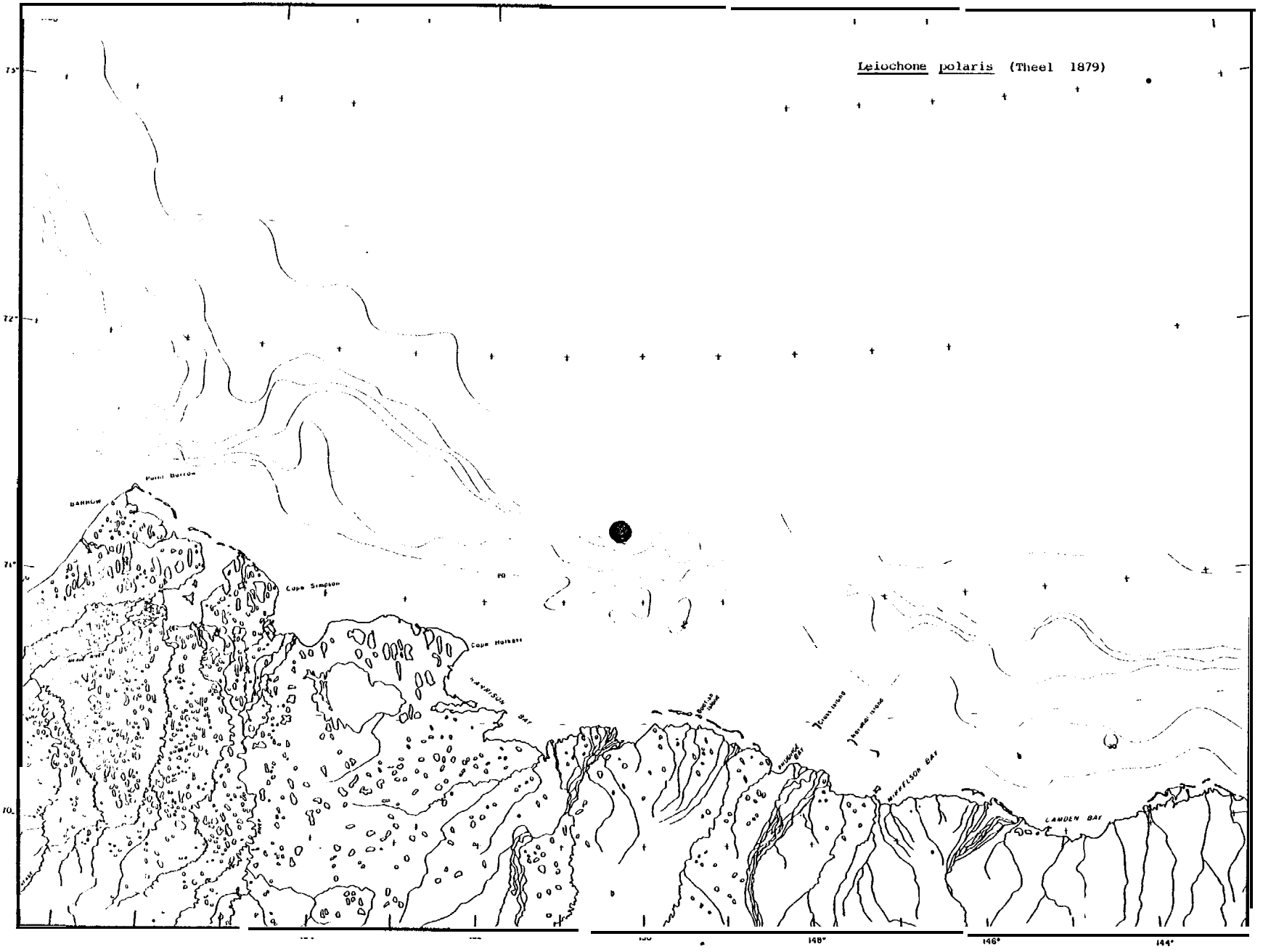

Glyphanostomum pallescens (Theel, 1879)

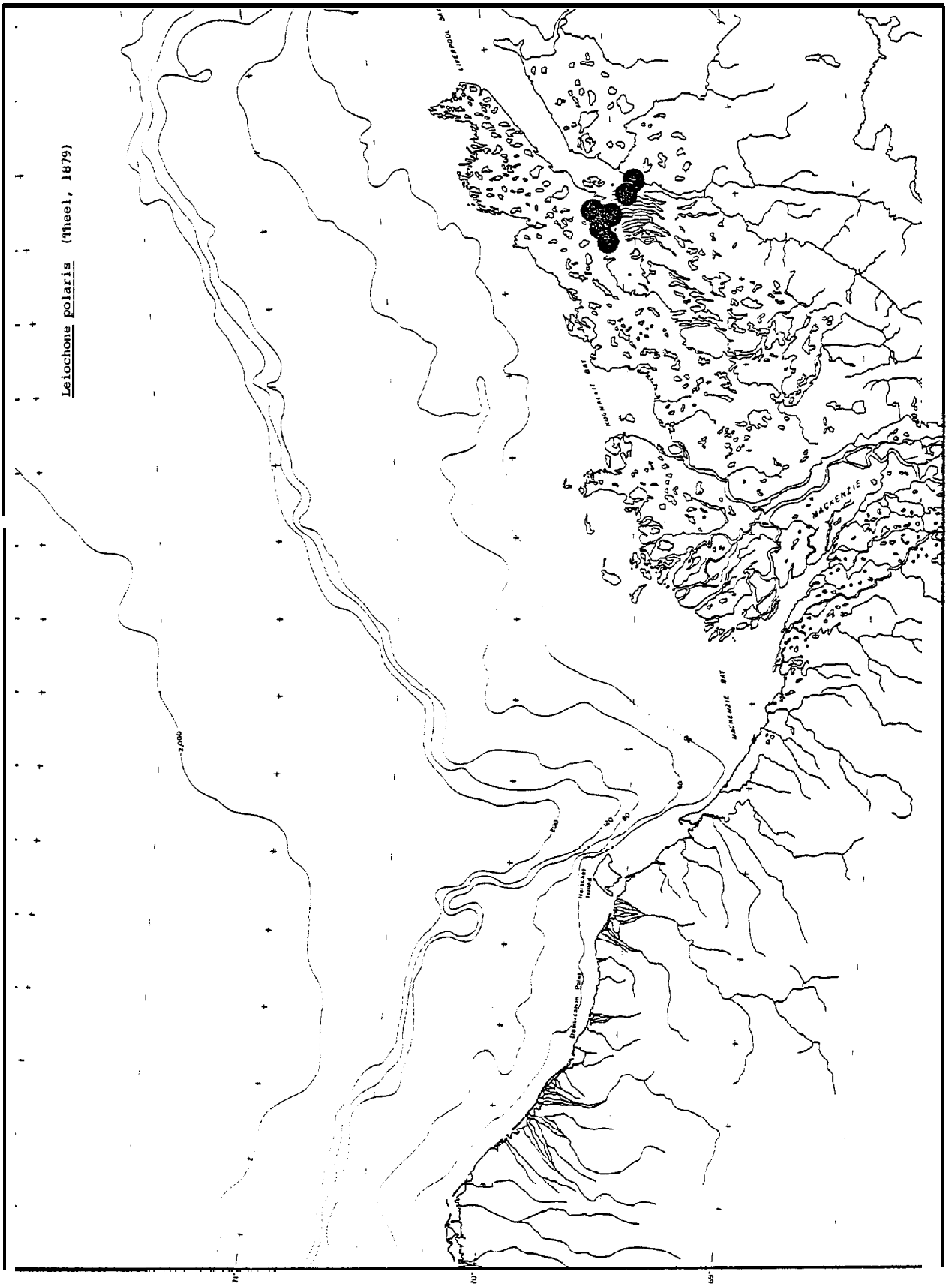

Harmothoe imbricata (Linnaeus, 1767)

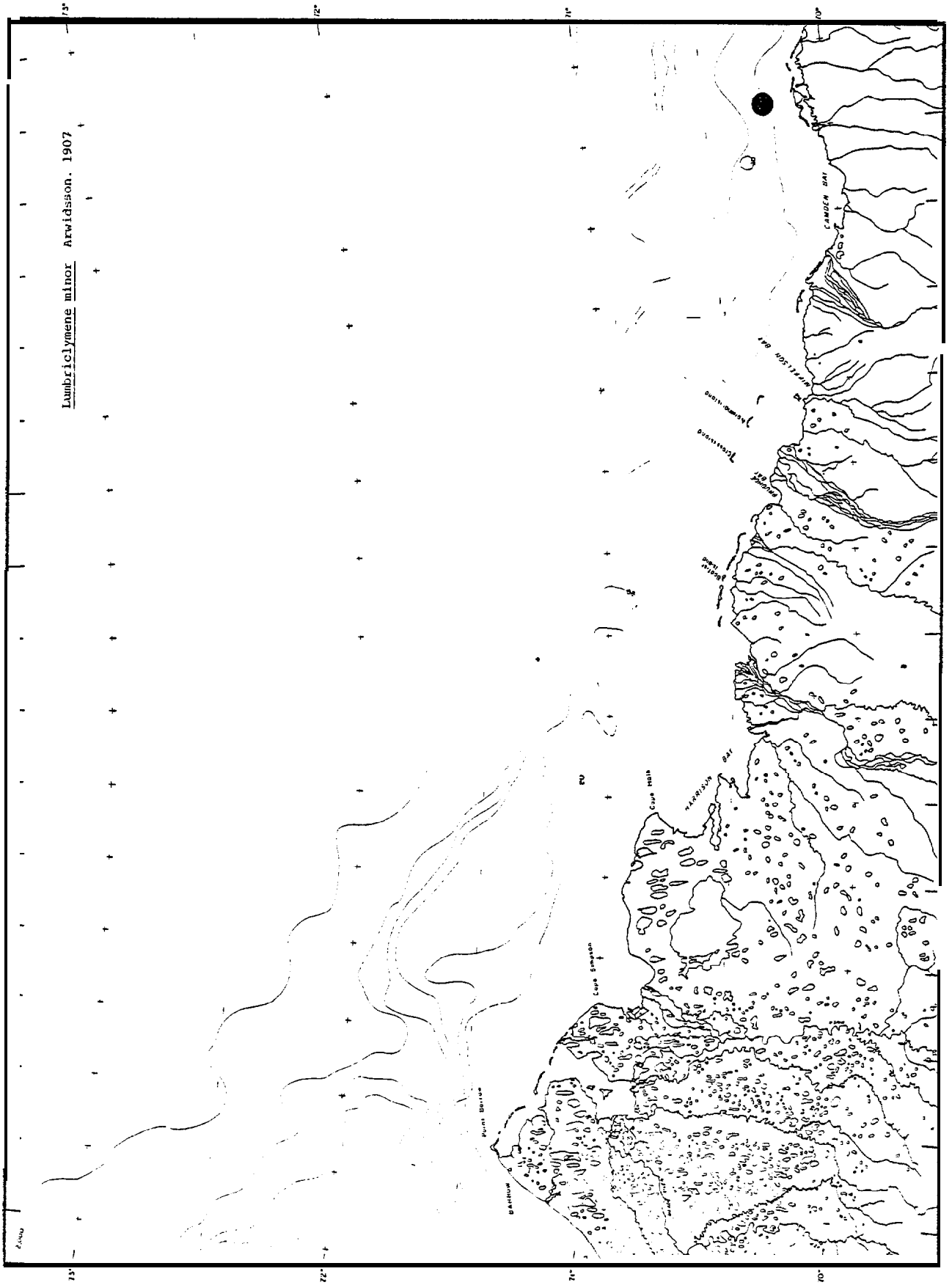

Harmothoe imbricata (Linnaeus, 1767)
2,000
200
Demarcation Point
Herschel Island
MACKENZIE BAY
MACKENZIE
HUGHALLIE BAY
LIVERPOOL BAY
71°
70°
69°

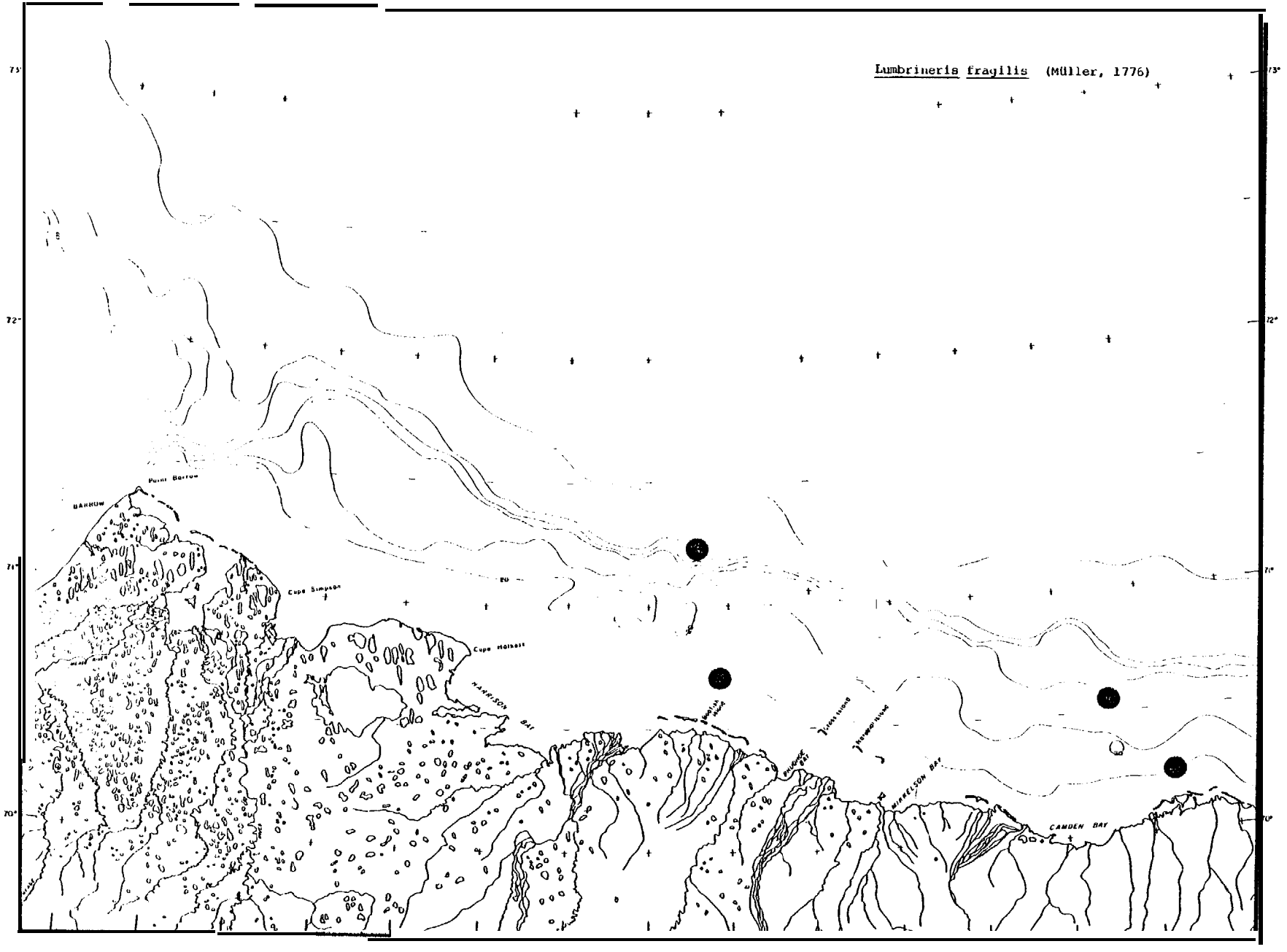

Laonice cirrata (Sars, 1851

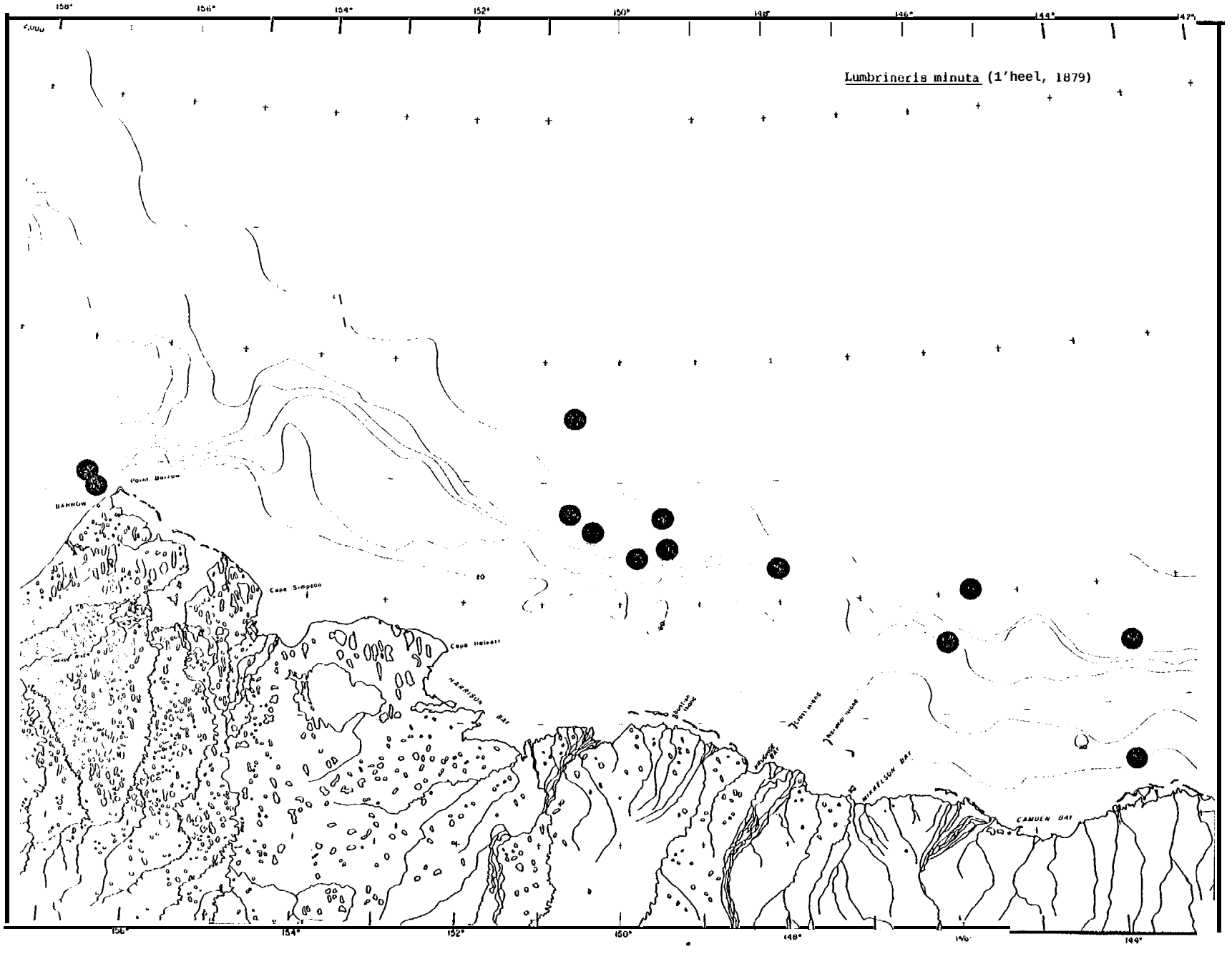

Laphania boecki Malmgren, 1865

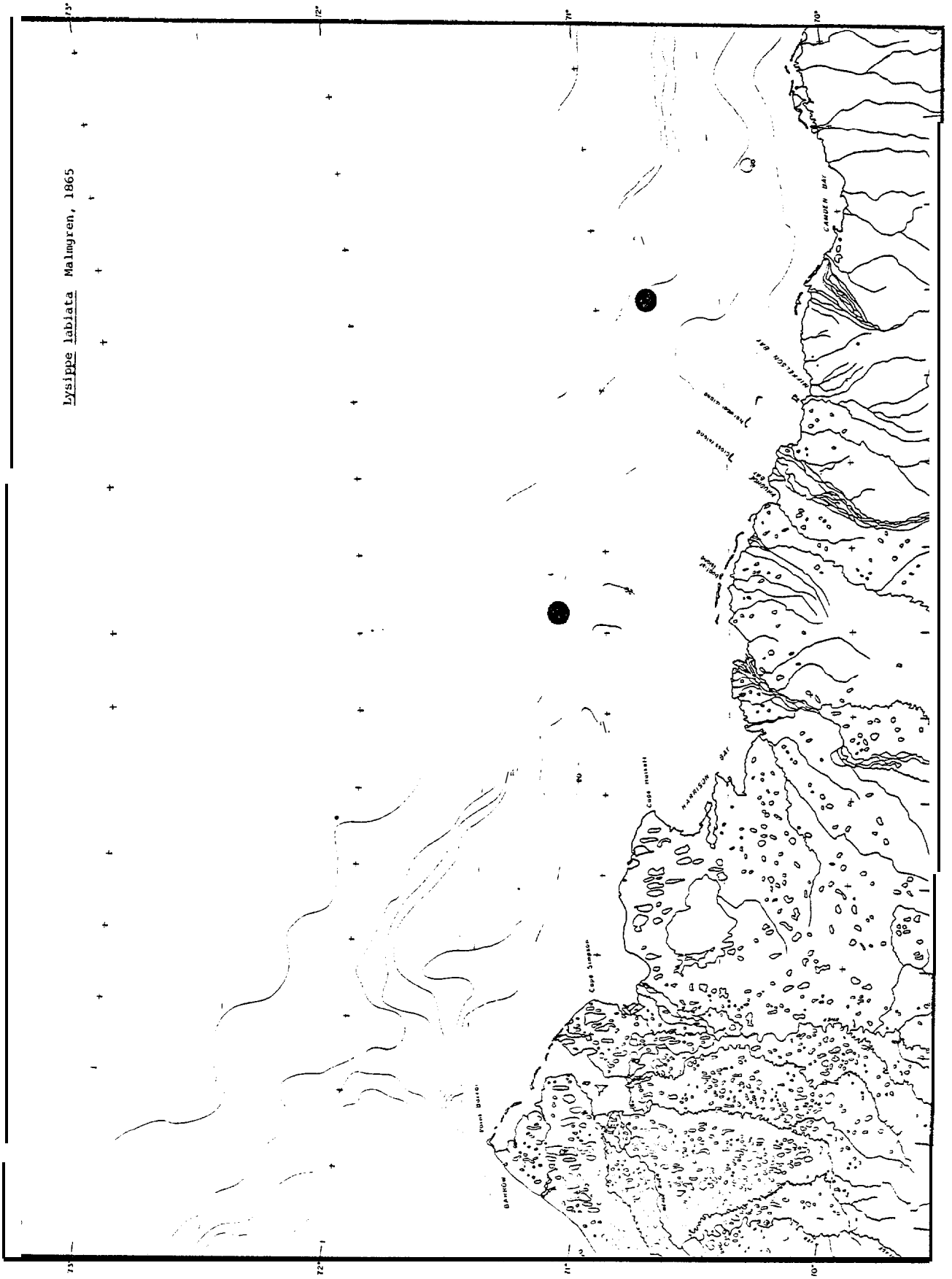

Leiochone polaris (Theel 1879)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
LAMDEN BAY
148°
146°
144°

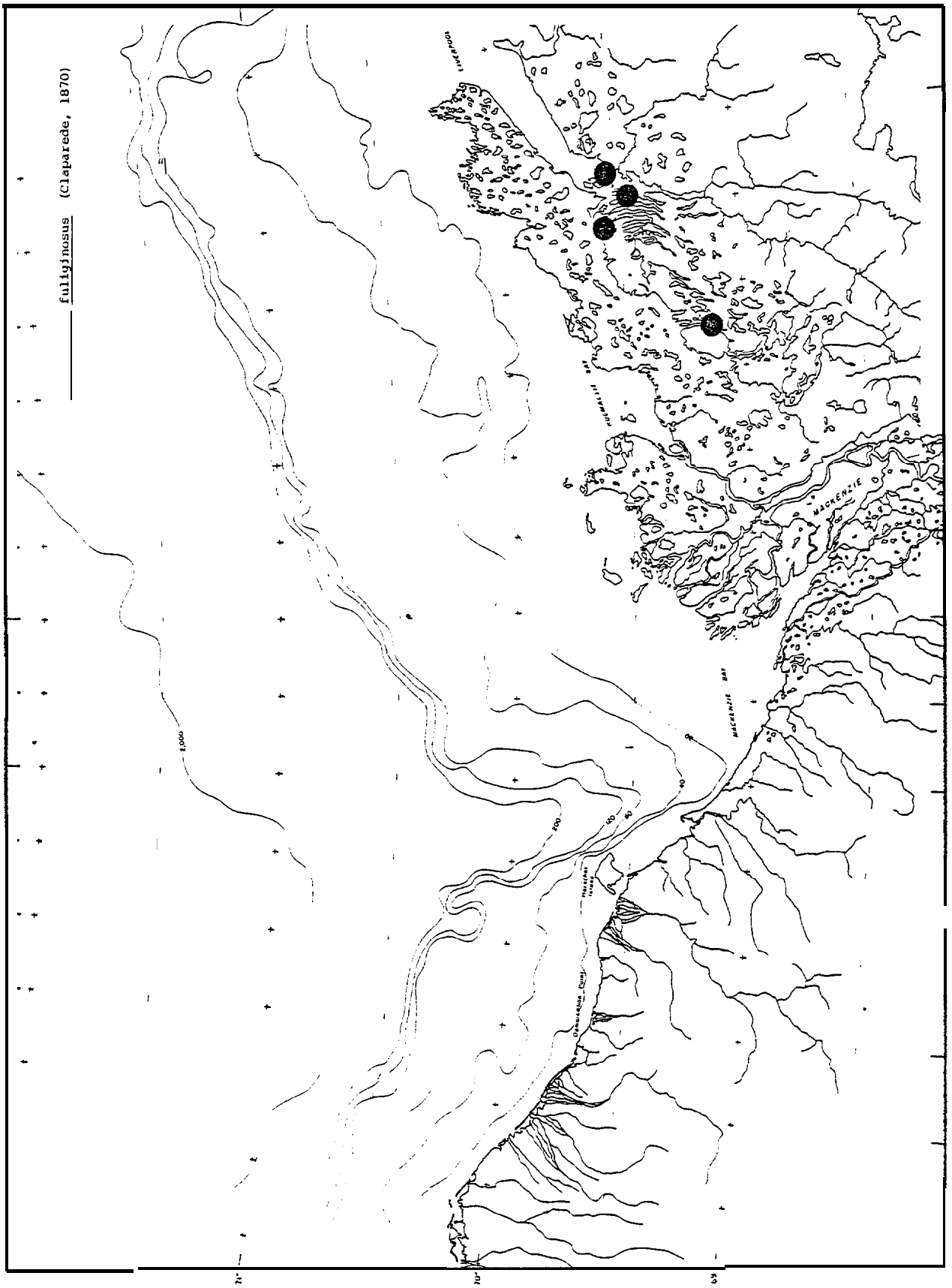

Leiochone polaris (Theel, 1879)
MACKENZIE
MACKENZIE BAY
1000
71°
70°
69°

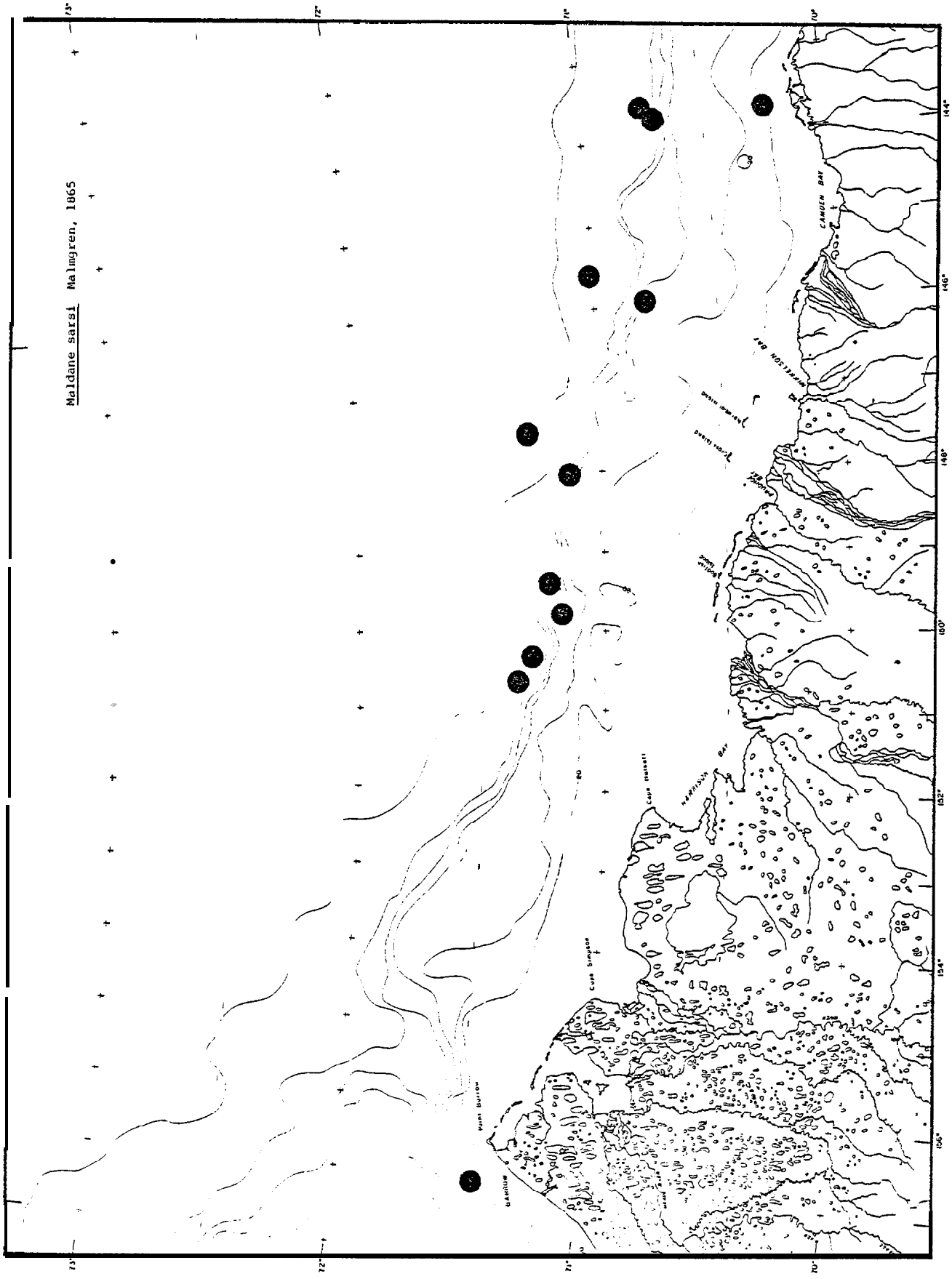

Lumbriclymene minor Arwidsson, 1907

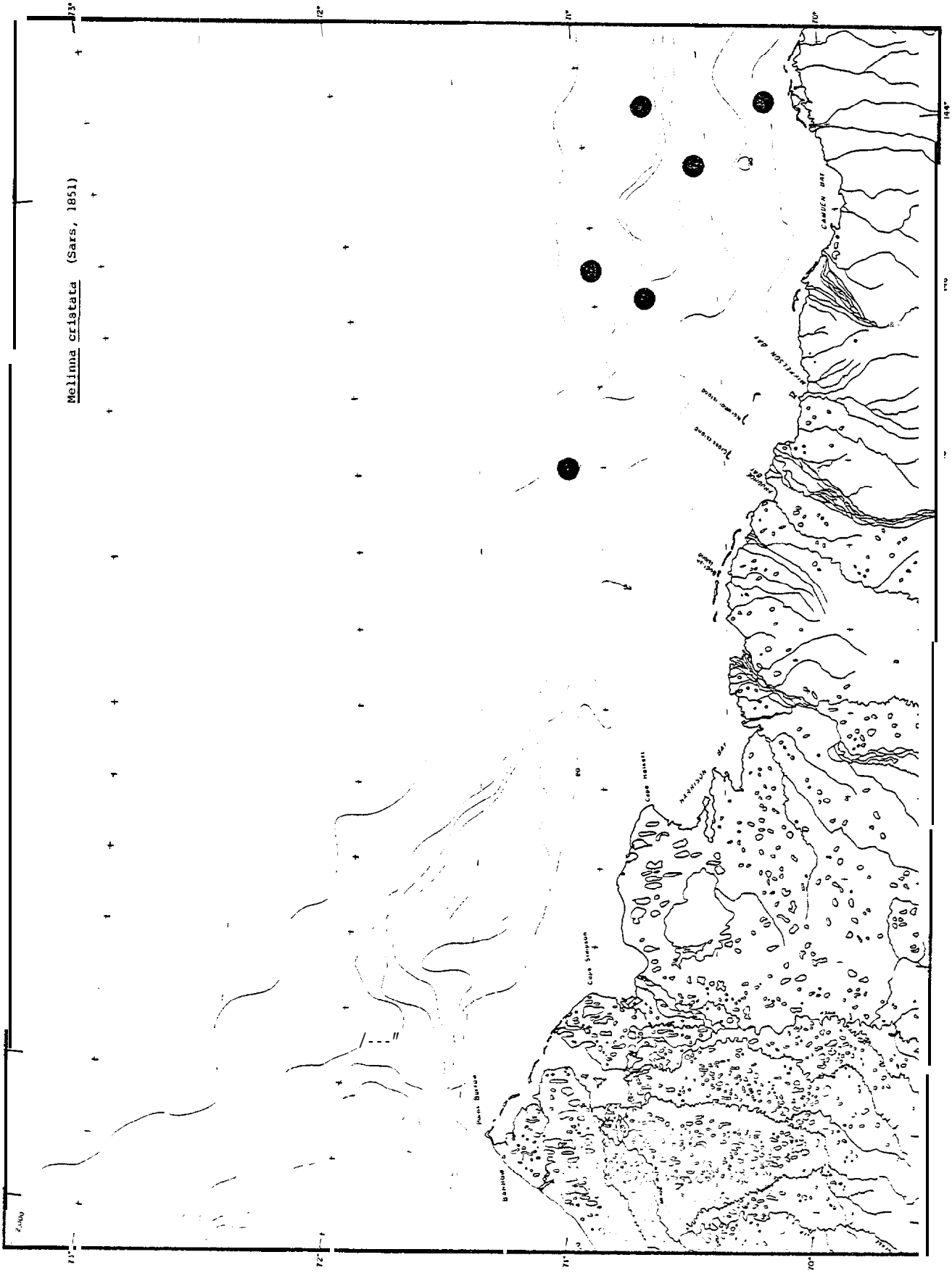

Lumbrineris fragilis (Müller, 1776)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PHUGHOK BAY
MIKKELSON BAY
CAMDEN BAY

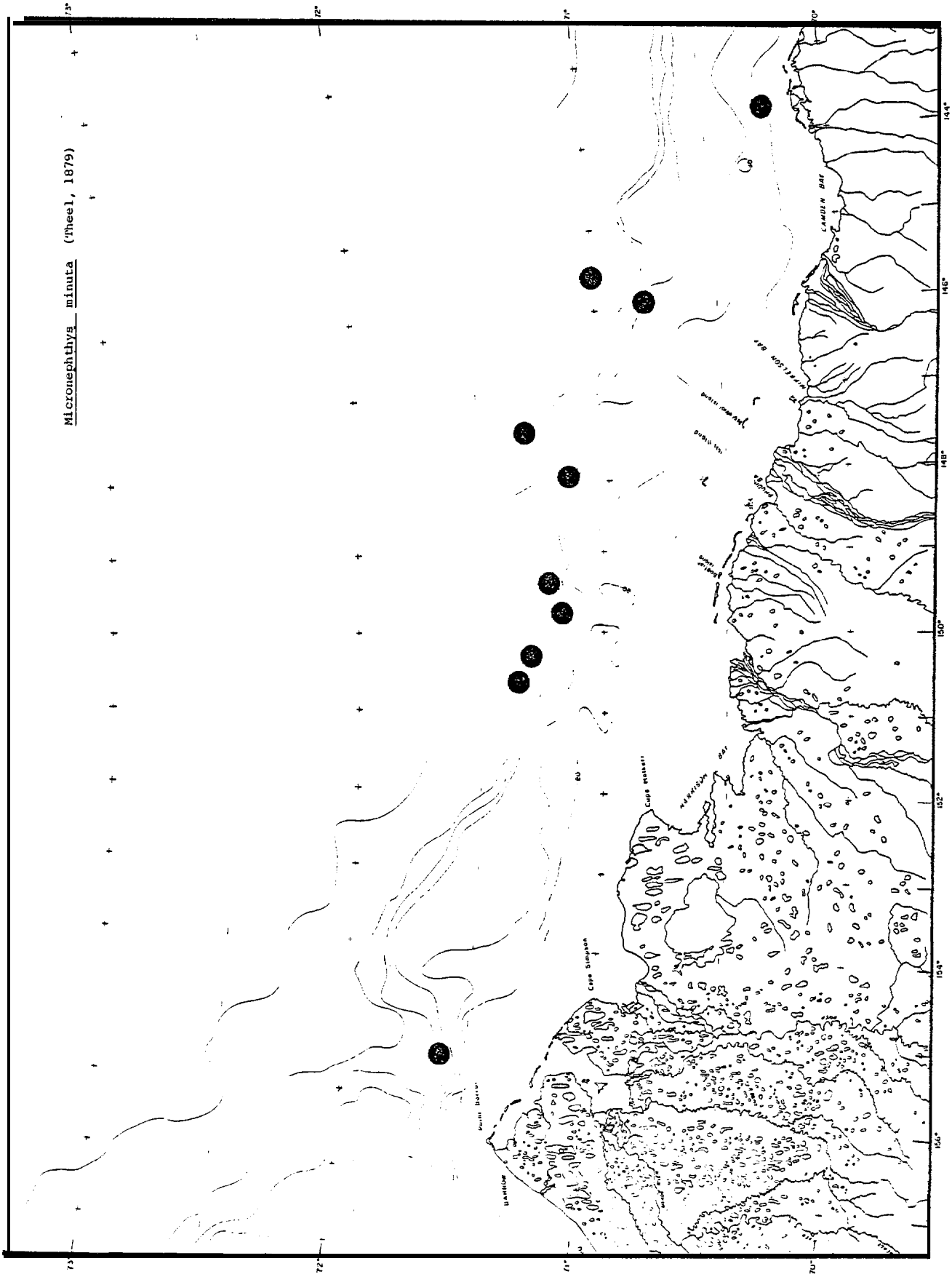

Lumbrineris minuta (1'heel, 1879)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

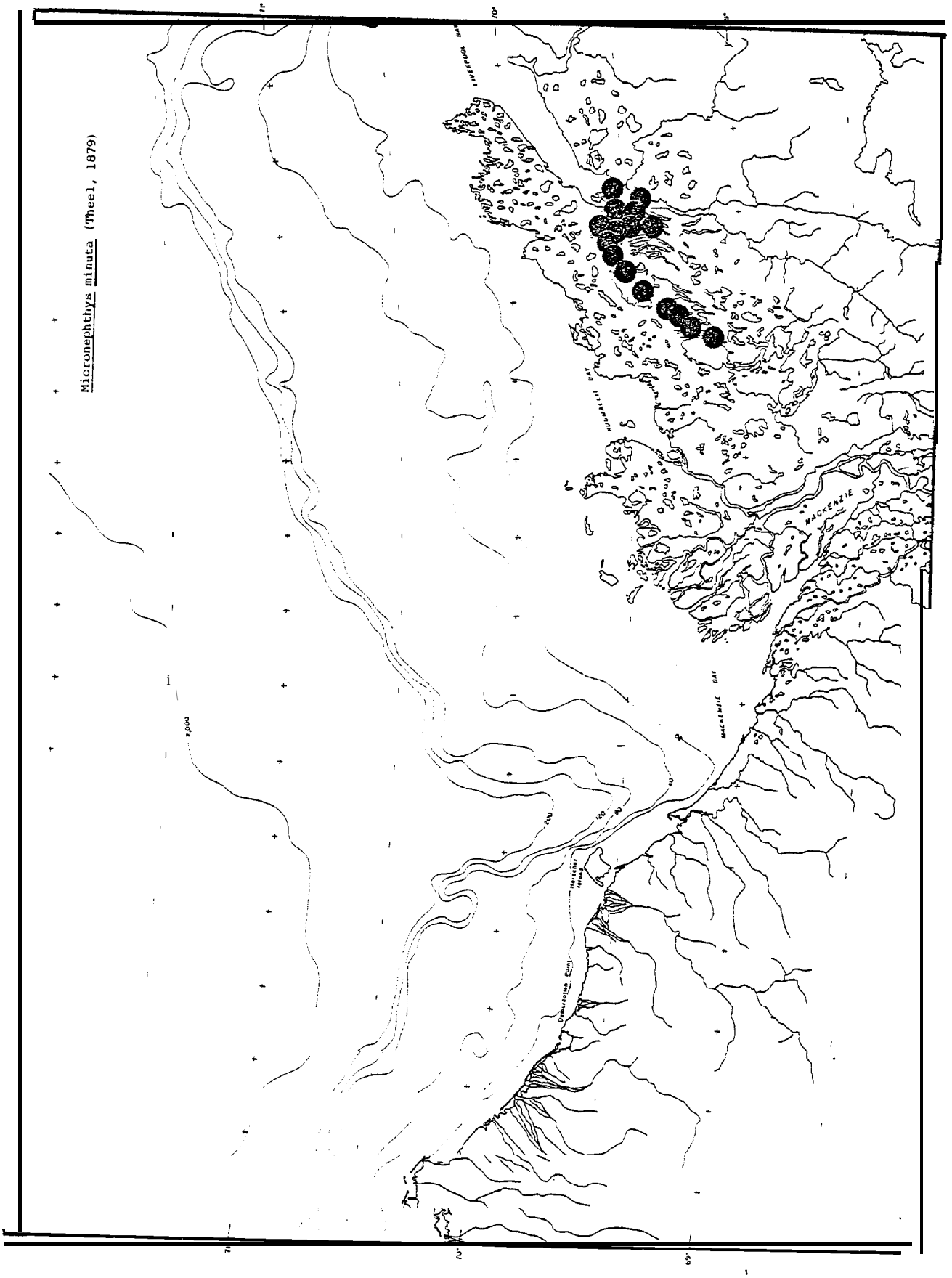

Lysippe labiata Malmgren, 1865
73°
72°
71°
70°
CAMDEN BAY
HARRISON BAY
Cape Halkett
Cape Simpson
Point Barrow
BARROW

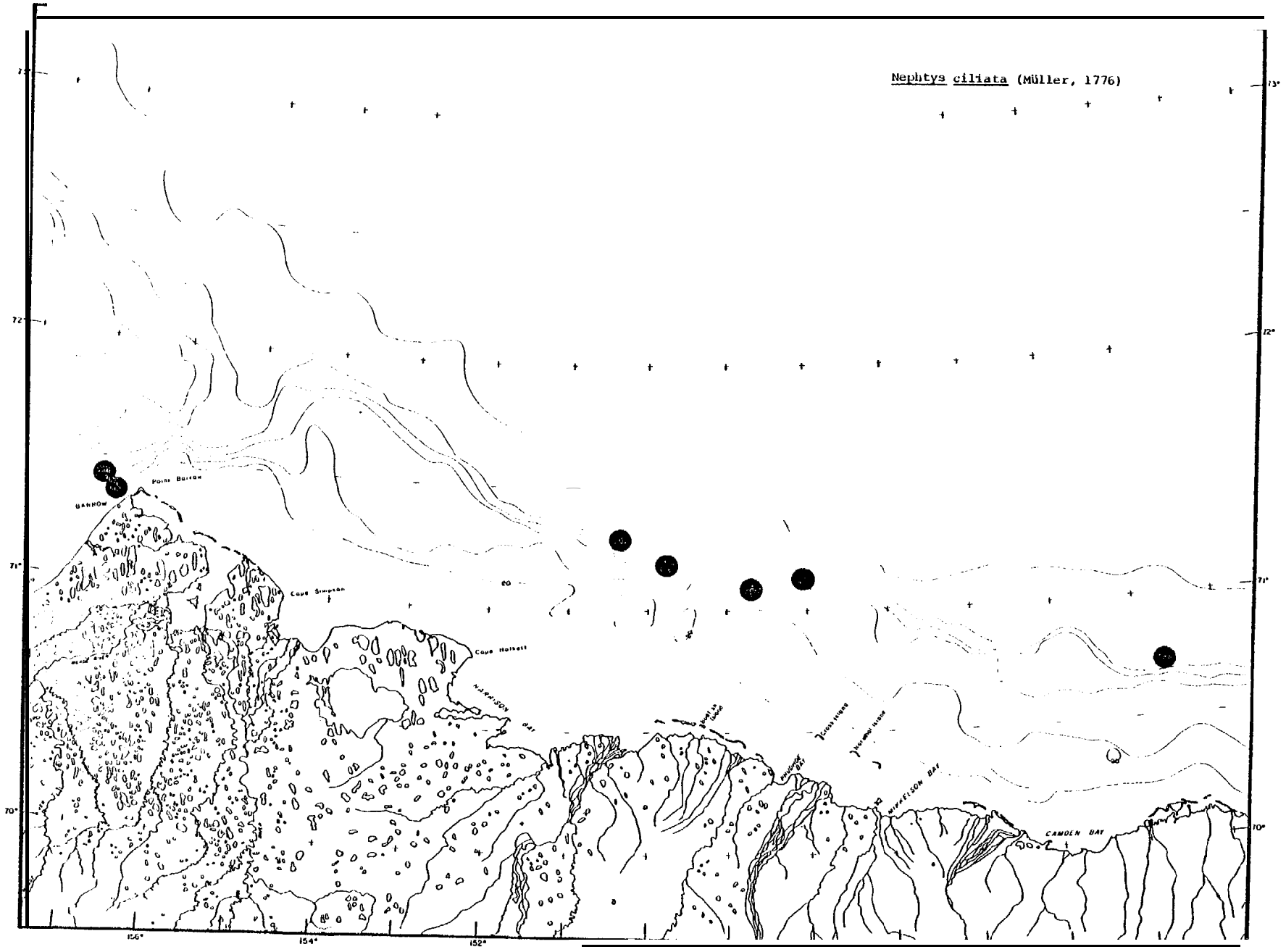

fulginosus (Claparede, 1870)
MACKENZIE
MACKENZIE BAY
2,000
200
100
40


Maldane sarsi Malmgren, 1865
73°
72°
71°
70°
144°
146°
148°
150°
152°
154°
156°
CAMDEN BAY
HARRISON BAY
Cape Simpson
Point Barrow
80

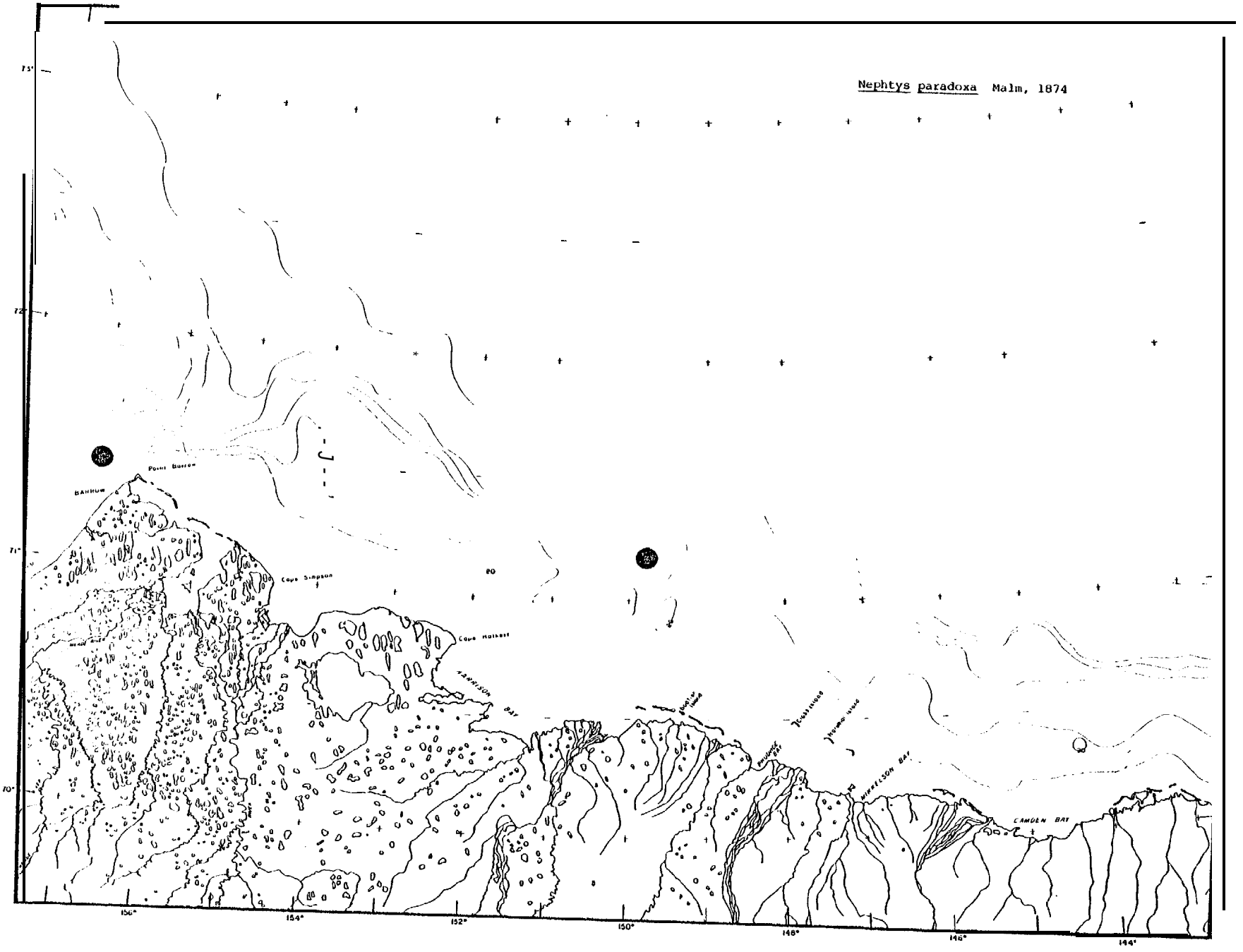

Melinna cristata (Sars, 1851)


Microcephthys minuta (Theel, 1879)


Micronephthys minuta (Theel, 1879)
MACKENZIE
MACKENZIE BAY
2,000
200
100
80
40


Nephtys ciliata (Müller, 1776)
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
PHILLIPS BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°

Nephtys longosetosa Oersted, 1843
LIVERPOOL BAY
MACKENZIE
MACKENZIE BAY
130°
132°
134°
136°
138°
140°
142°
71°
70°
69°


Nephtys paradoxa Malm, 1874
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PHILLIPS BAY
MIKKELSON BAY
CAMDEN BAY
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152°
150°
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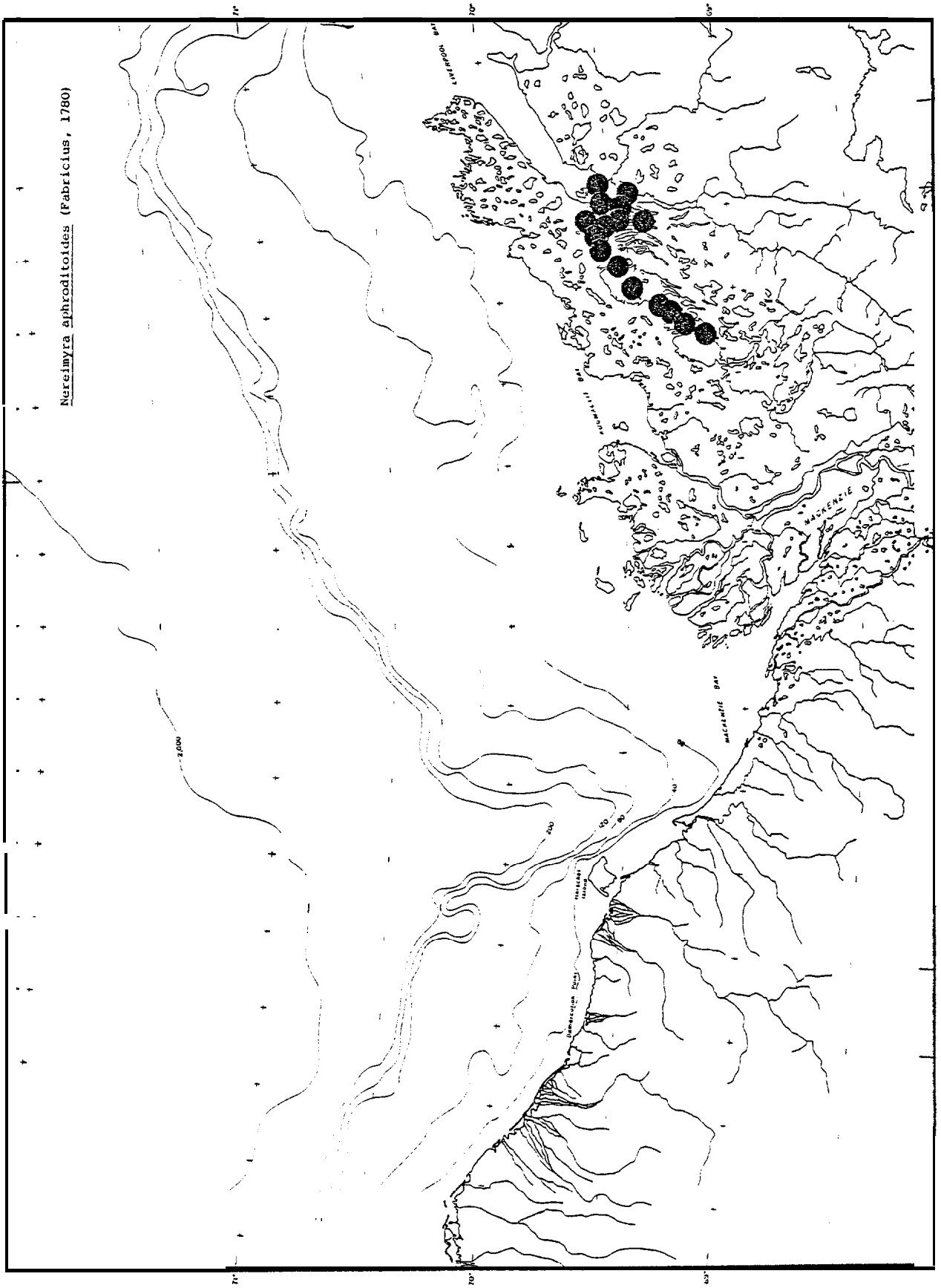
146°
144°
73°
72°
71°
70°


Nereimyra aphroditoides (Fabricius, 1780)
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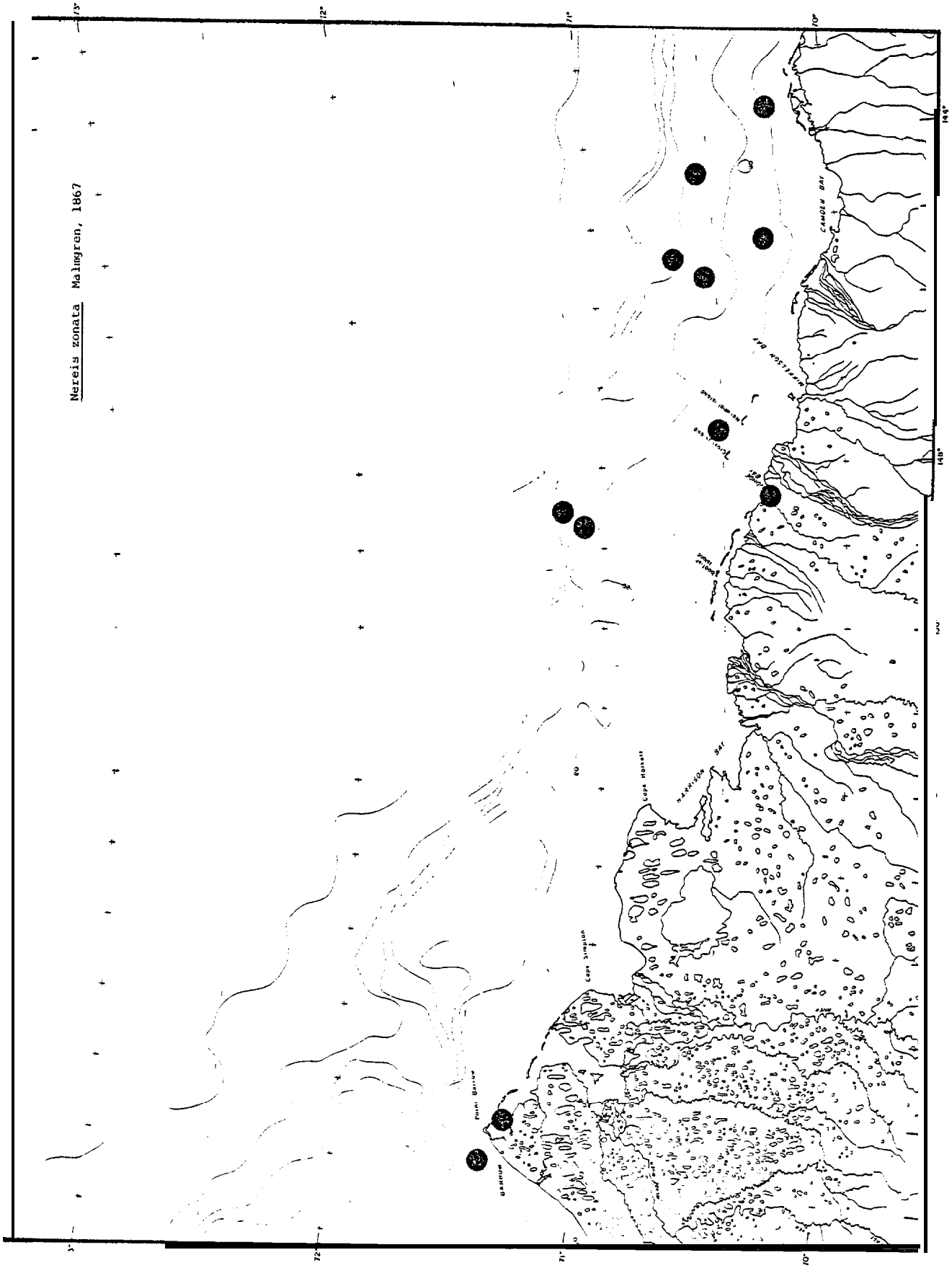
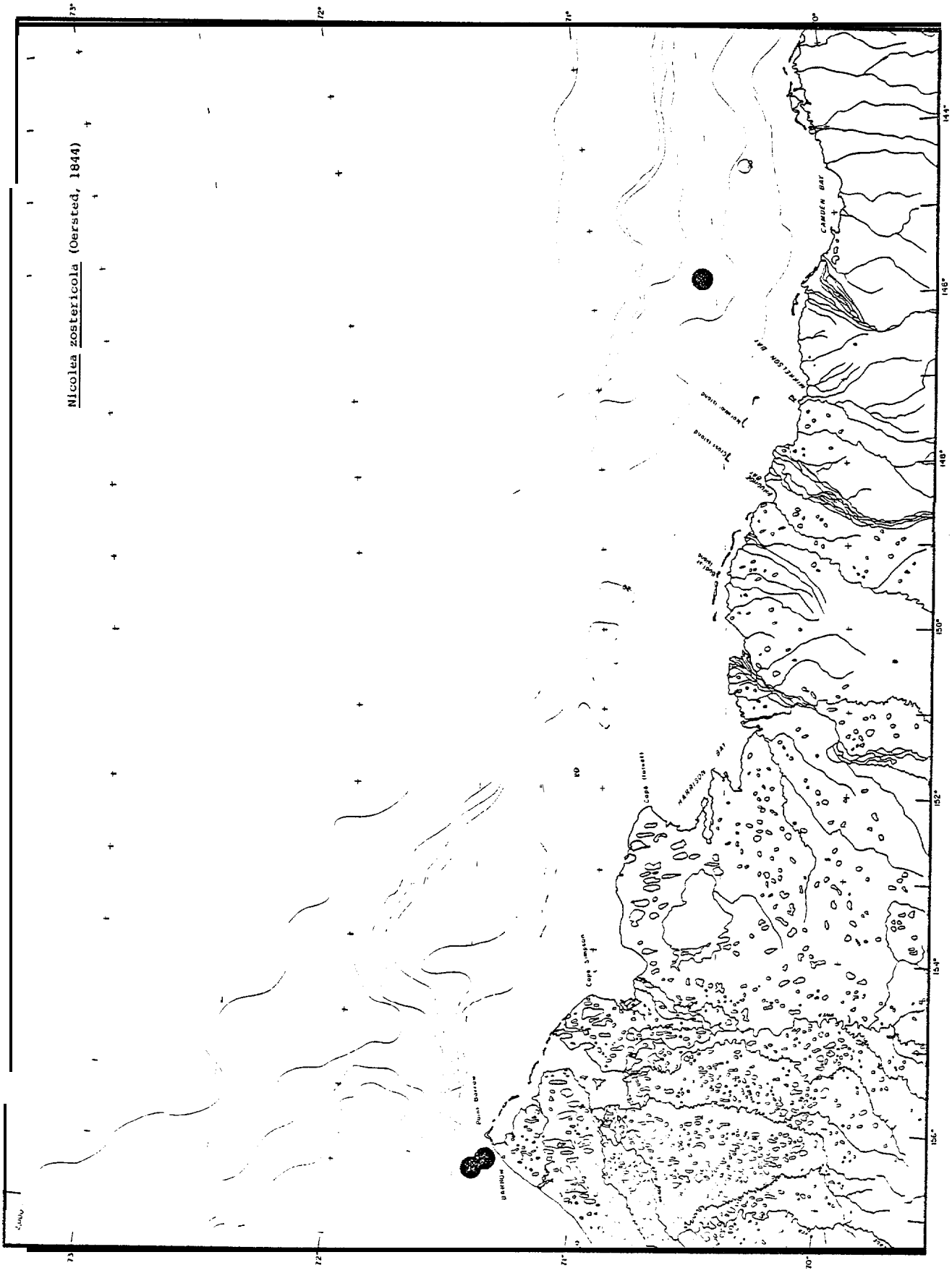
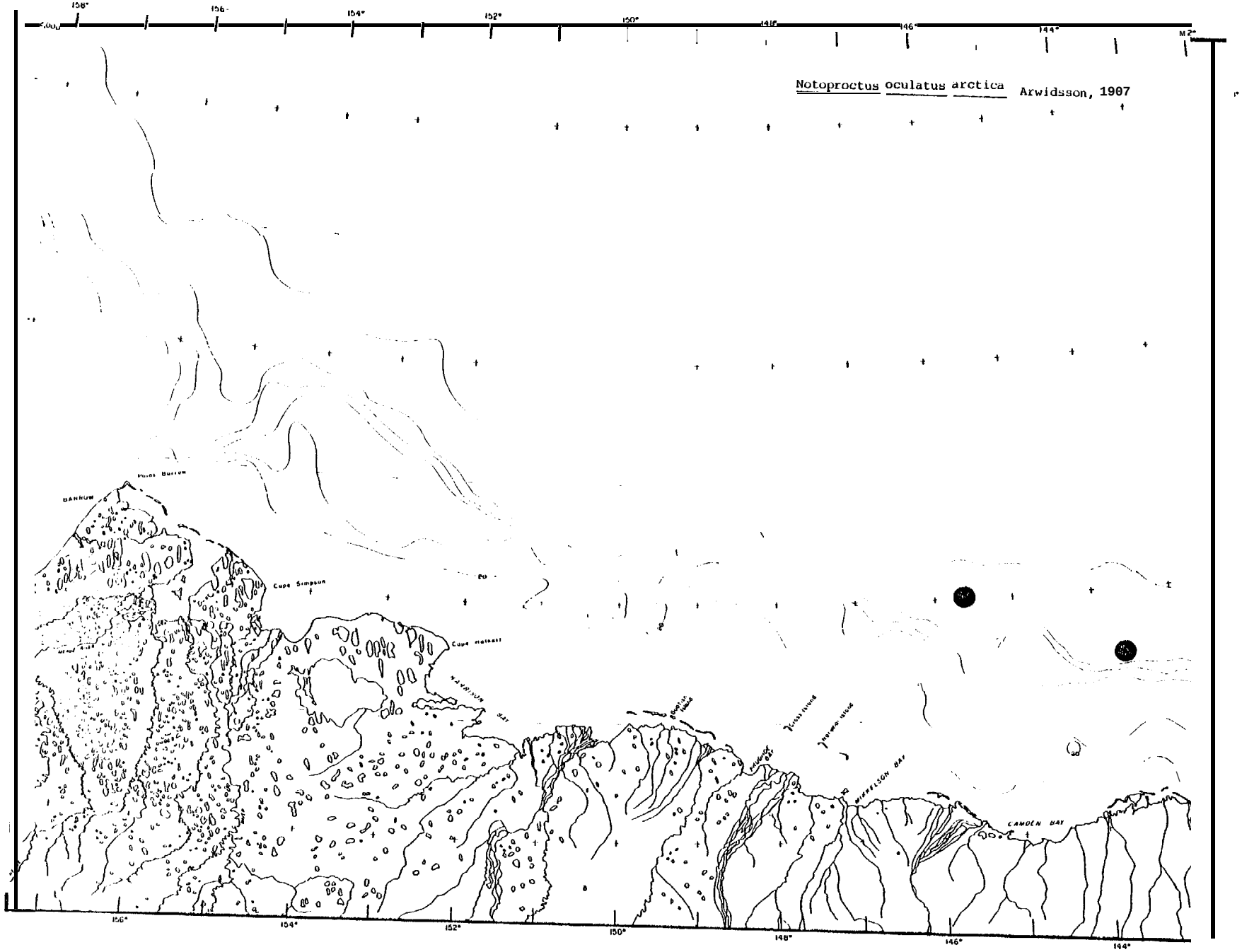
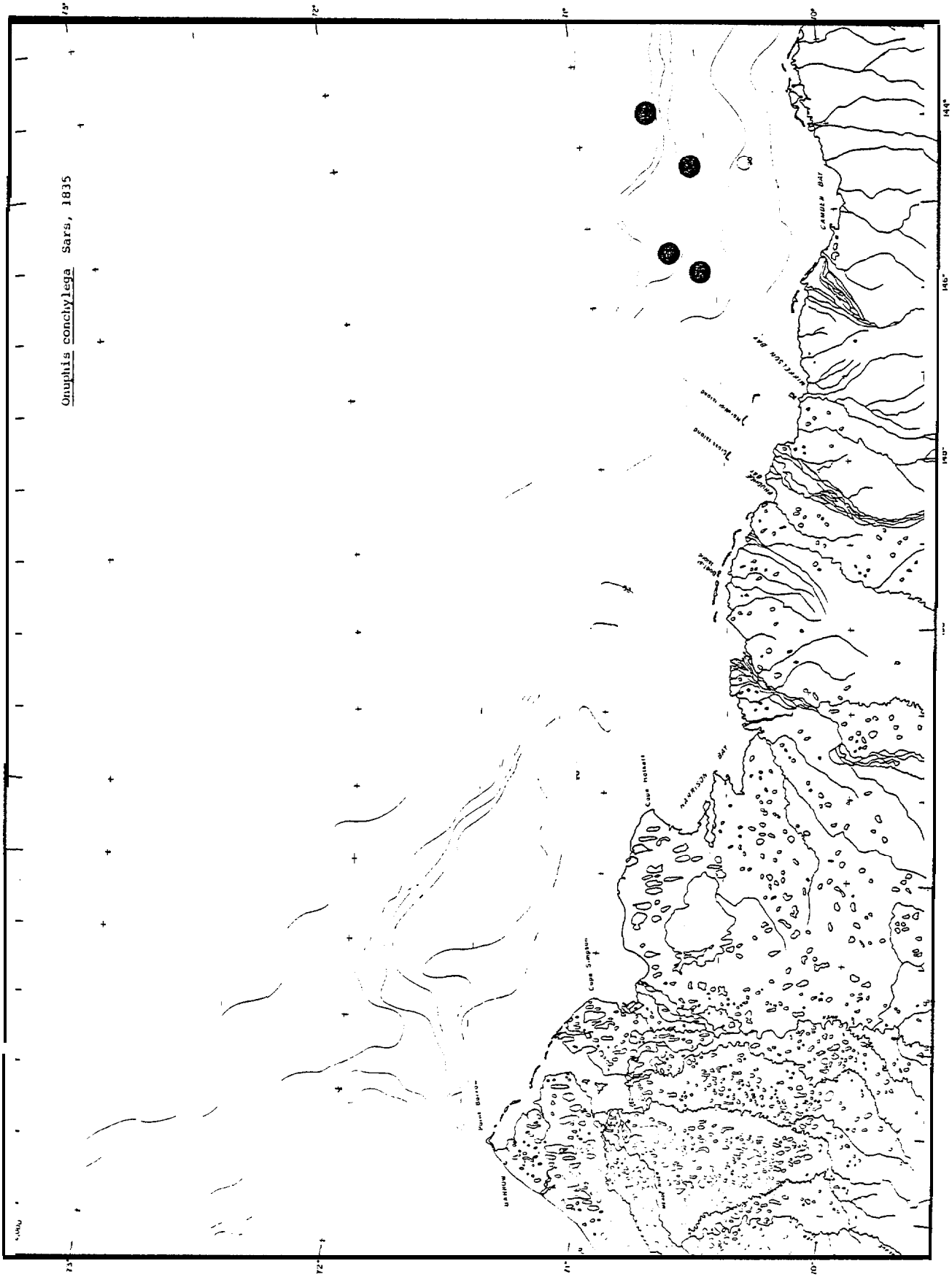
MACKENZIE BAY
-2,000
200

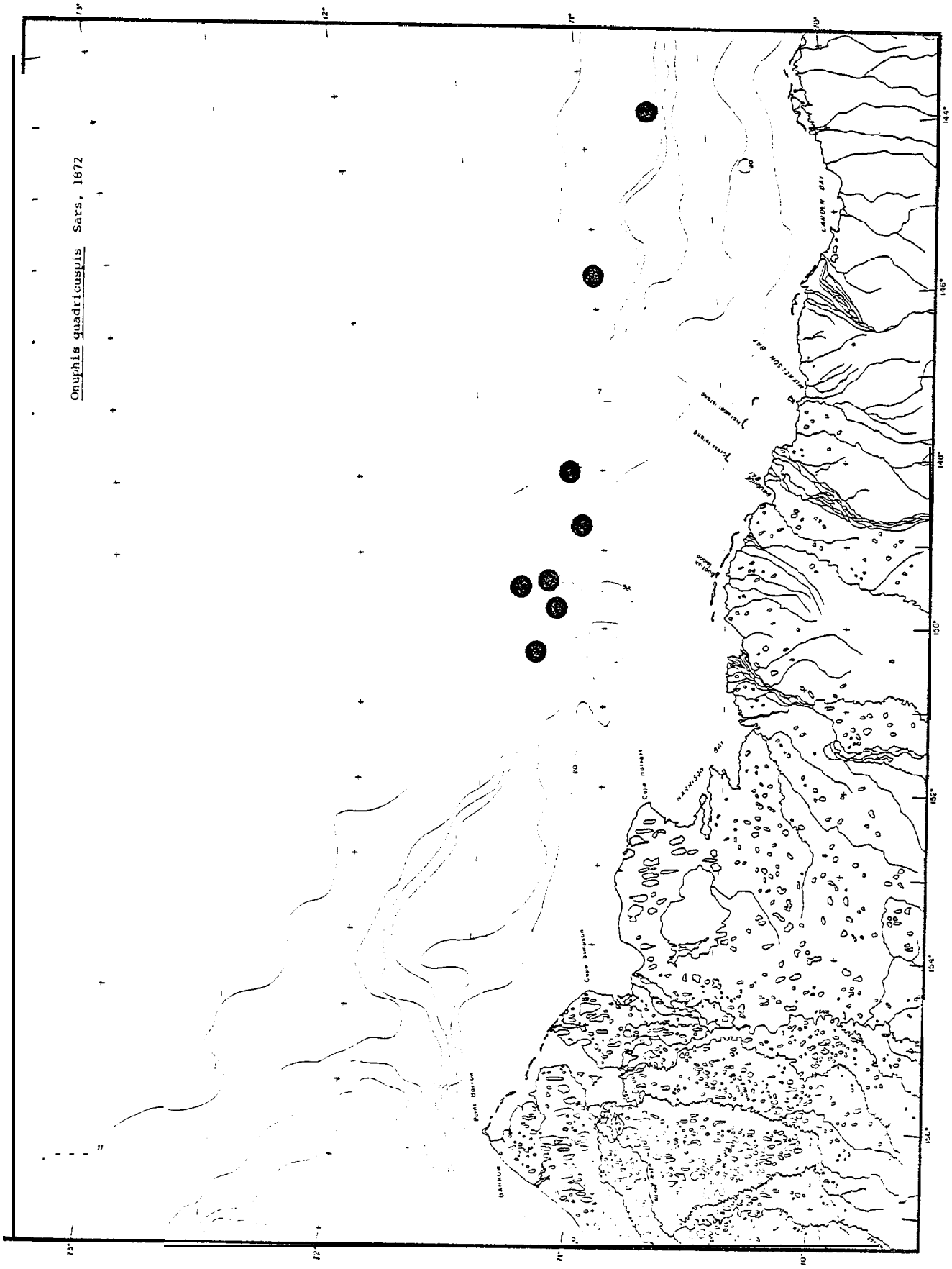

Nereis zonata Malmgren, 1867
CAMDEN BAY
HARRISON BAY
Cape Halkett
Cape Simpson
Point Barrow
ALASKA

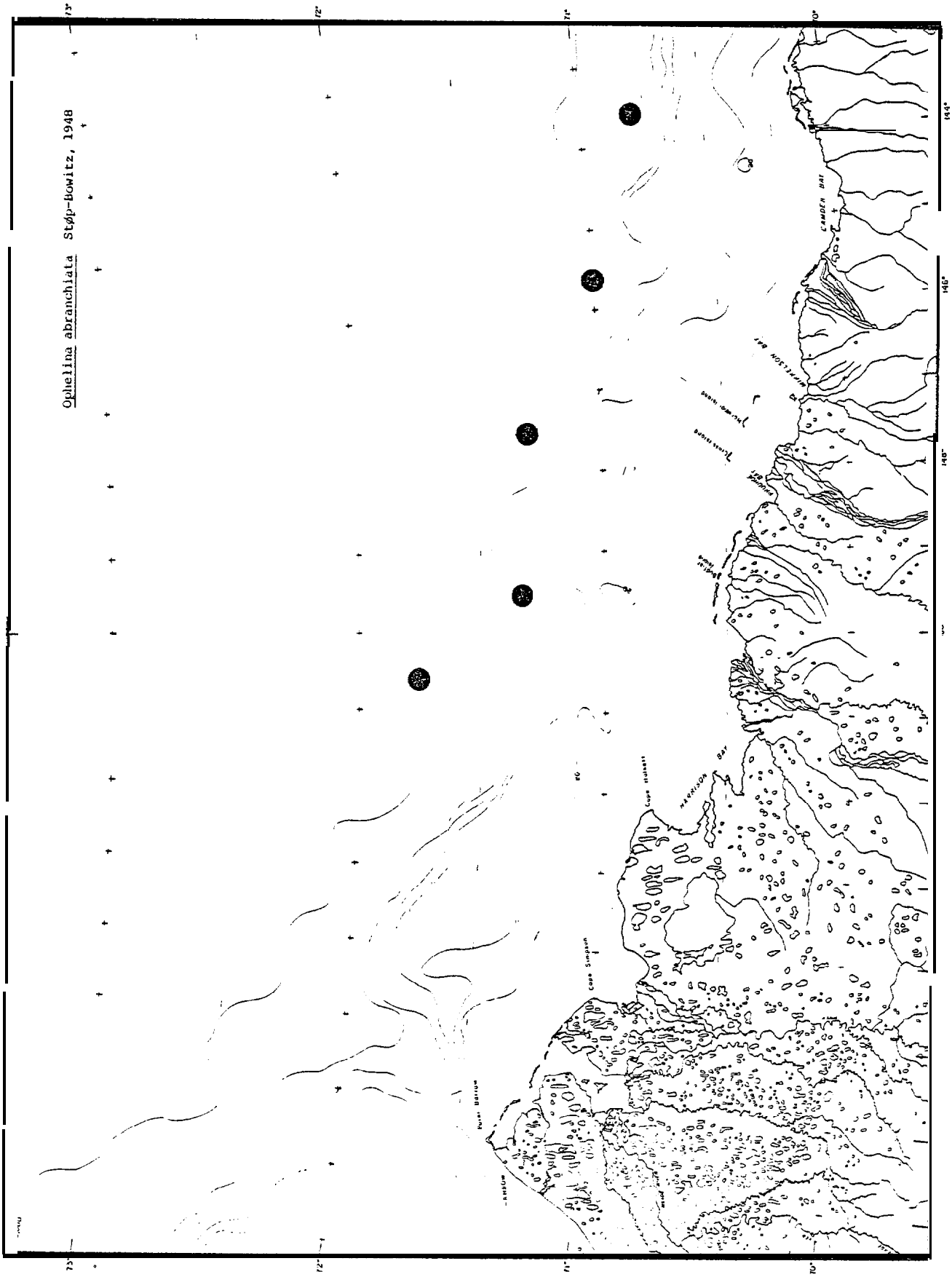

Nicolea zostericola (Oersted, 1844)

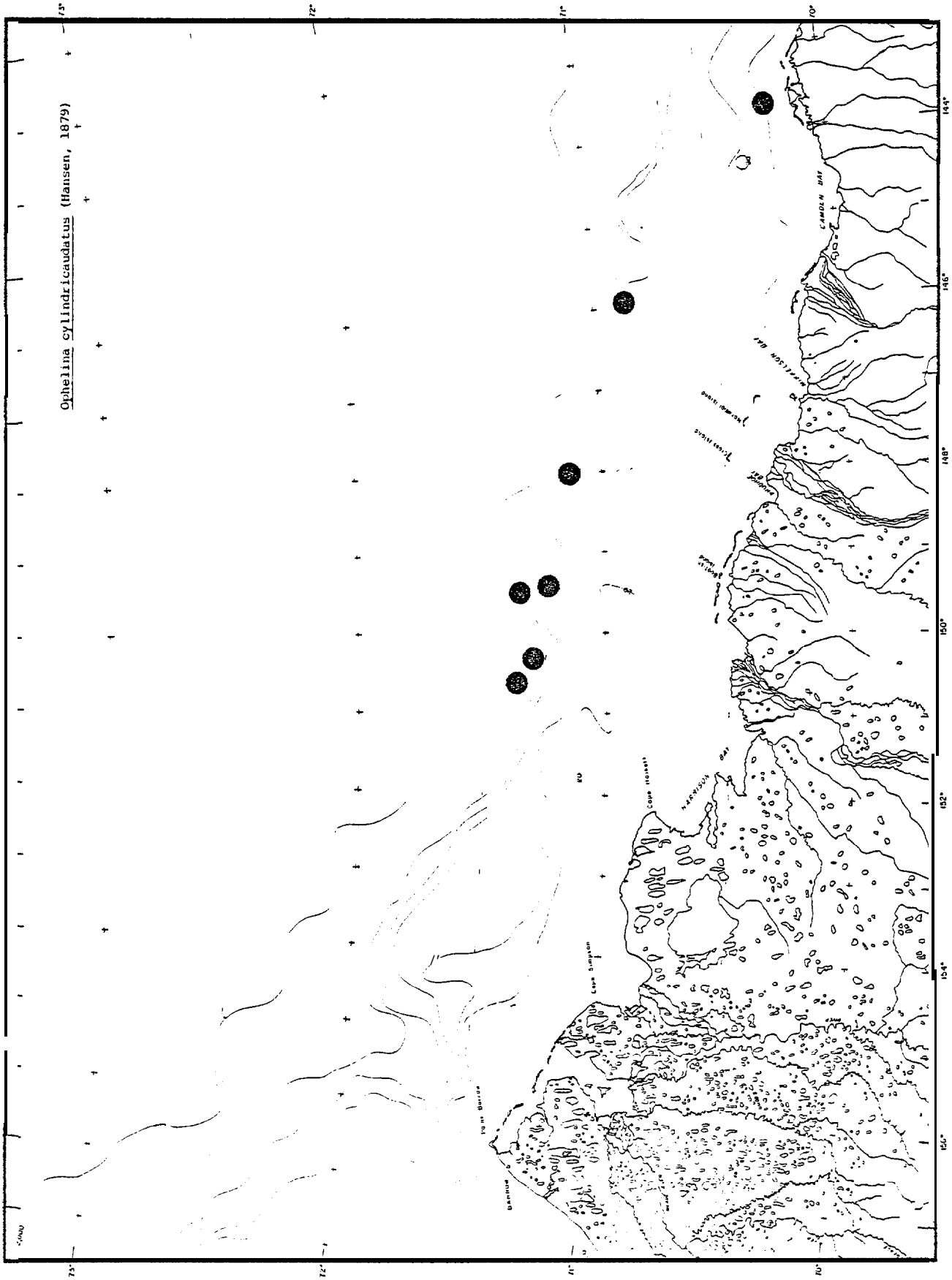


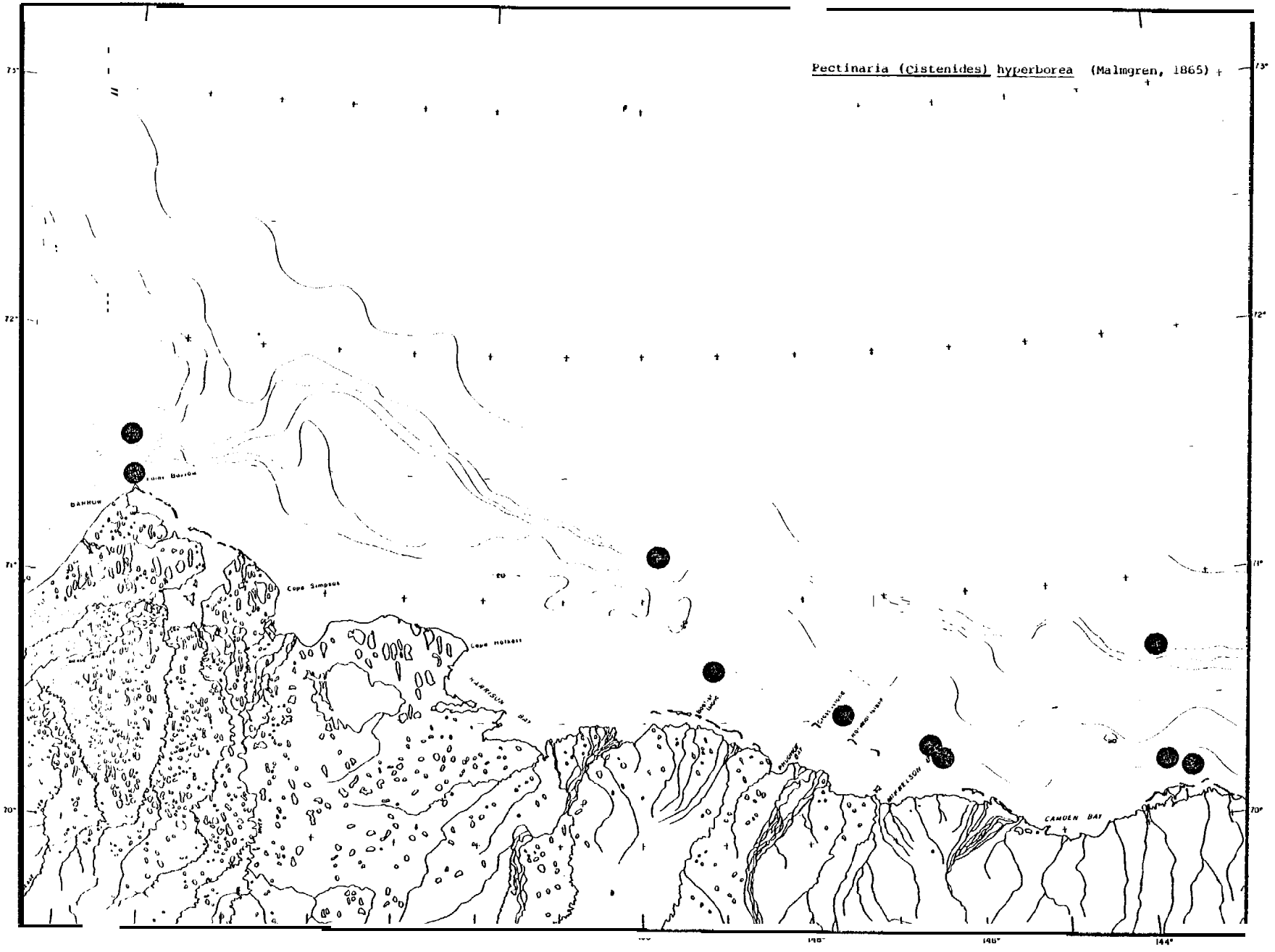
Notoproctus oculatus arctica Arwidsson, 1907

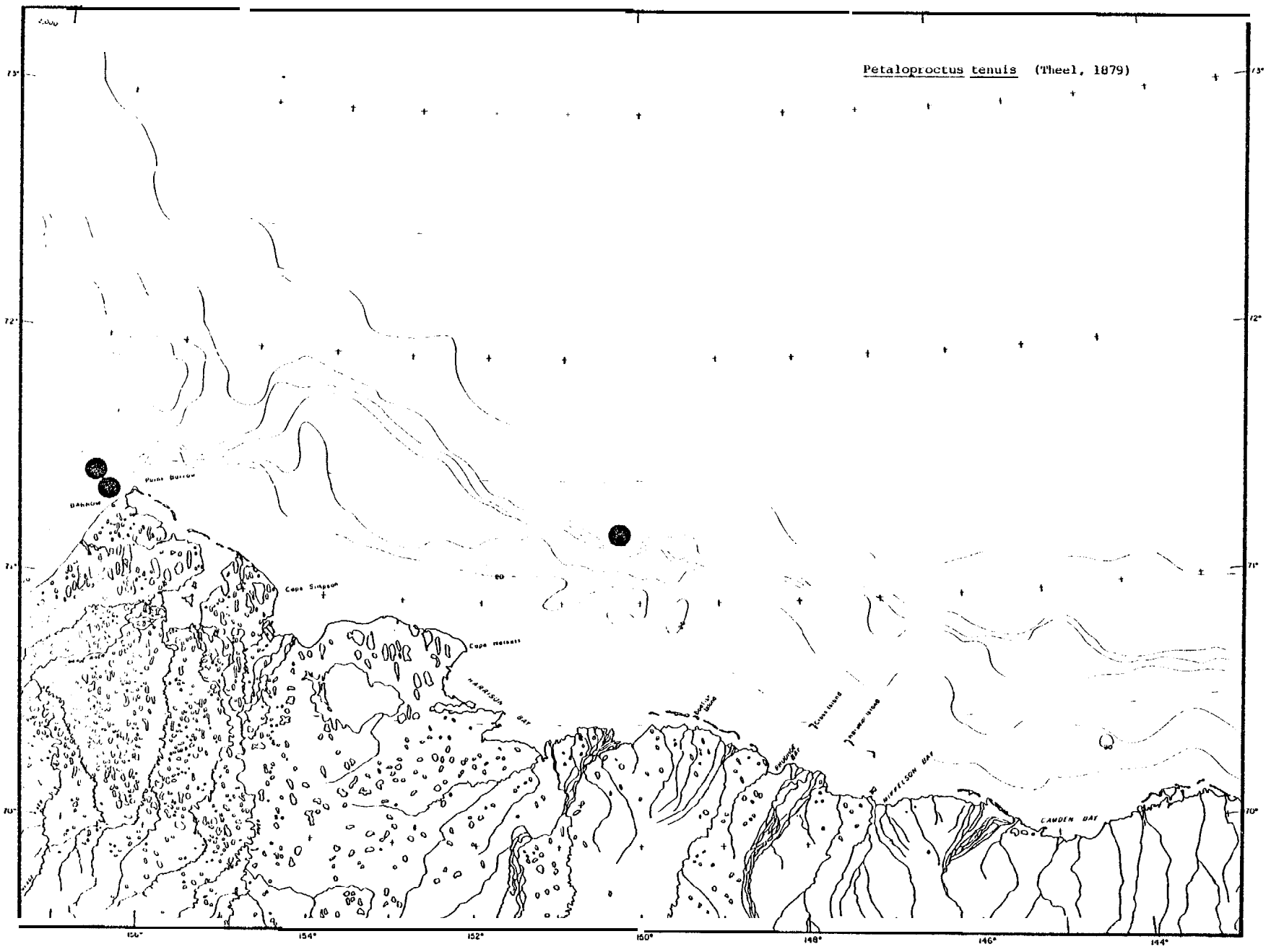

Onuphis conchylega Sars, 1835

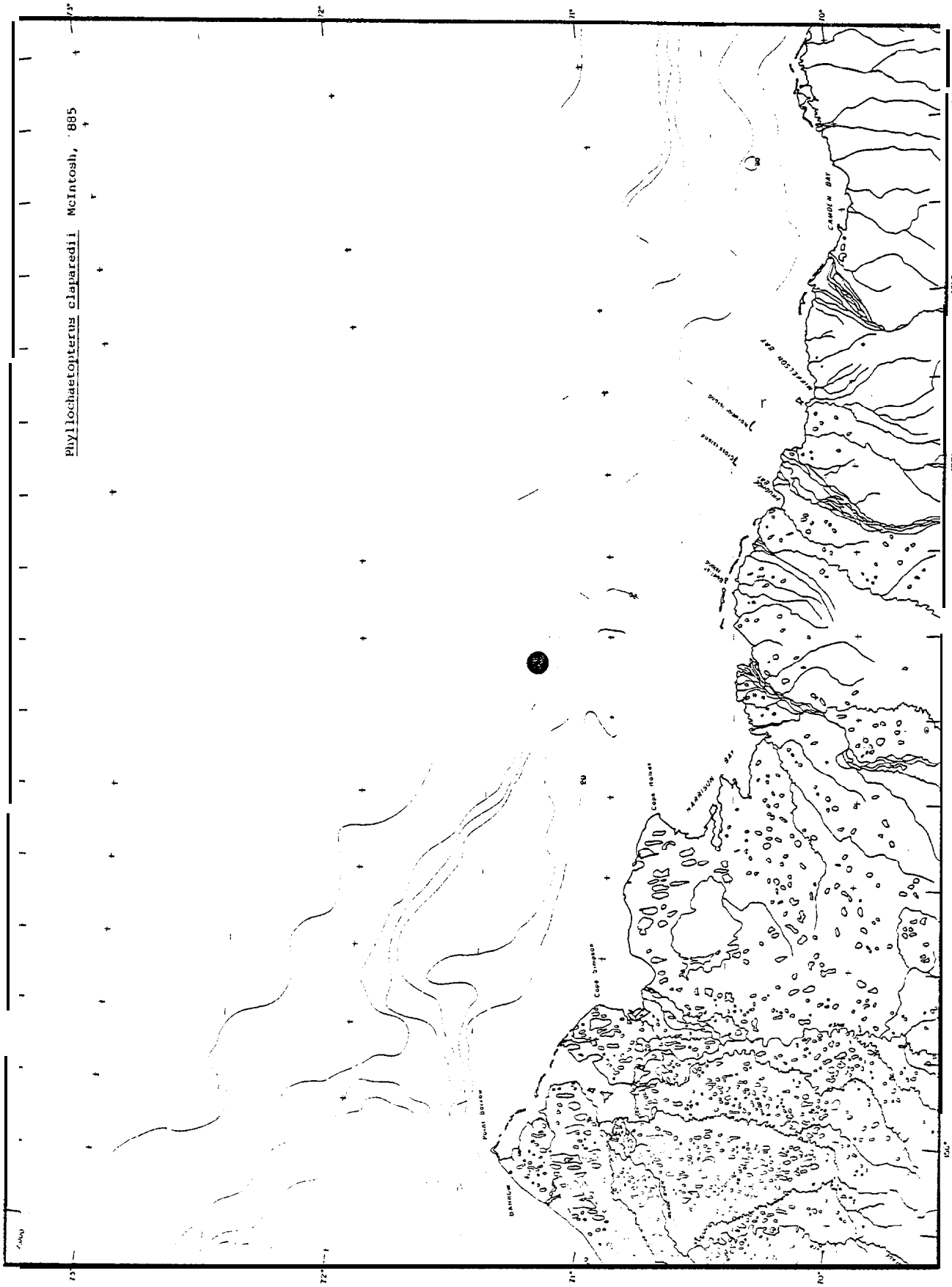

Onuphis quadricuspis Sars, 1872

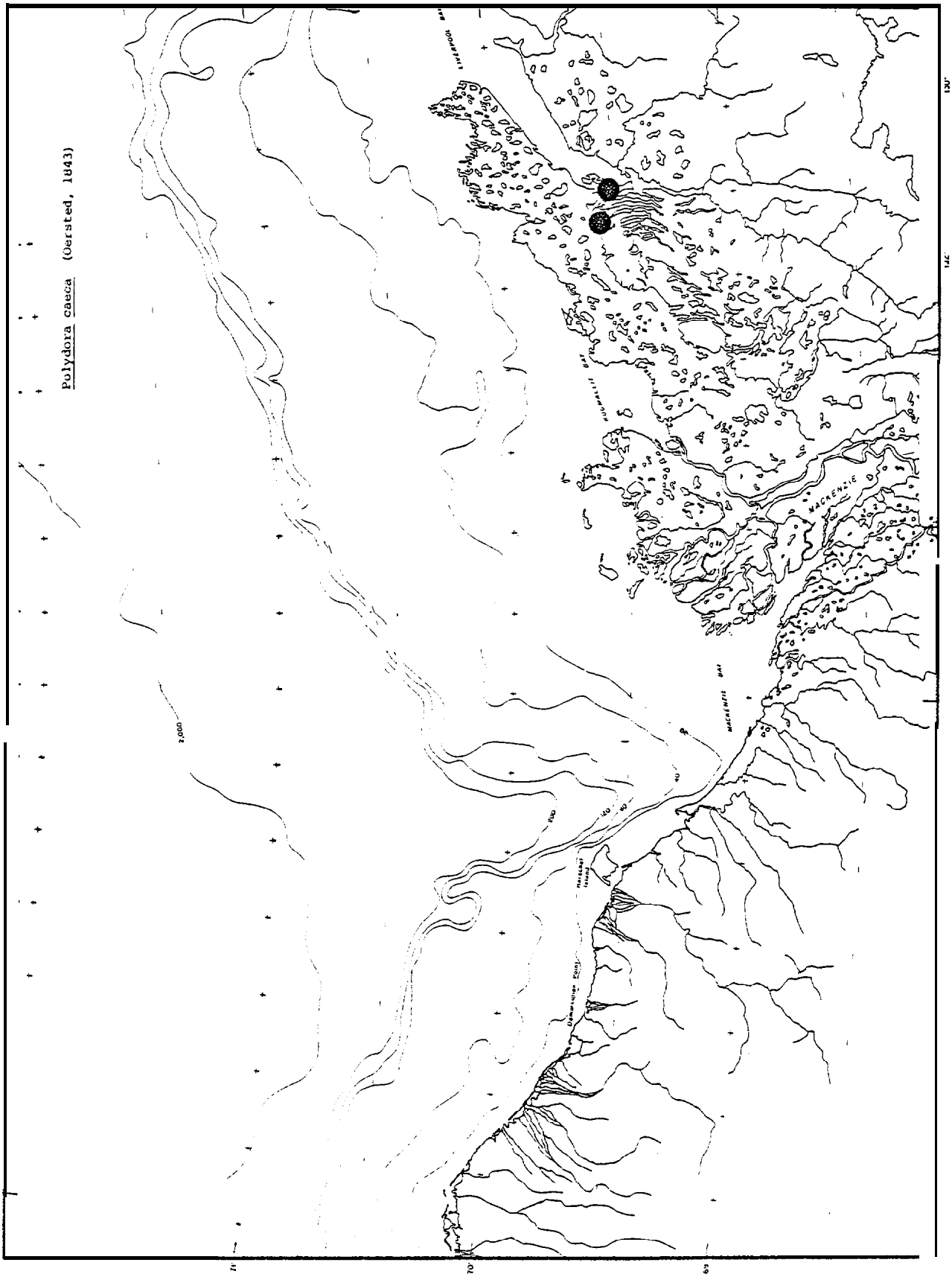

Ophelina abranchiata Støp-Bowitz, 1948
CAMDEN BAY
HARRISON BAY
Cape Halkett
Cape Simpson
Point Barrow
ALASKA

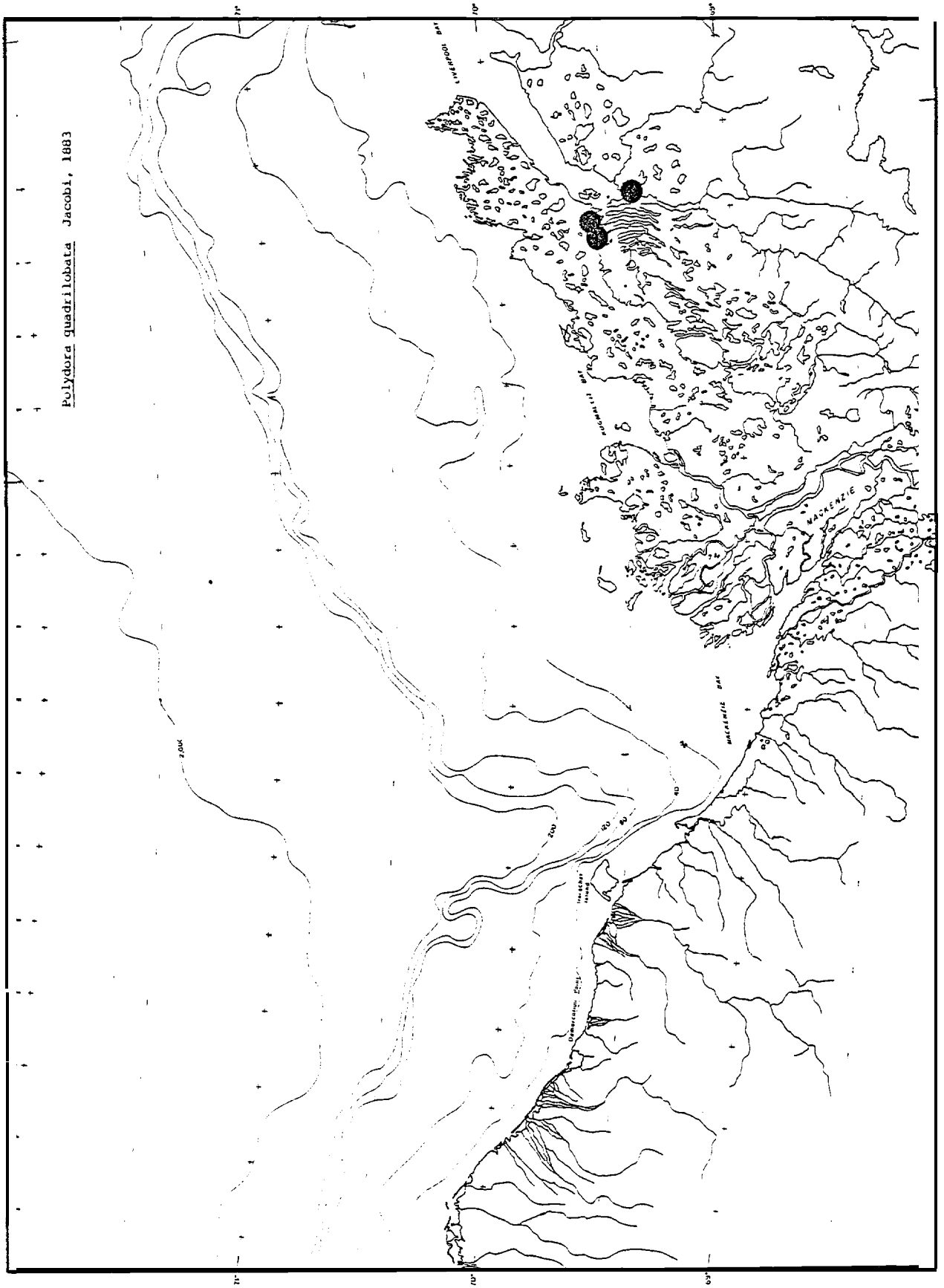

Ophelina cylindricaudatus (Hansen, 1879)


Pectinaria (Cistenides) hyperborea (Malmgren, 1865)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PHILLIPS BAY
MIKKELSON
CAMDEN BAY
144°

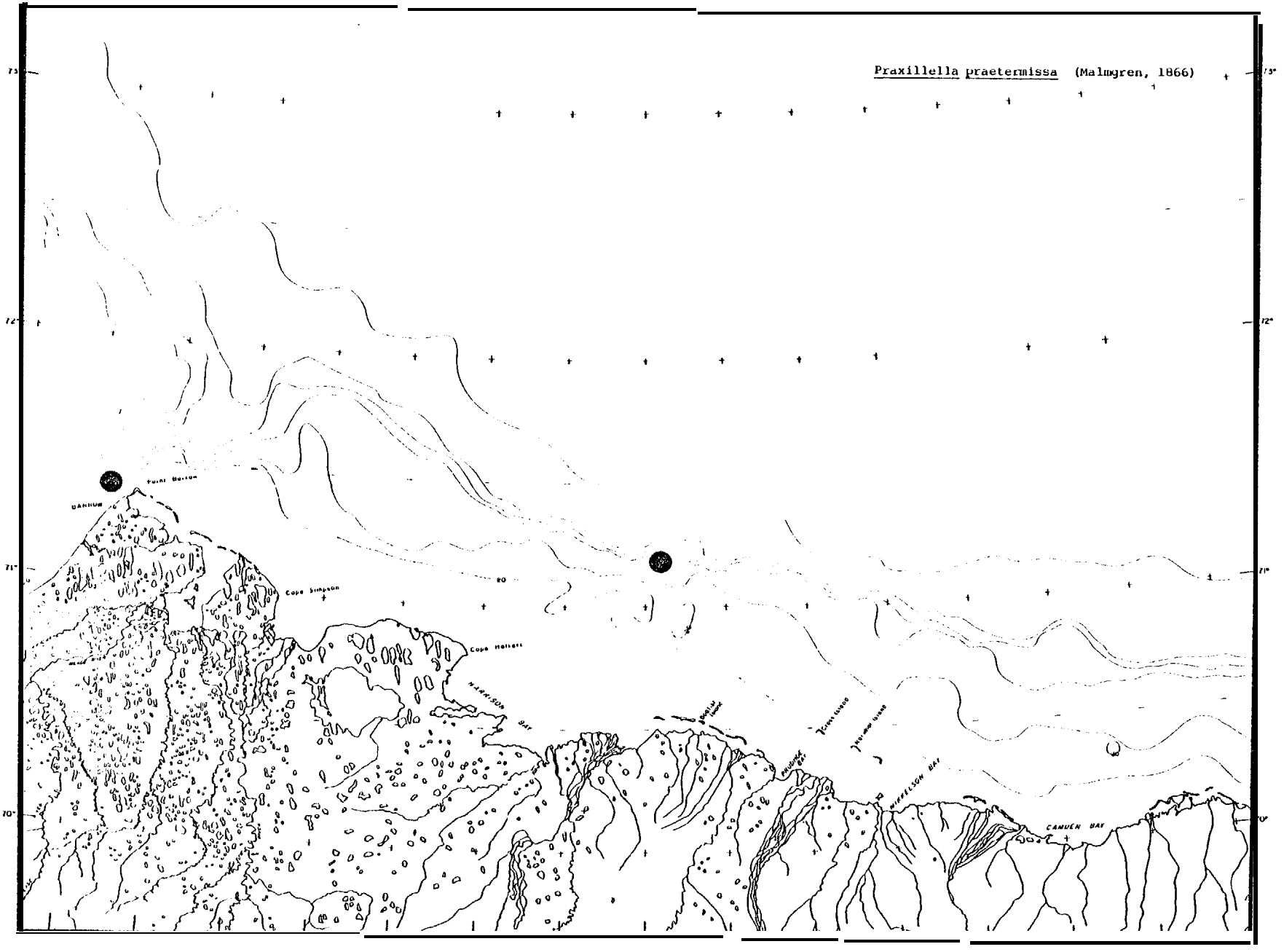

Petaloproctus tenuis (Theel, 1879)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

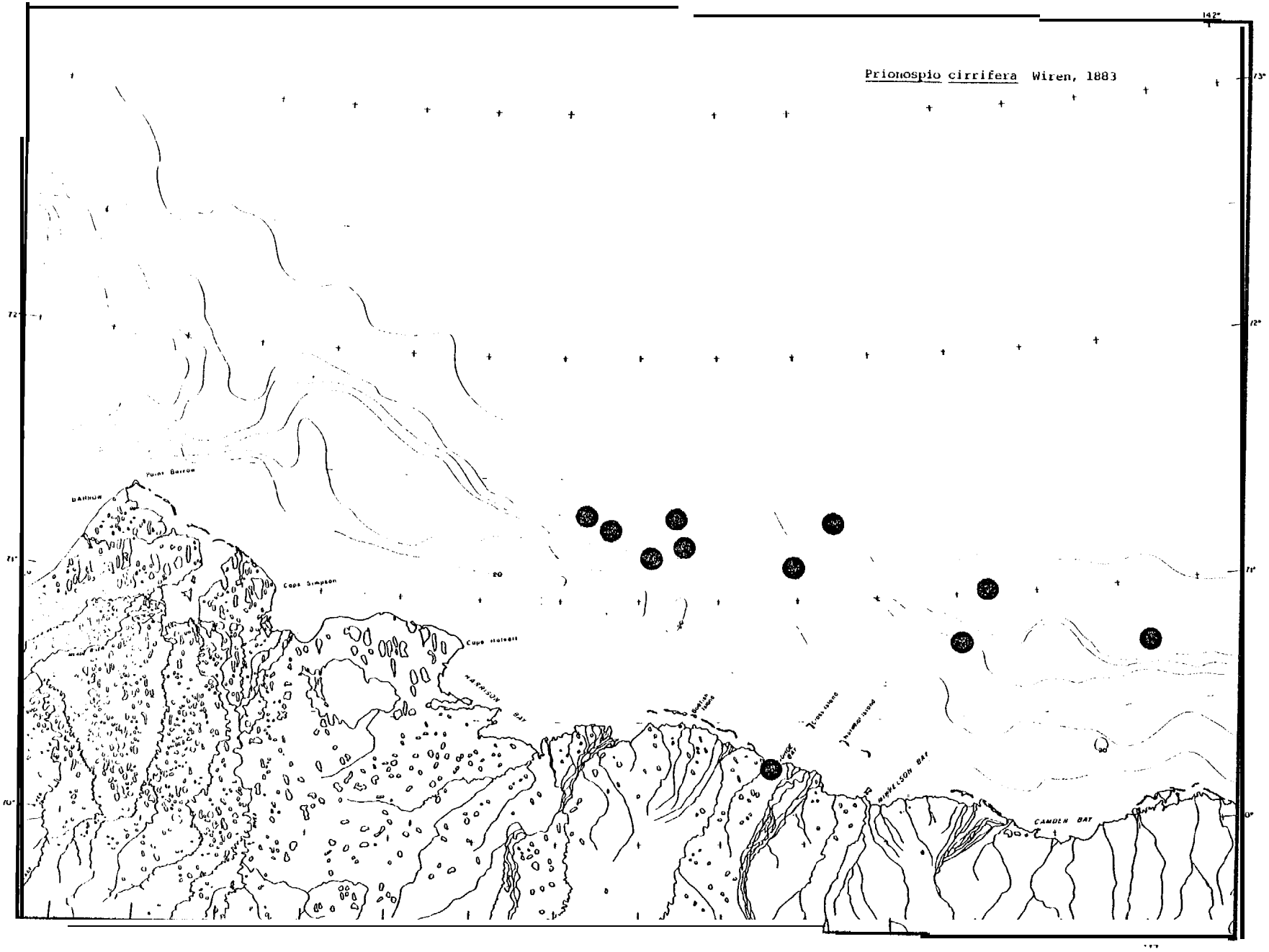

Phyllochaetopterus claparedii McIntosh, 1885

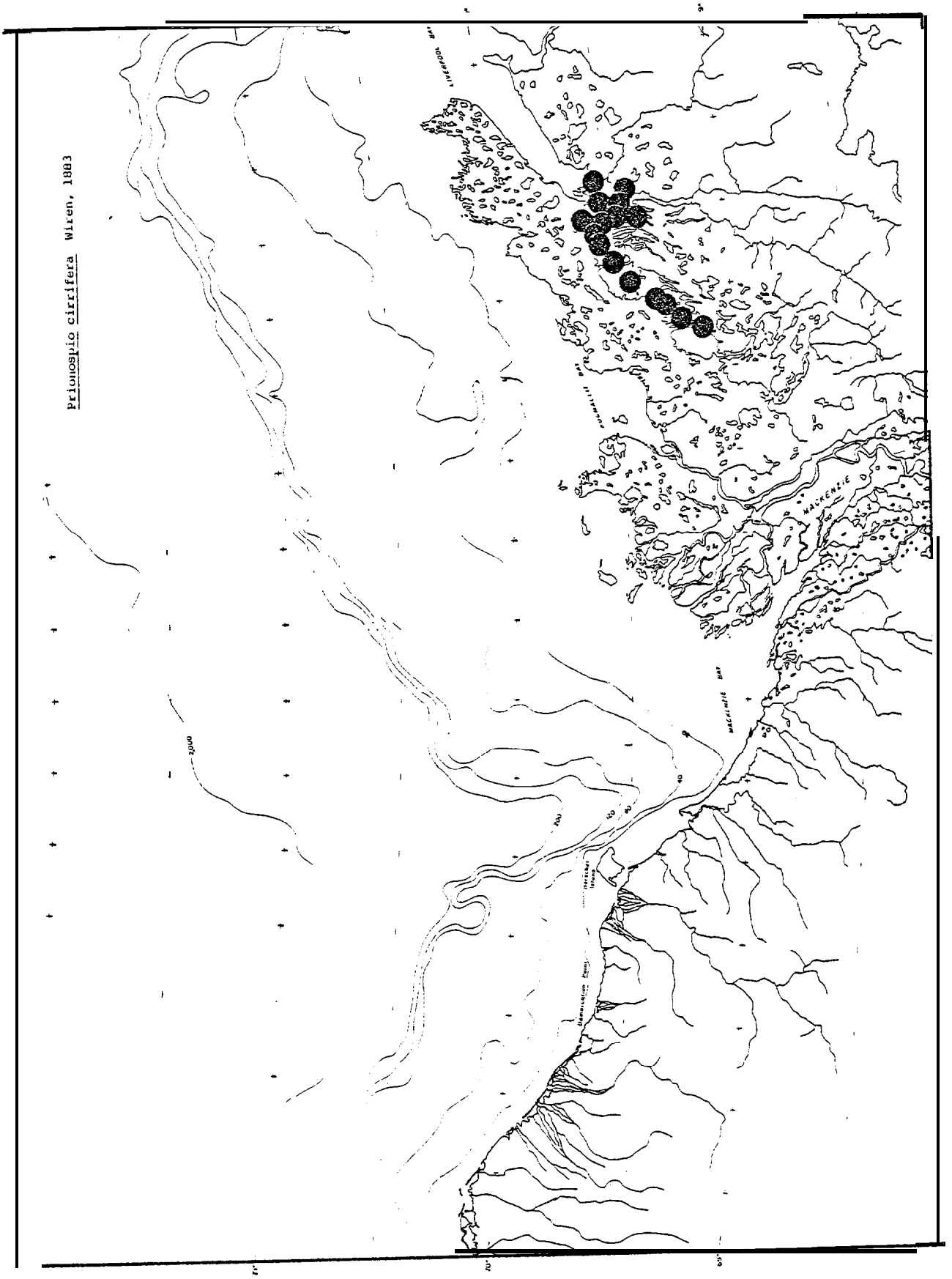

Polydora caeca (Oersted, 1843)
MACKENZIE
MACKENZIE BAY
5,000
70
63

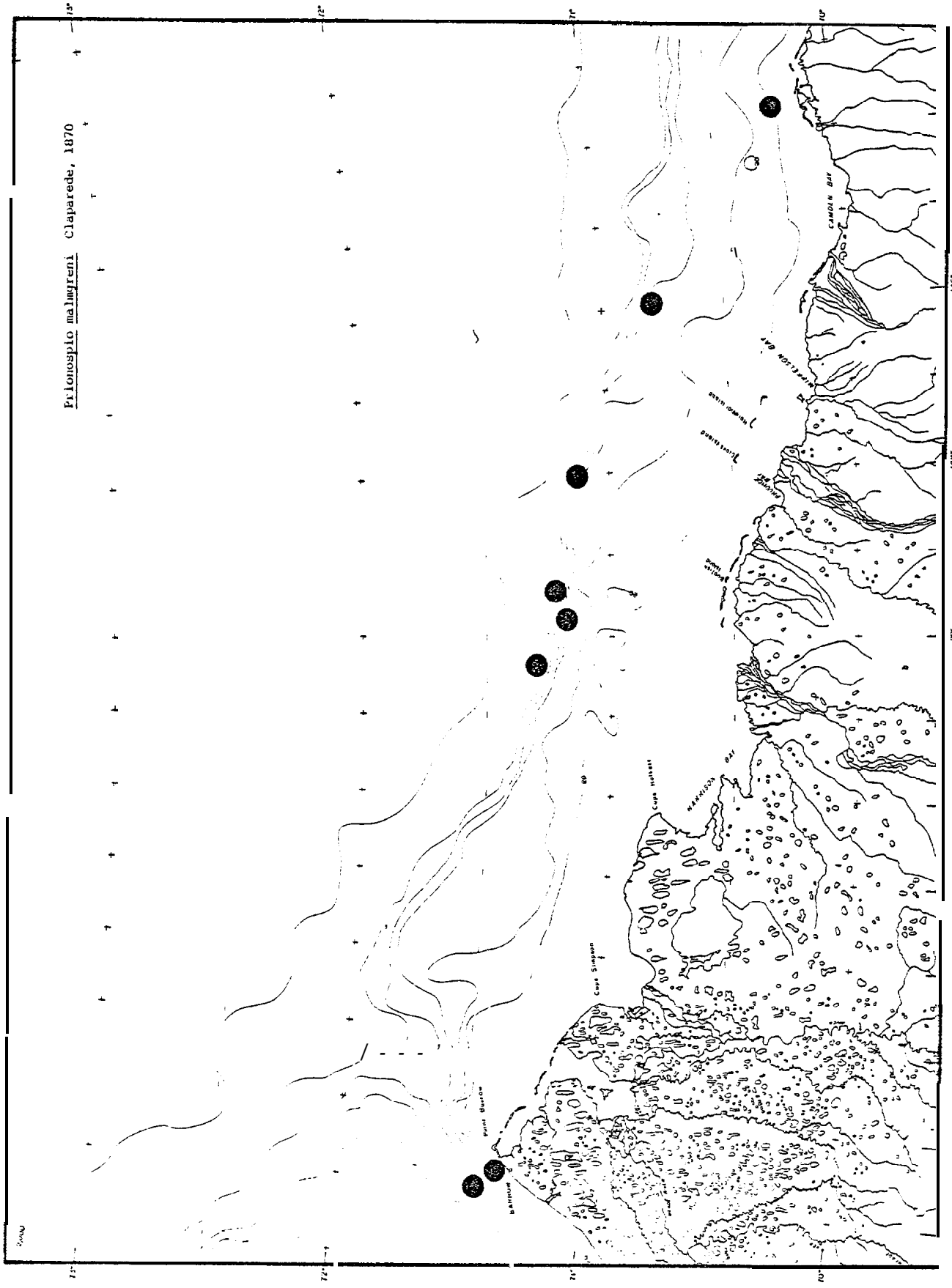


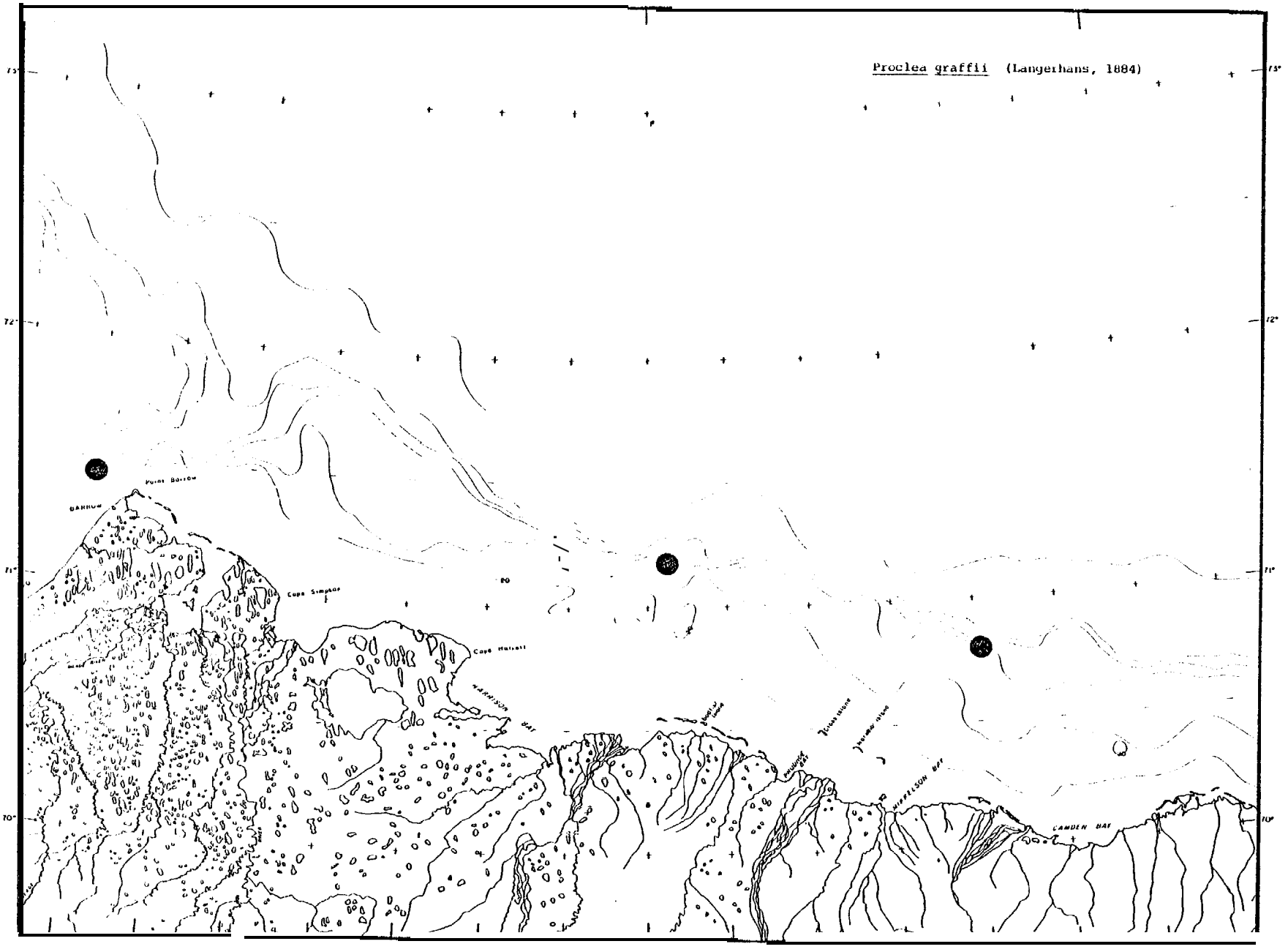
Polydora quadrilobata Jacobi, 1883

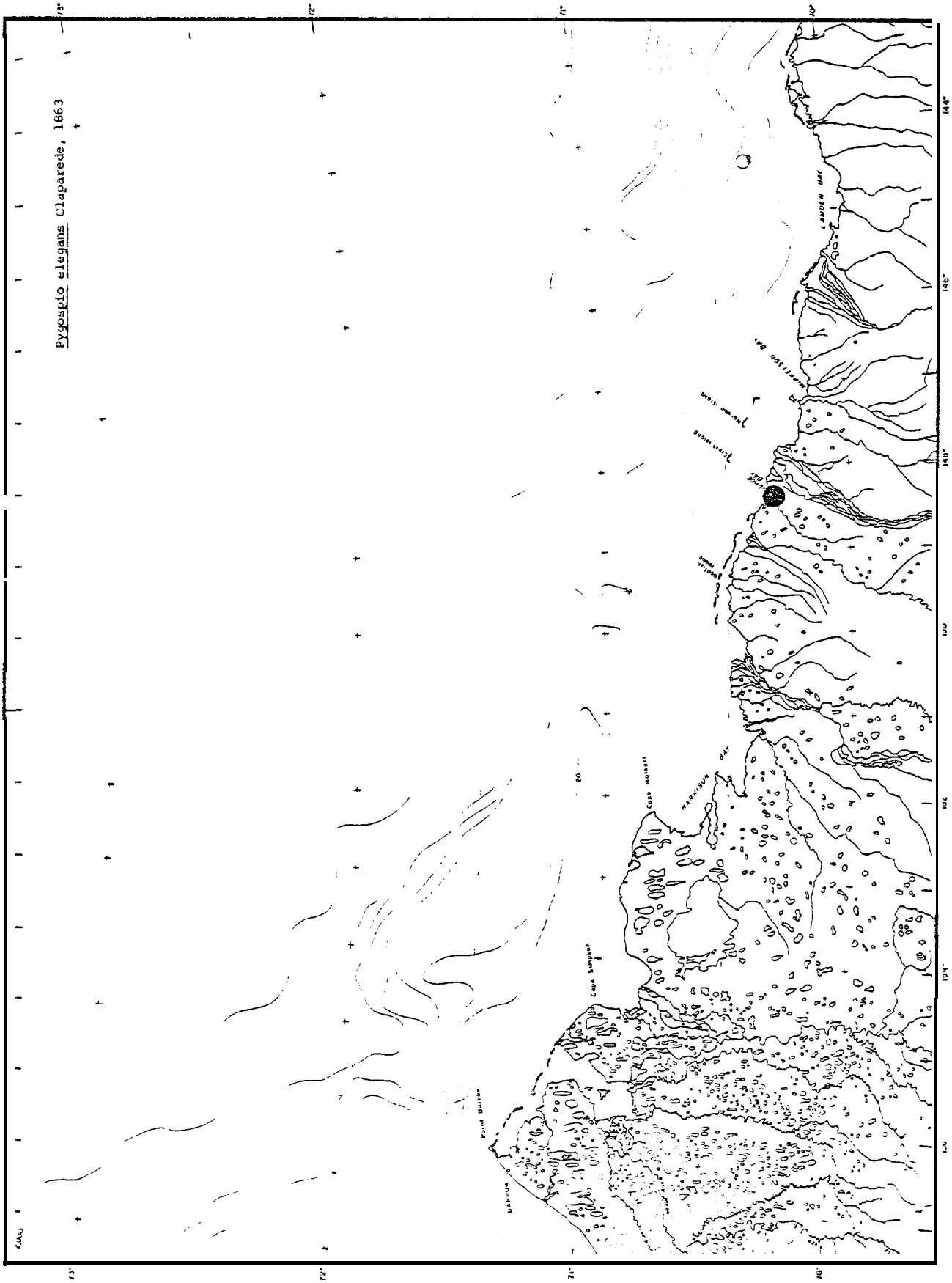

Praxillella praetermissa (Malmgren, 1866)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°

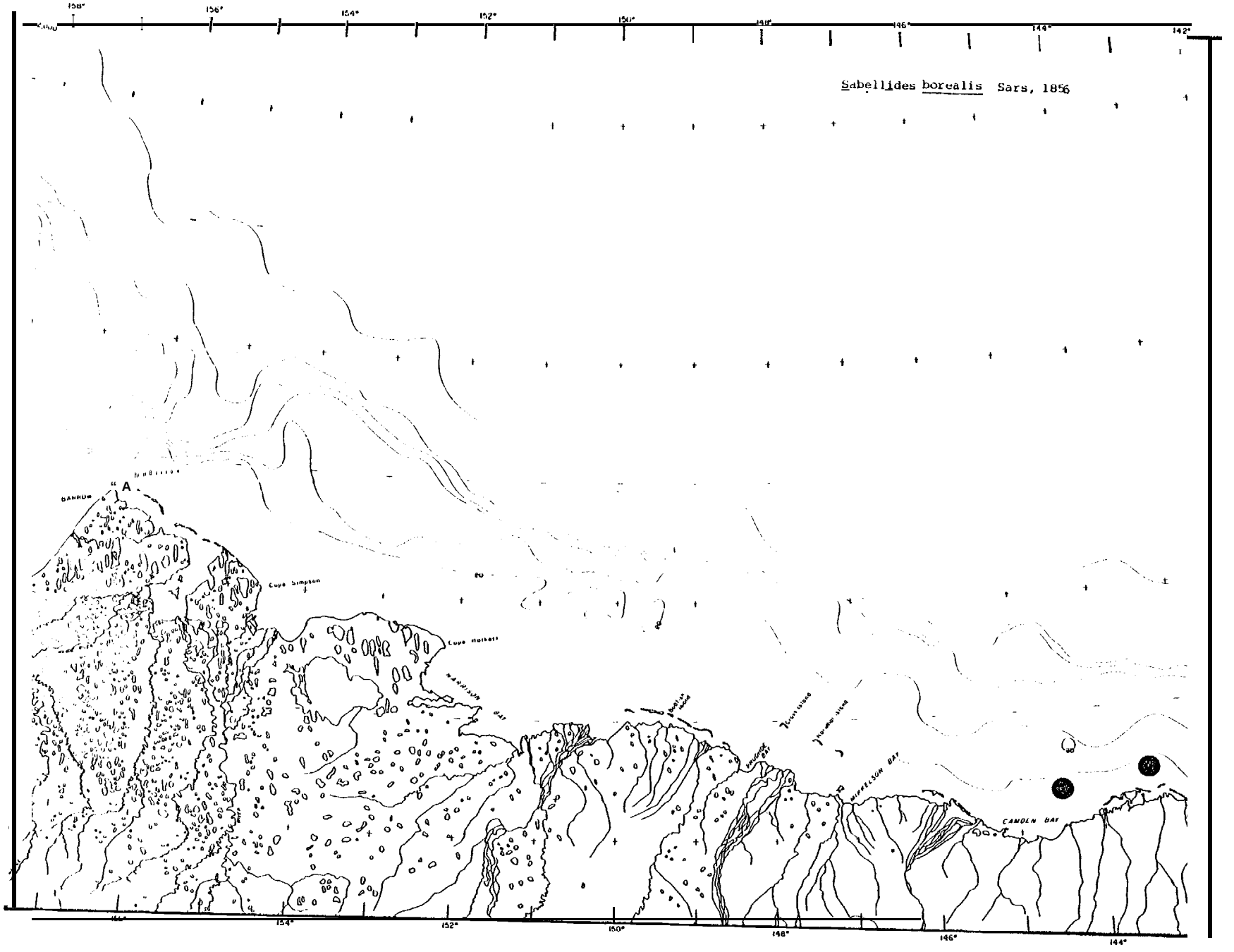

Prionospio cirrifera Wiren, 1883
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Bodfish Island
JUDE BAY
Cross Island
Humboldt Island
MIKKELSON BAY
CAMDEN BAY
142°
73°
72°
71°
70°

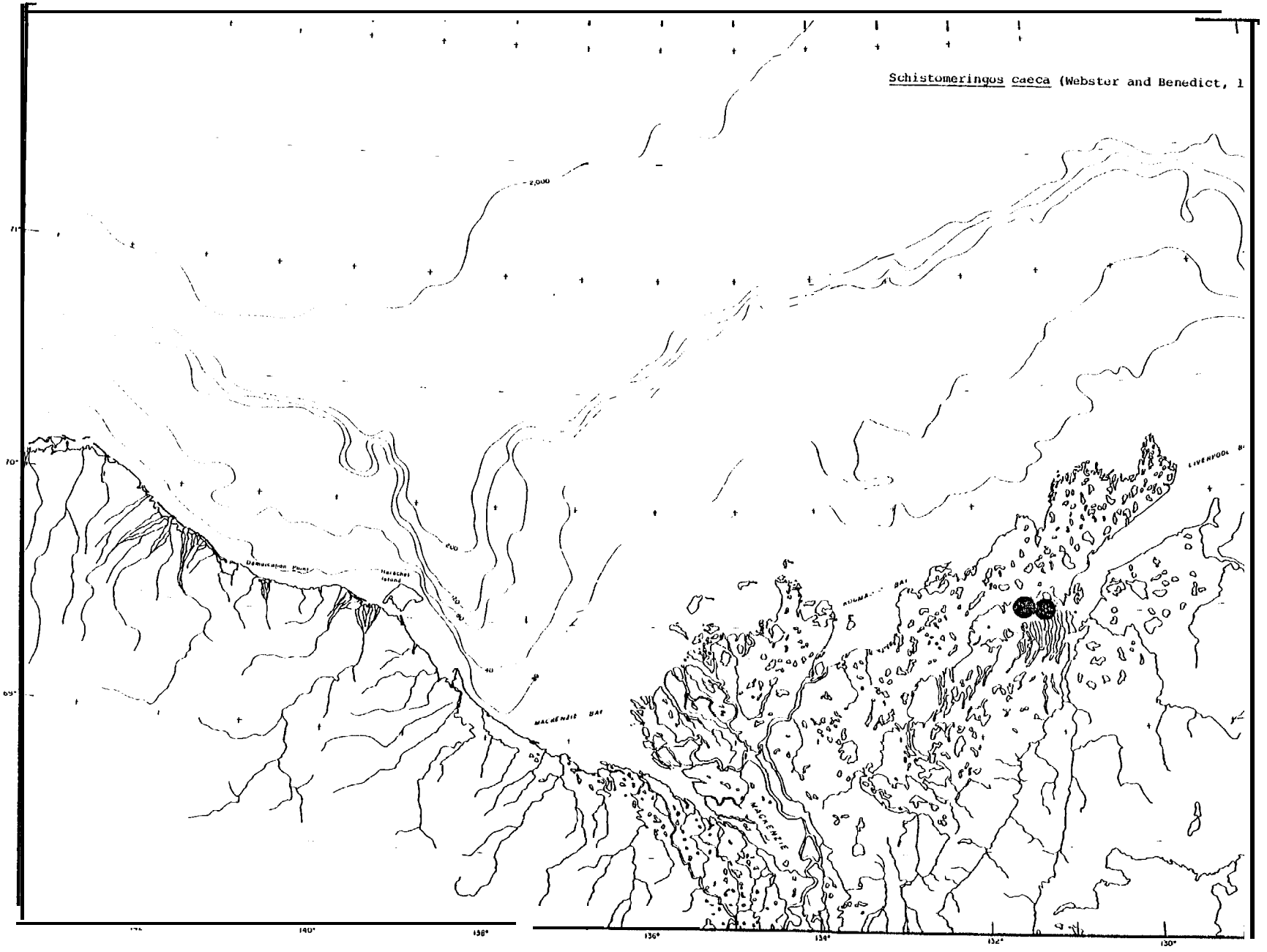

Prionospio cirrifera Wiren, 1883
MACKENZIE
MACKENZIE BAY
2000
200
120
80
40

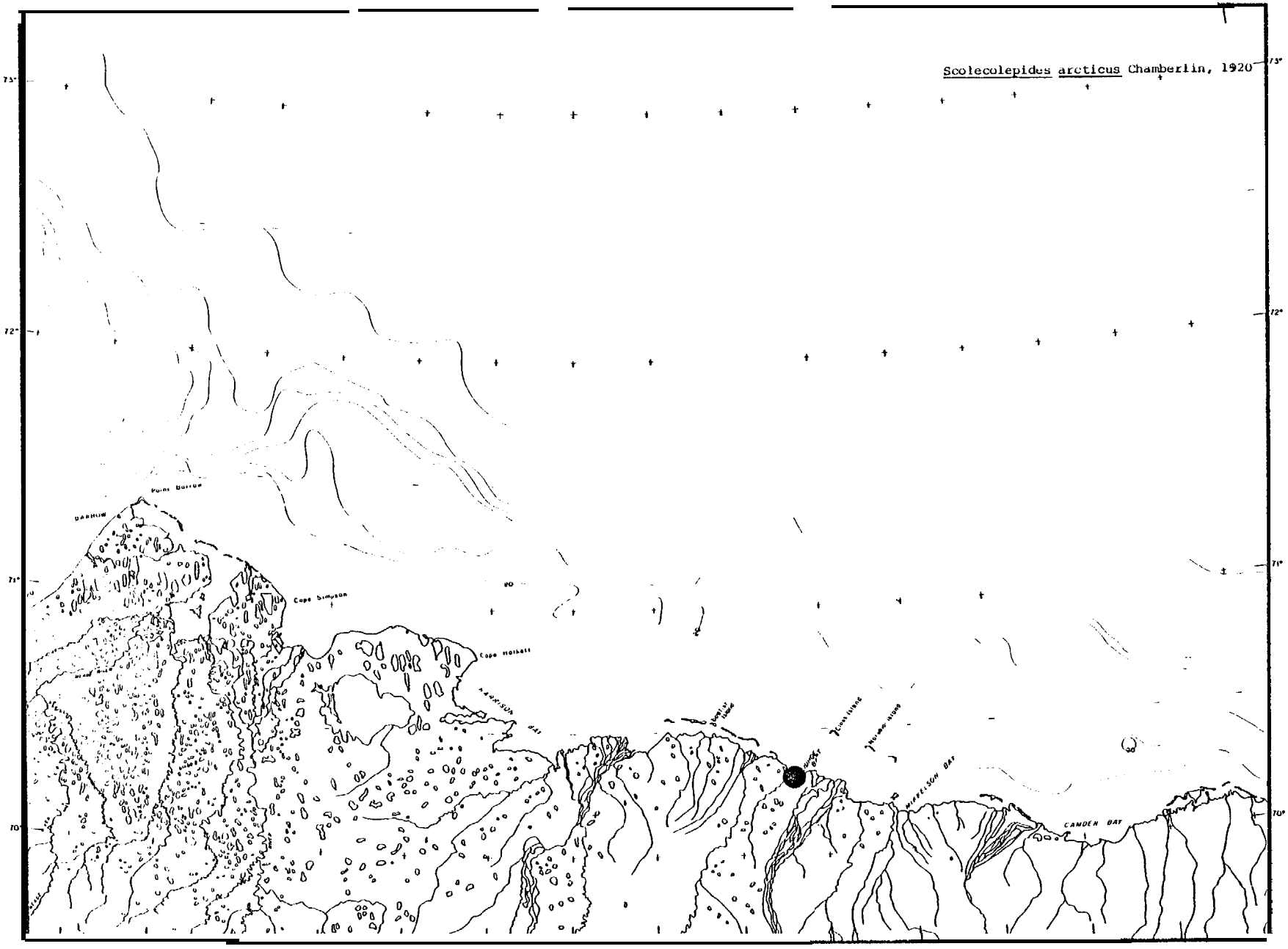

Prionospio malmgreni Claparede, 1870

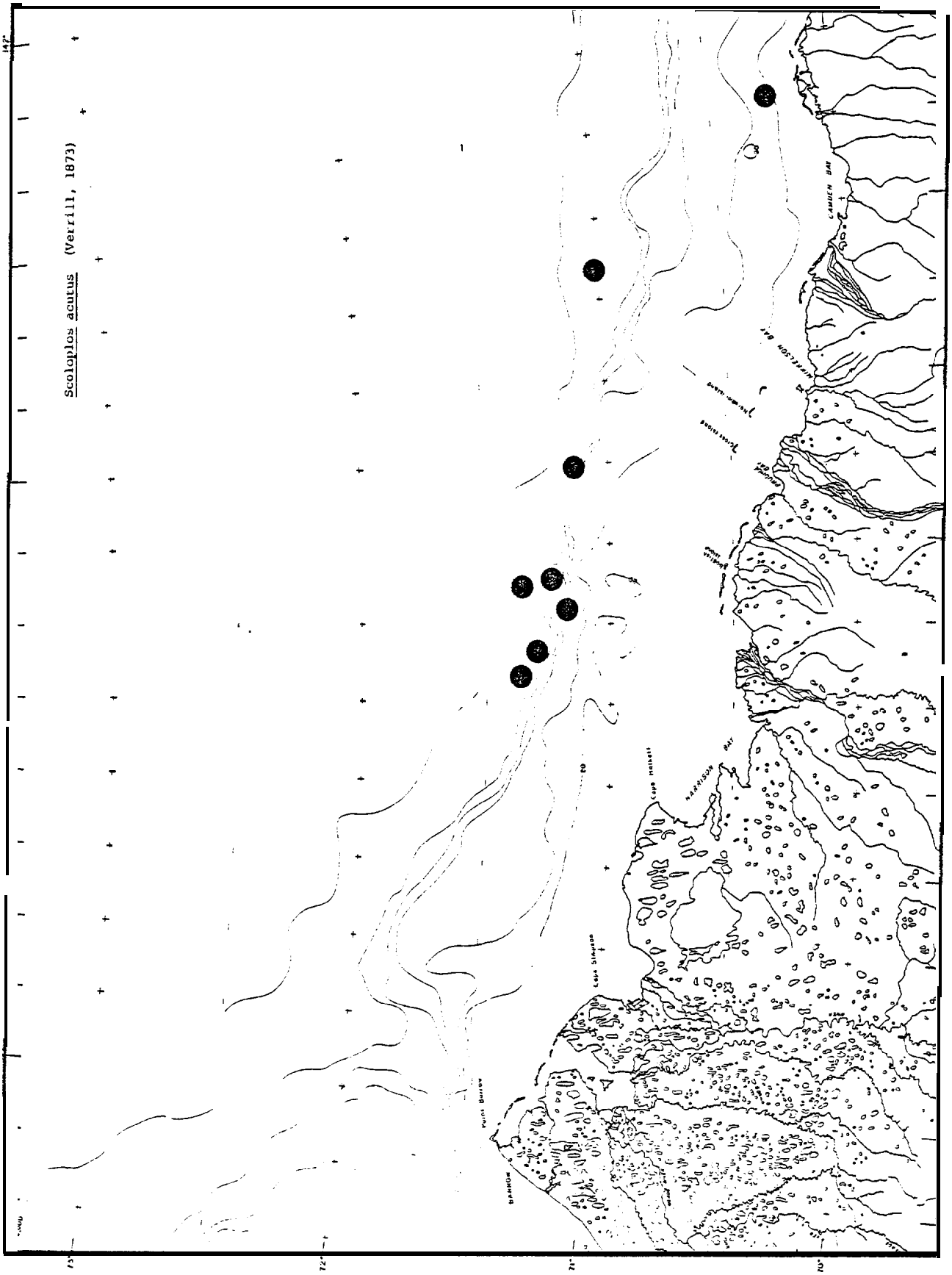

Proclea graffii (Langerhans, 1884)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIFFELSON BAY
CAMDEN BAY
73°
72°
71°
70°

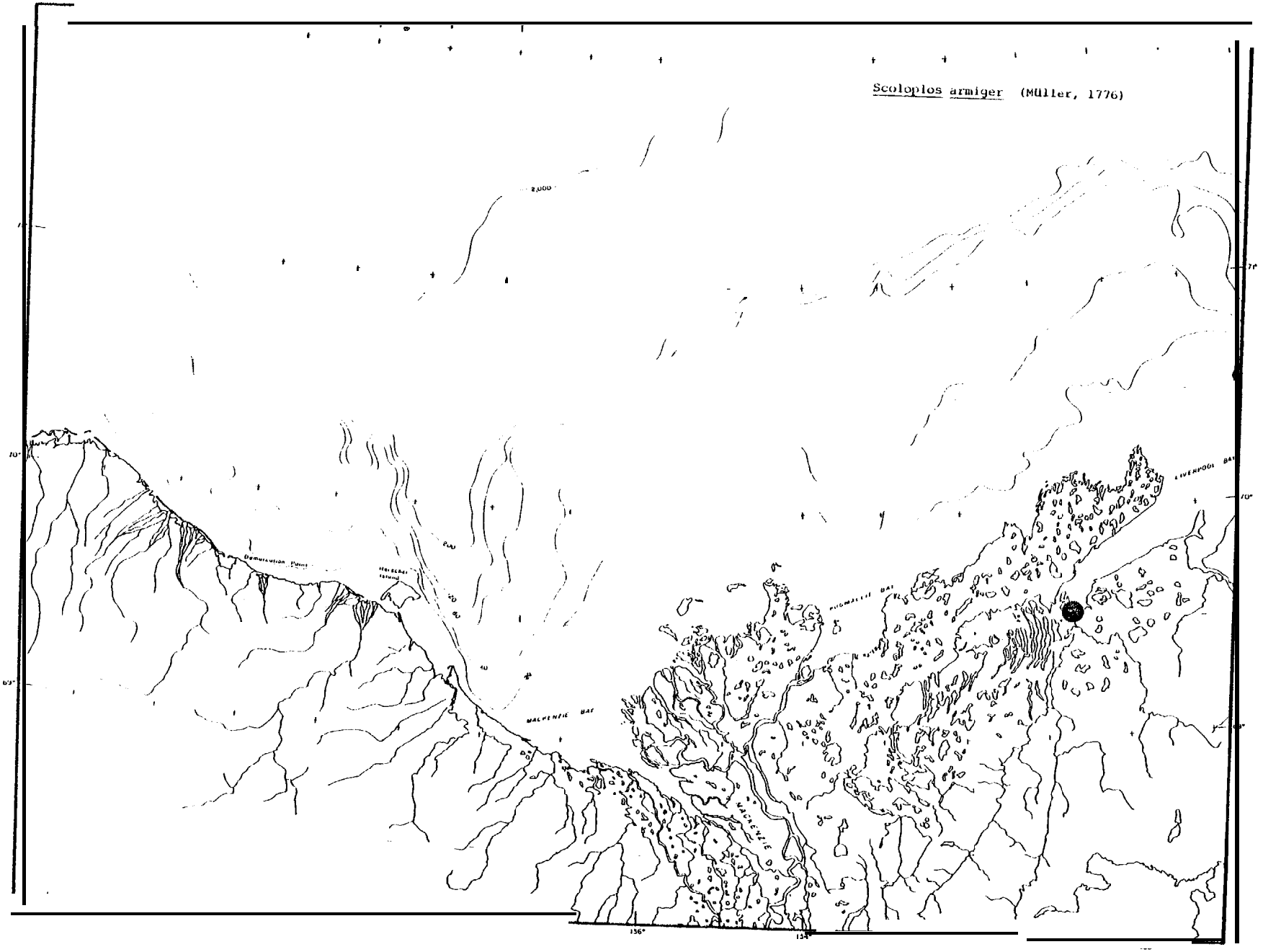

Pygospio elegans Claparede, 1863

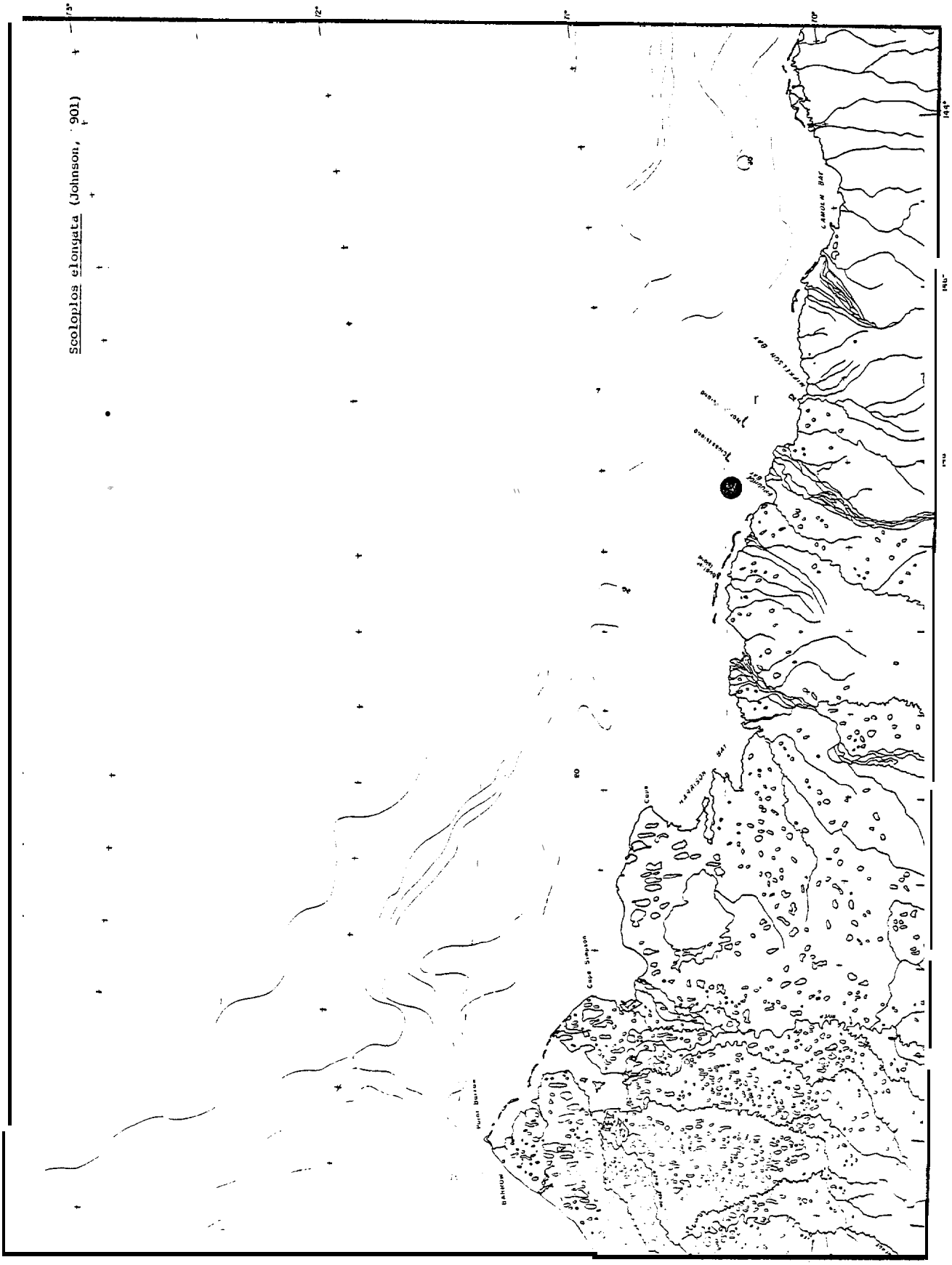

Sabellides borealis Sars, 1856
158°
156°
154°
152°
150°
148°
146°
144°
142°
A
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

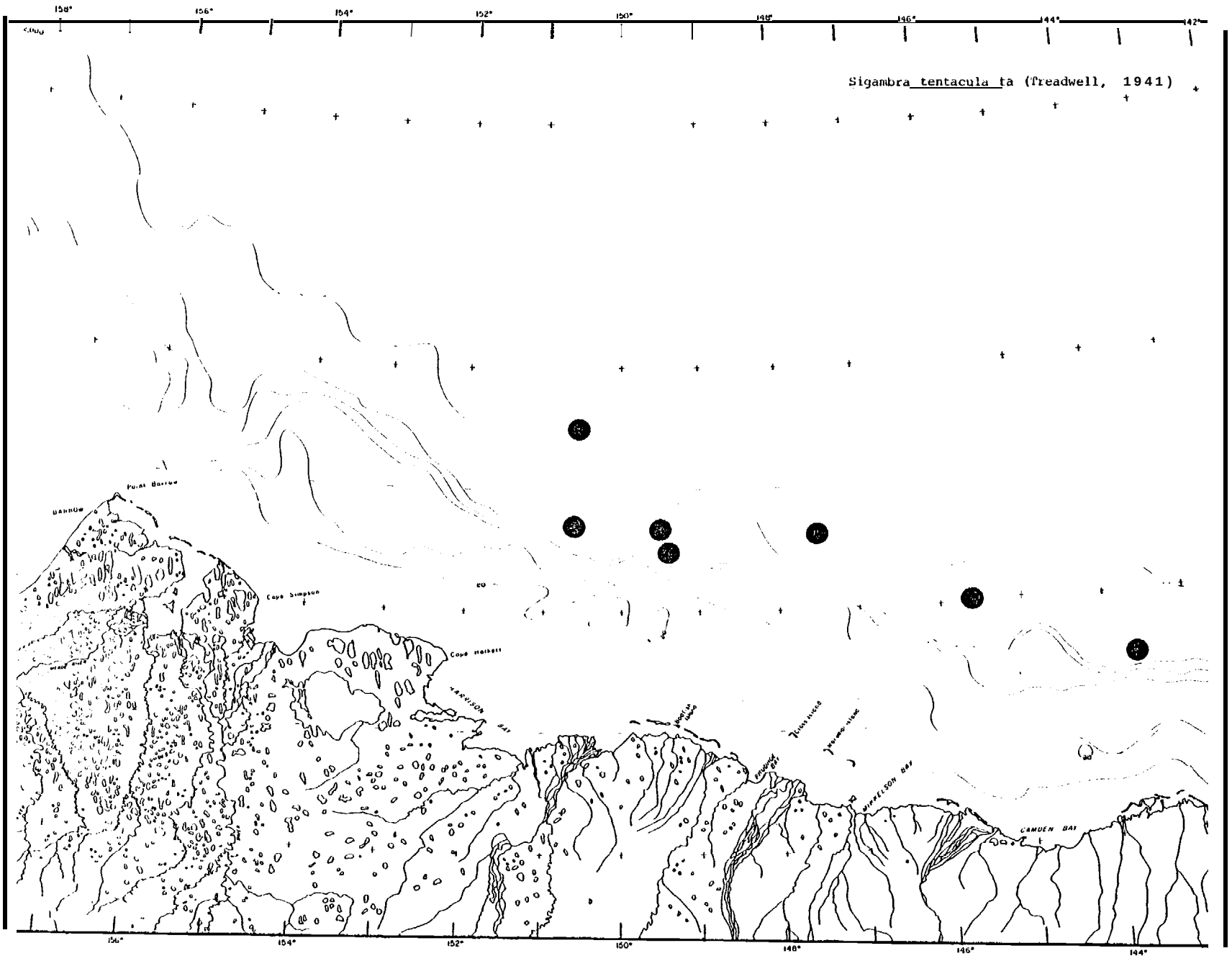

Schistomeringos caeca (Webster and Benedict, 1
2,000
200
40
Demarcation Point
Herschel Island
MACKENZIE BAY
MACKENZIE
LIVERPOOL B
71°
70°
69°
140°
138°
136°
134°
132°
130°

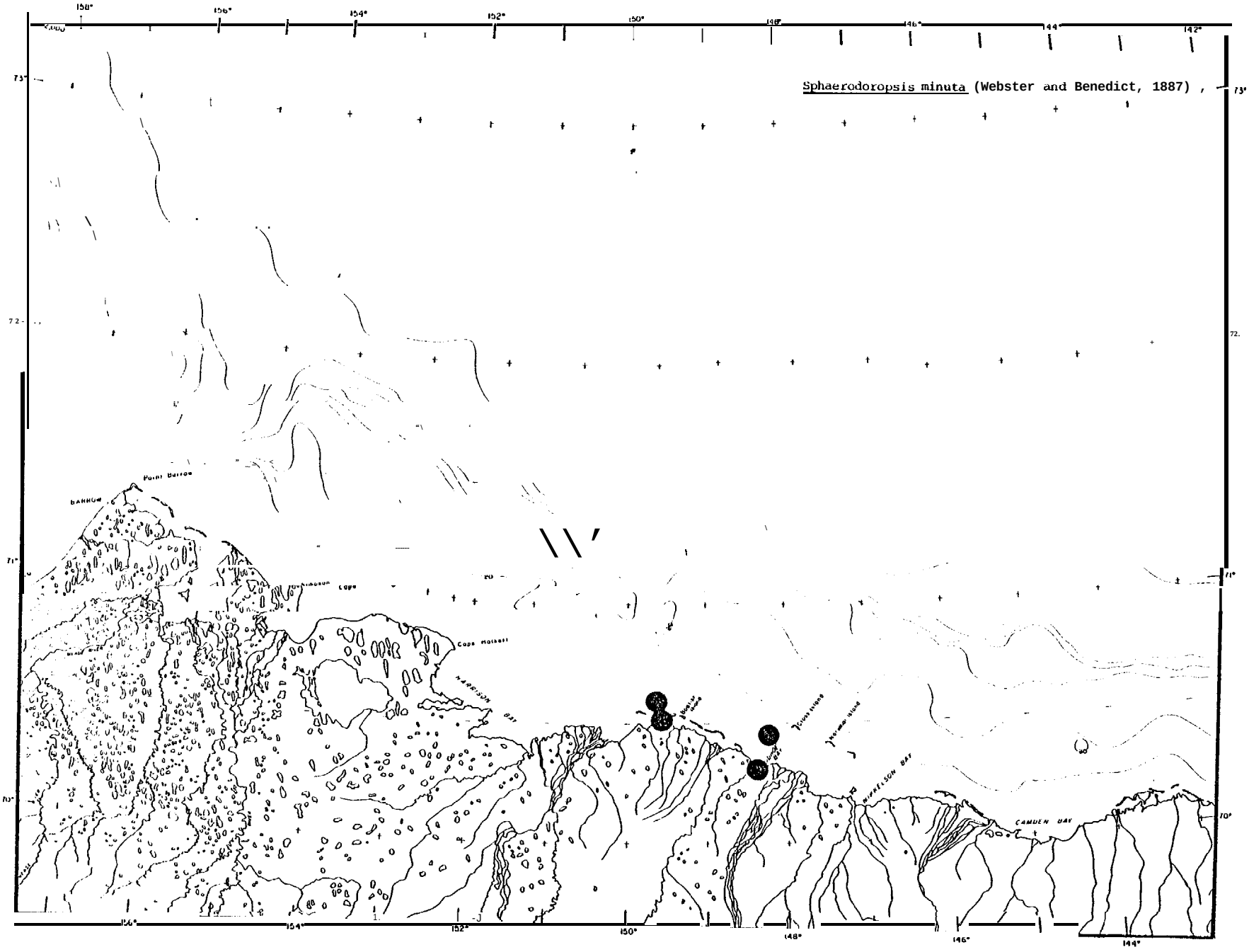

Scolecolepides arcticus Chamberlin, 1920
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

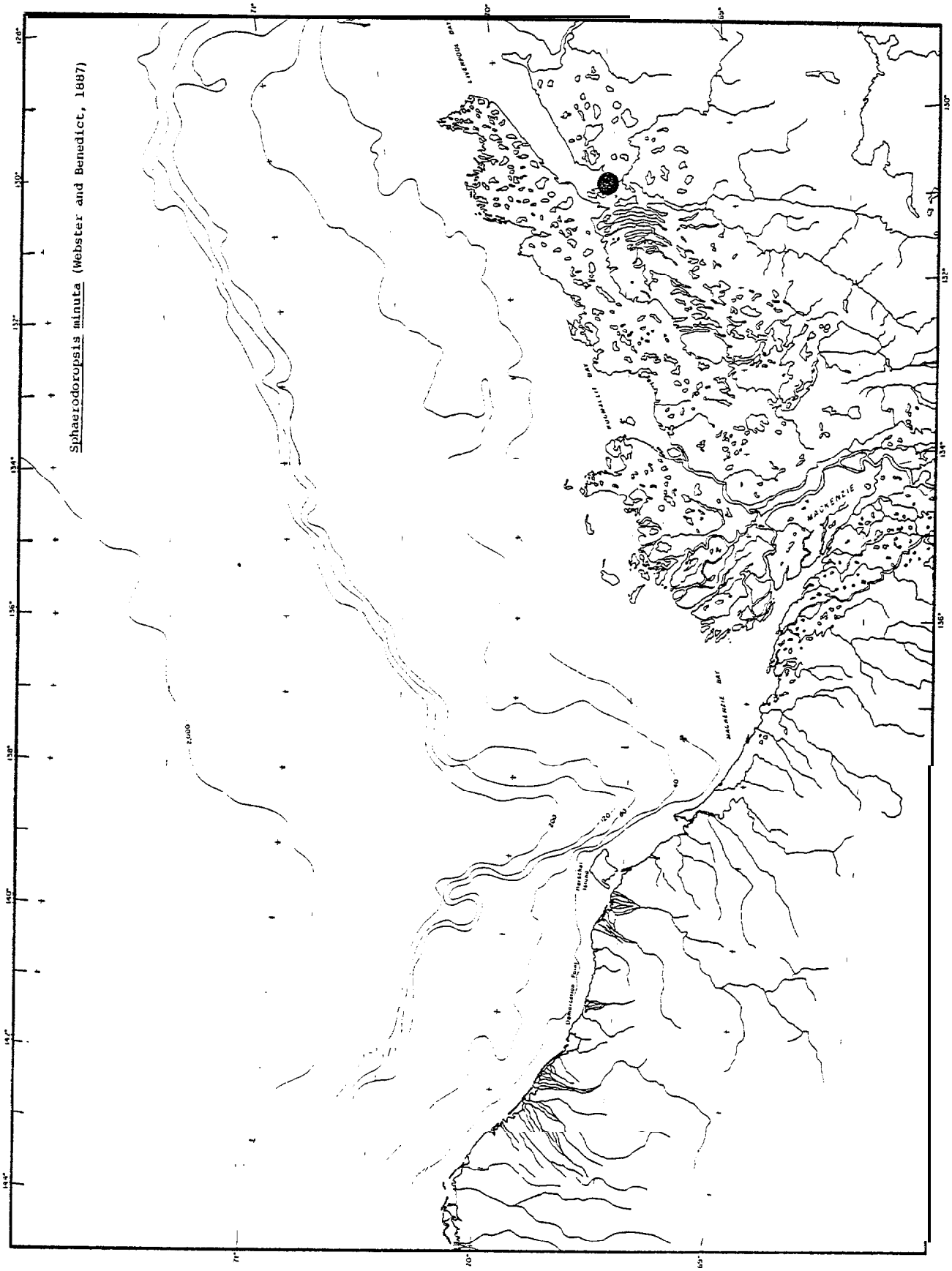

Scoloplos acutus (Verrill, 1873)

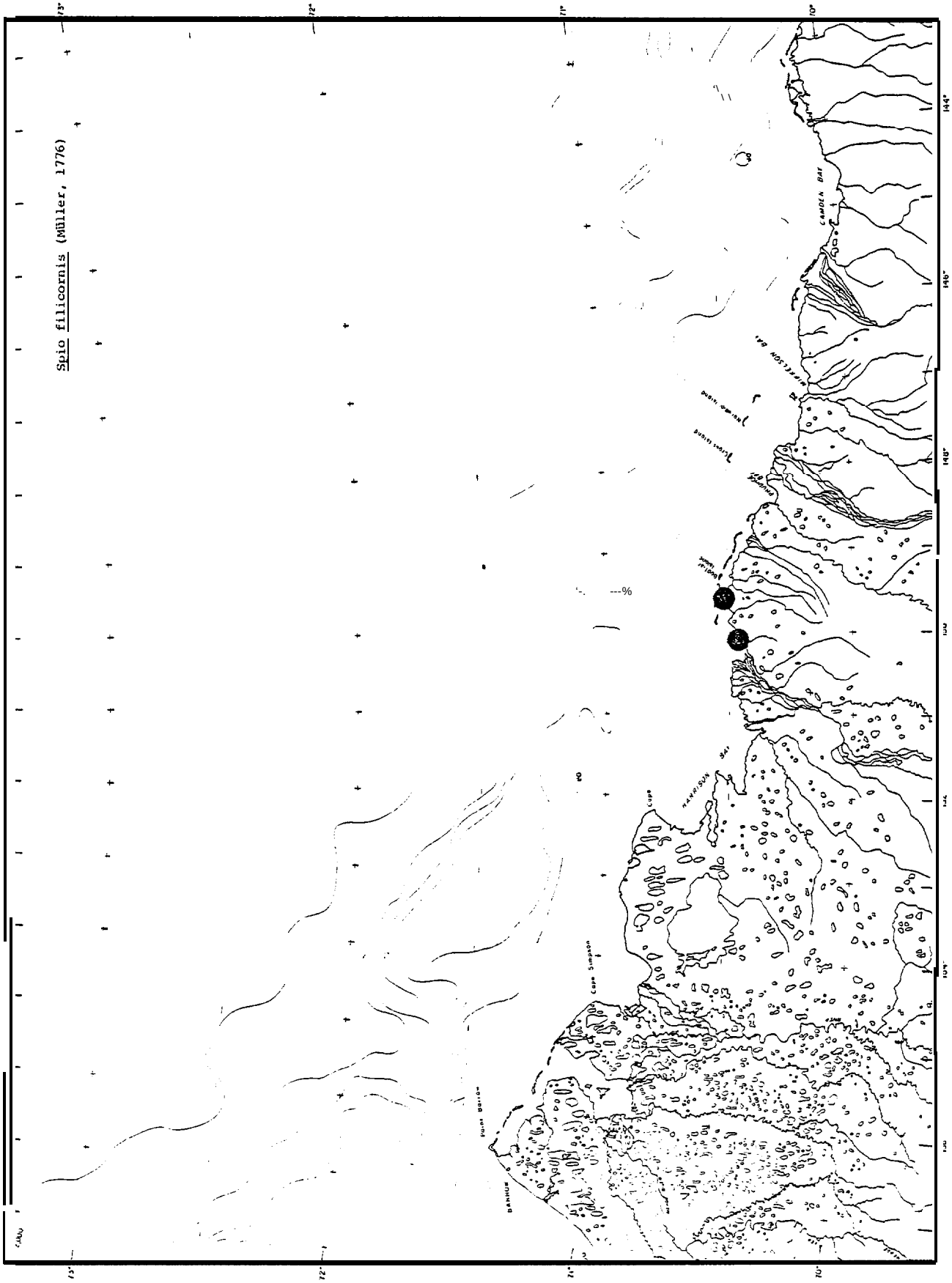

Scoloplos armiger (Müller, 1776)
2,000
Demarcation Point
MACKENZIE BAY
MACKENZIE
LIVERPOOL BAY
70°
69°
136°
134°

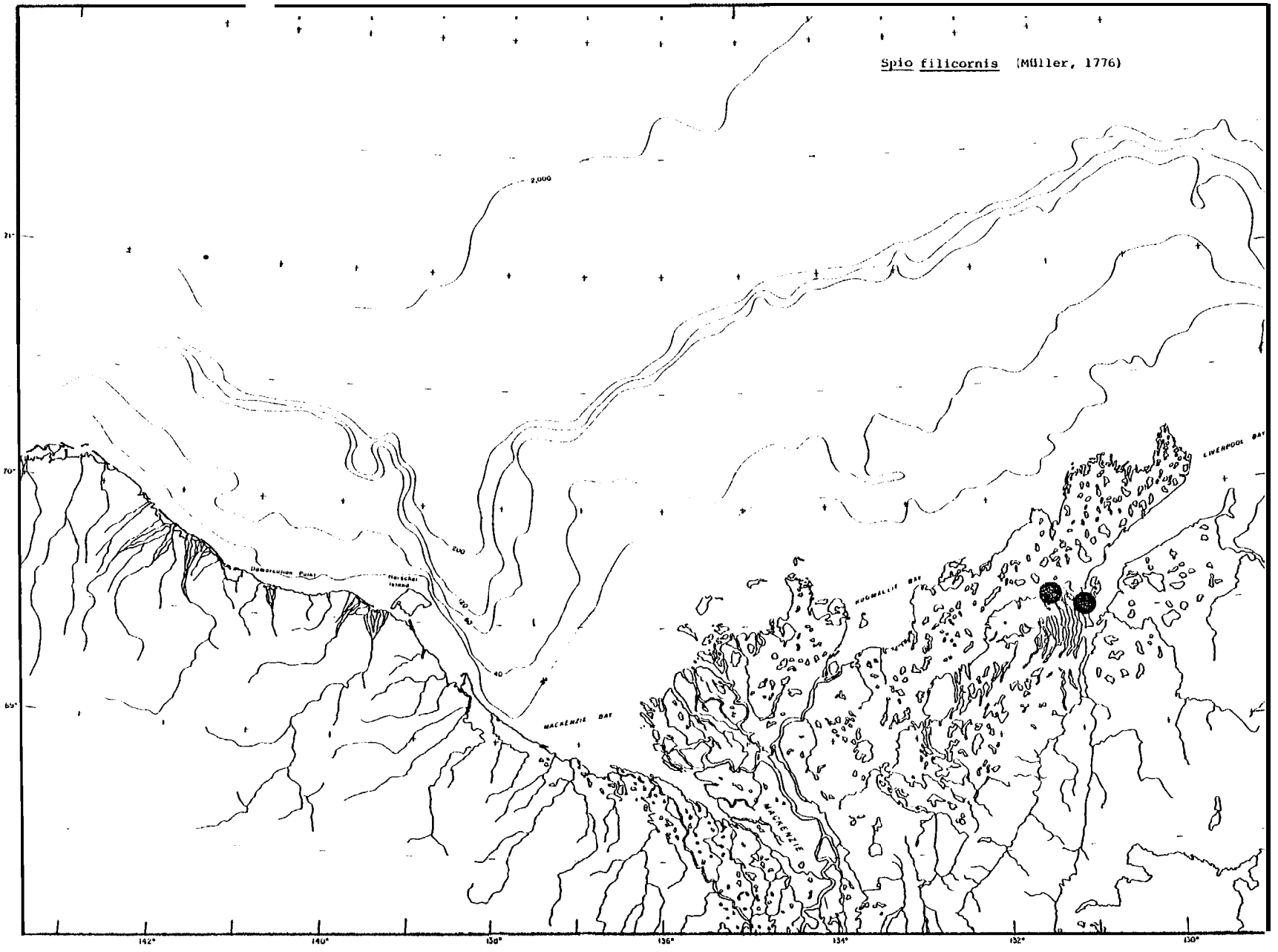

Scoloplos elongata (Johnson, 1901)

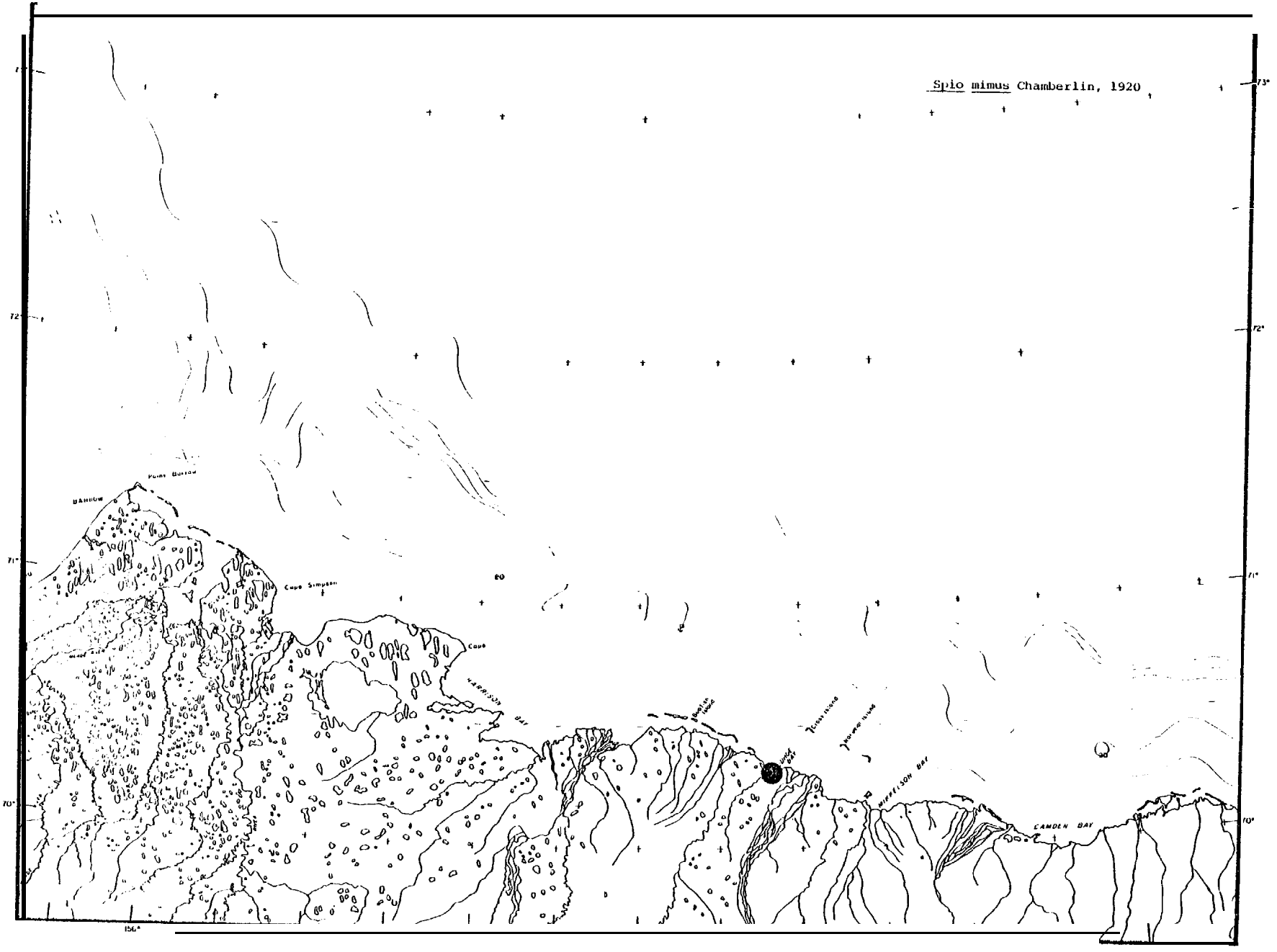

Sigambra tentacula ta (Treadwell, 1941)
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY

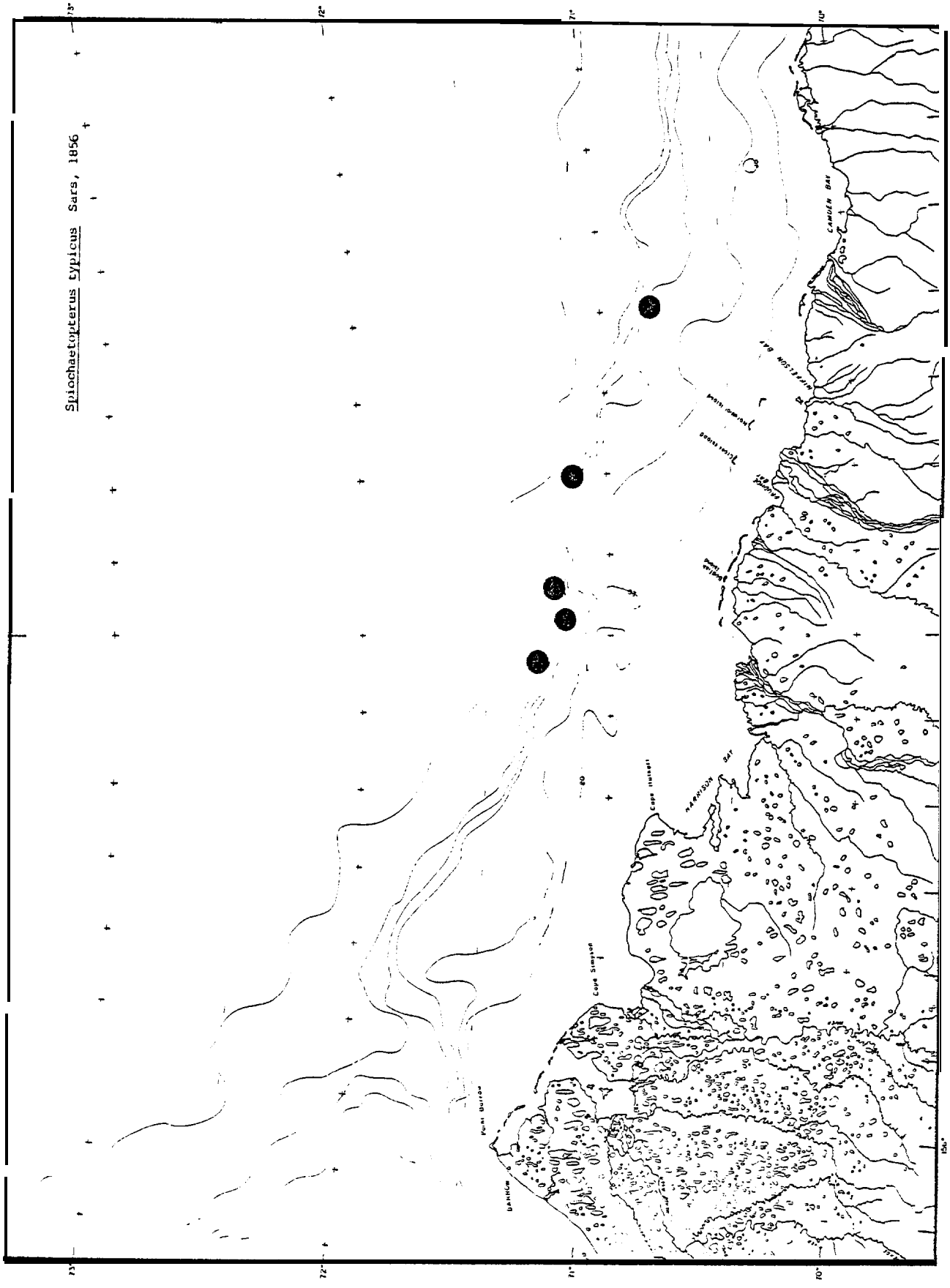

Sphaerodoropsis minuta (Webster and Benedict, 1887) ,
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Halkett
HARRISON BAY
CAMDEN BAY

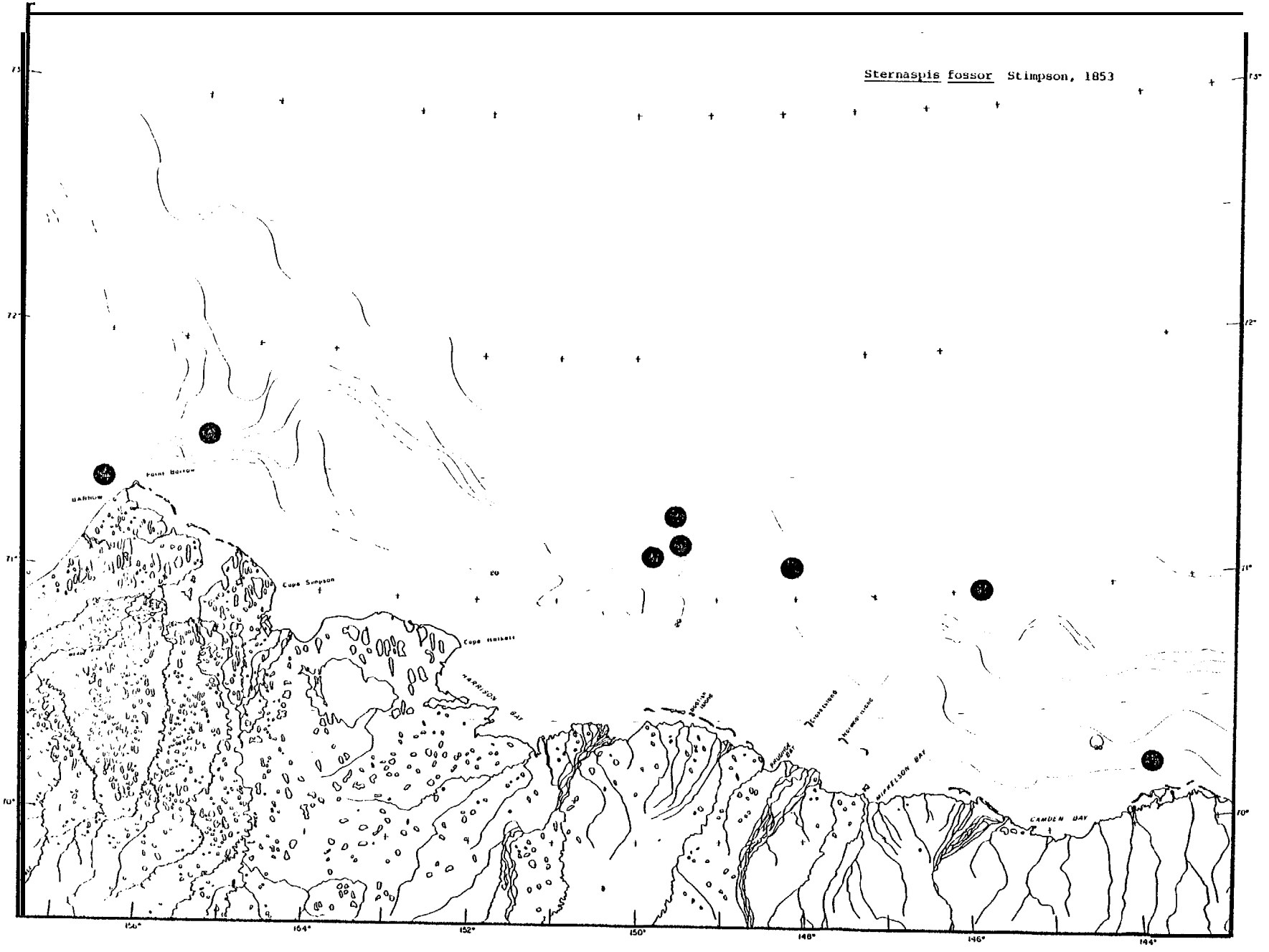

Sphaerodoropsis minuta (Webster and Benedict, 1887)
MACKENZIE
MACKENZIE BAY
2,000
200
40

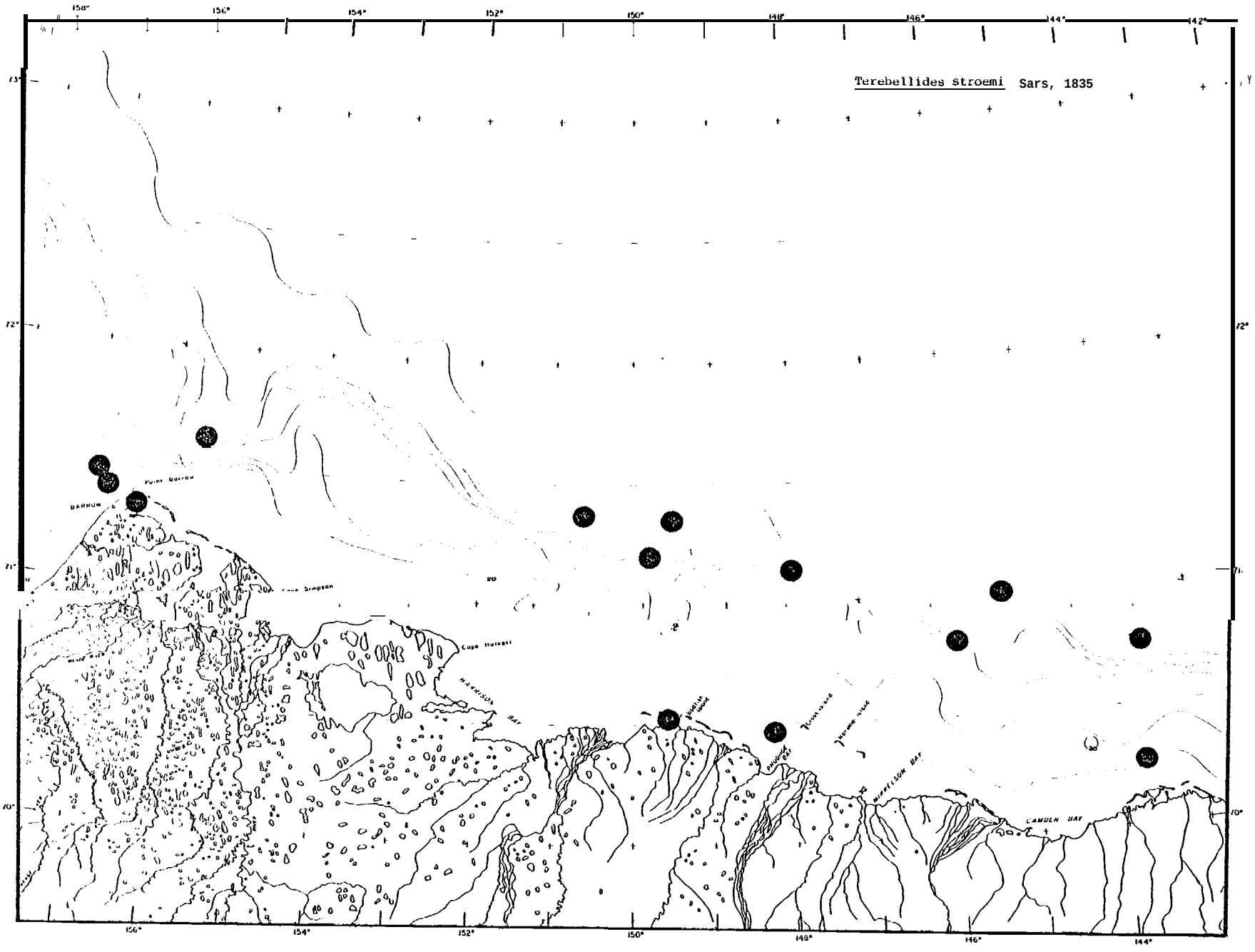

Spio filicornis (Müller, 1776)

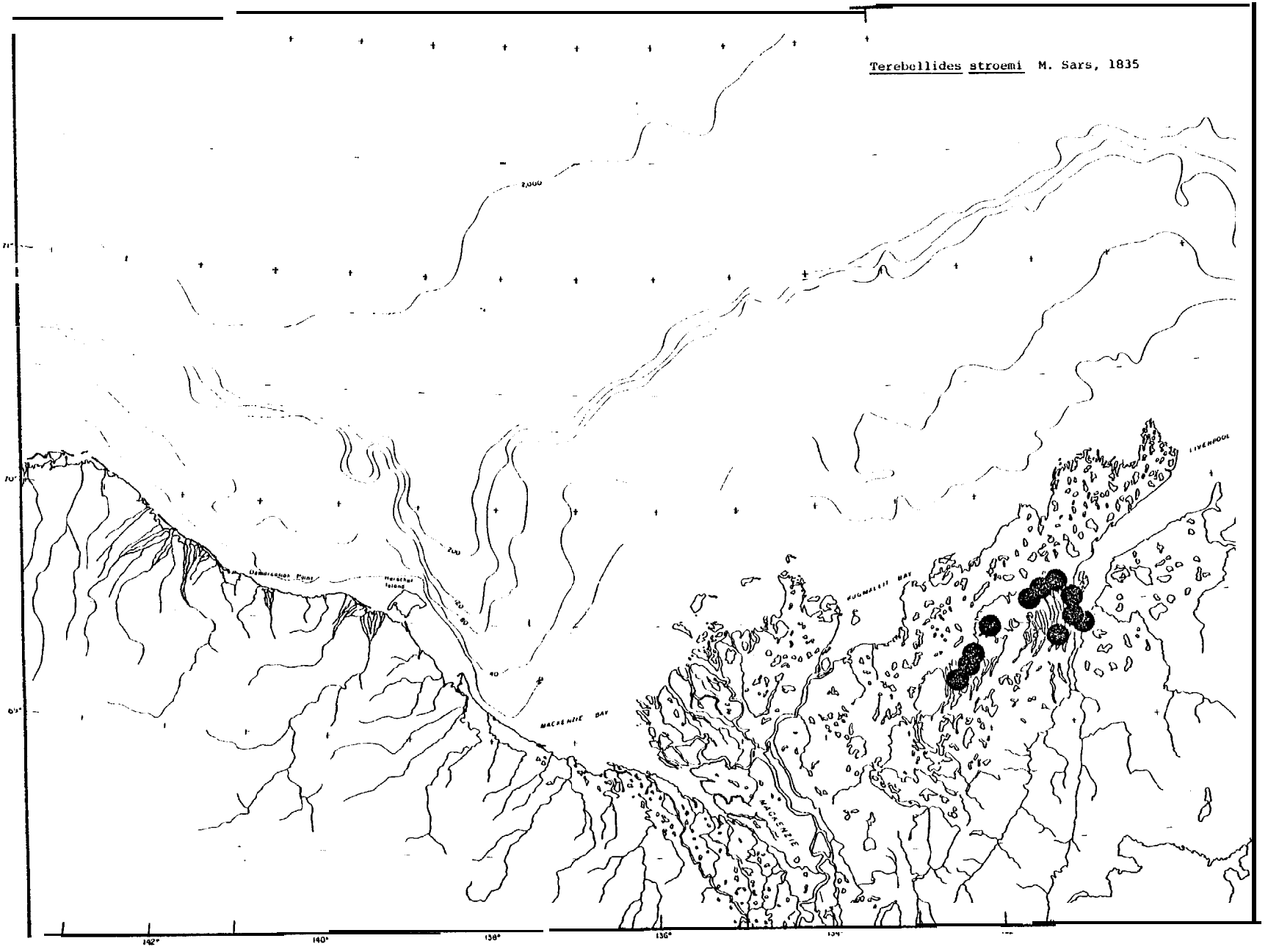

Spio filicornis (Müller, 1776)
2,000
200
120
80
40
Demarcation Point
Herschel Island
MACKENZIE BAY
HUGMALLIE BAY
LIVERPOOL BAY
MACKENZIE
71°
70°
69°
142°
140°
138°
136°
134°
132°
130°


Spio mimus Chamberlin, 1920
73°
72°
71°
70°
156°
Point Barrow
BARROW
Cape Simpson
Cape
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

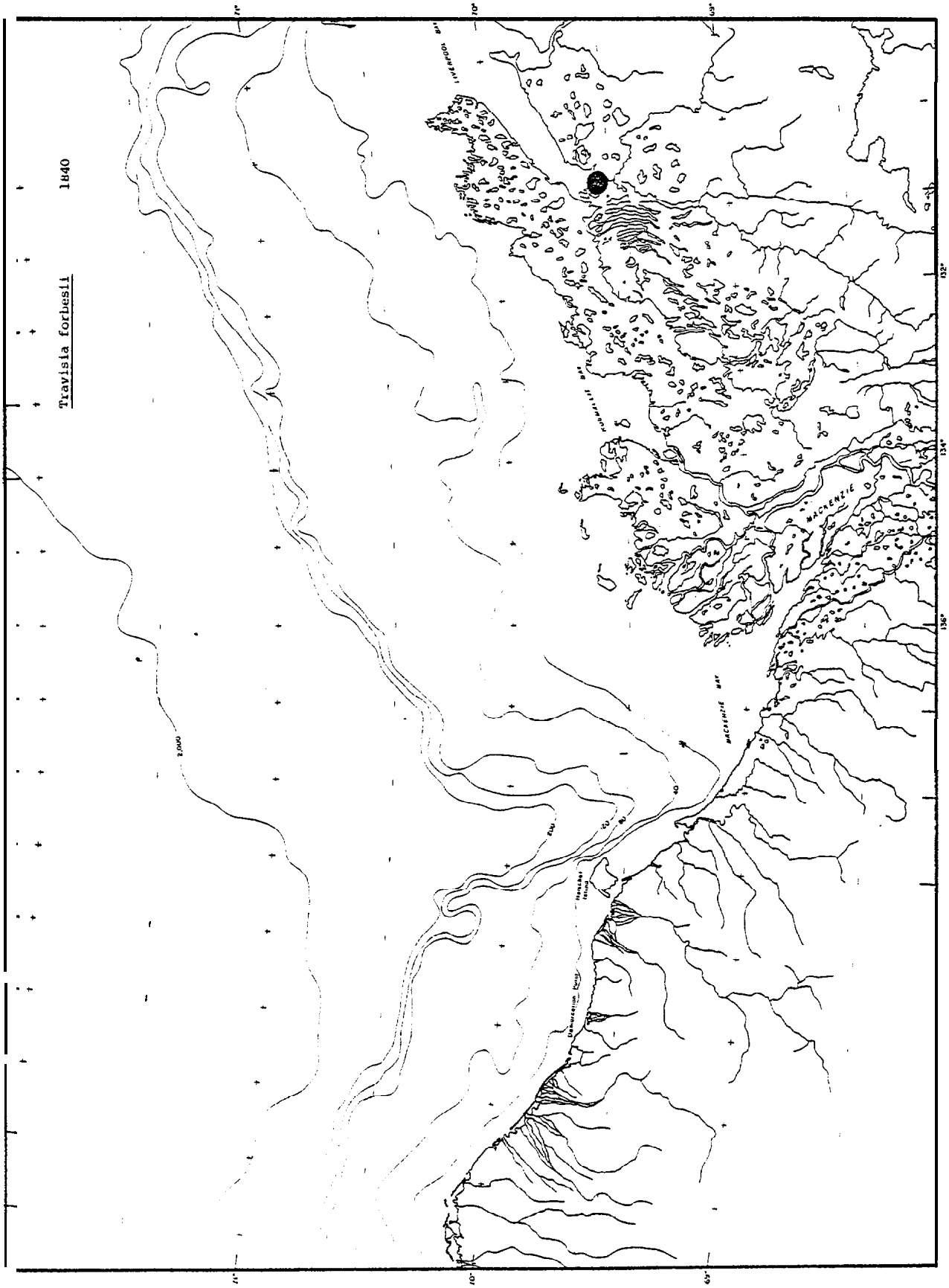

Spiochaetopterus typicus Sars, 1856
73°
72°
71°
70°
CAMDEN BAY
MARKHAM BAY
Cape Simpson
Point Barrow

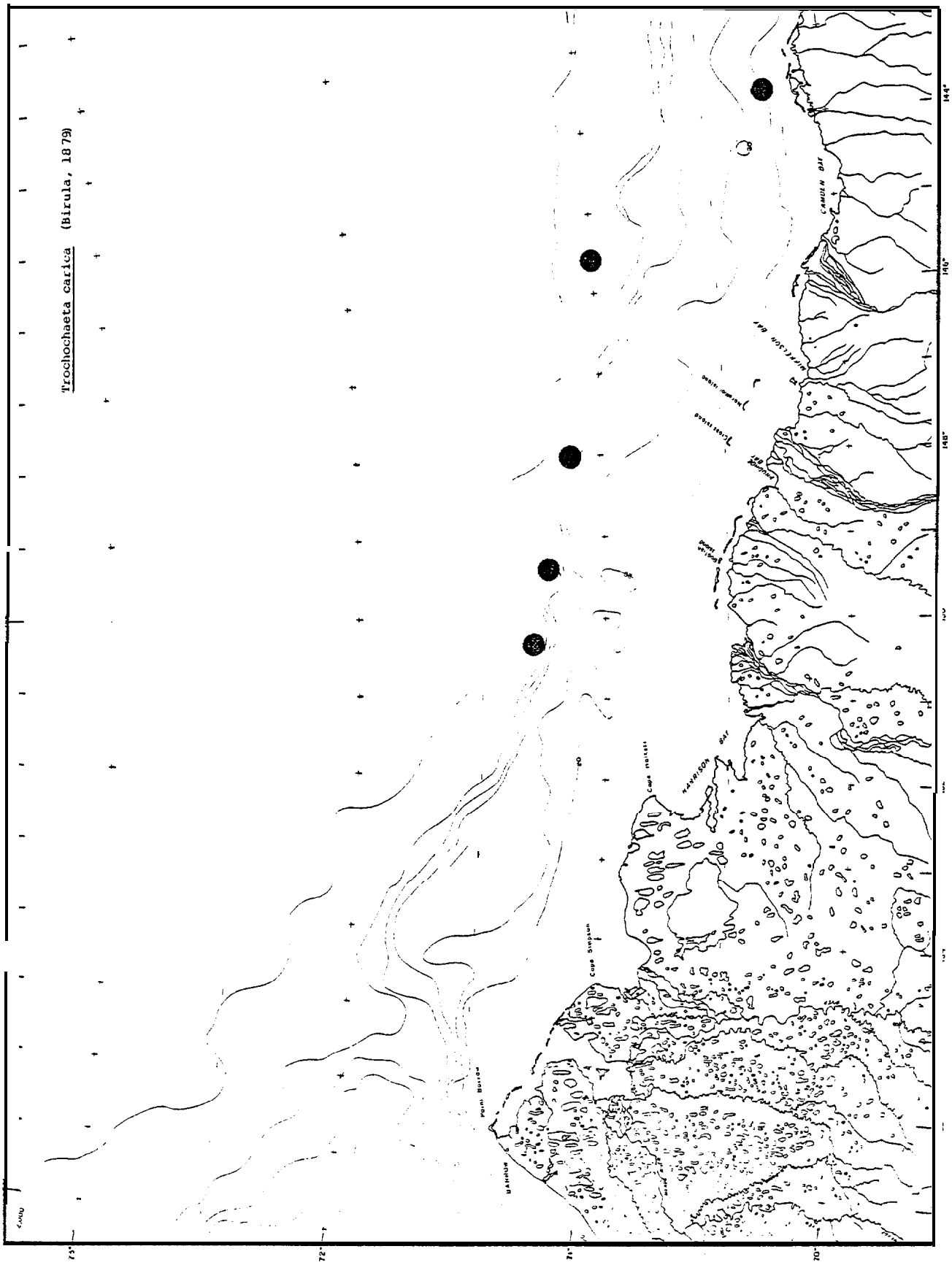

Sternaspis fossor Stimpson, 1853
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

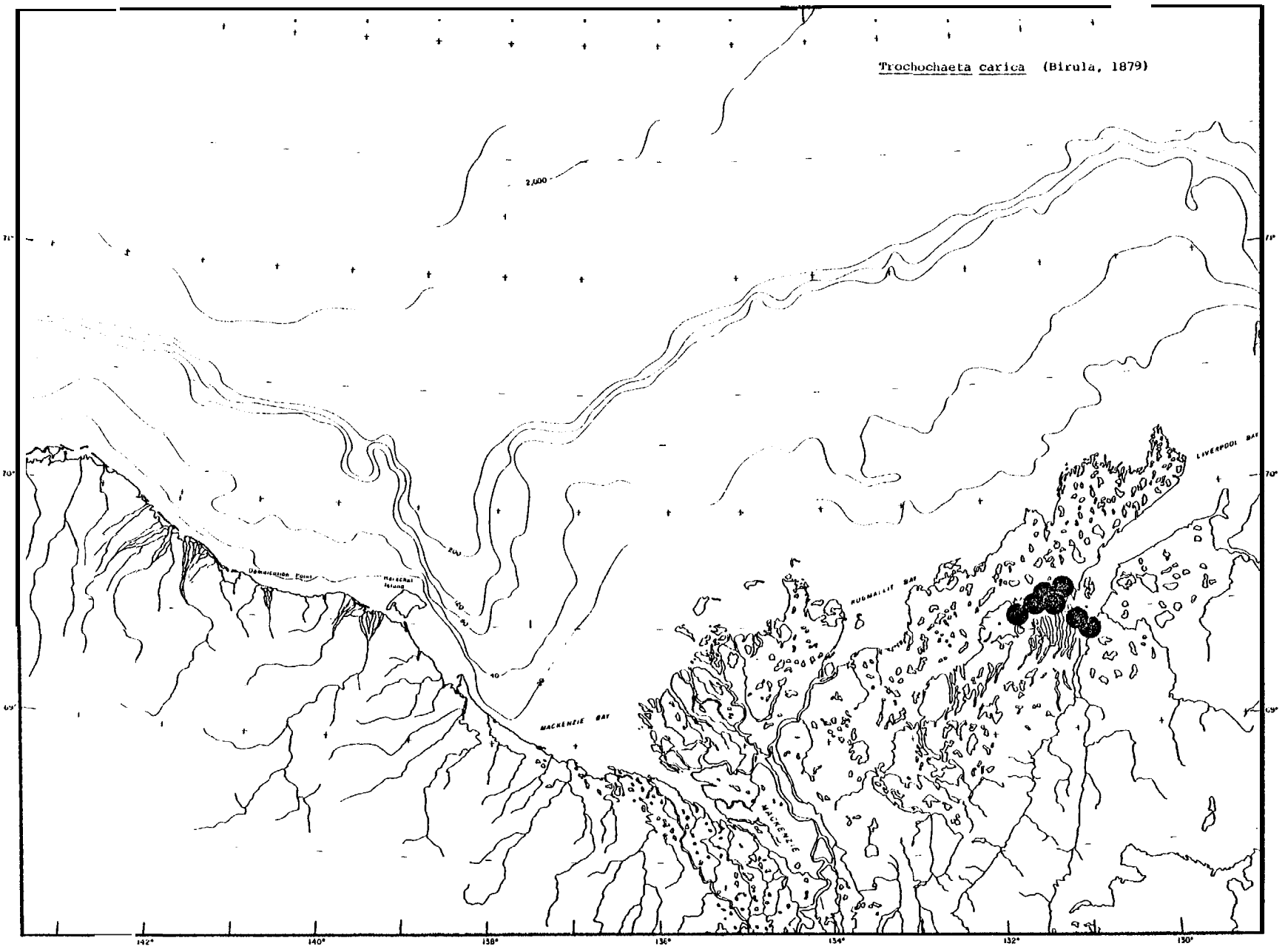

Terebellides stroemi Sars, 1835
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°



Terebellides stroemi M. Sars, 1835


Travisia forbesii
1840
LIVERPOOL BAY
MACKENZIE
MACKENZIE BAY
2,000
Demarcation Point
Herschel Island
71°
70°
69°
132°
134°
136°


Trochochaeta carica (Birula, 1879)


Trochochaeta carica (Birula, 1879)
2,000
200
120
80
40
MACKENZIE BAY
MACKENZIE
LIVERPOOL BAY
71°
70°
69°
142°
140°
138°
136°
134°
132°
130°