RU-001

BI-RF/AK17

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Summarization of existing literature and unpublished data on the distribution, abundance, and life histories of benthic organisms (Beaufort Sea)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 C.
Echinoderm and
Mollusc Distributions

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

1 January 1977

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Summarization of existing literature and unpublished data on the distribution, abundance, and life histories of benthic organisms

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

1 January 1977

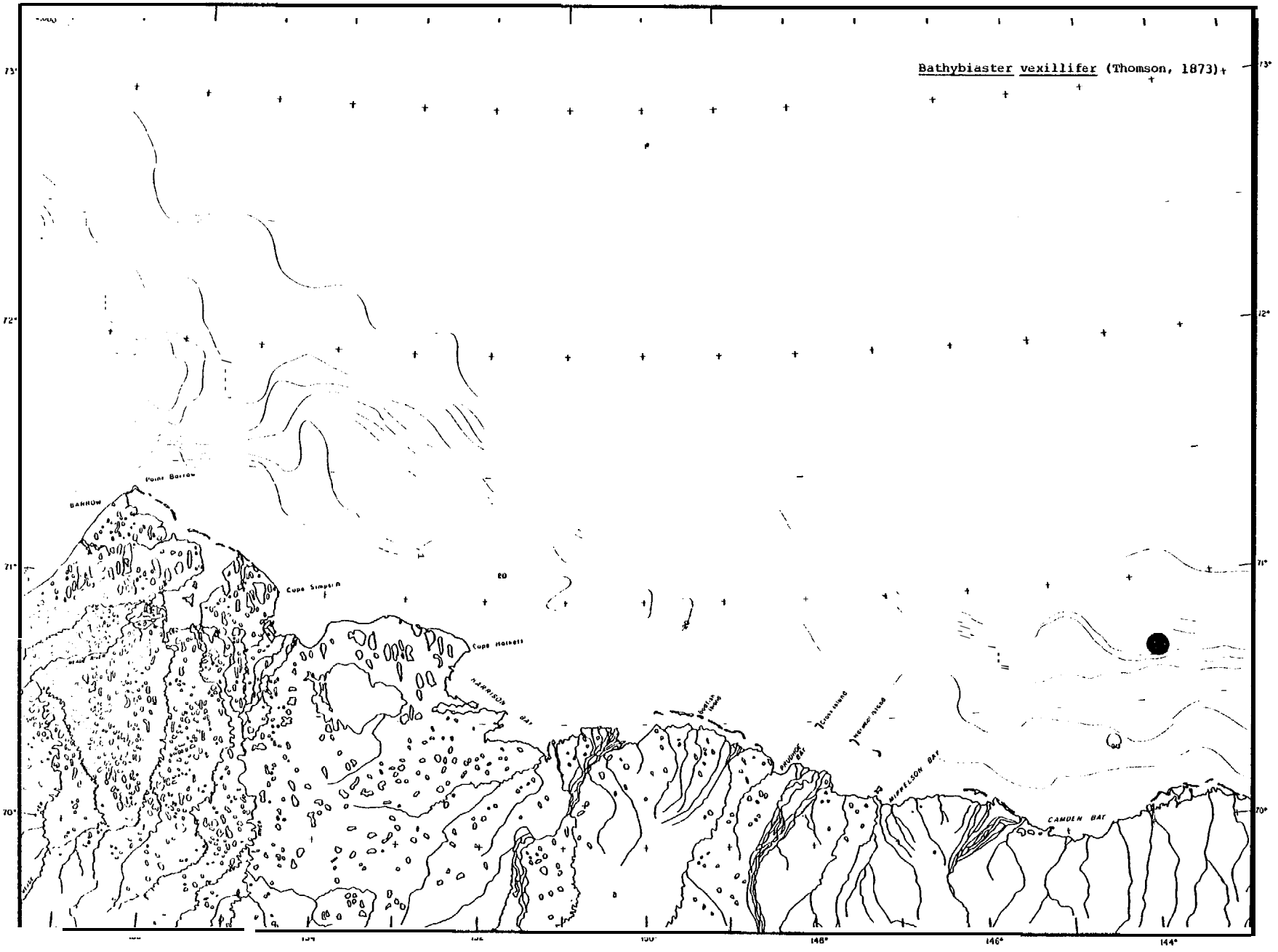
TABLE OF CONTENTS

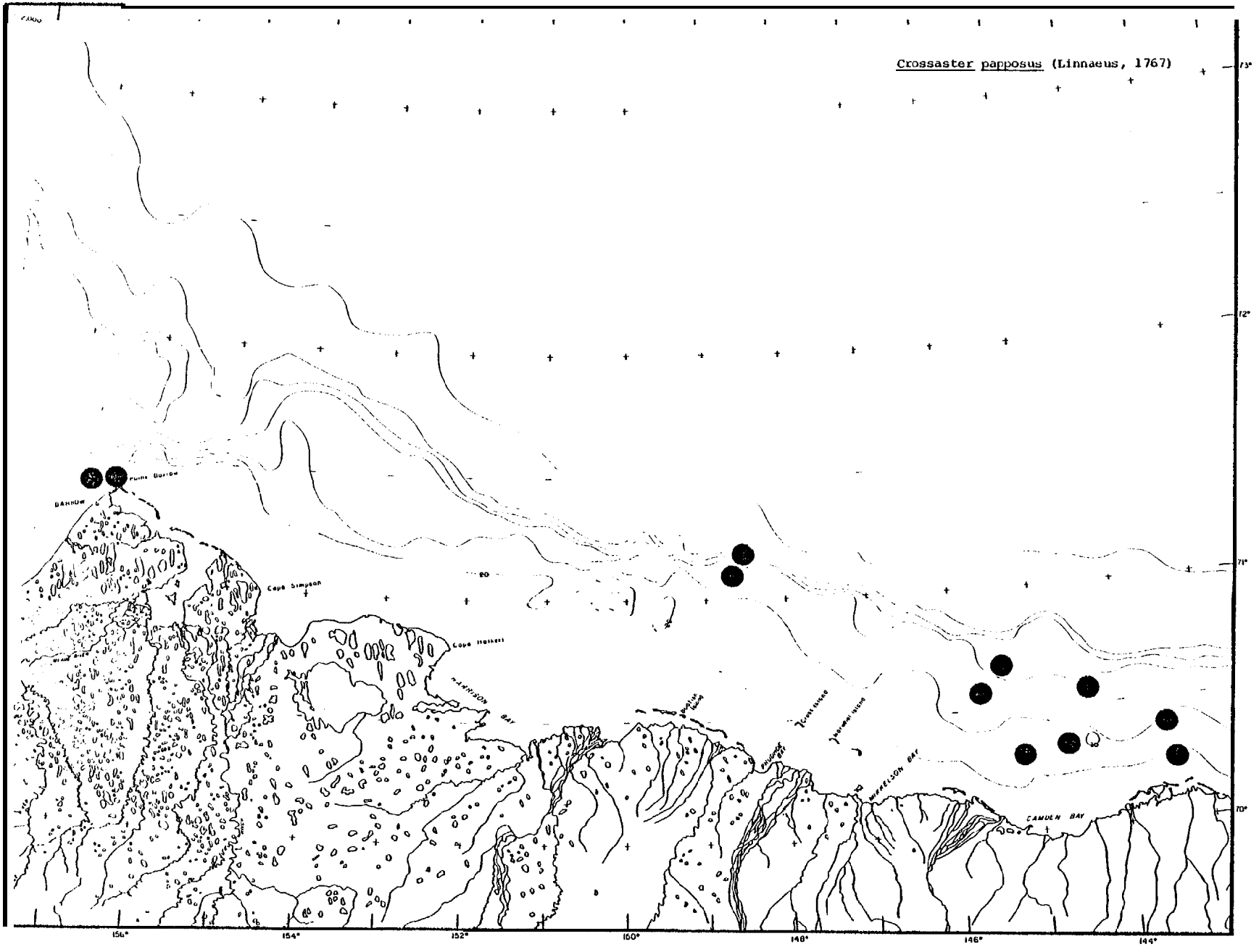
VOLUME III Part C.

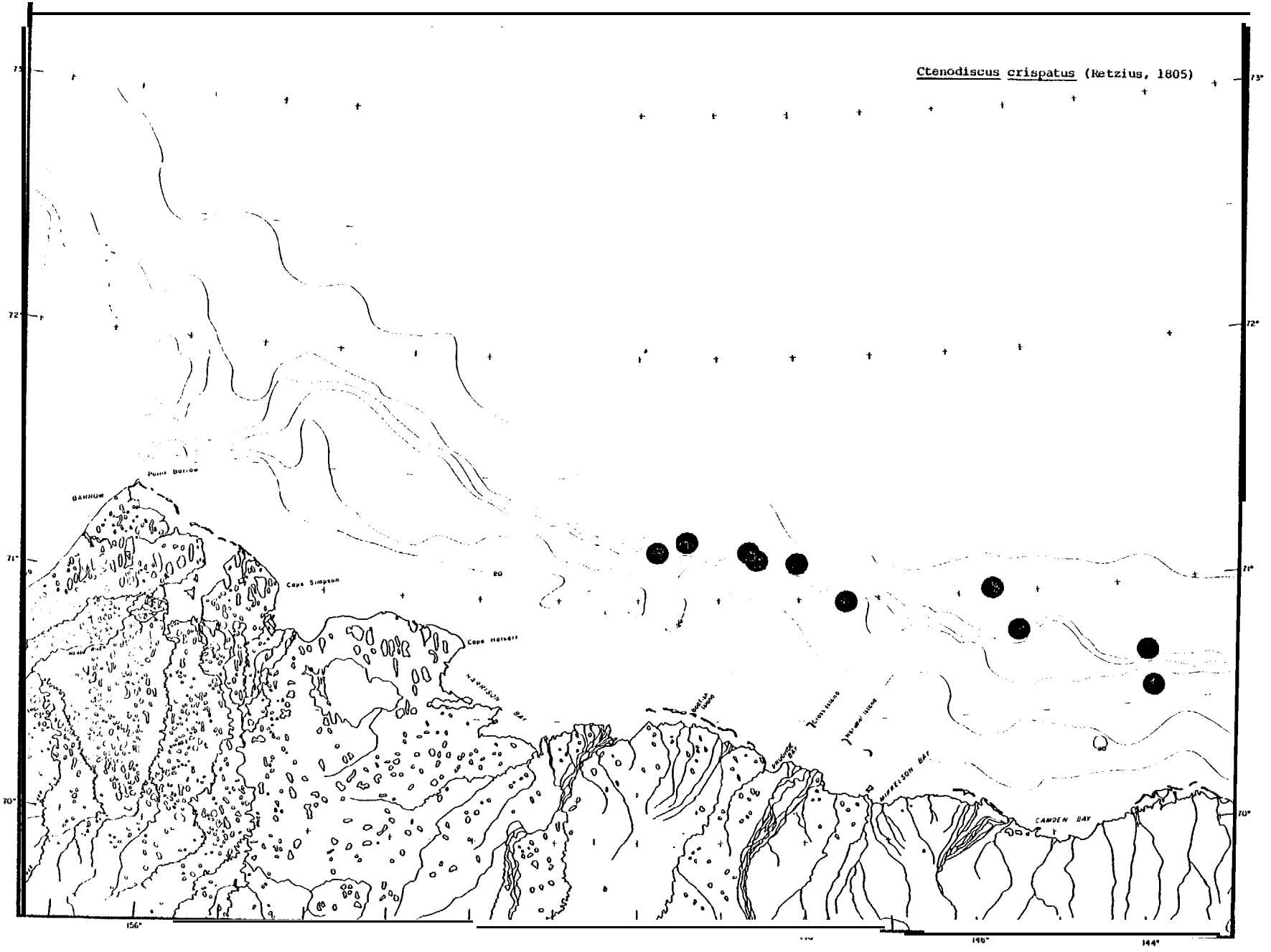
	Page
Species distribution charts	
Echinodermata:	
Asteroidea	283
Crinoidea	293
Echinoidea	295
Holothuroide a	297
Ophiuroidea	301
Mollusca:	
Gastropod (Opisthobranchia)	310
Gastropoda (Prosobranchia)	319
Pelecypoda	367

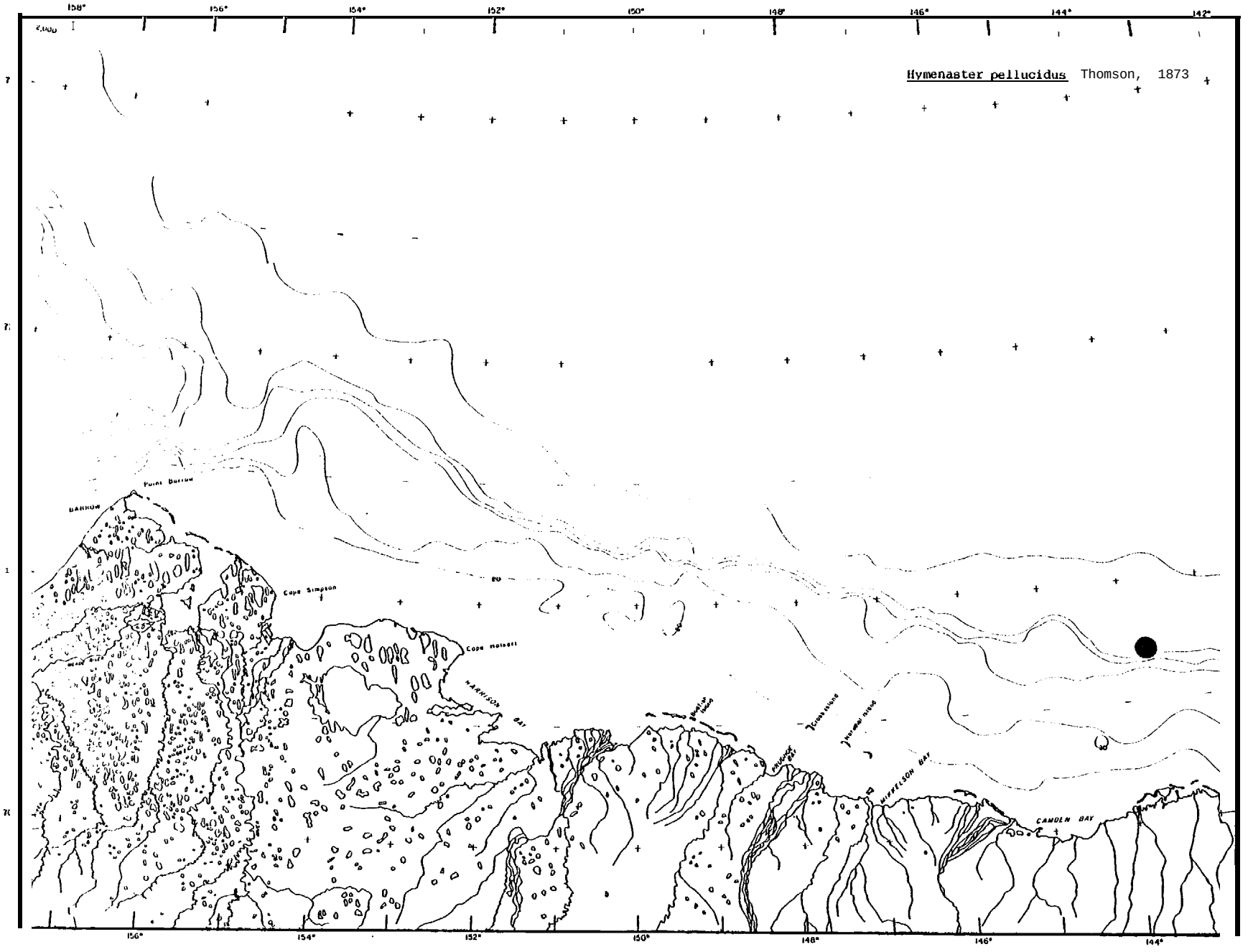
Species Distributions:

Echinodermata ‘ A.steroids

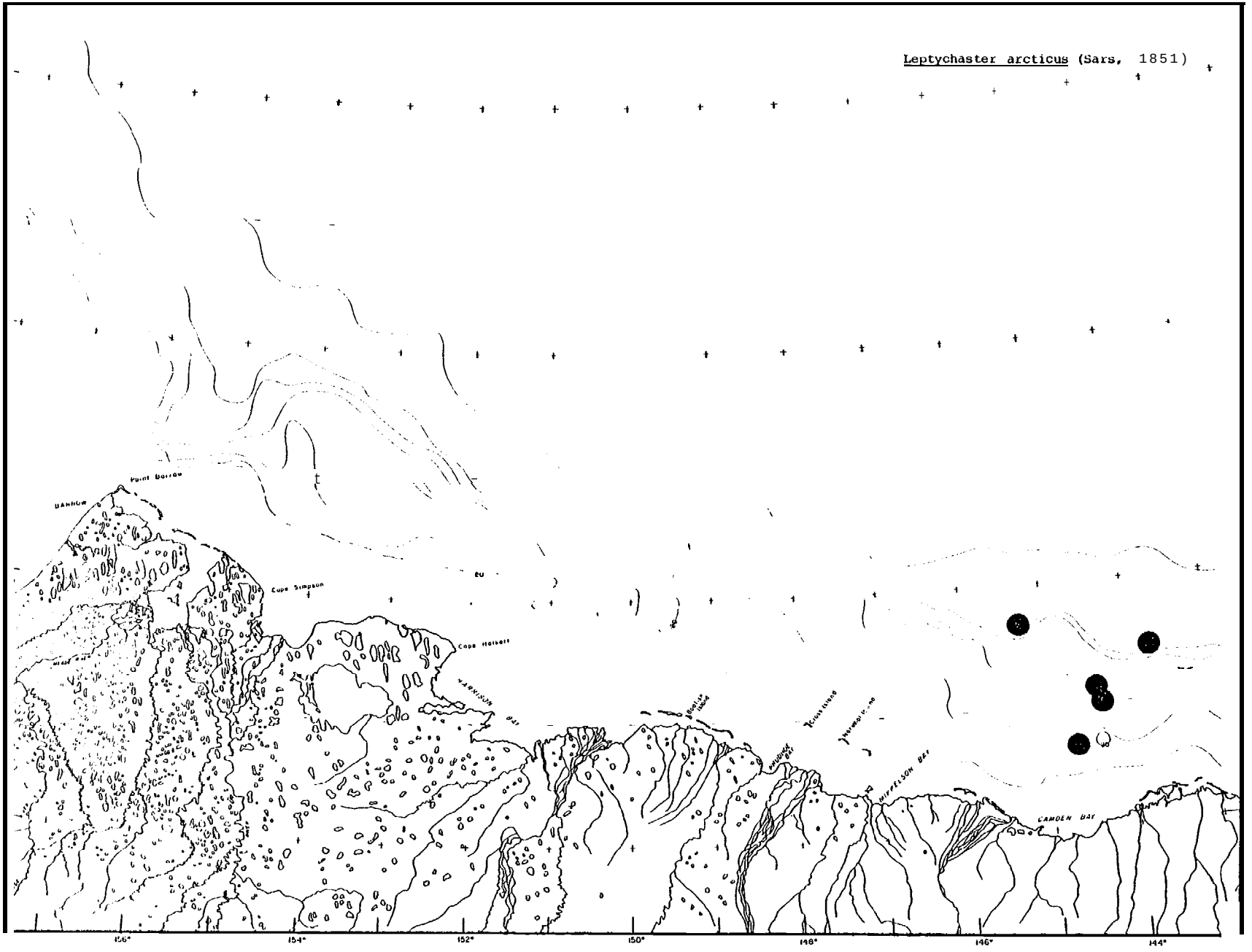

Bathybiaster vexillifer (Thomson, 1873)
73°
72°
71°
70°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY

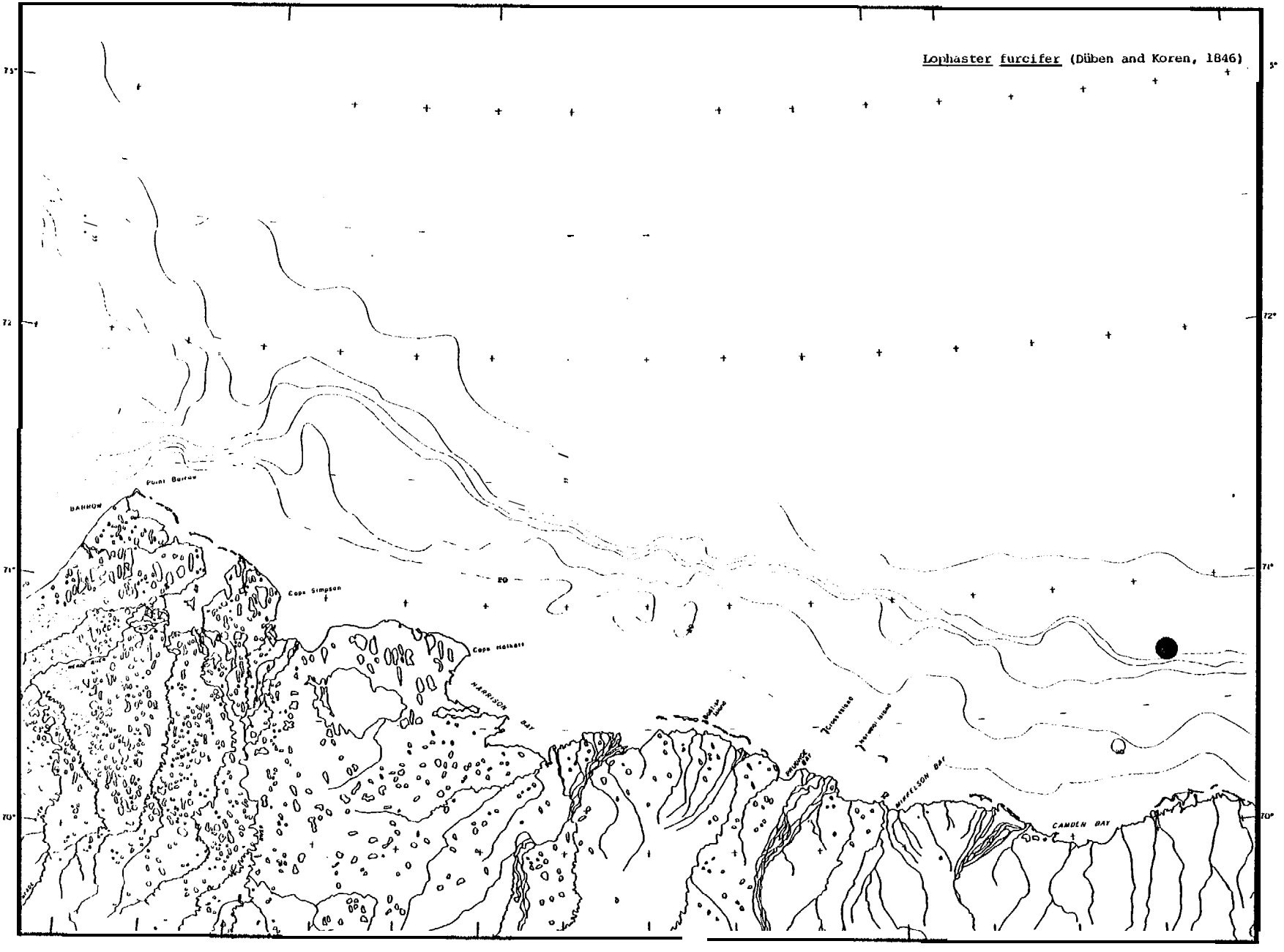

Crossaster papposus (Linnaeus, 1767)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

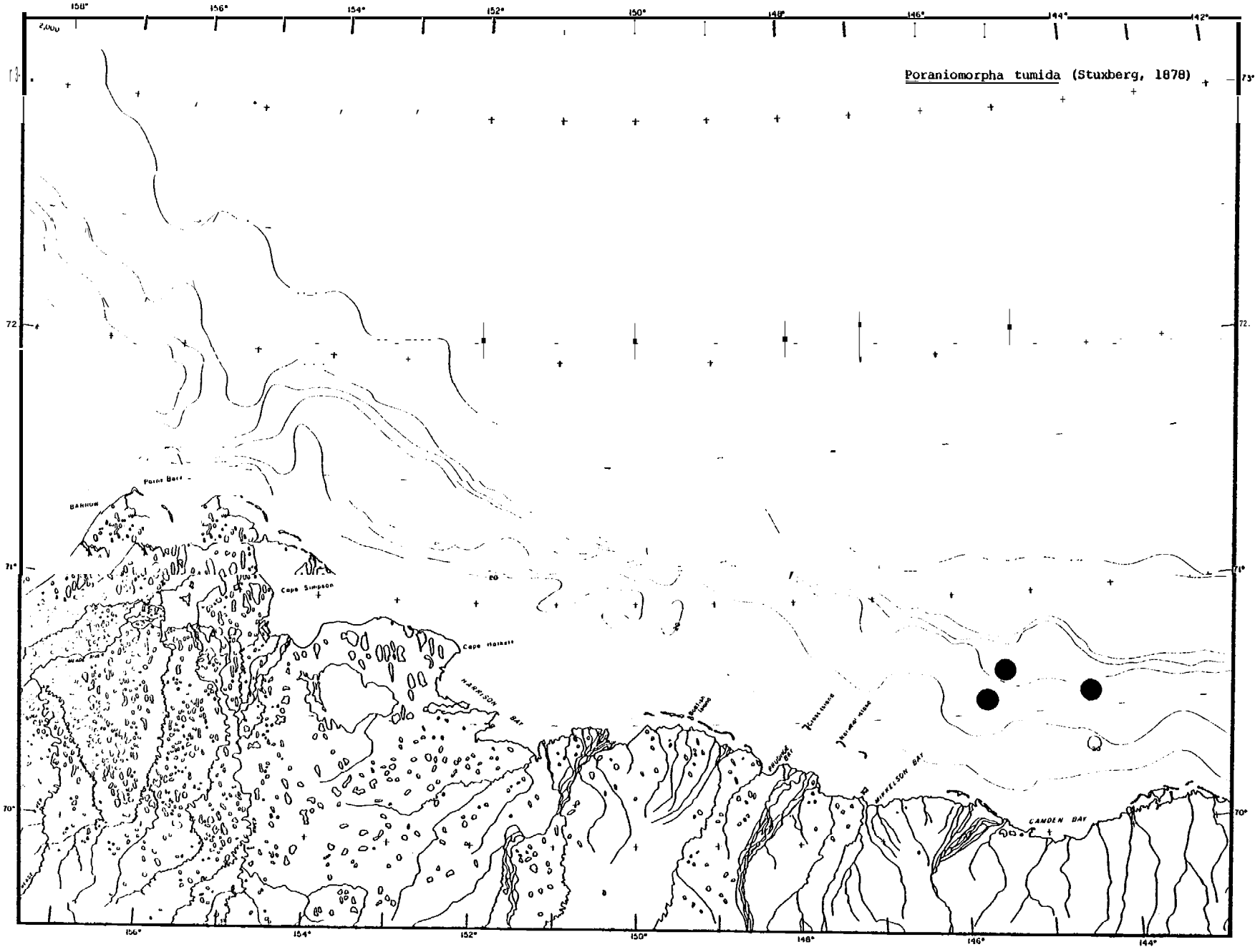

Ctenodiscus crispatus (Retzius, 1805)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MICHELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
148°
144°

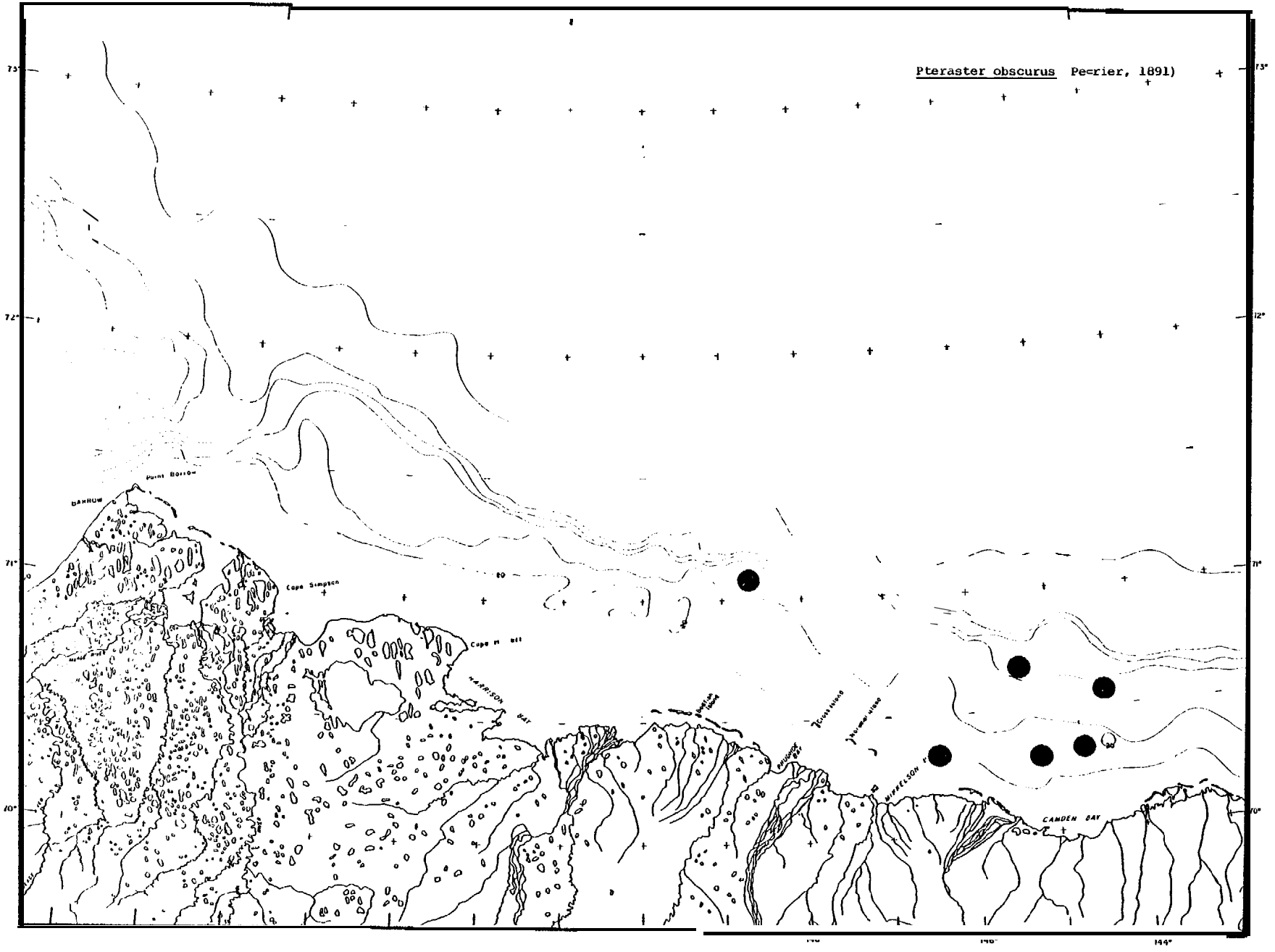


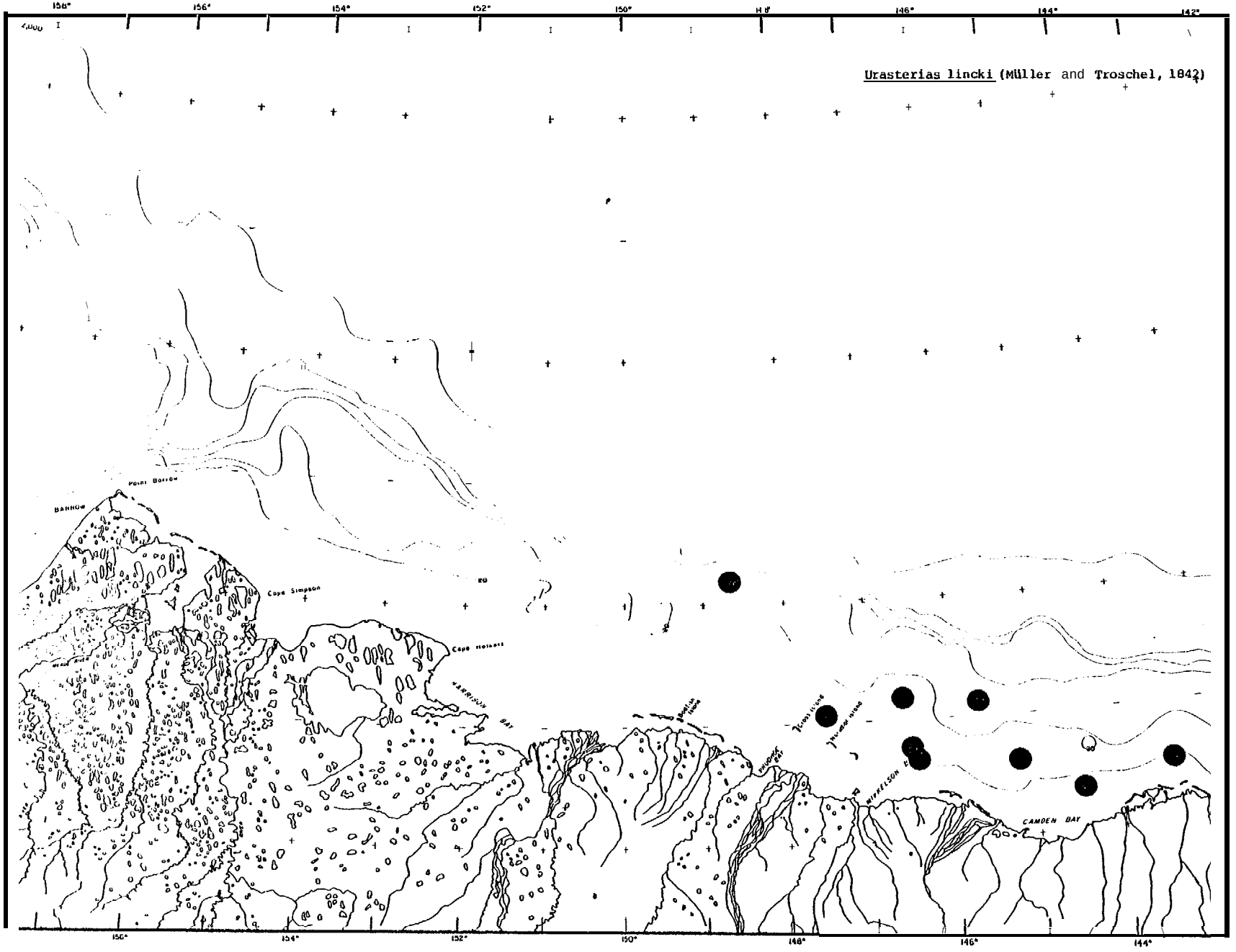
Hymenaster pellucidus Thomson, 1873


Leptychaster arcticus (Sars, 1851)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIFFELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°


Lophaster furcifer (Düben and Koren, 1846)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72
71°
70°
72°
71°
70°

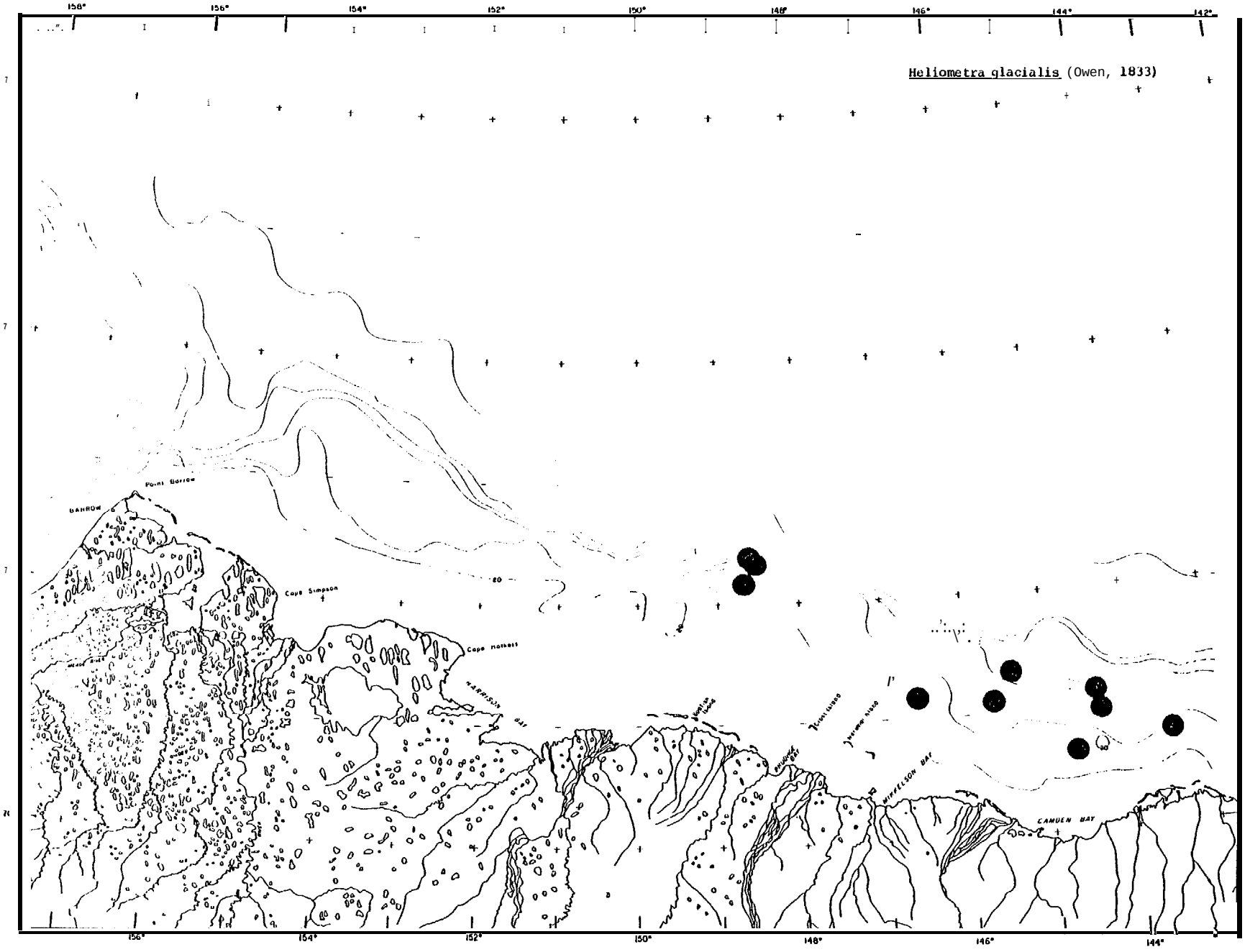

Poraniomorpha tumida (Stuxberg, 1878)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72
71°
70°
2,000
Point Barr
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY


Pteraster obscurus Perrier, 1891)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
HARRISON BAY
MIKKELSON
CAMDEN BAY
144°


Urasterias lincki (Müller and Troschel, 1842)
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY

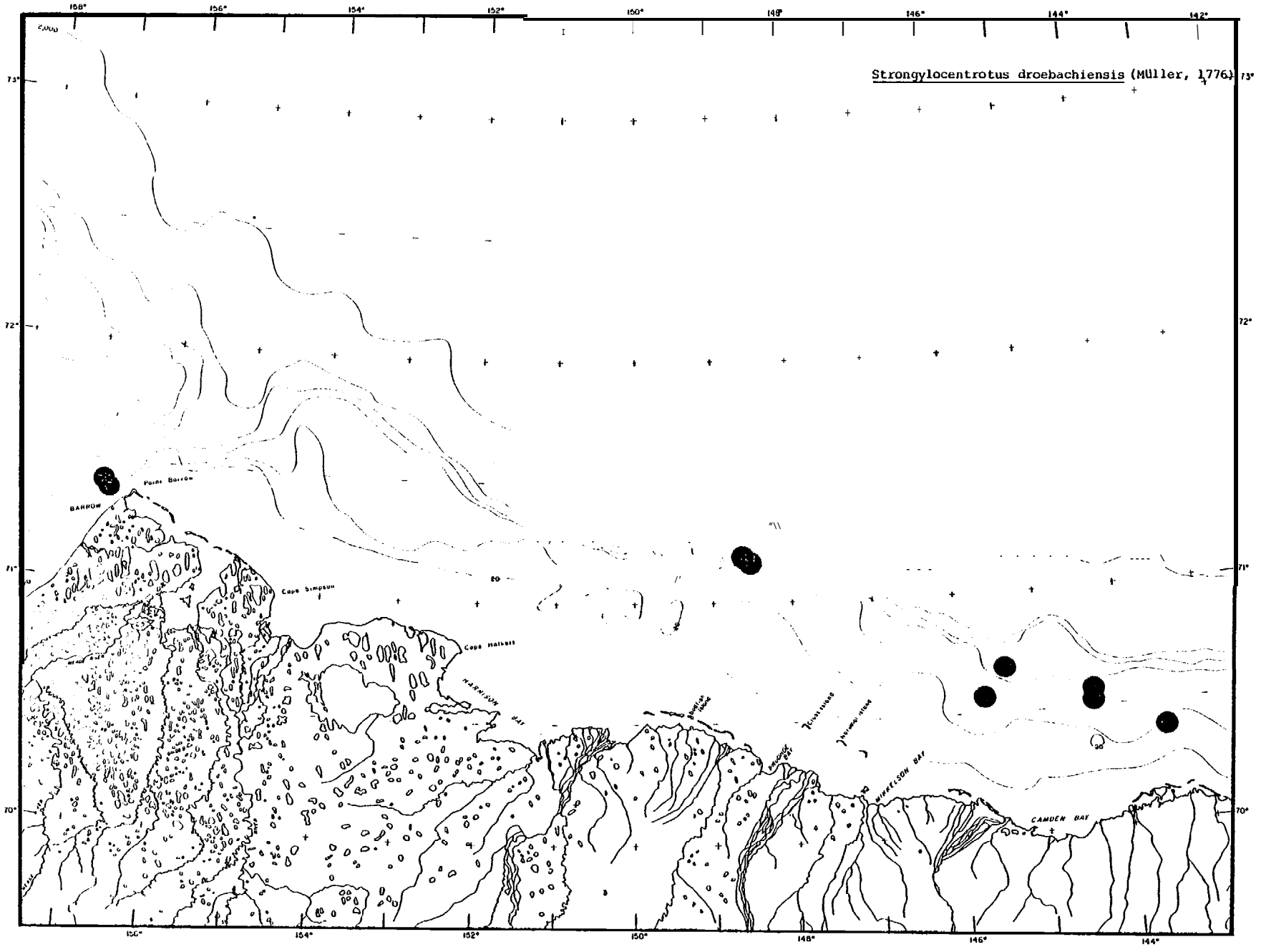
Species Distributions:

Echinodermata -- Crinoidea


Heliometra glacialis (Owen, 1833)
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WIPPELSON BAY
CAMDEN BAY

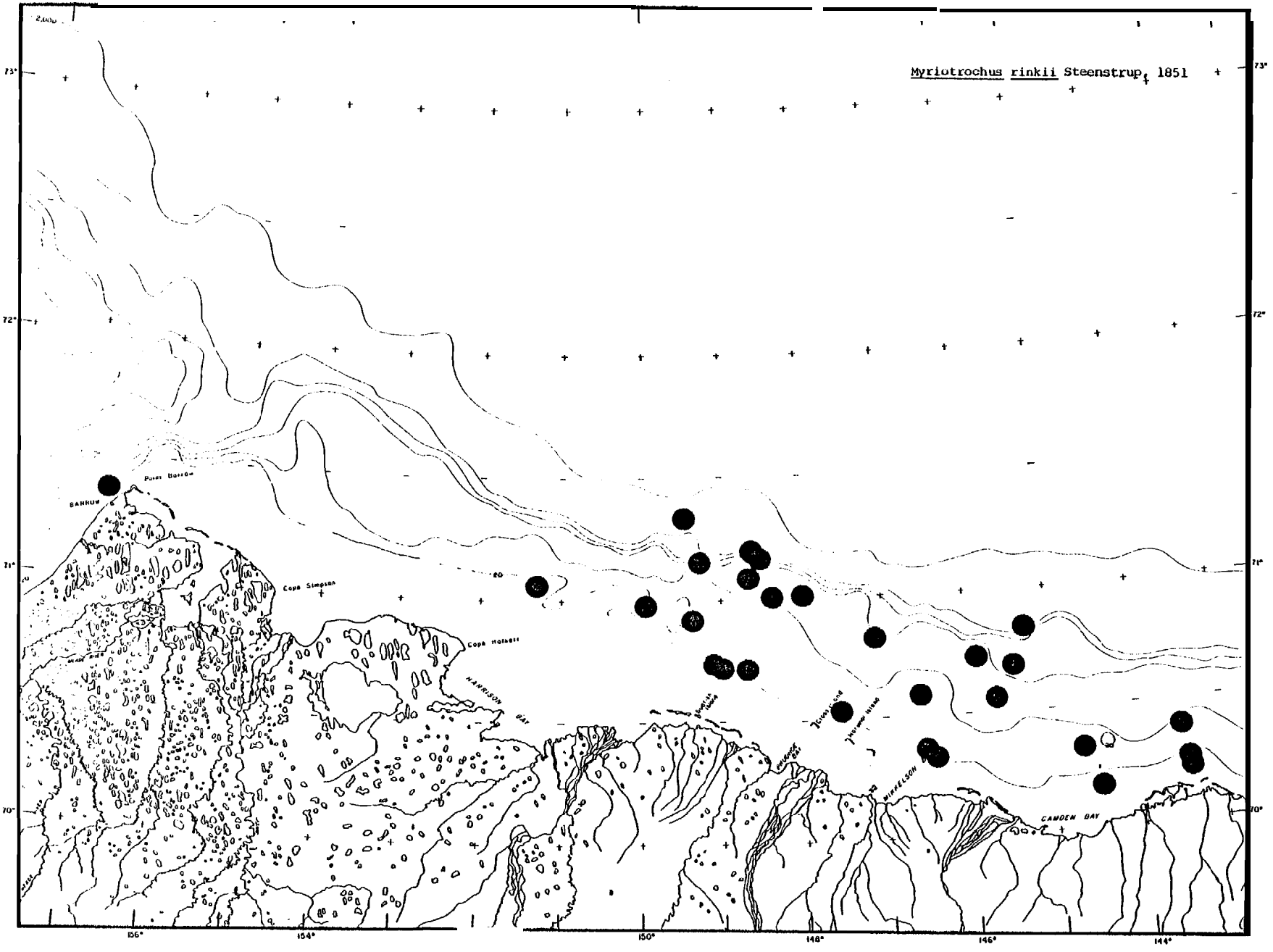
Species Distributions:

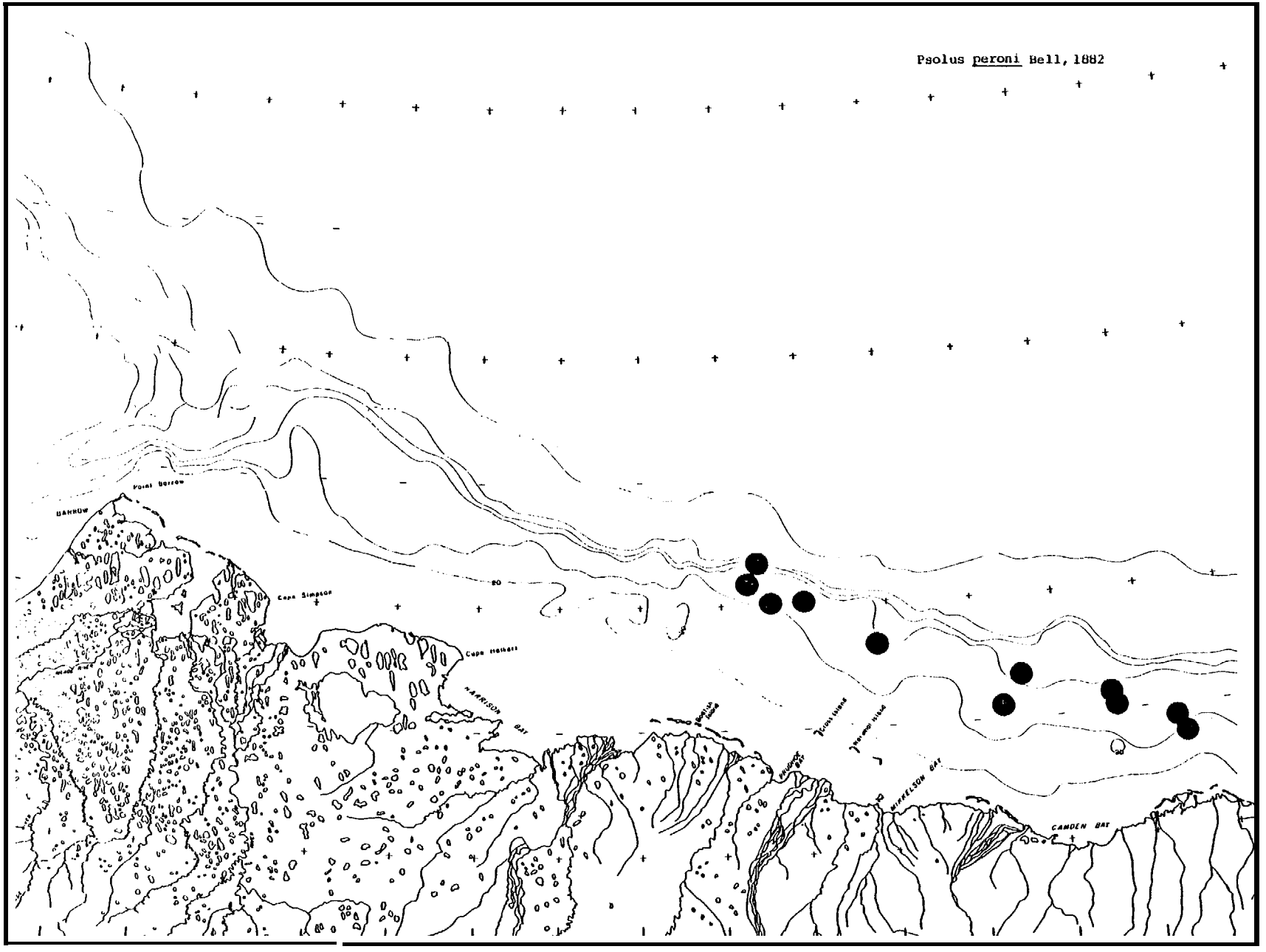
Echinodermata -- Echinoidea

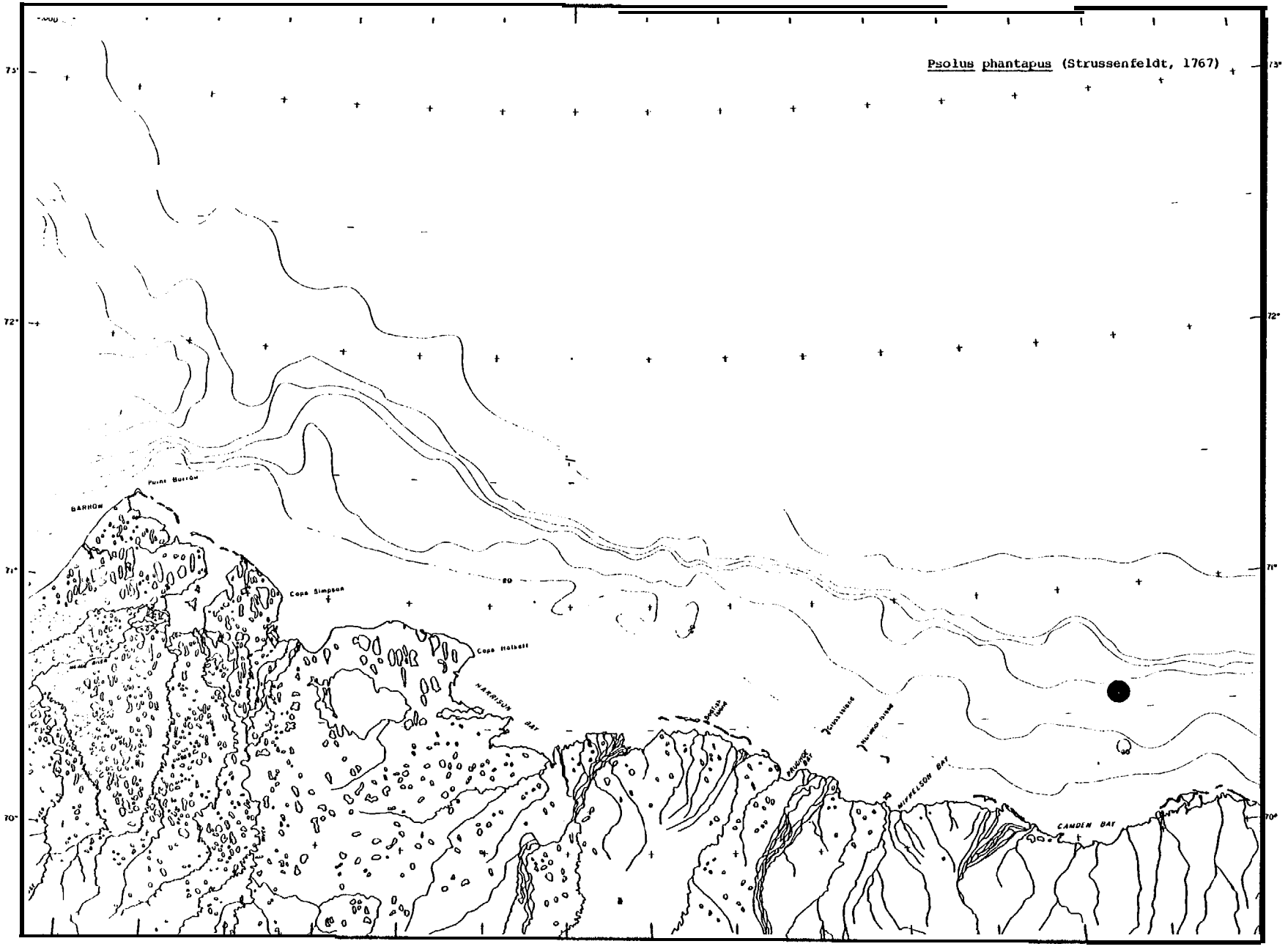

Strongylocentrotus droebachiensis (Müller, 1776)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

Species Distributions:

Echinodermata -- Holothuroidea

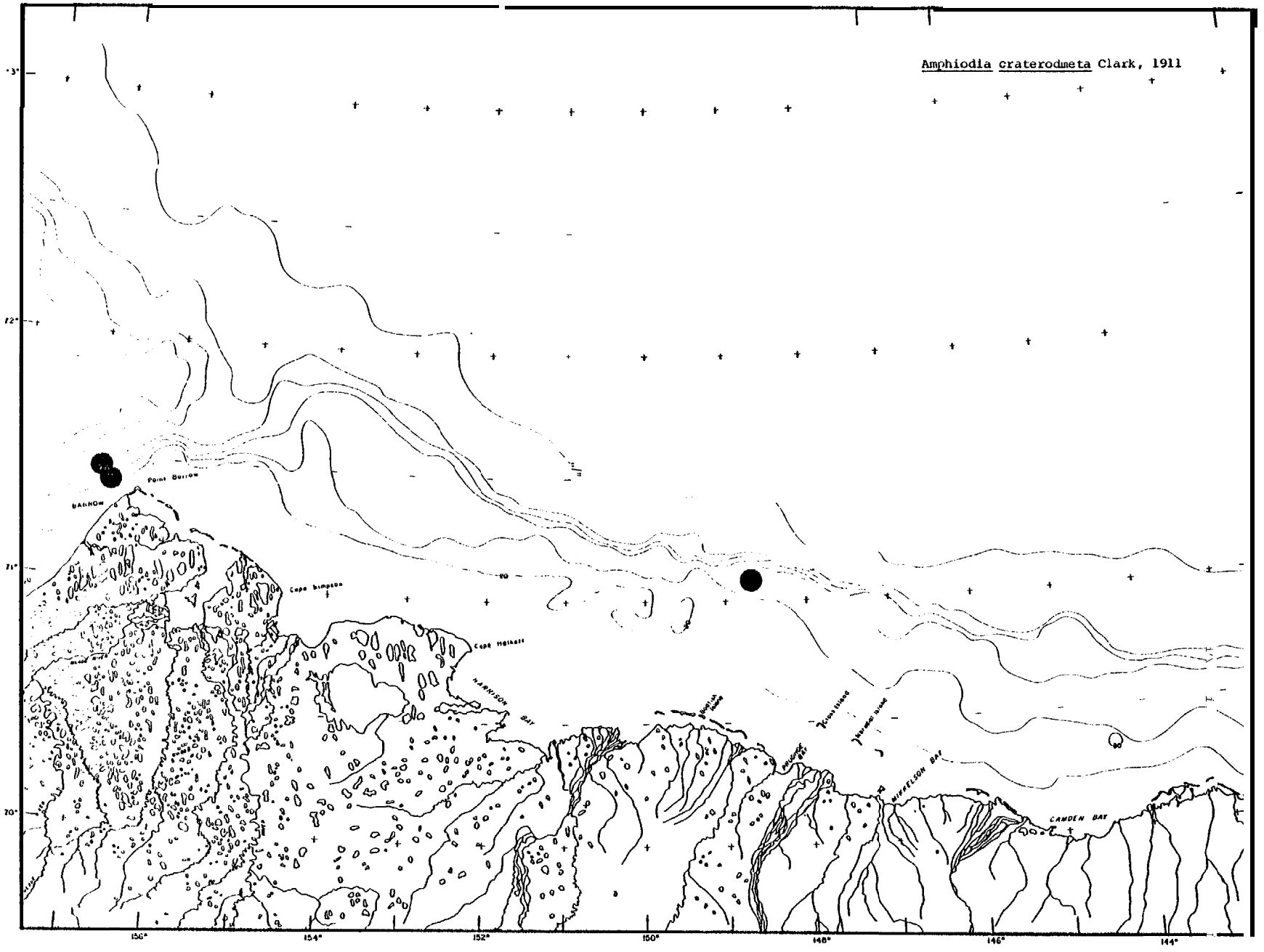

Myriotrochus rinkii Steenstrup, 1851
73°
72°
71°
70°
156°
154°
150°
148°
146°
144°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY

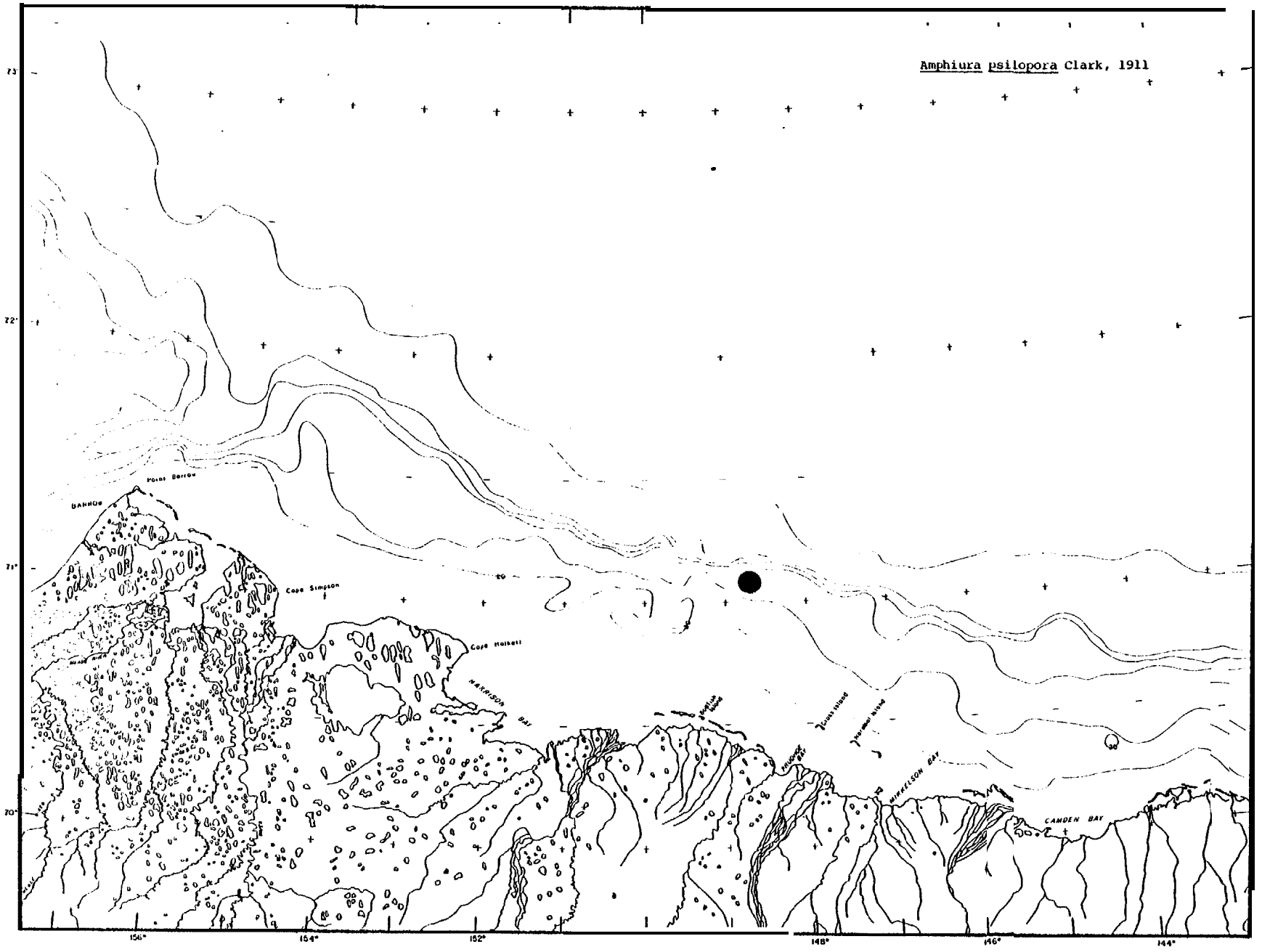

Psolus peroni Bell, 1882
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Cross Island
Narwhal Island
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY

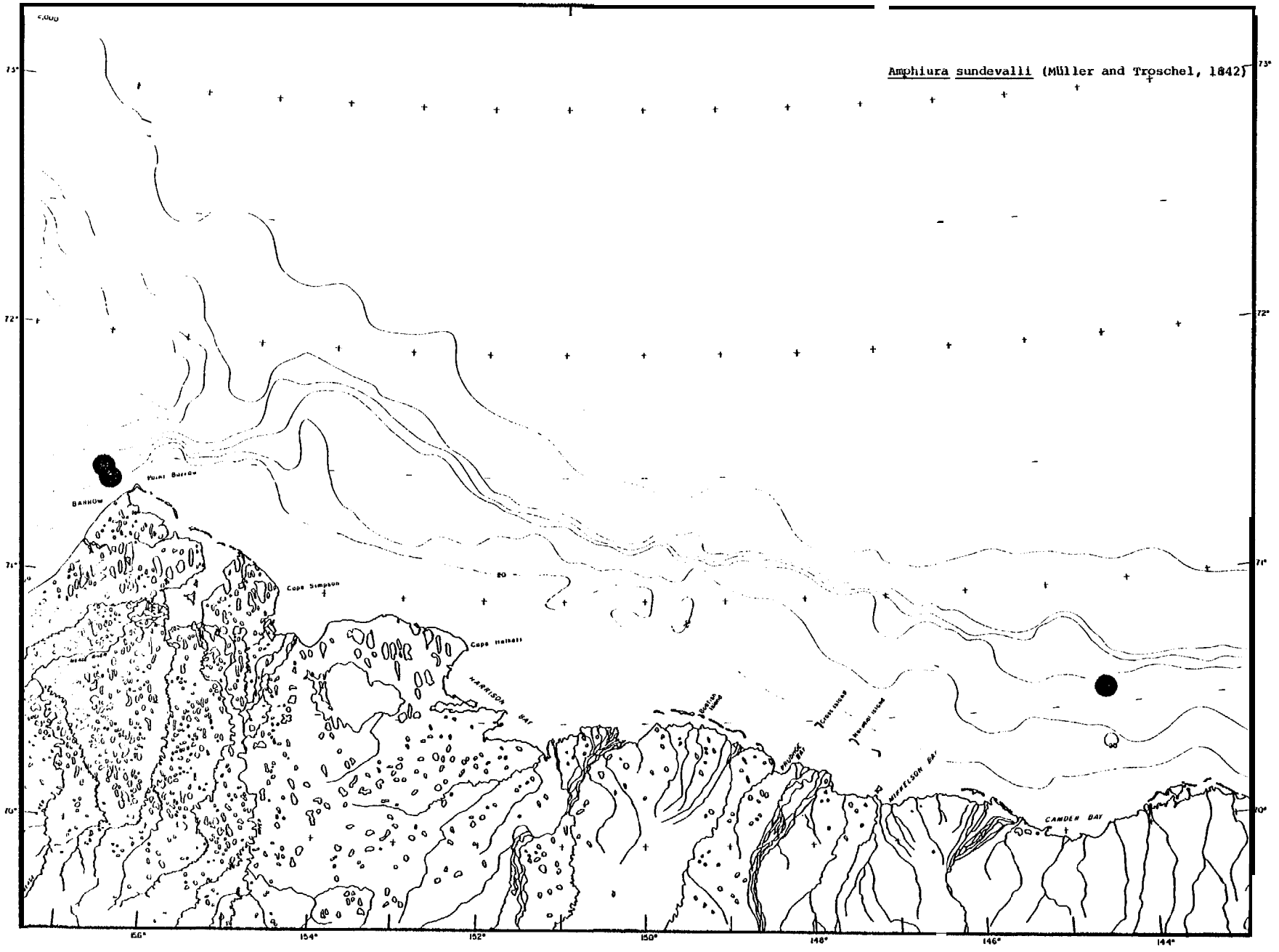

Psolus phantapus (Strussenfeldt, 1767)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

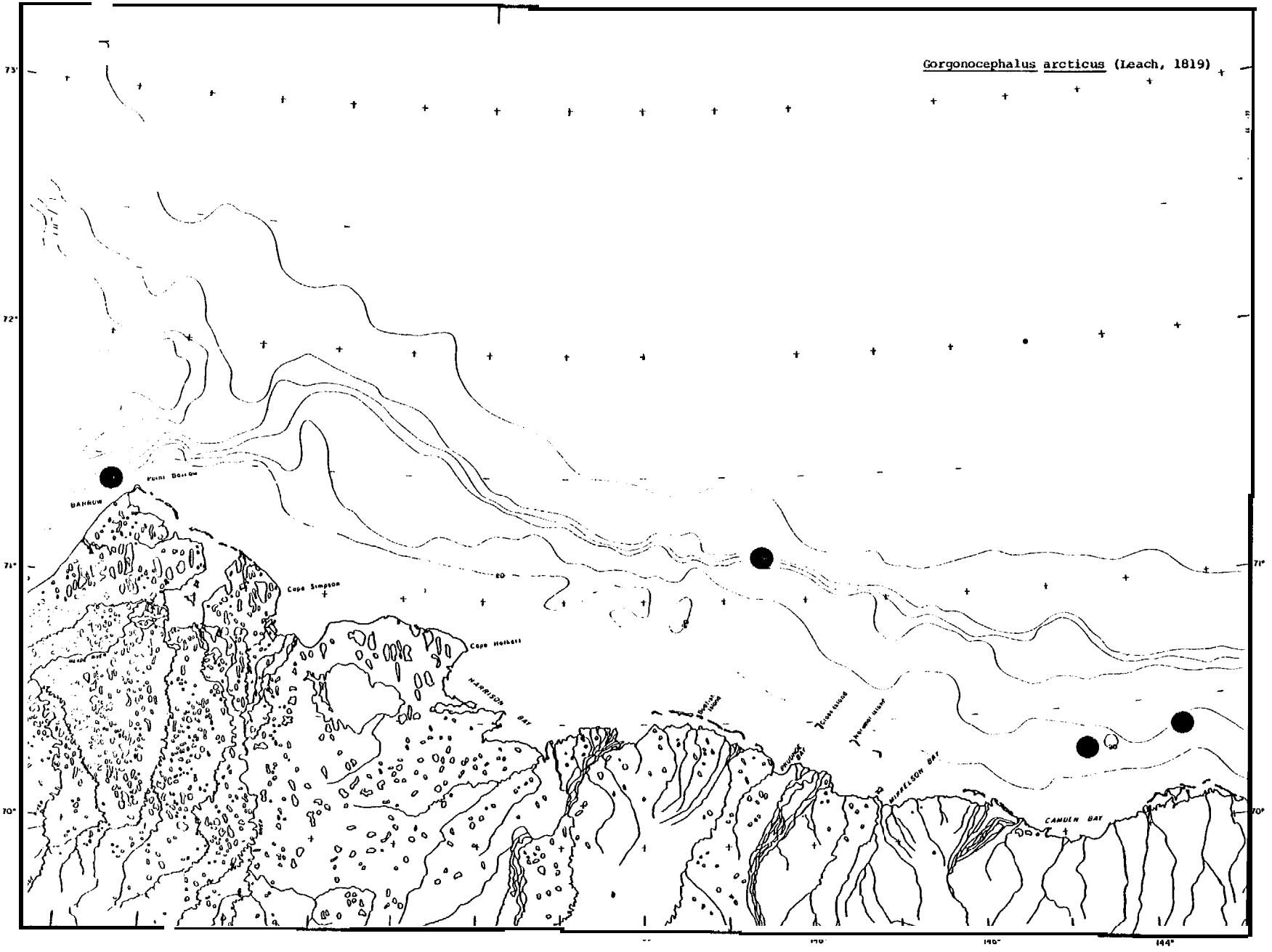
Species Distributions:

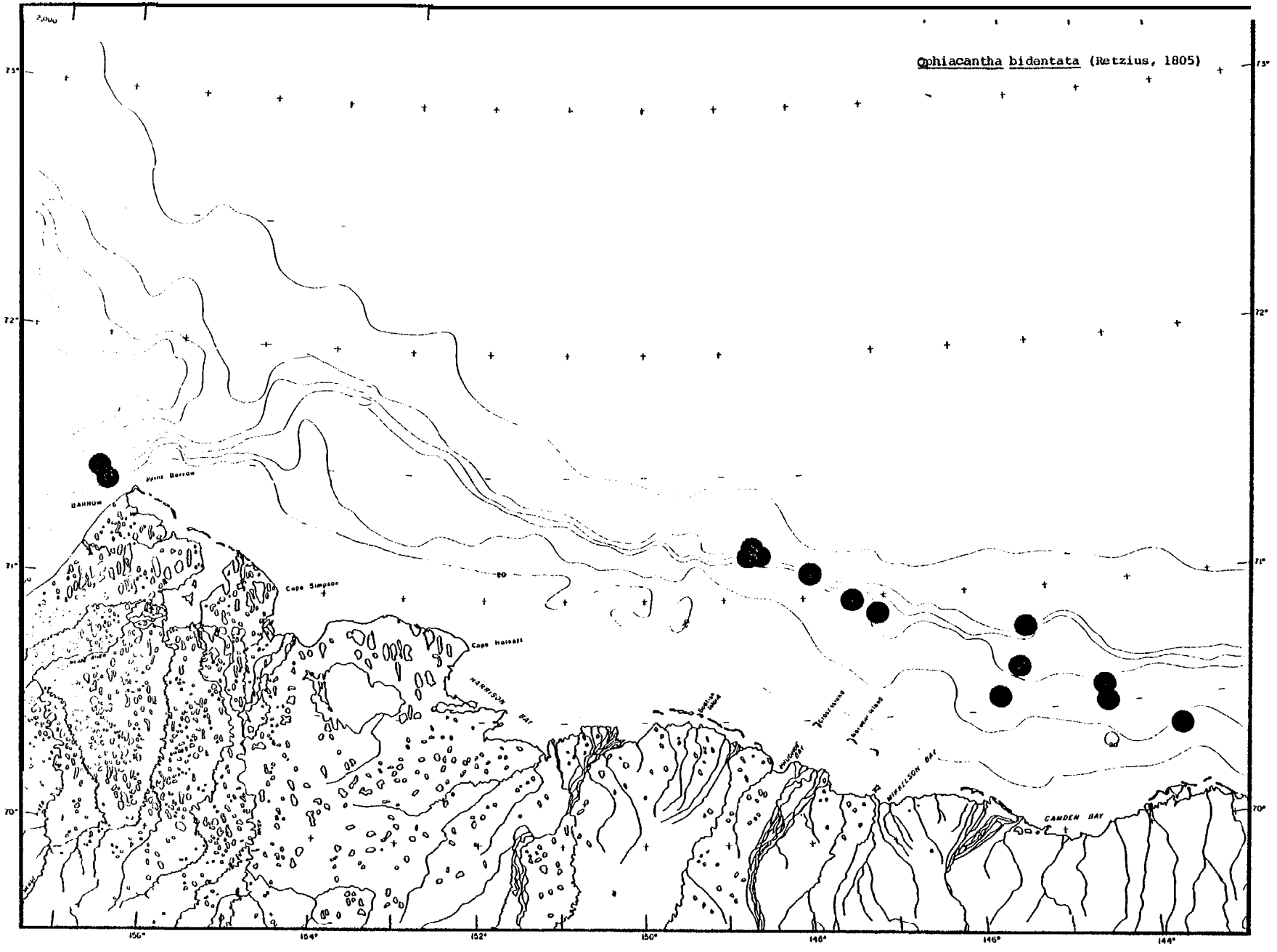
Echinodermata -- Ophiuroidea

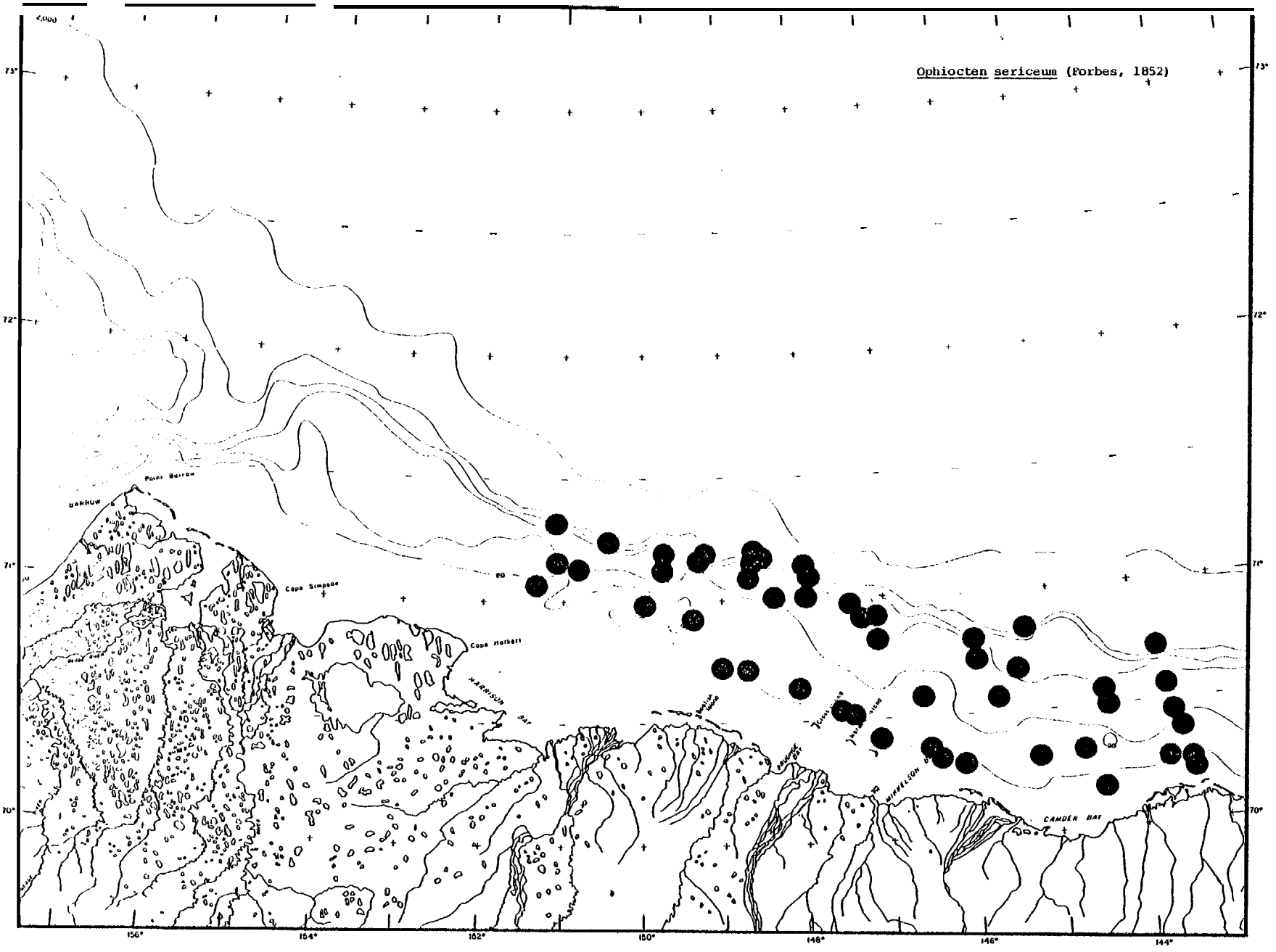

Amphiodia craterodmeta Clark, 1911
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

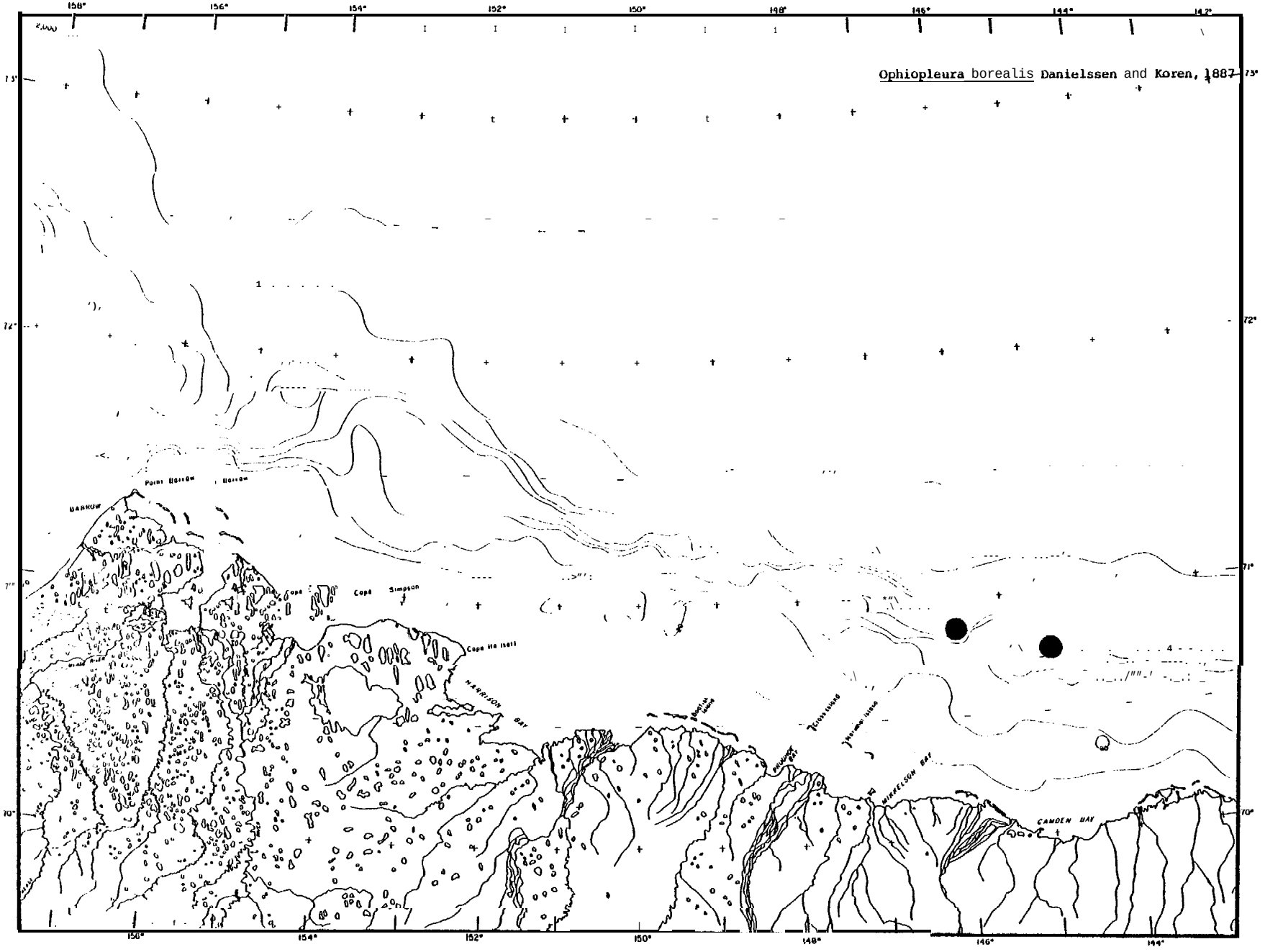

Amphiura psilopora Clark, 1911
73°
72°
71°
70°
156°
154°
152°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Goodfish Island
Cross Island
Harrison Island
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY

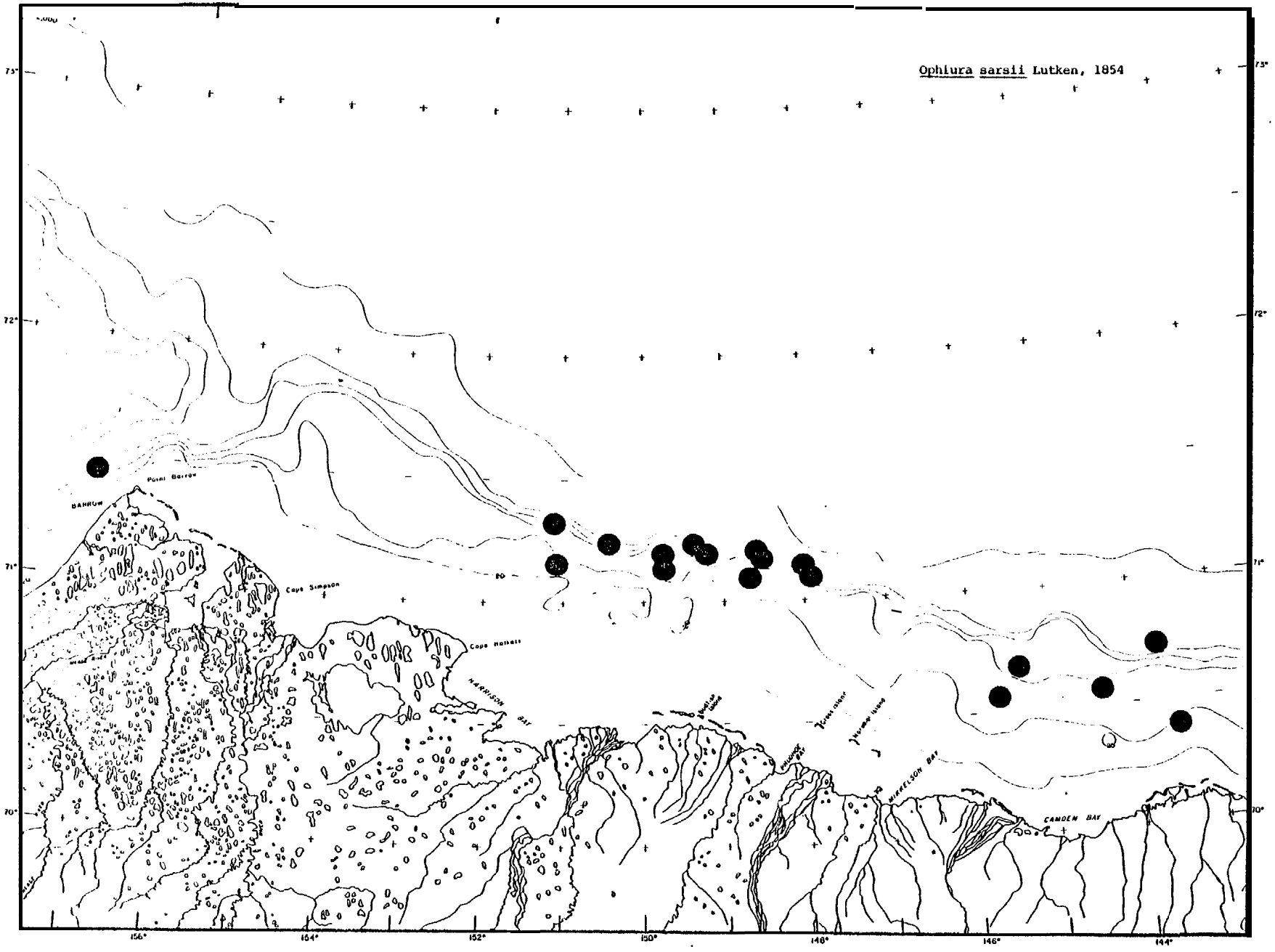

Amphiura sundevalli (Müller and Troschel, 1842)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Boulton Island
Cross Island
Narwhal Island
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY


Gorgonocephalus arcticus (Leach, 1819)
73°
72°
71°
70°
71°
70°
144°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKELSON BAY
CAMDEN BAY


Ophiacantha bidentata (Retzius, 1805)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WIPPELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

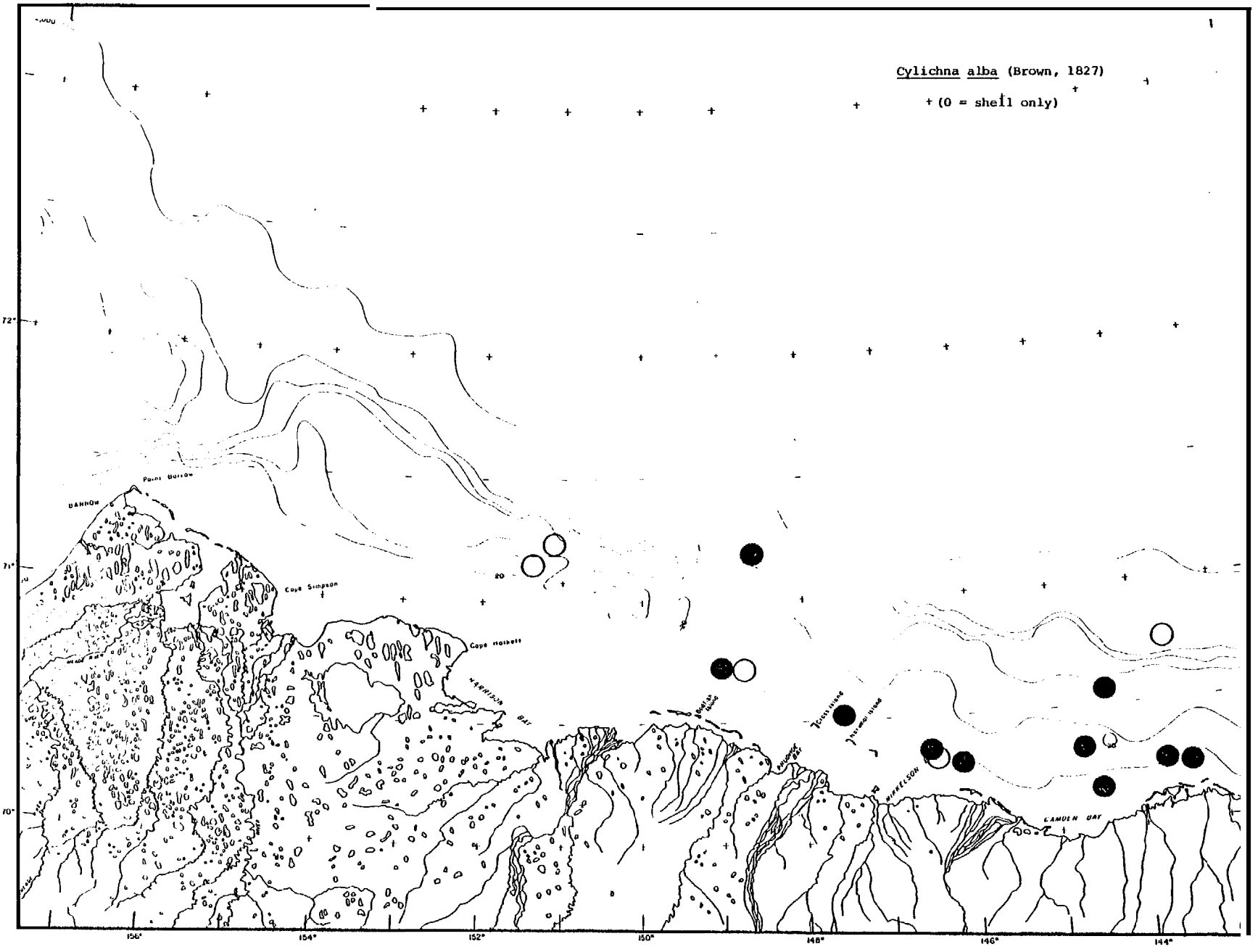

Ophiocten sericeum (Forbes, 1852)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY

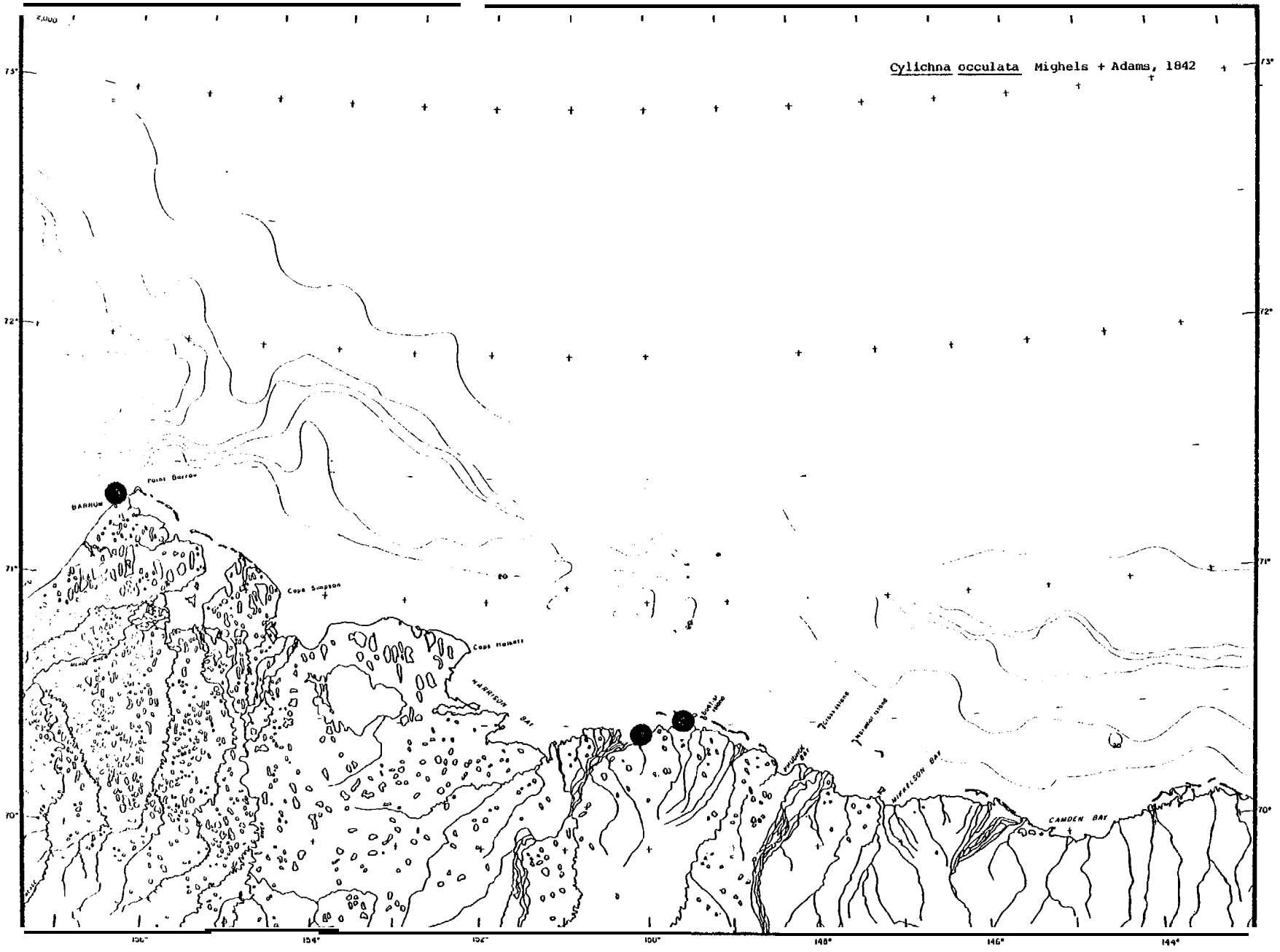

Ophiopleura borealis Danielssen and Koren, 1887
Point Barrow
Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
73°
72°
71°
70°

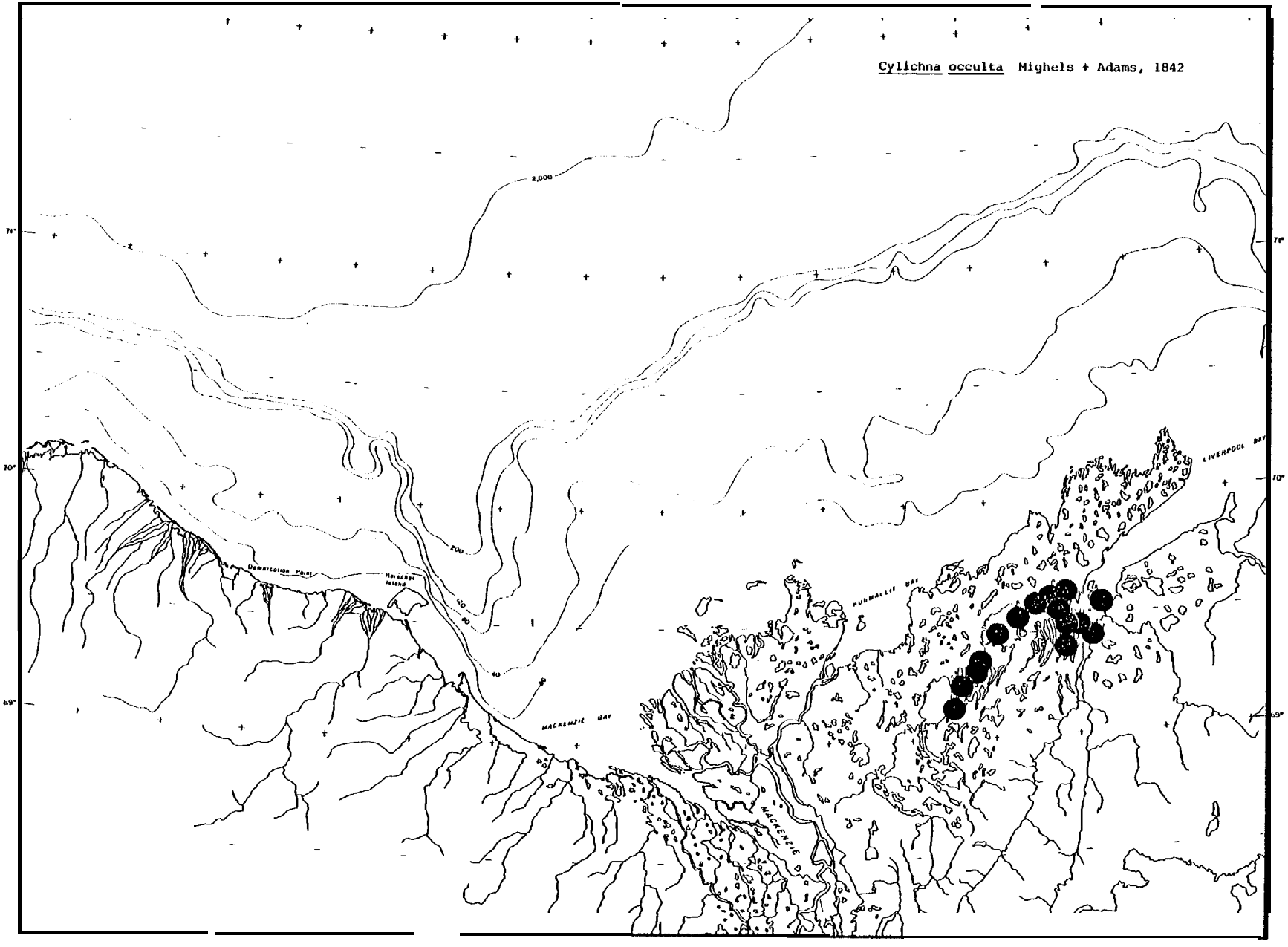

Ophiura sarsii Lutken, 1854
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

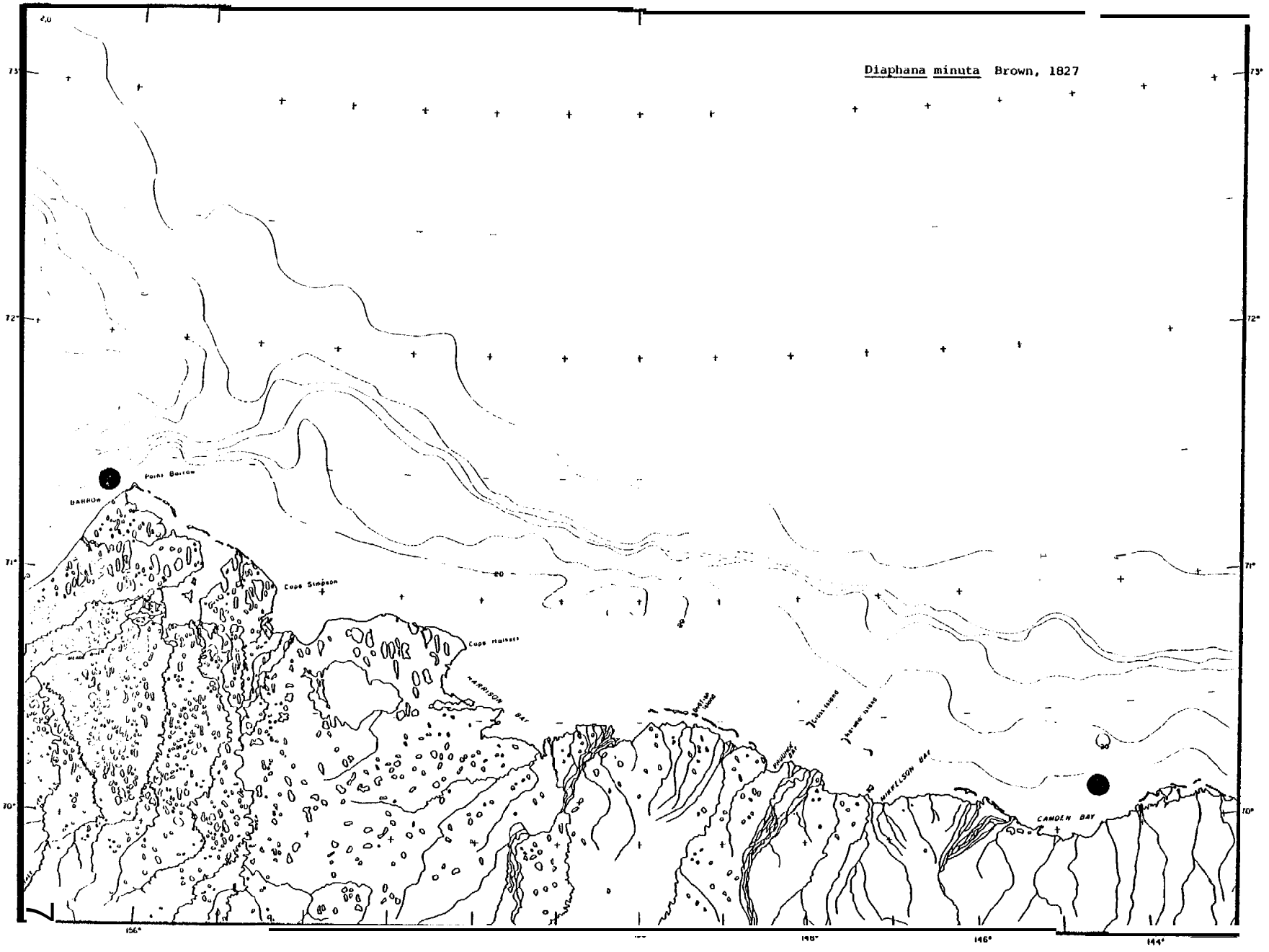
Species Distributions:

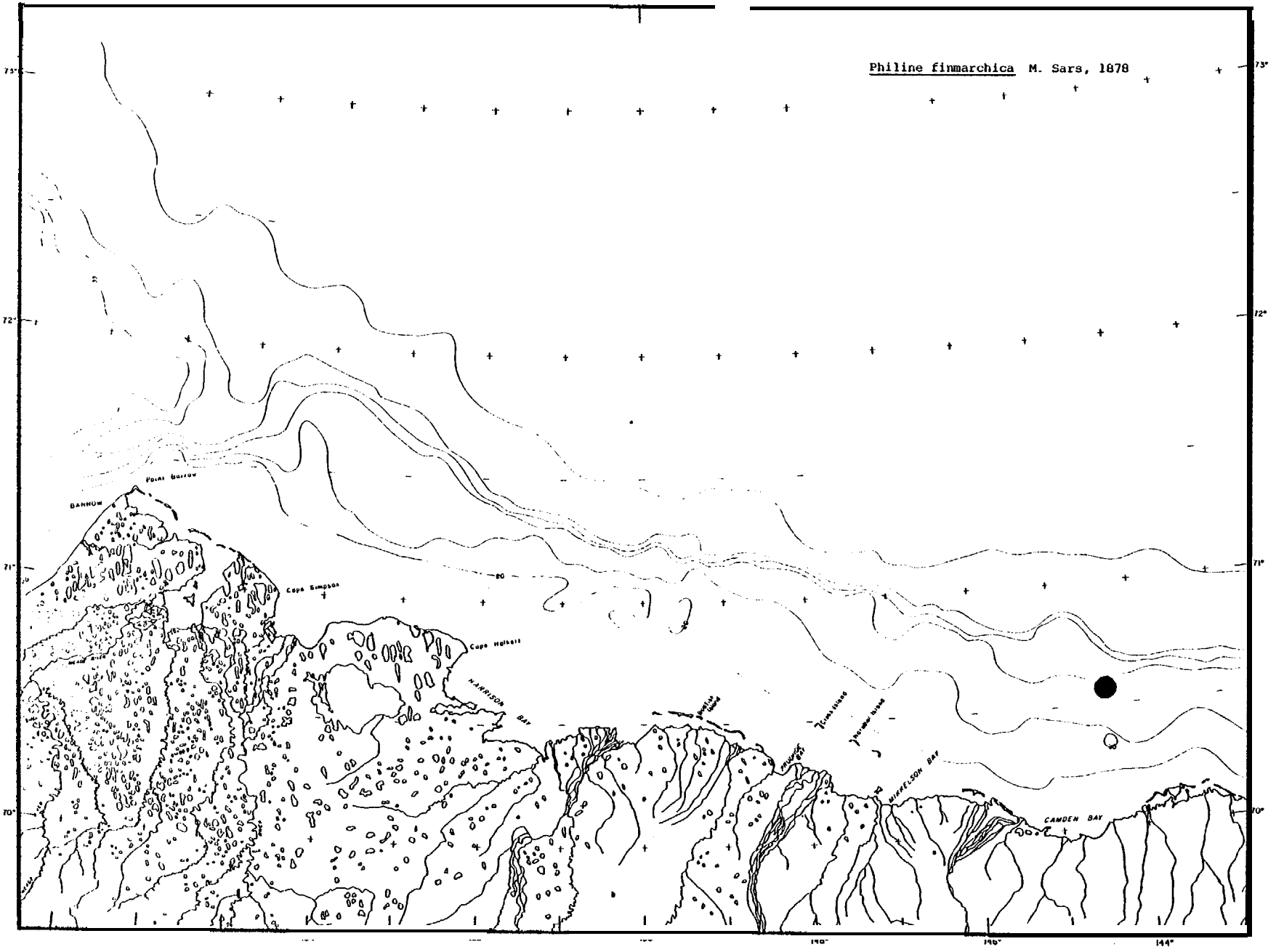
Mollusca -- Gastropoda (Opis thobranchia)

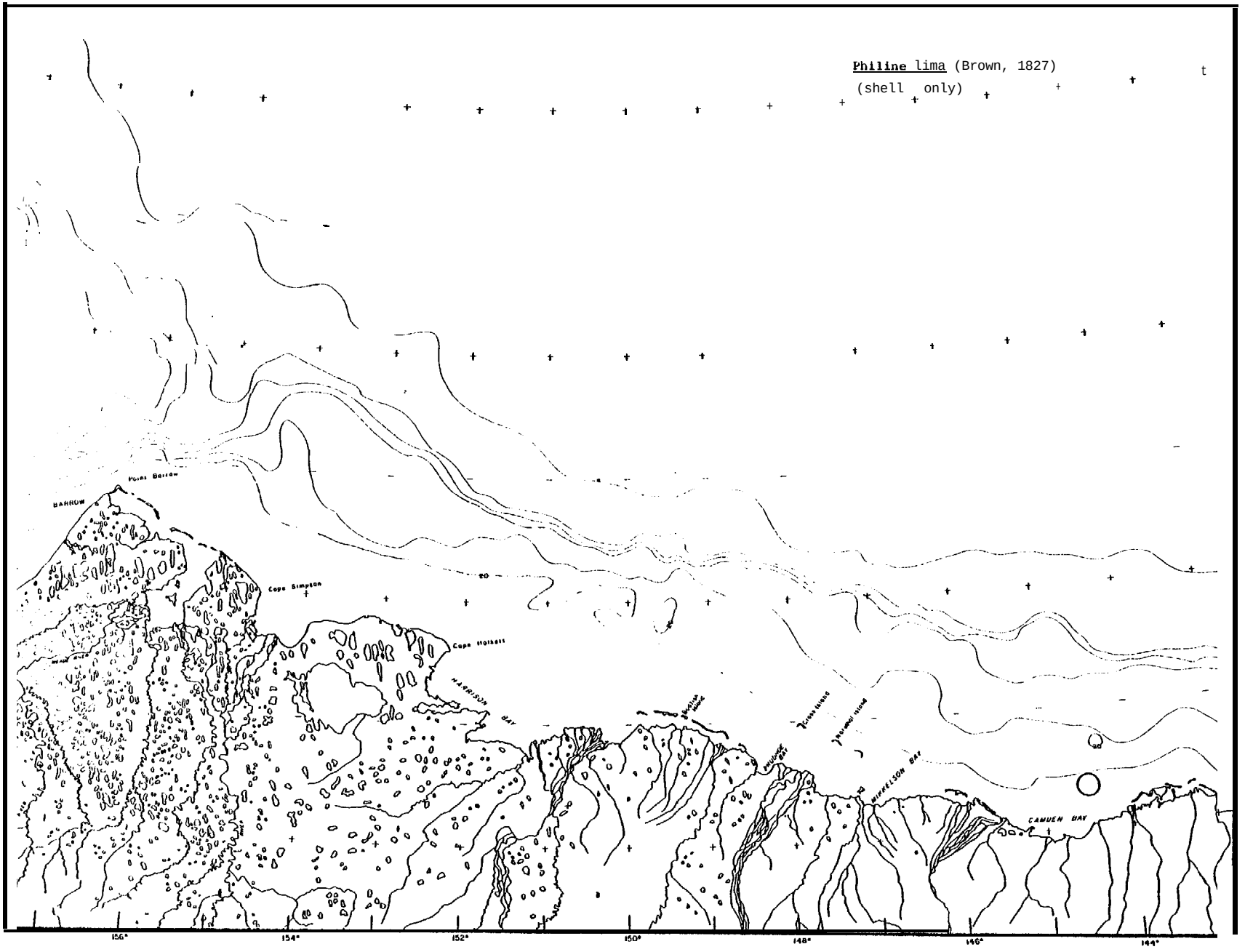

Cylichna alba (Brown, 1827)
+ (0 = shell only)
Point Barrow
BANNOW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
LAMDEN BAY
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

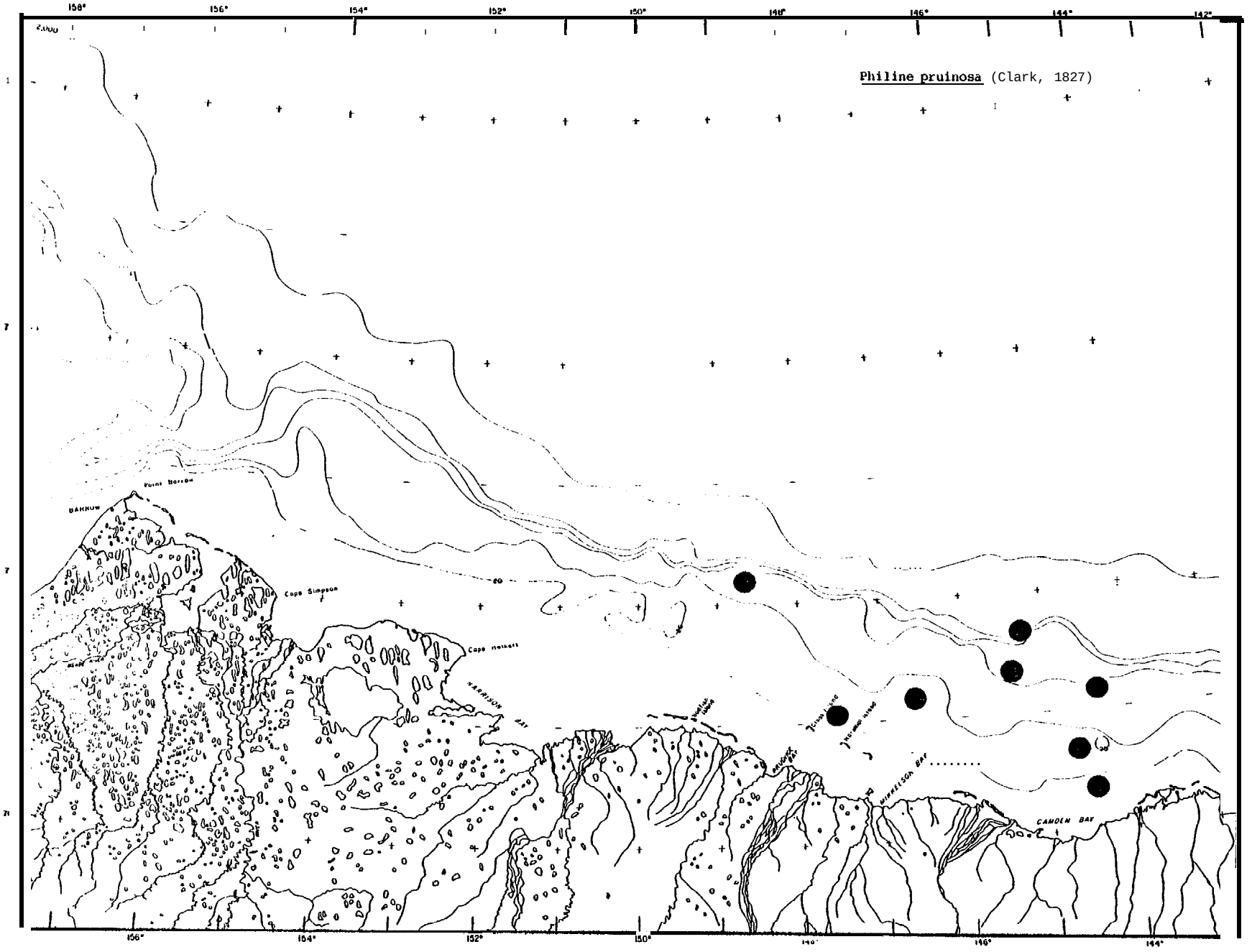

Cylichna occulata Mighels + Adams, 1842
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

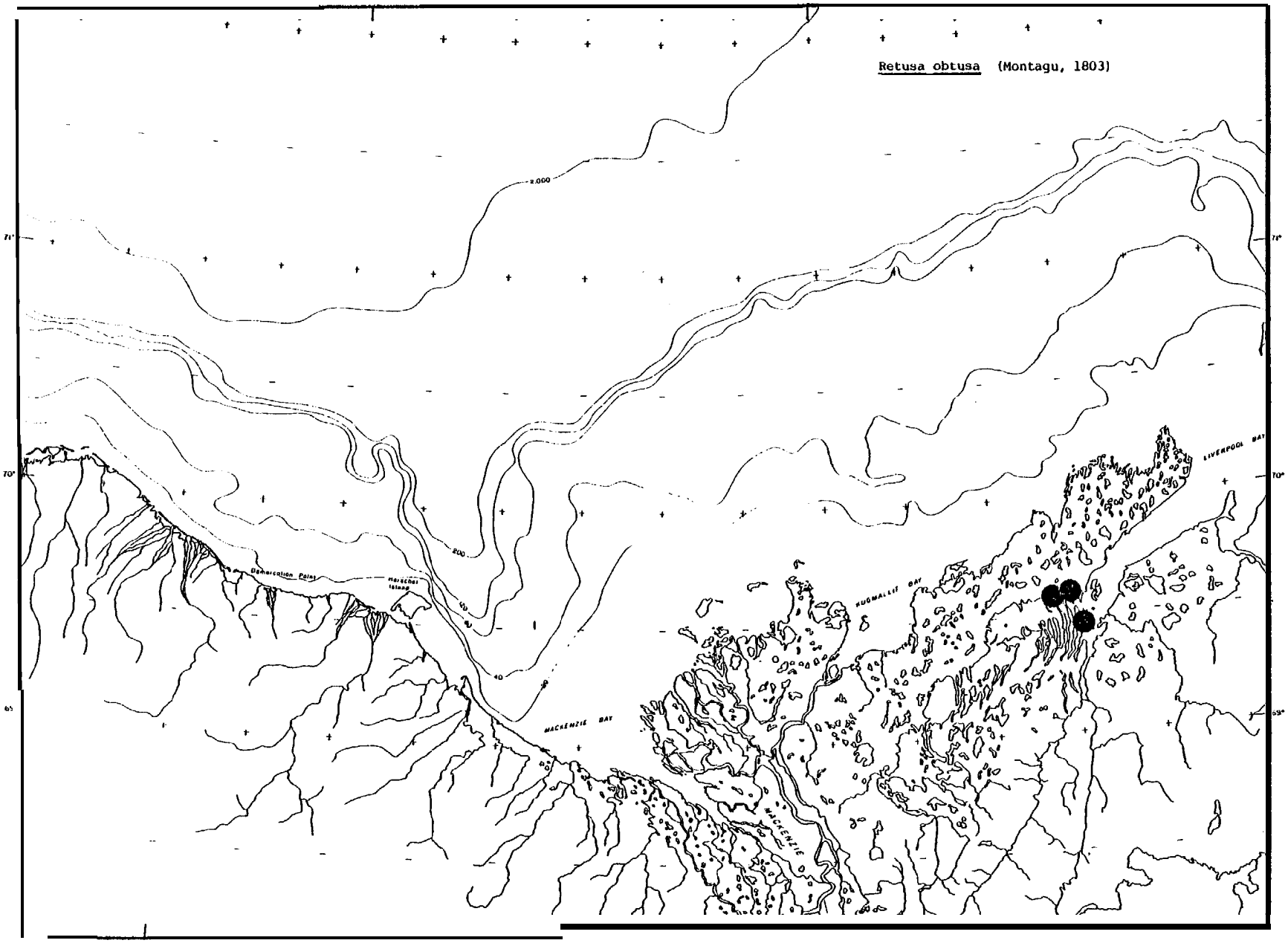

Cylichna occulta Mighels + Adams, 1842
71°
70°
69°
2,000
200
40
Demarcation Point
Herschel Island
MACKENZIE BAY
MACKENZIE
HUGHALLIE BAY
LIVERPOOL BAY


Diaphana minuta Brown, 1827
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
146°
144°


Philine finmarchica M. Sars, 1878
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
140°
144°

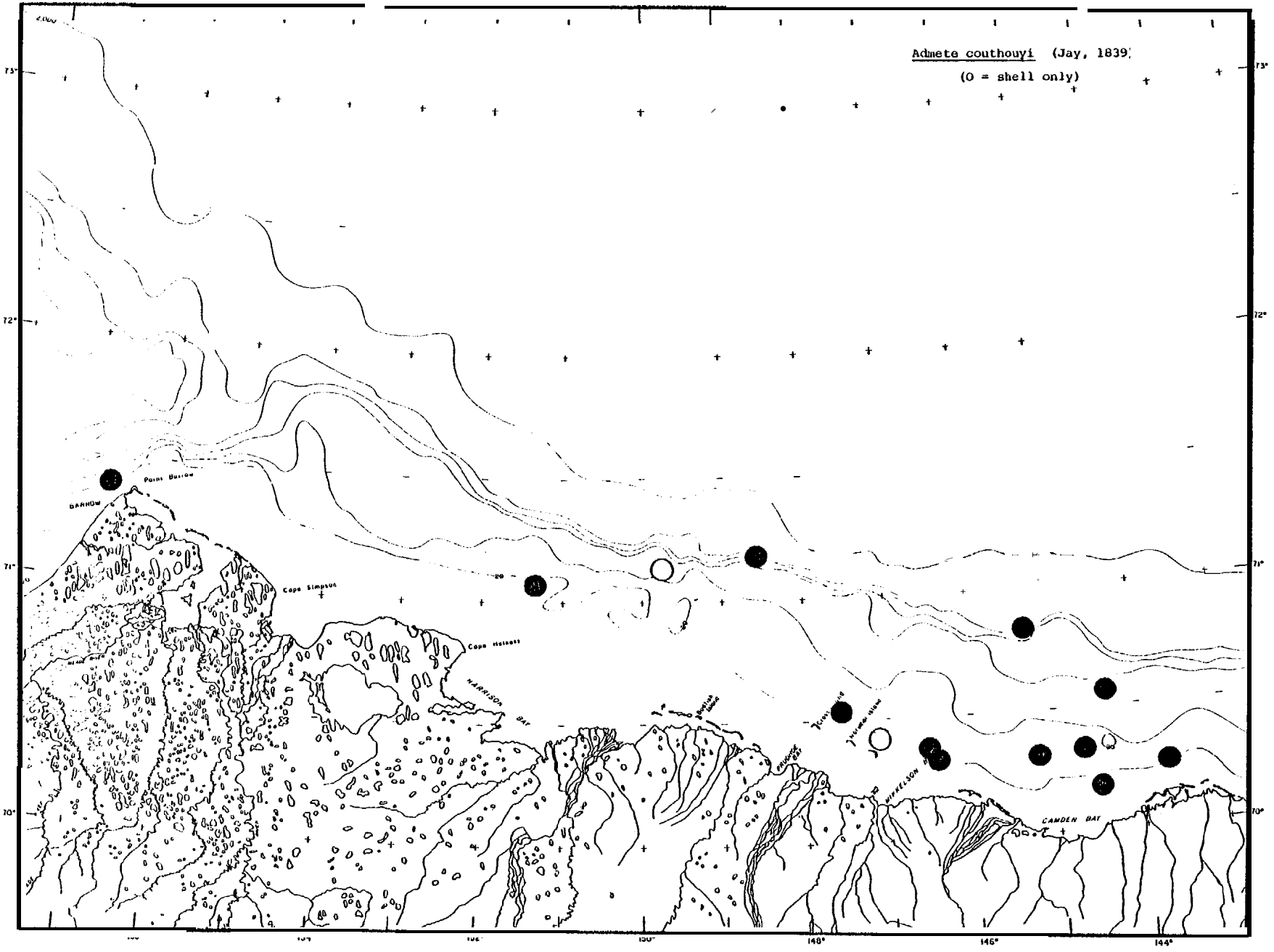

Philine lima (Brown, 1827)
(shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

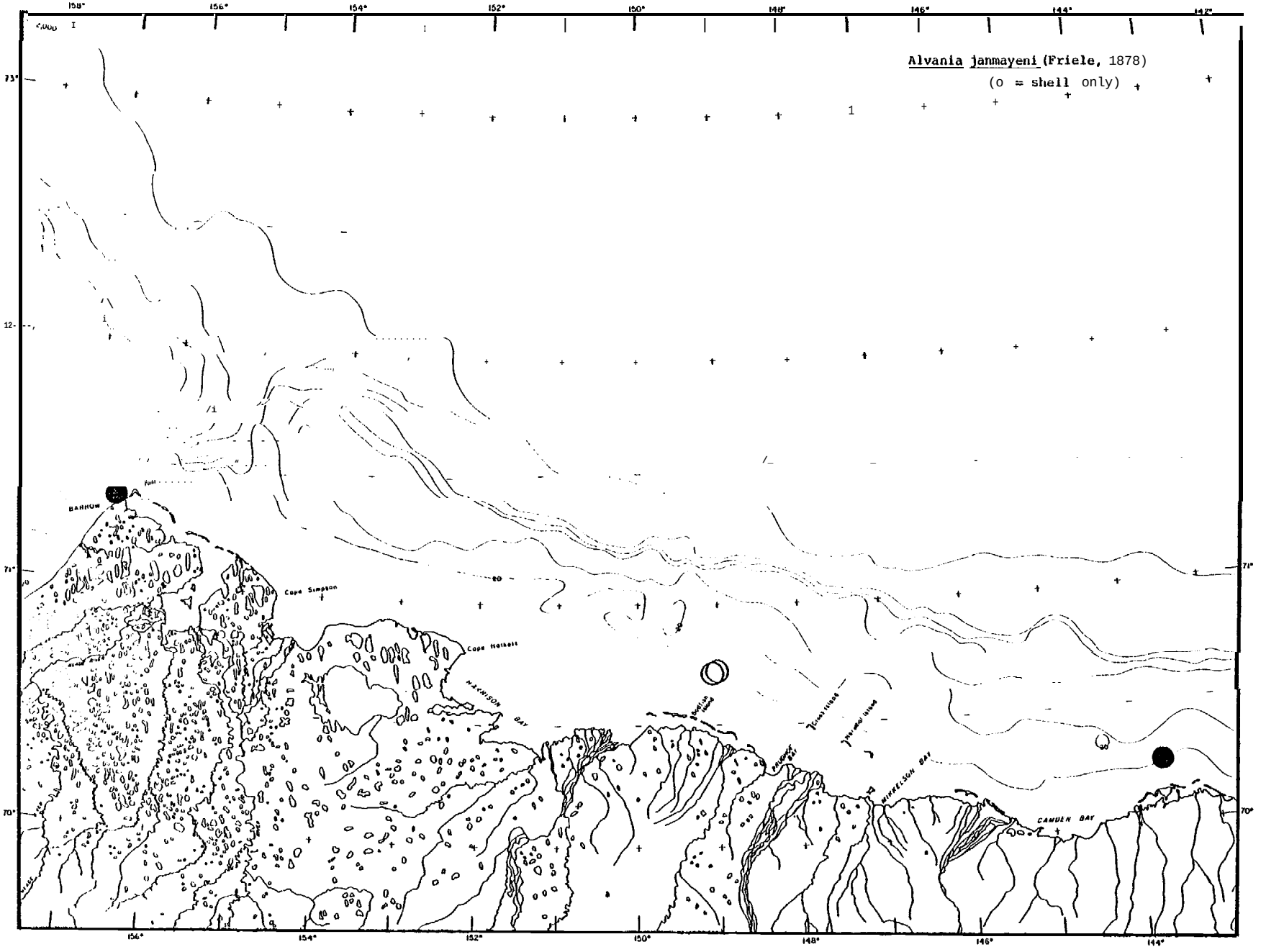

Philine pruinosa (Clark, 1827)
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

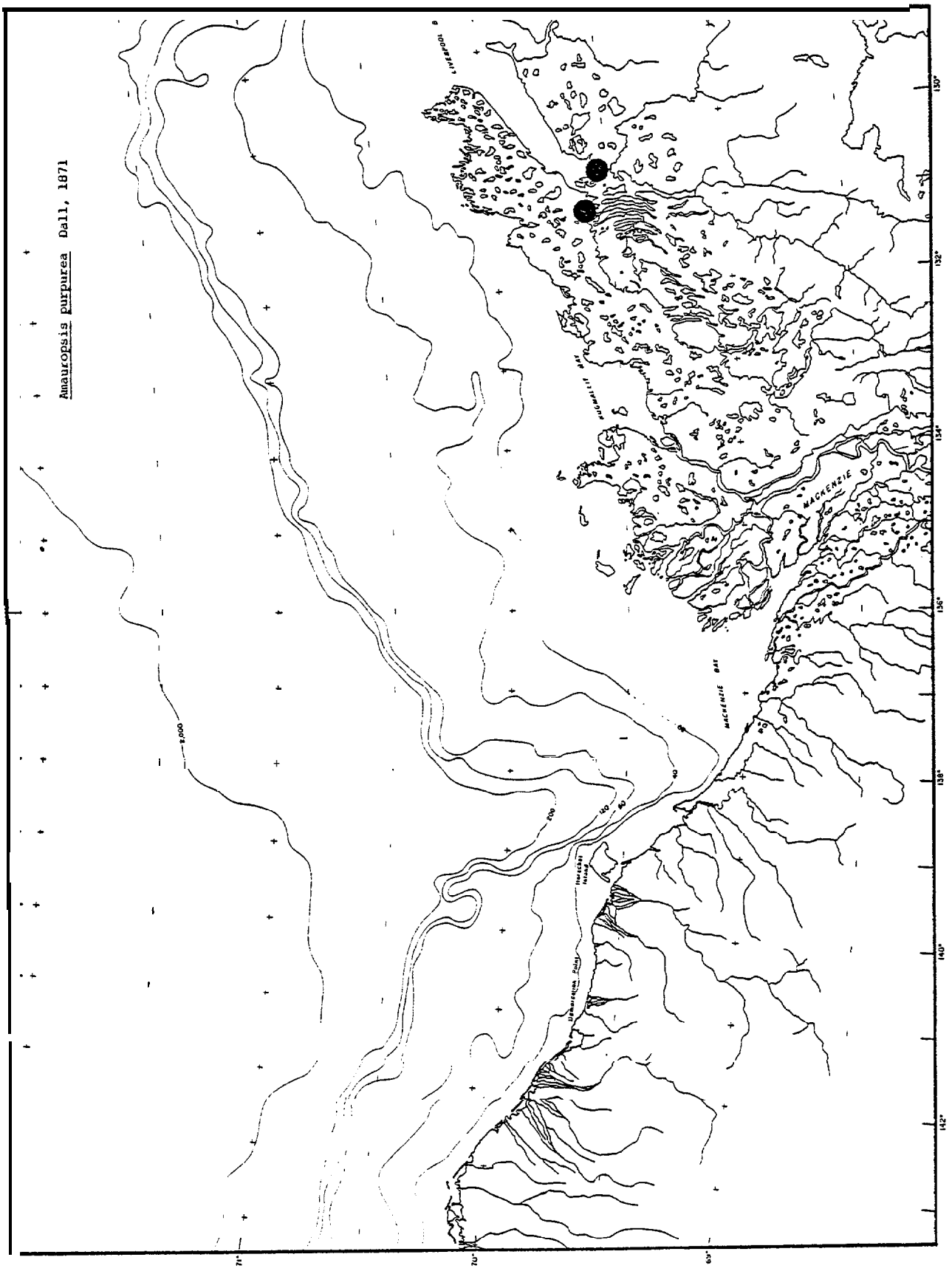

Retusa obtusa (Montagu, 1803)
2,000
200
40
Demarcation Point
Herschel Island
MACKENZIE BAY
KUGMALLIT BAY
LIVERPOOL BAY
MACKENZIE
71°
70°
65°

Species Distributions:

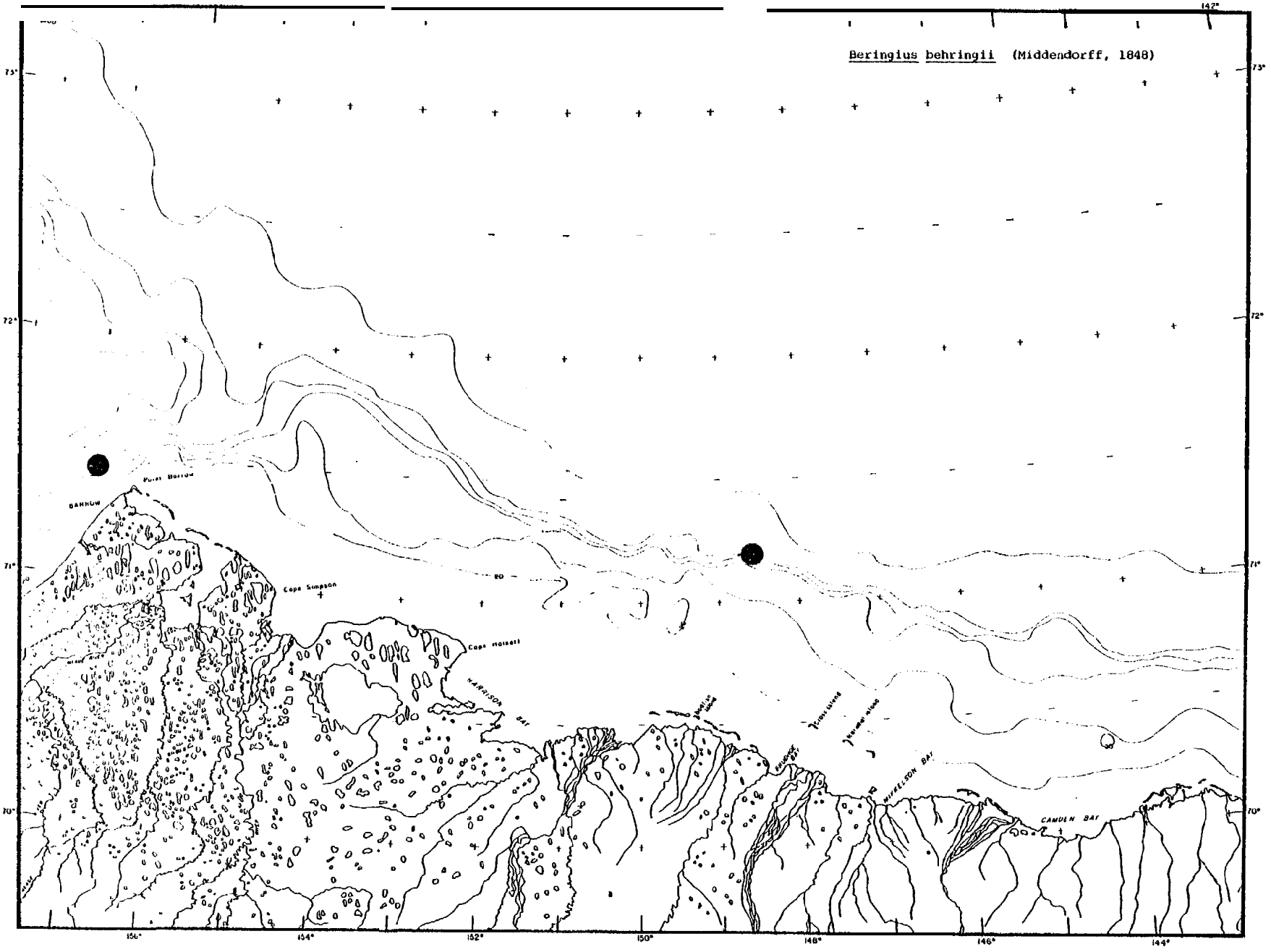
Mollusca -- Gastropoda (Prosobranchia)

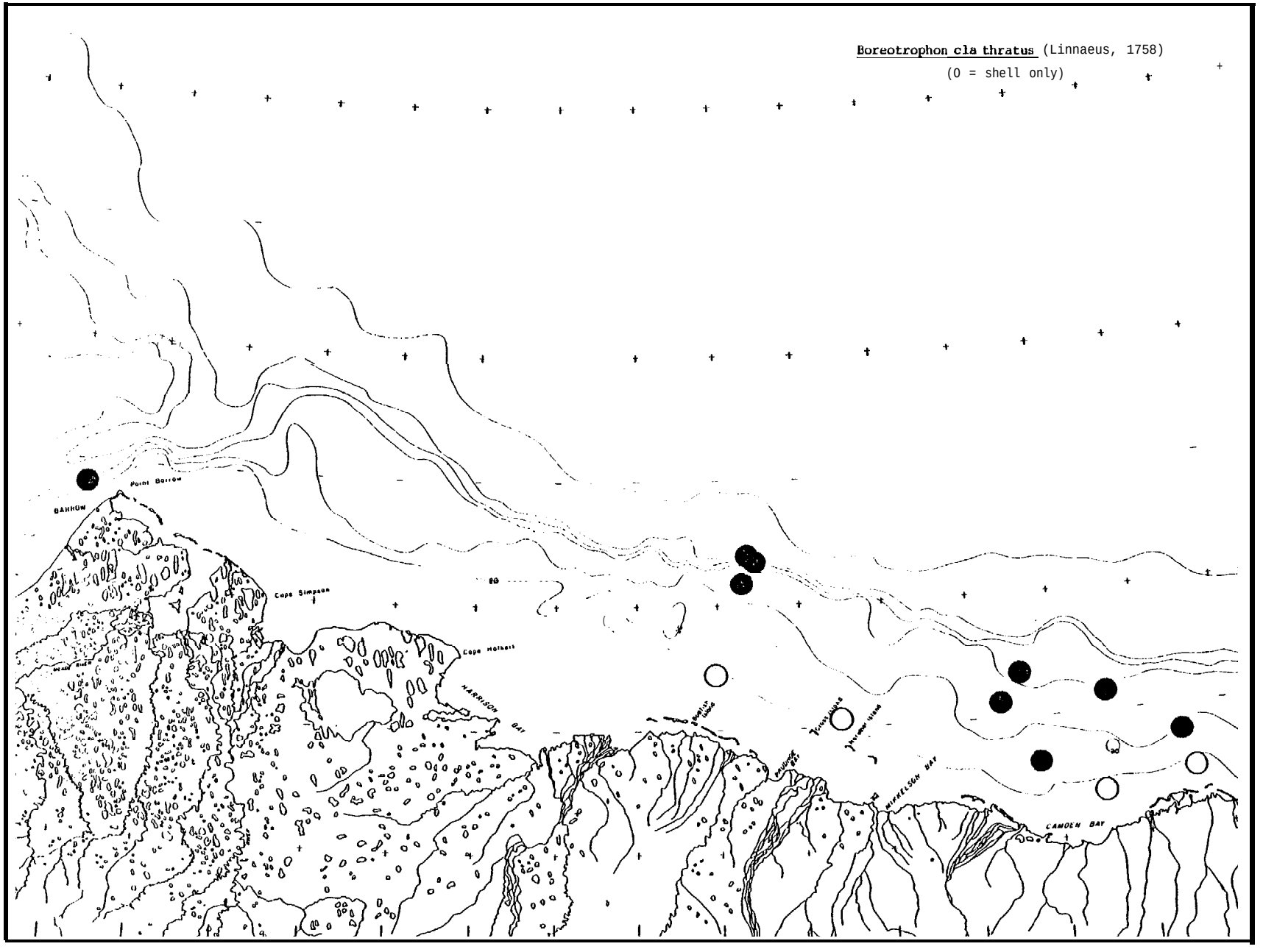

Admete couthouyi (Jay, 1839)
(O = shell only)
73°
72°
71°
70°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
NIPPELSON
CAMDEN BAY

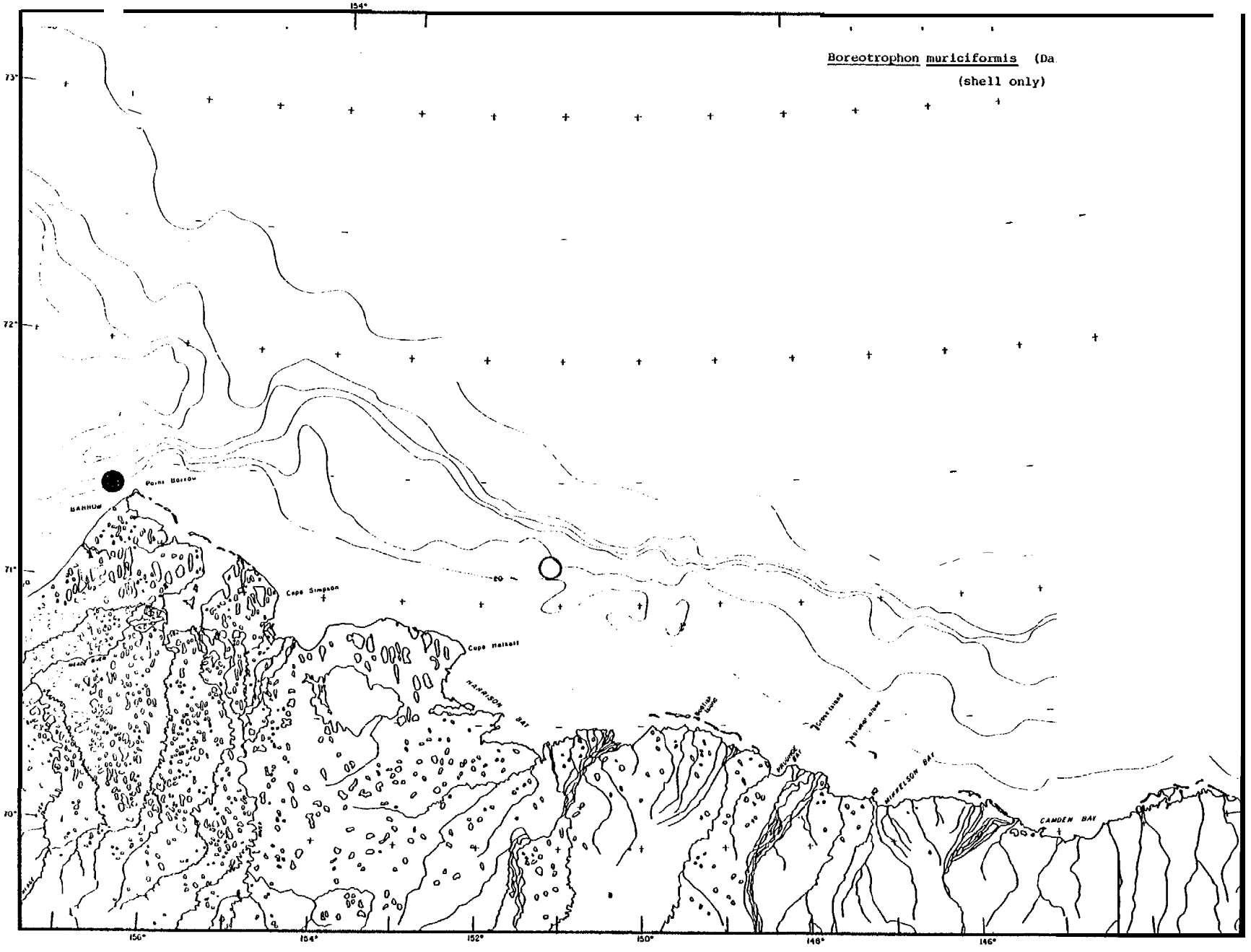

Alvania janmayeni (Friele, 1878)
(o = shell only)
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°

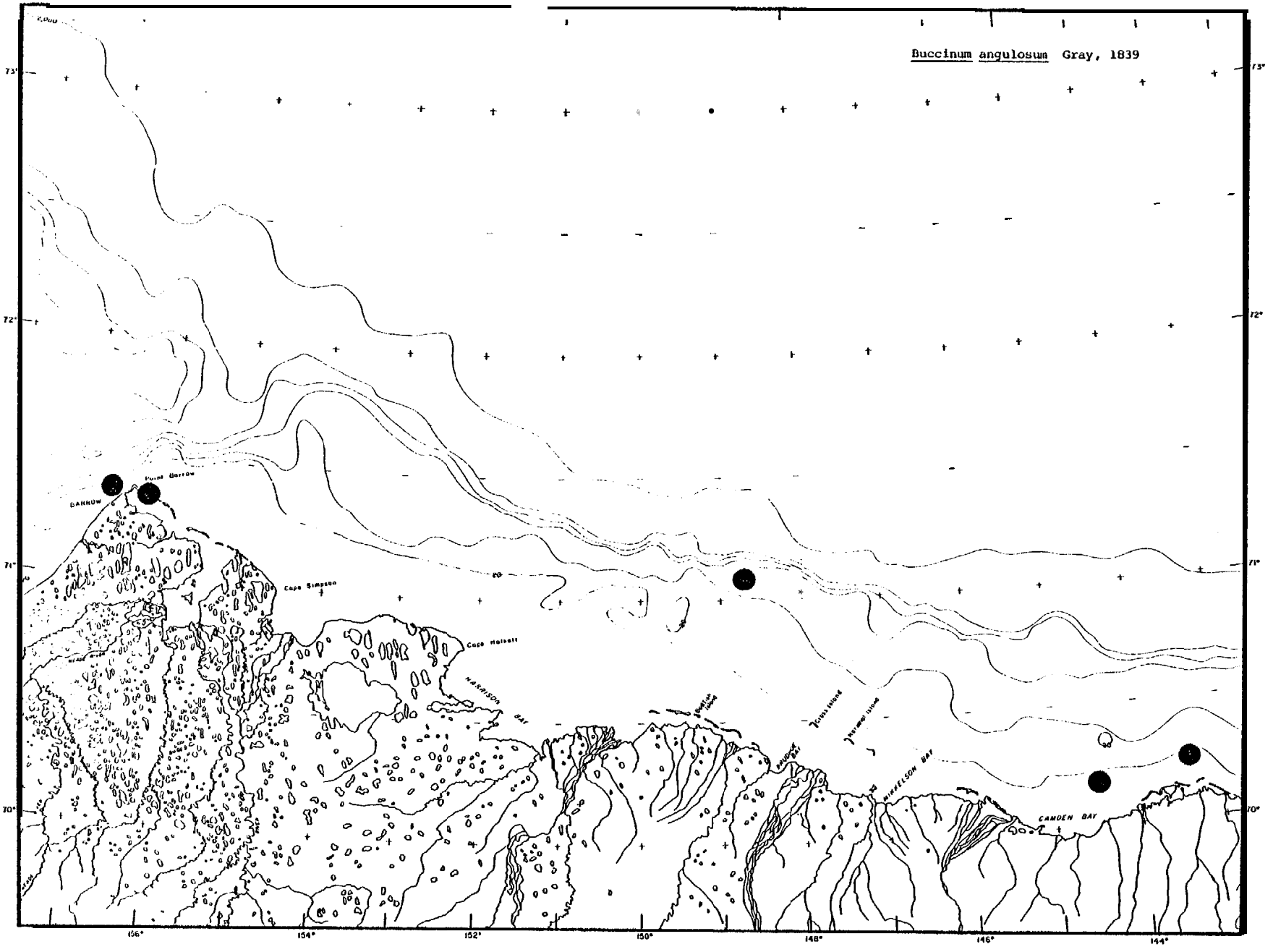


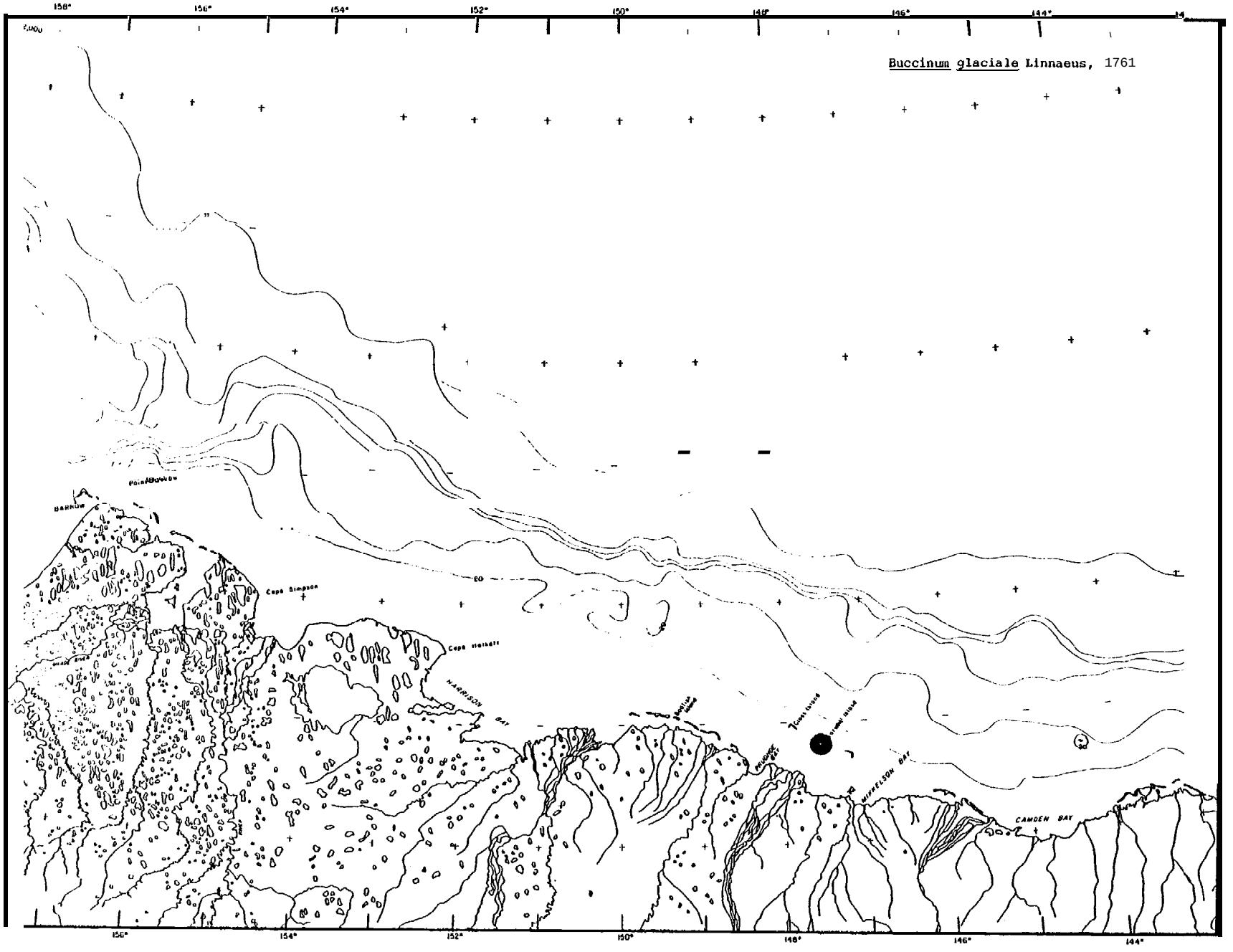
Amauropsis purpurea Dall, 1871

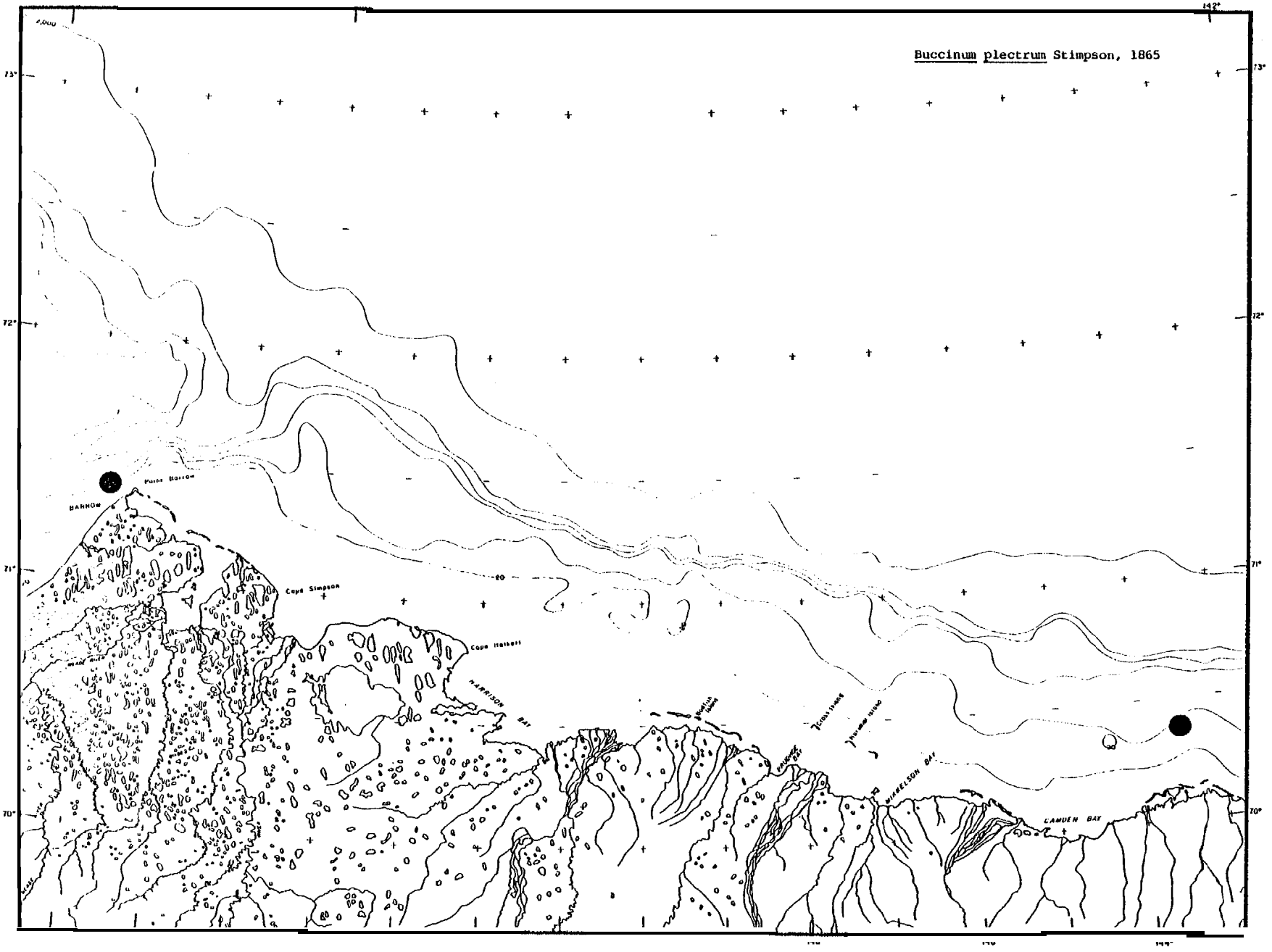

Beringius behringii (Middendorff, 1848)
142°
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WHELSON BAY
CAMDEN BAY

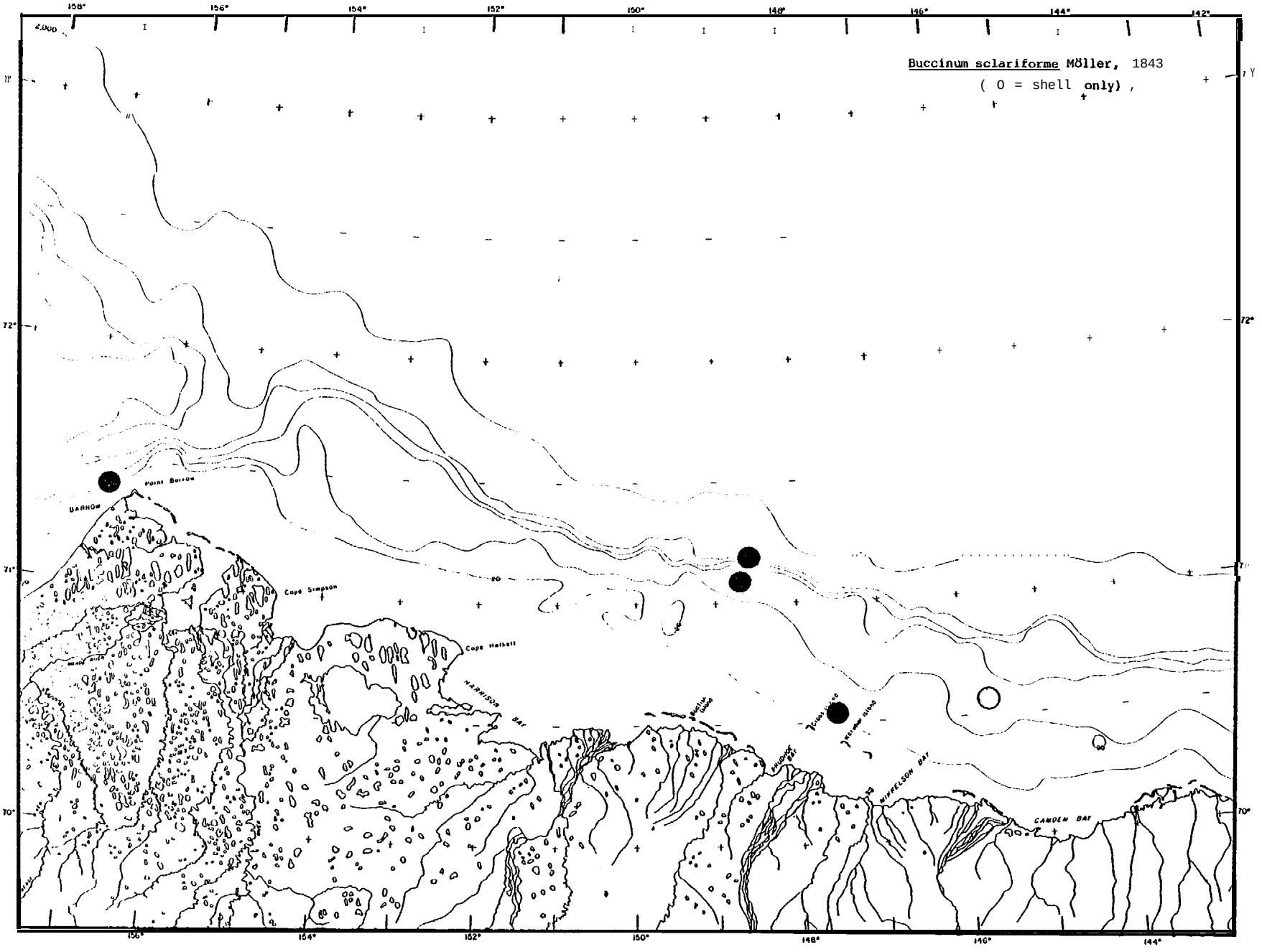

Boreotrophon clathratus (Linnaeus, 1758)
(O = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSEN BAY
CAMDEN BAY

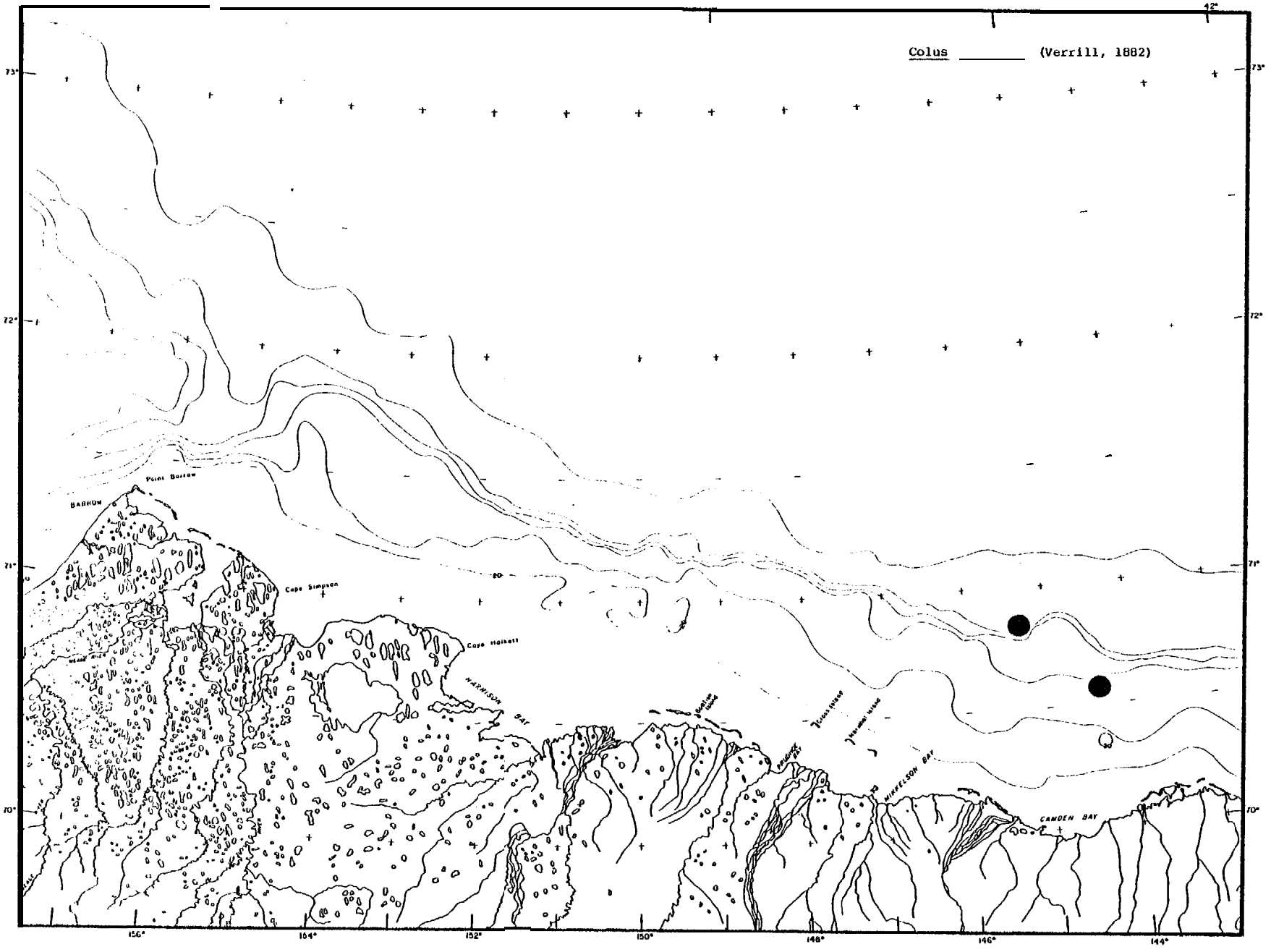

Boreotrophon muriciformis (Da
(shell only)
154°
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

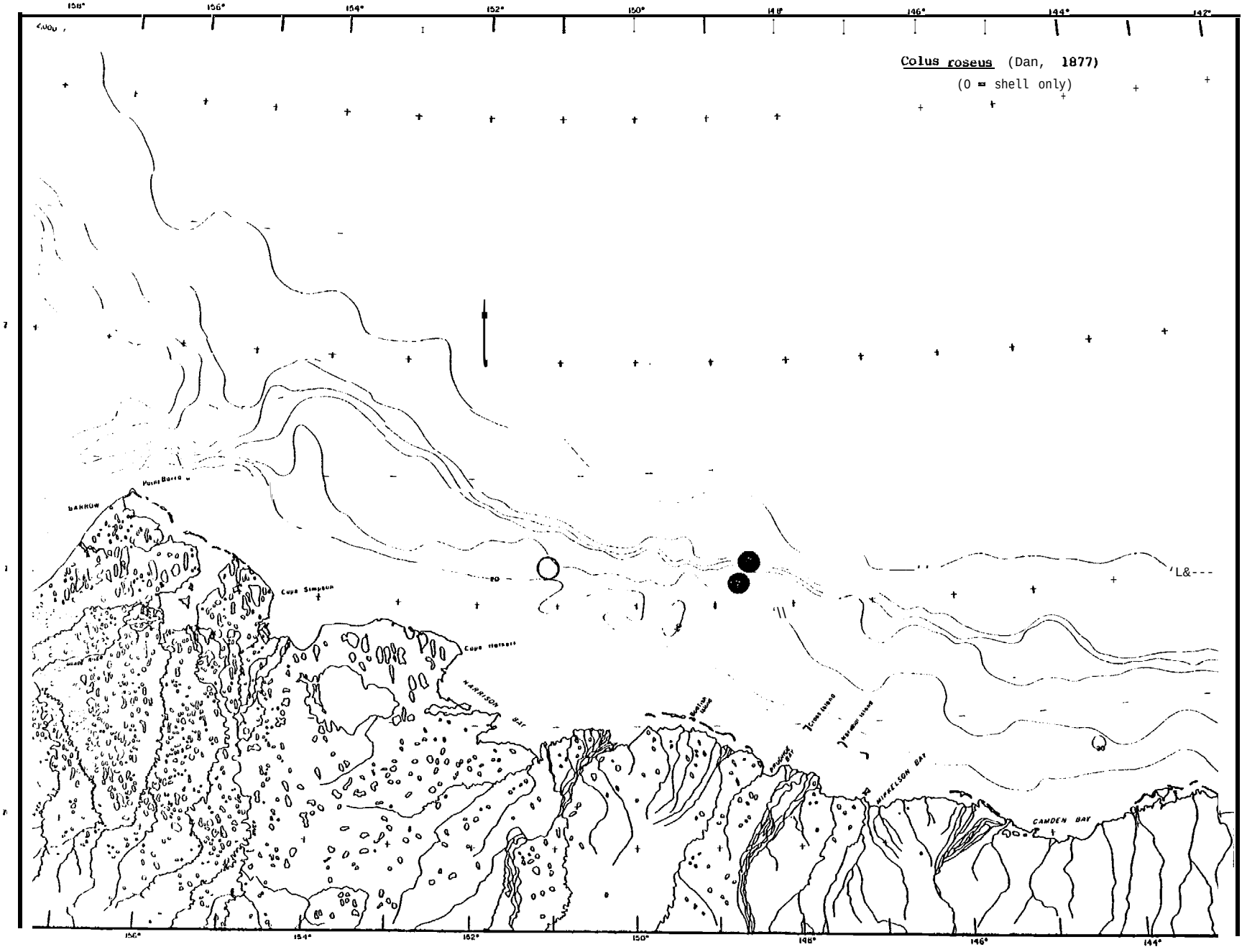

Buccinum angulosum Gray, 1839
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
75°
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

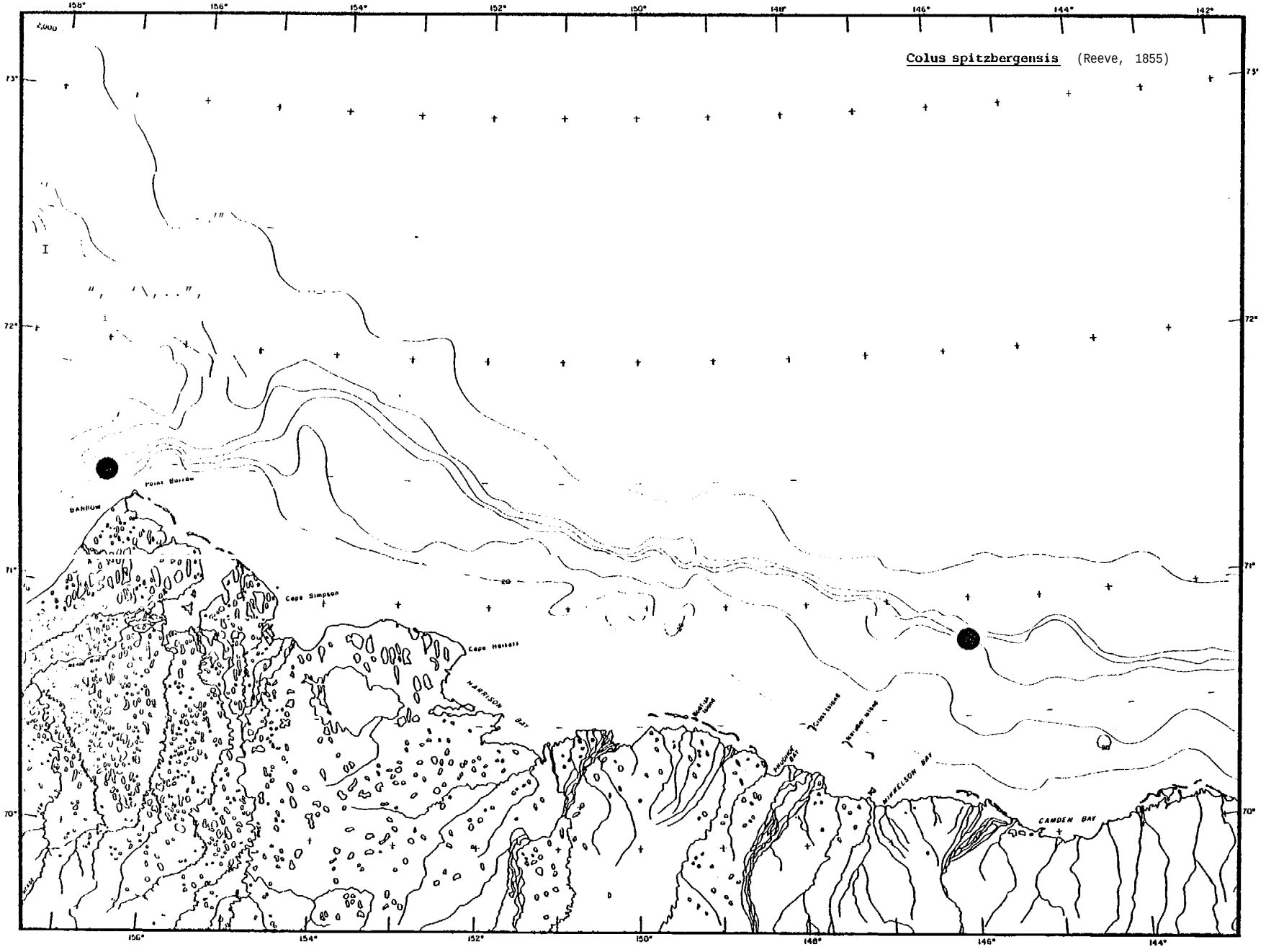

Buccinum glaciale Linnaeus, 1761
158°
156°
154°
152°
150°
148°
146°
144°
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

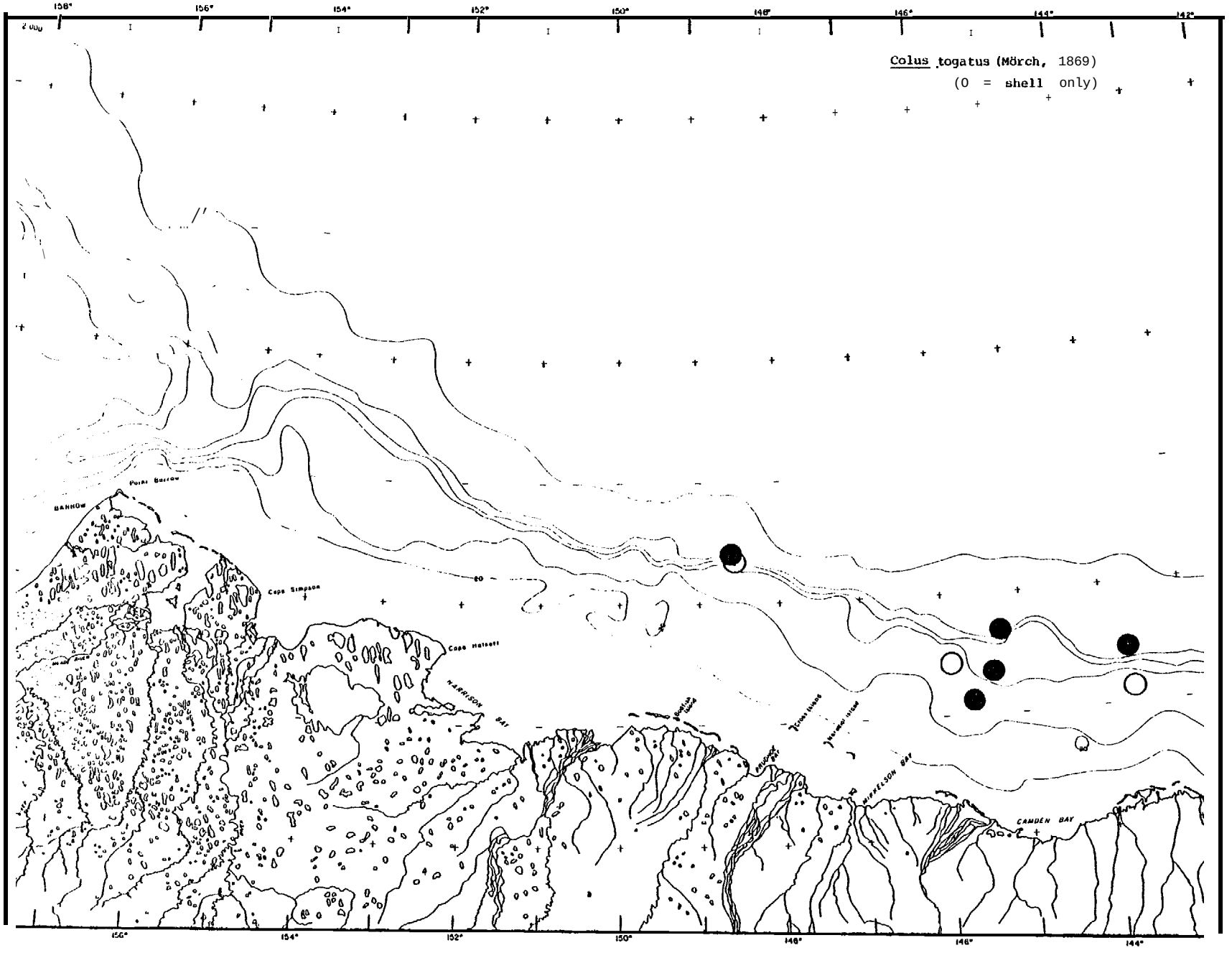

Buccinum plectrum Stimpson, 1865
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Goodfish Island
Cross Island
Narwhal Island
PAUGHOOK BAY
MIKKELSON BAY
CAMDEN BAY
142°
73°
72°
71°
70°

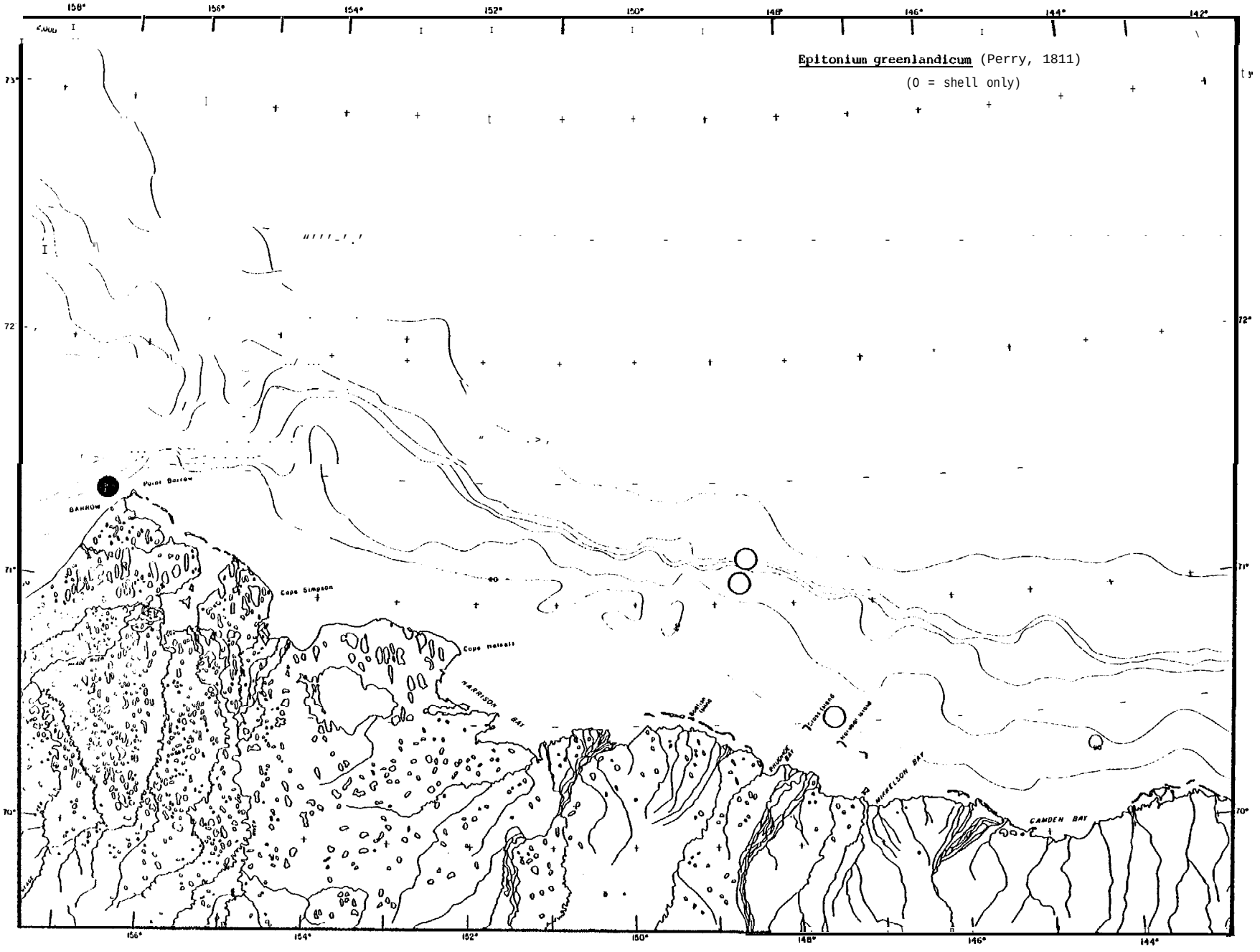

Buccinum sclariforme Möller, 1843
(0 = shell only) ,
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
72°
71°
70°

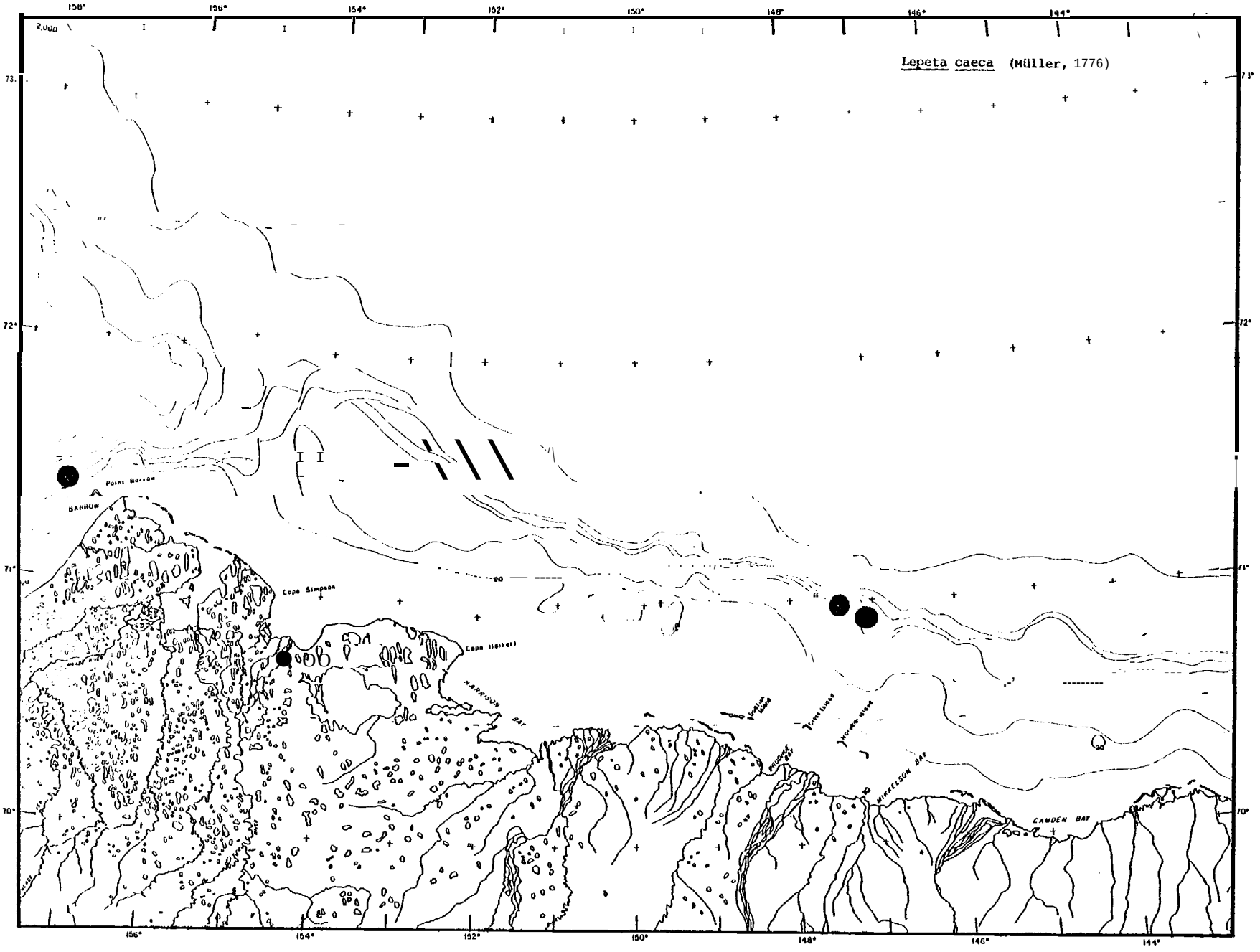

Colus _____ (Verrill, 1882)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

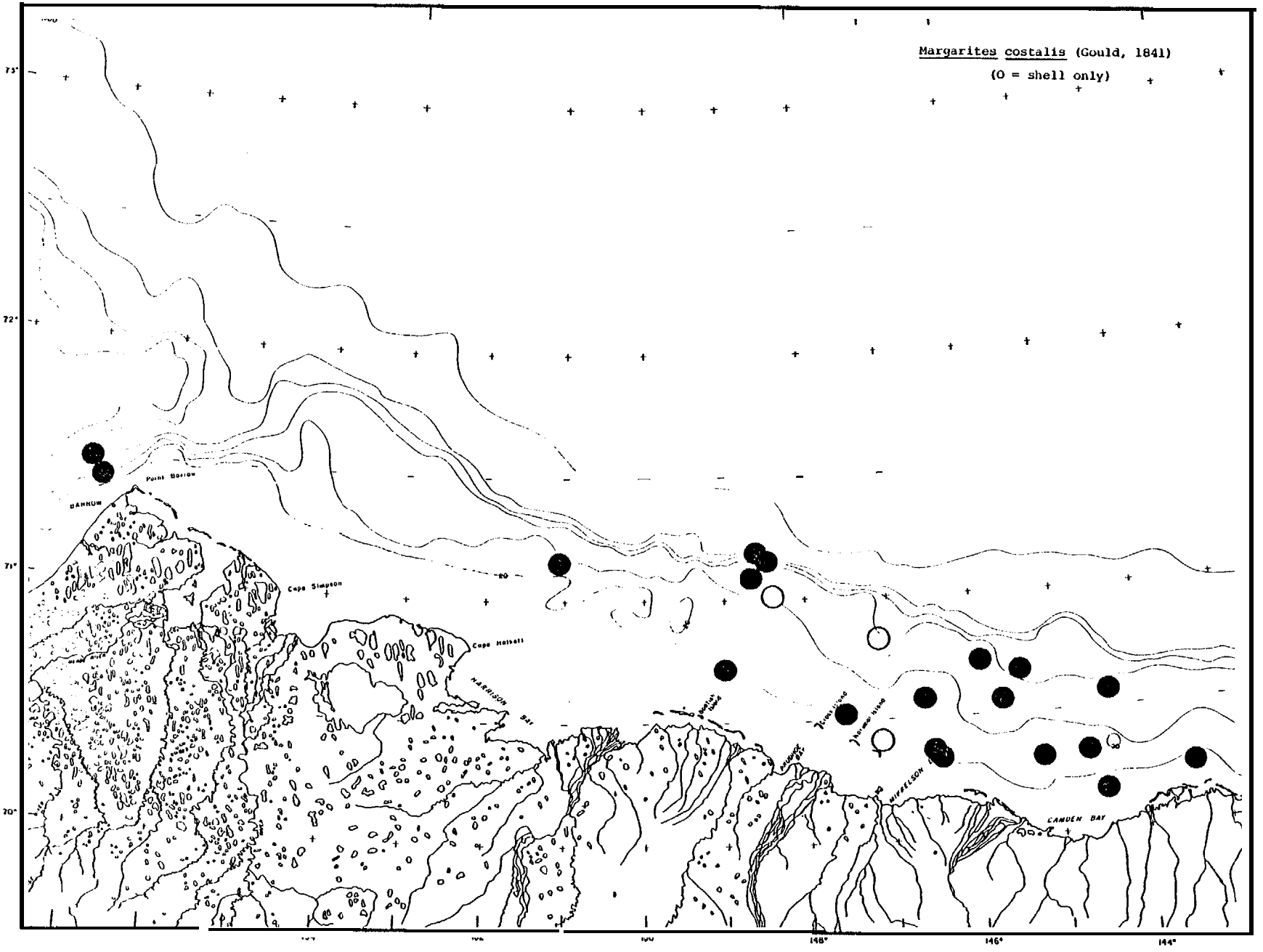

Colus roseus (Dan, 1877)
(O = shell only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
L&---

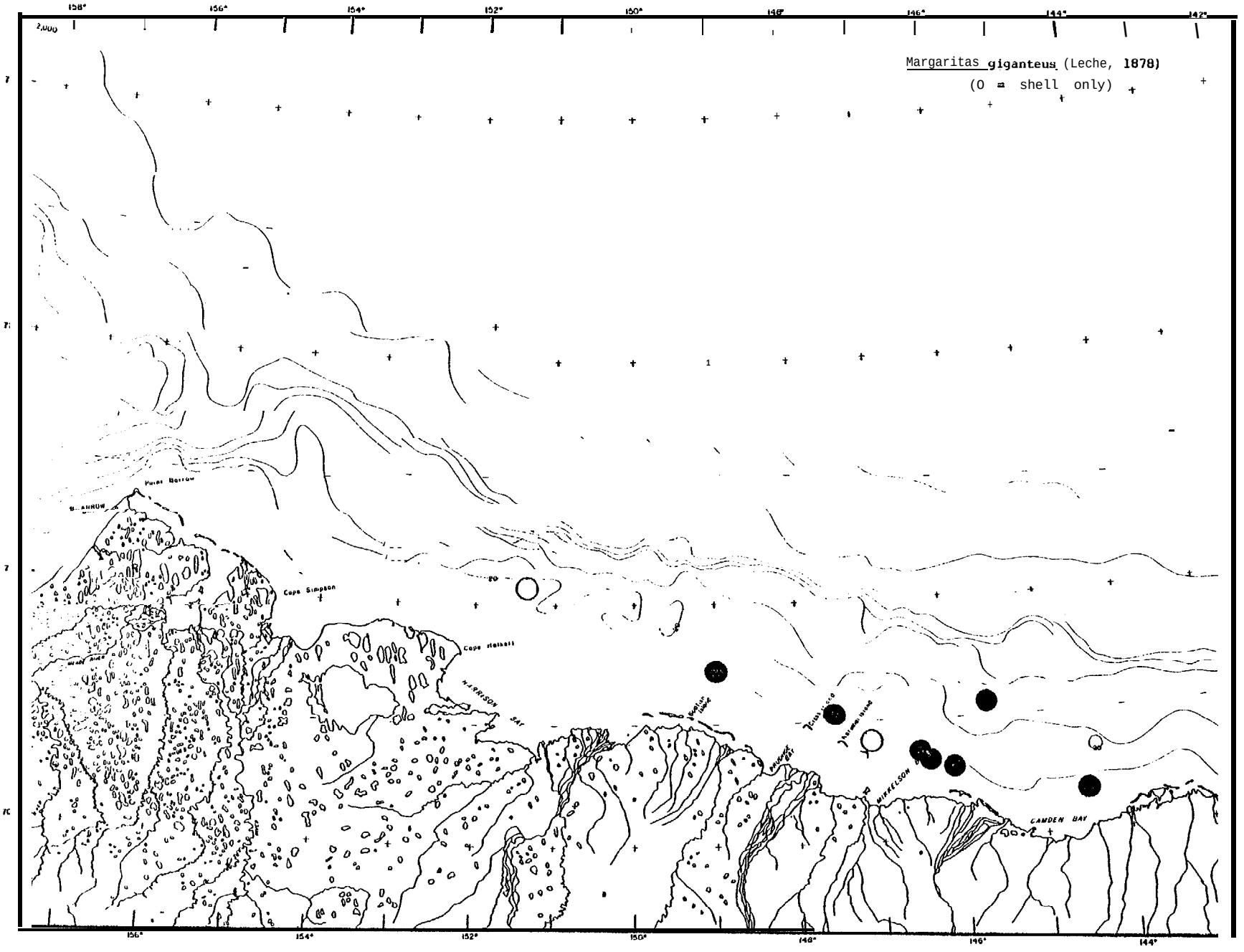

Colus spitzbergensis (Reeve, 1855)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
2,000
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY

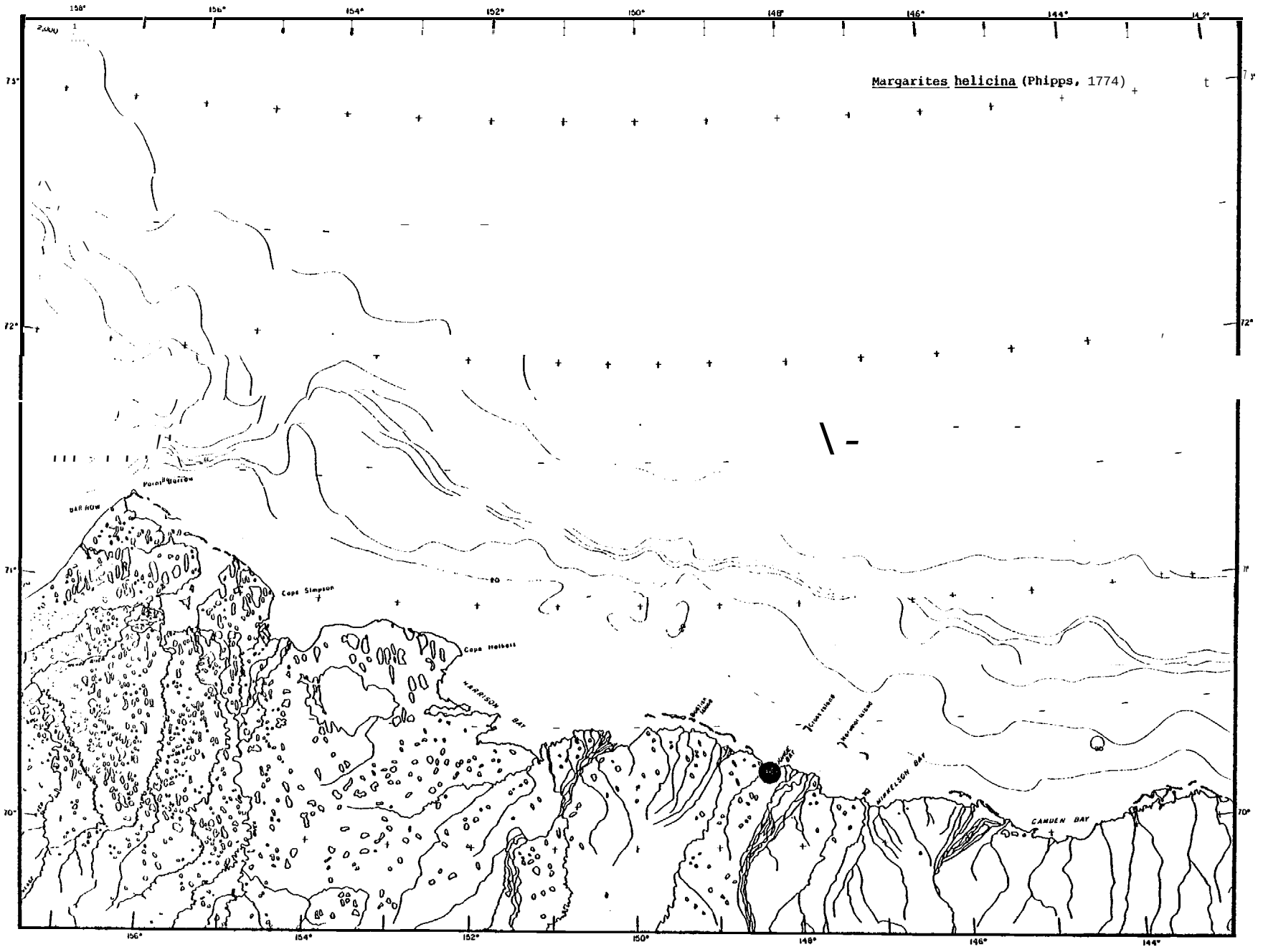

Colus togatus (Mörch, 1869)
(0 = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

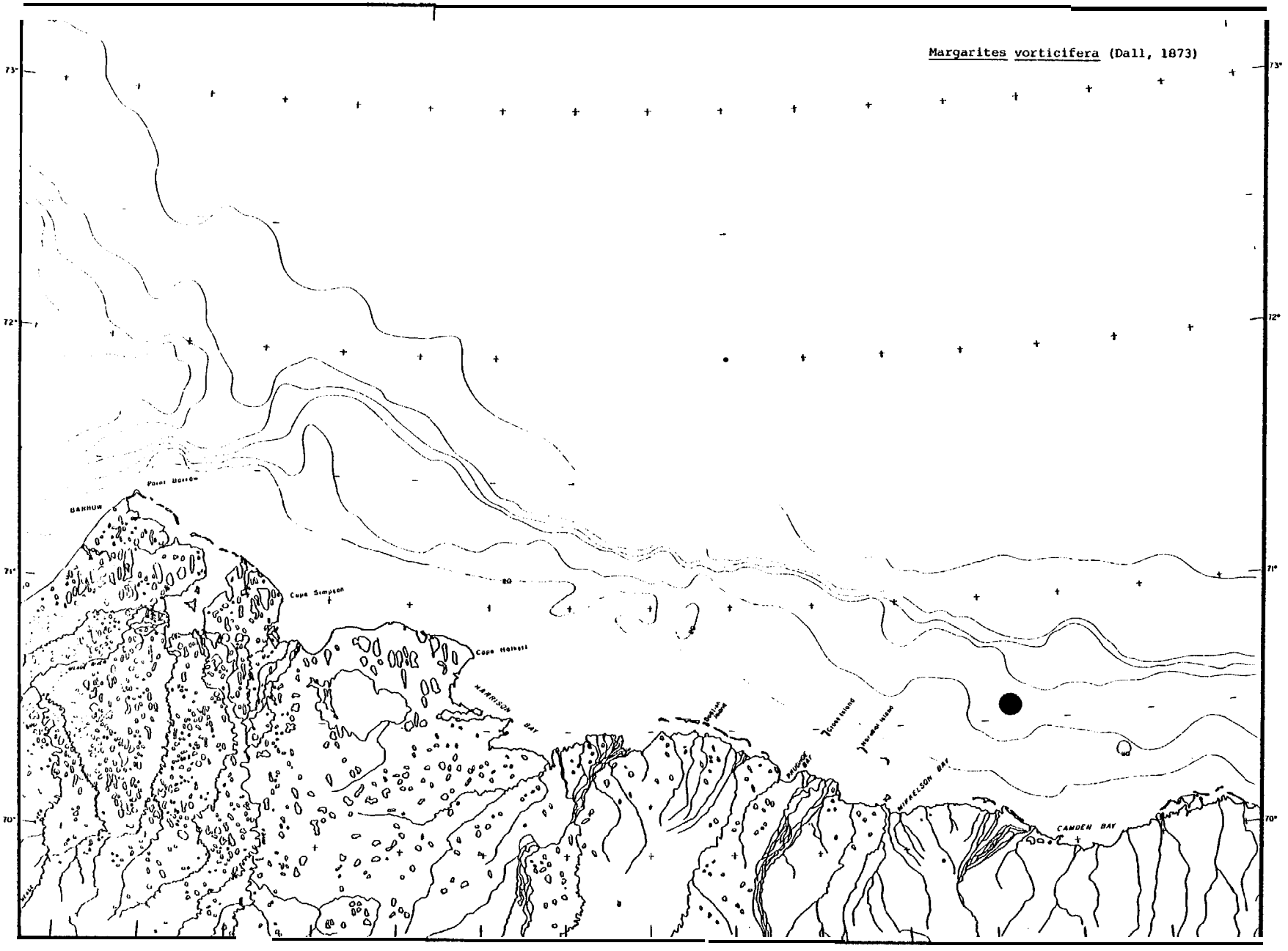

Epitonium greenlandicum (Perry, 1811)
(O = shell only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

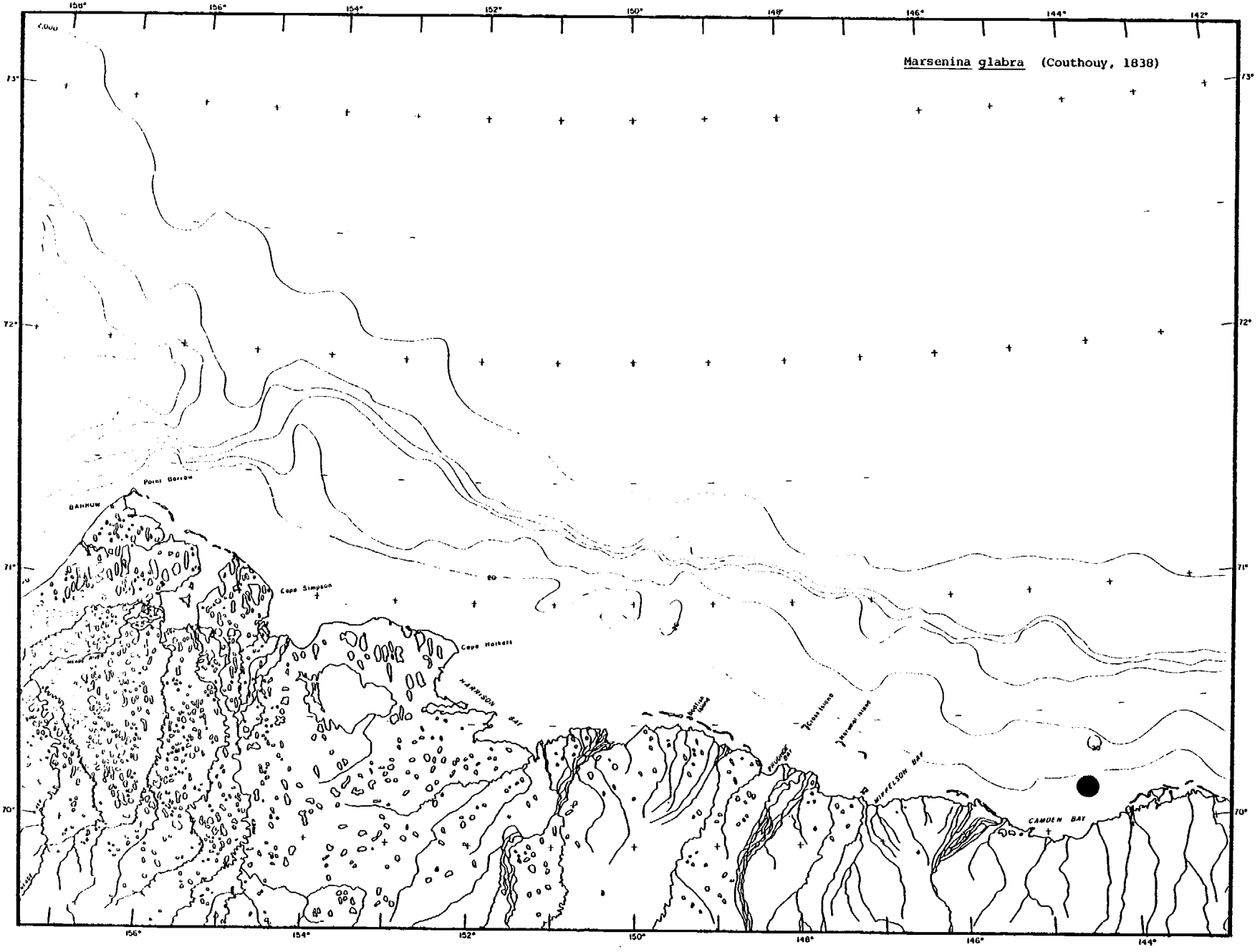

Lepeta caeca (Müller, 1776)
158°
156°
154°
152°
150°
148°
146°
144°
73°
72°
71°
70°
2,000
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

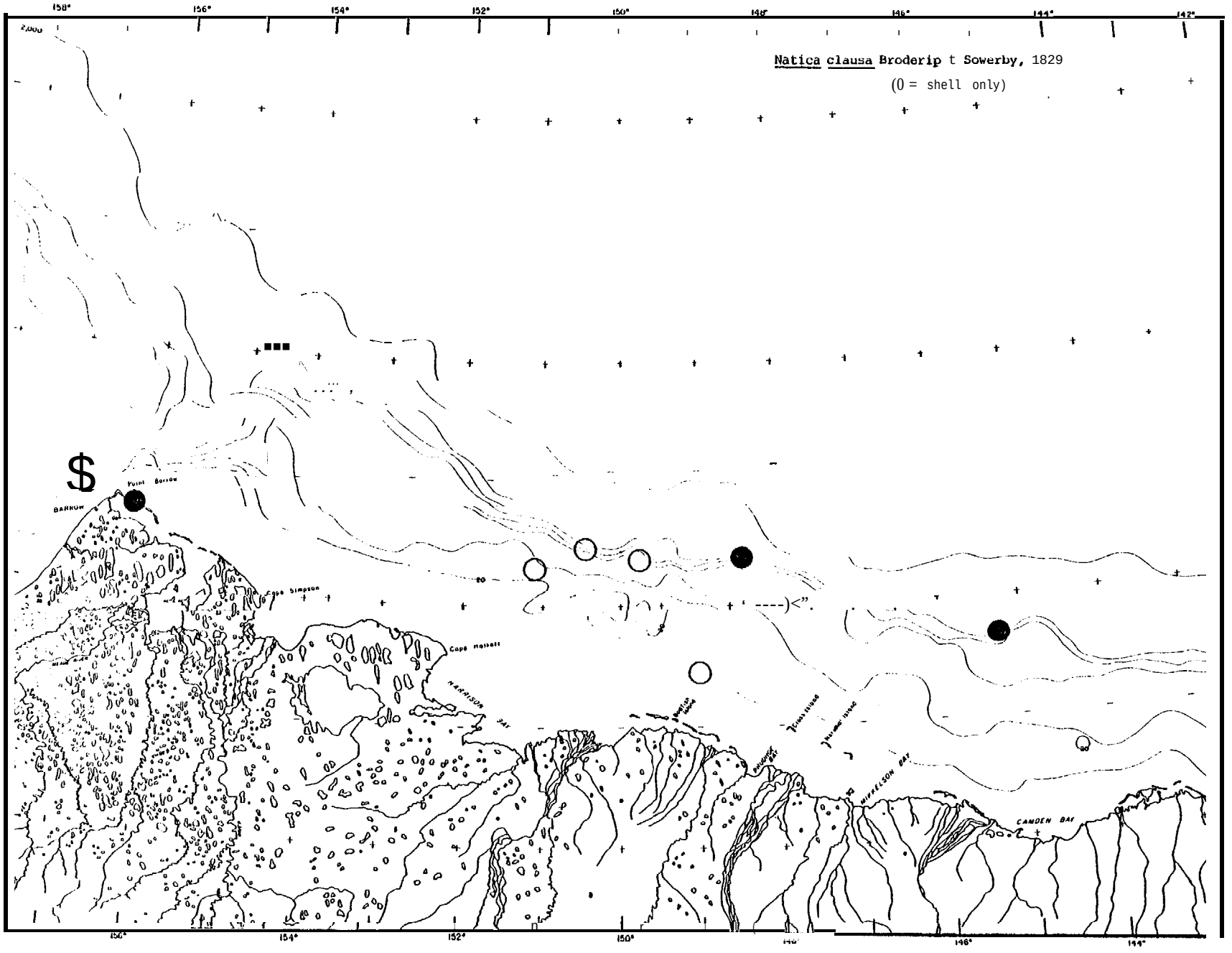

Margarites costalis (Gould, 1841)
(O = shell only)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY
148°
146°
144°

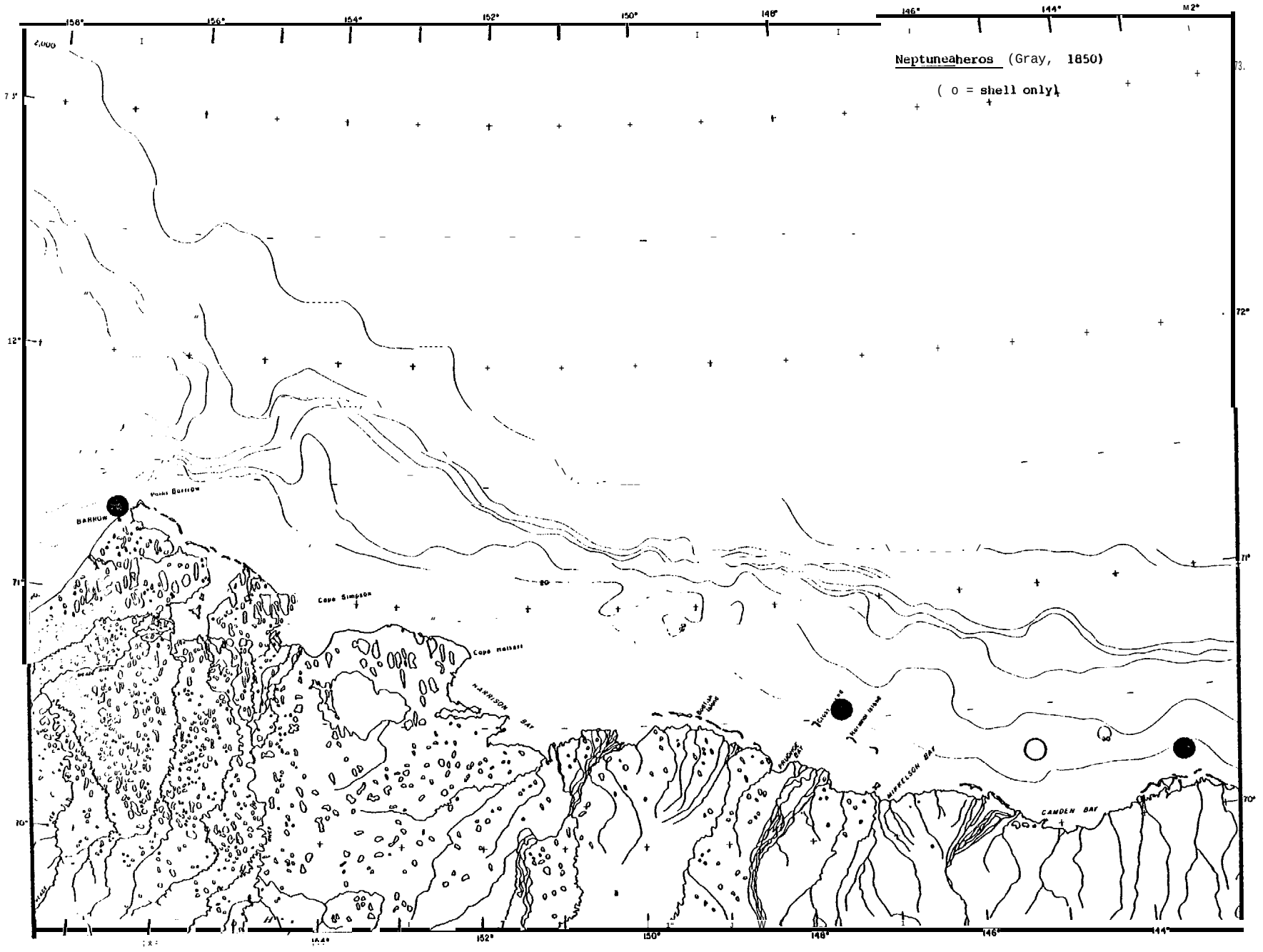

Margaritas giganteus (Leche, 1878)
(O = shell only)
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

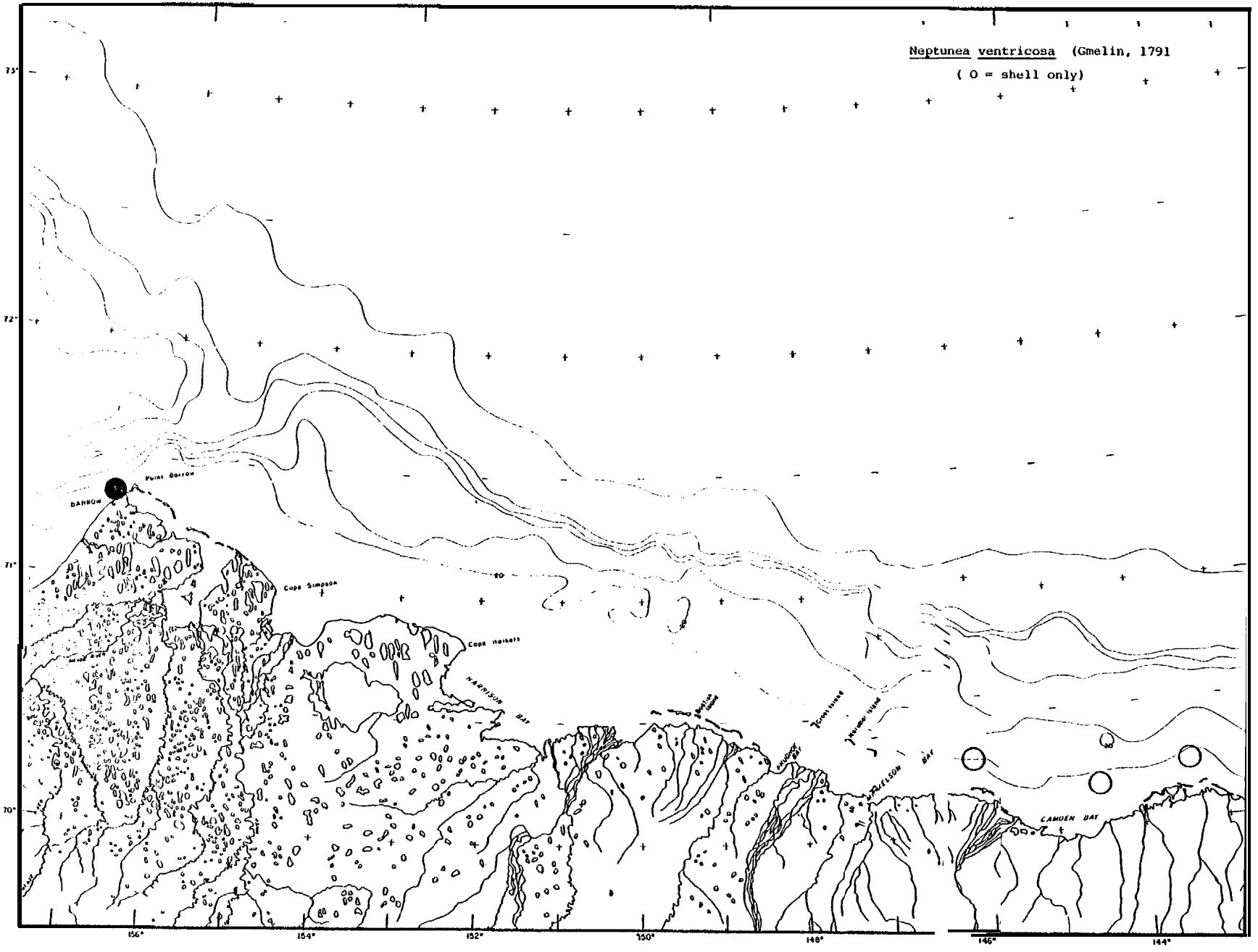

Margarites helicina (Phipps, 1774)
Point Barrow
BAR ROW
Cape Simpson
Cape Halkett
HARRISON BAY
HIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°

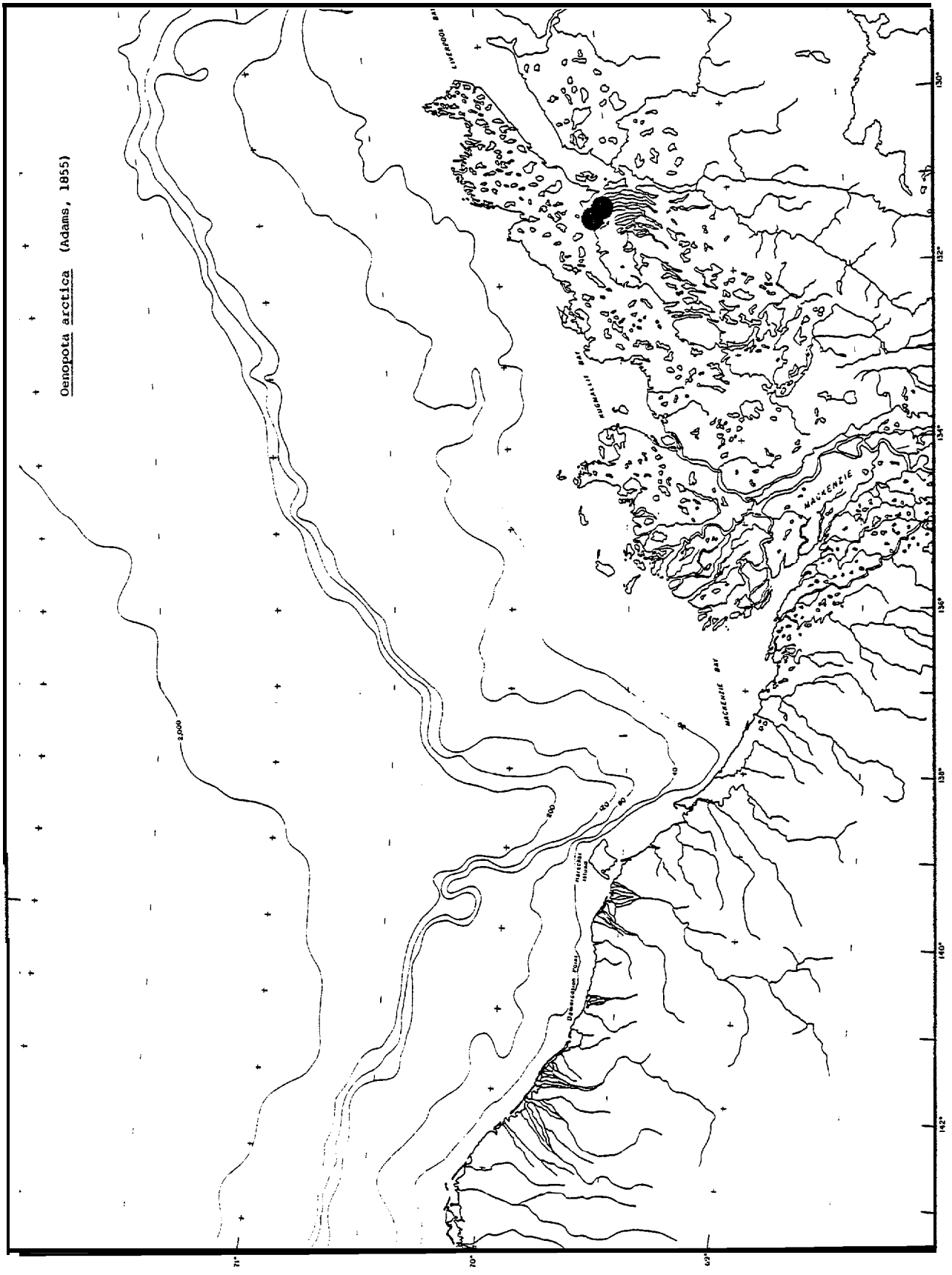

Margarites vorticifera (Dall, 1873)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY


Marsenina glabra (Couthouy, 1838)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°

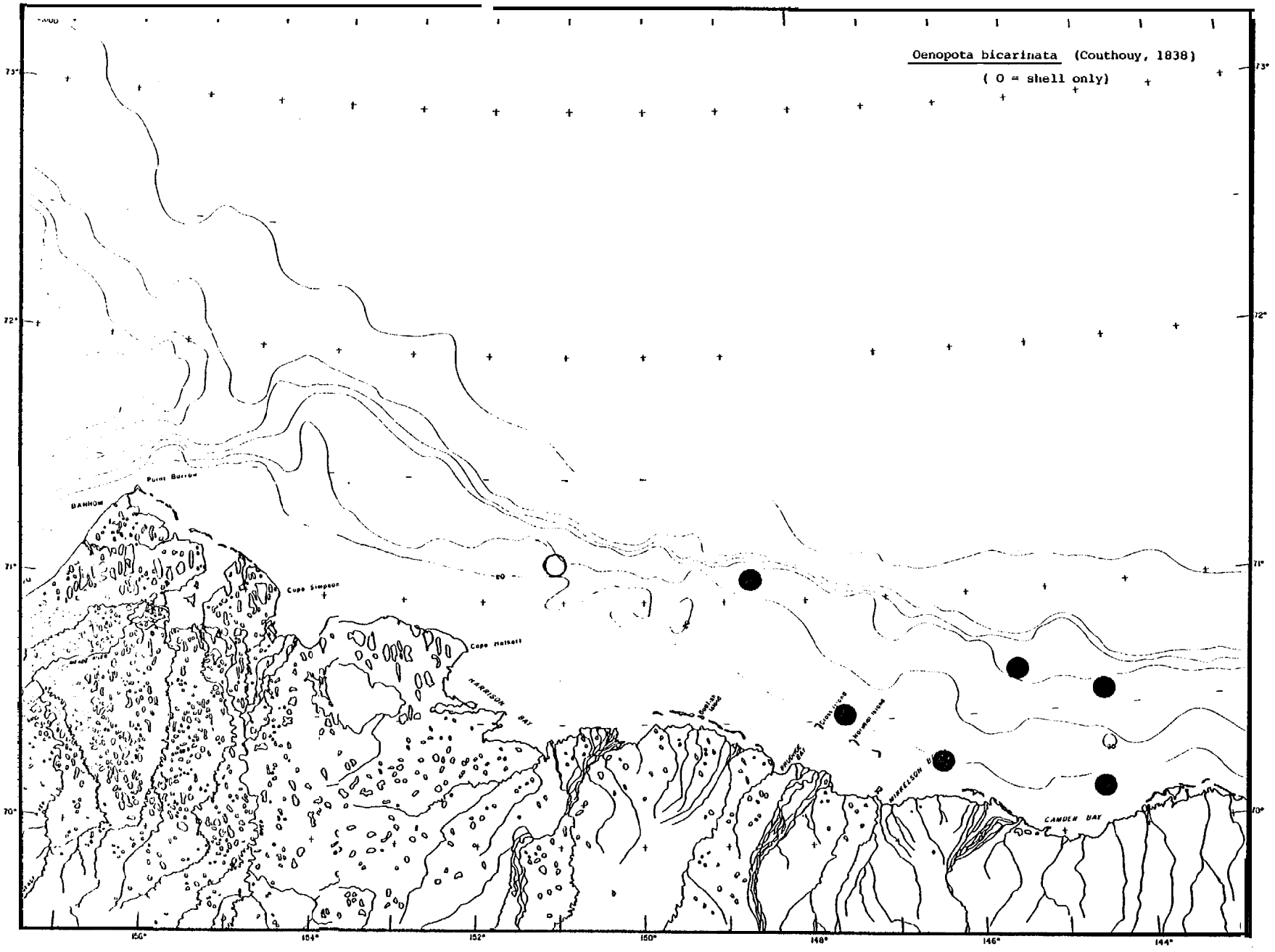

Natica clausa Broderip t Sowerby, 1829
(0 = shell only)
$
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

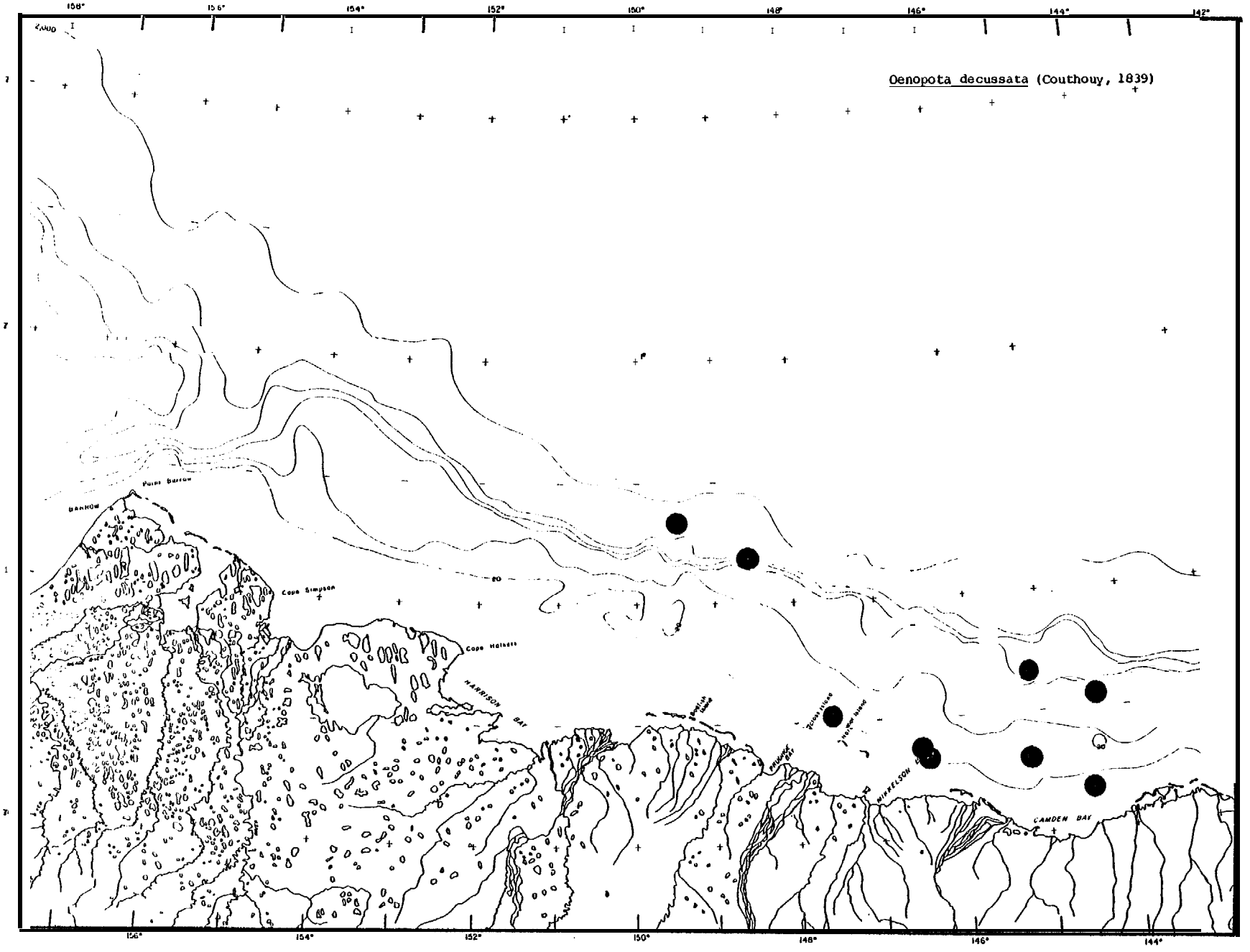

Neptuneaheros (Gray, 1850)
(o = shell only)
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
72°
71°
70°

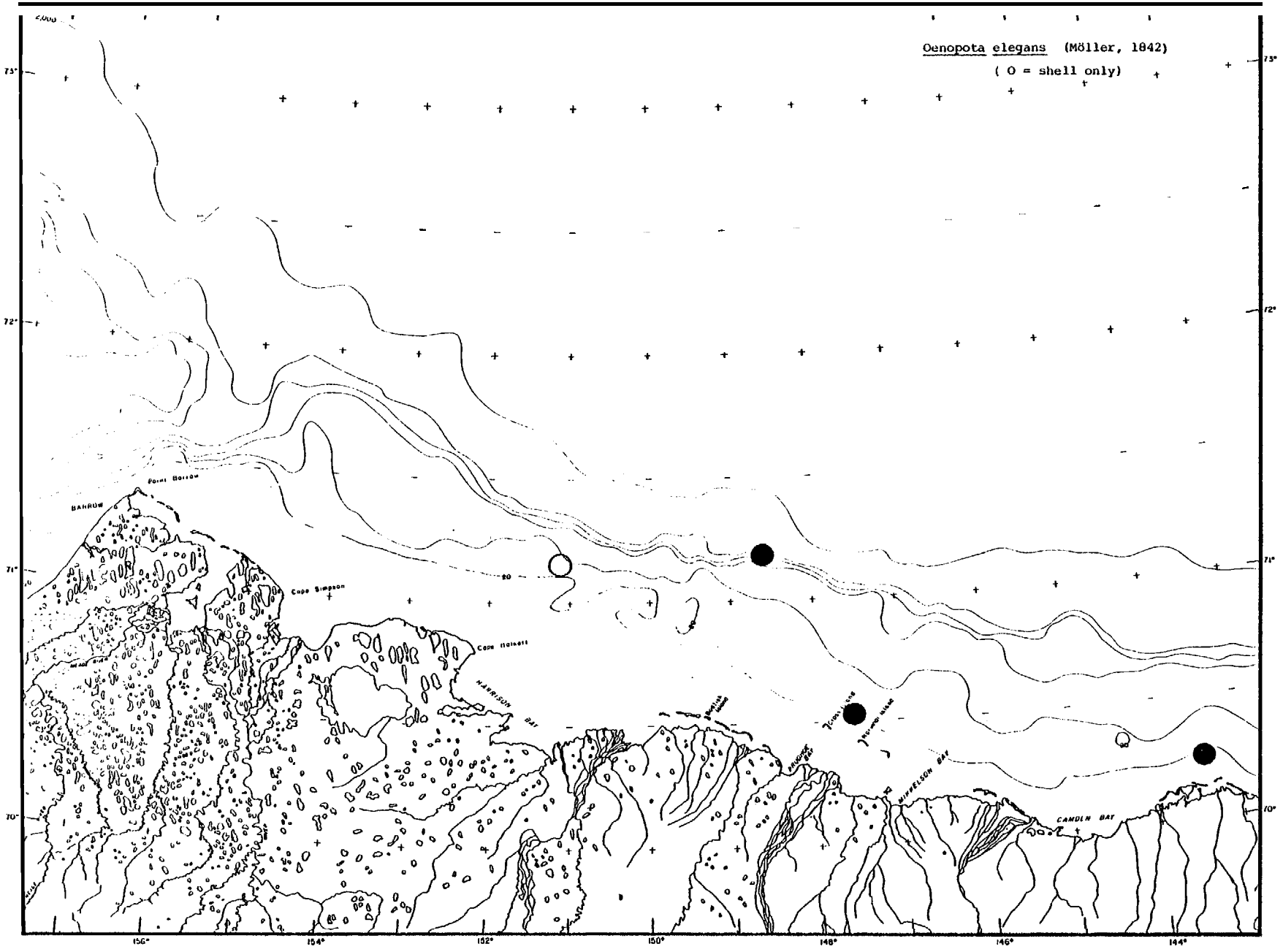

Neptunea ventricosa (Gmelin, 1791
(O = shell only)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
NELSON BAY
CAMDEN BAY

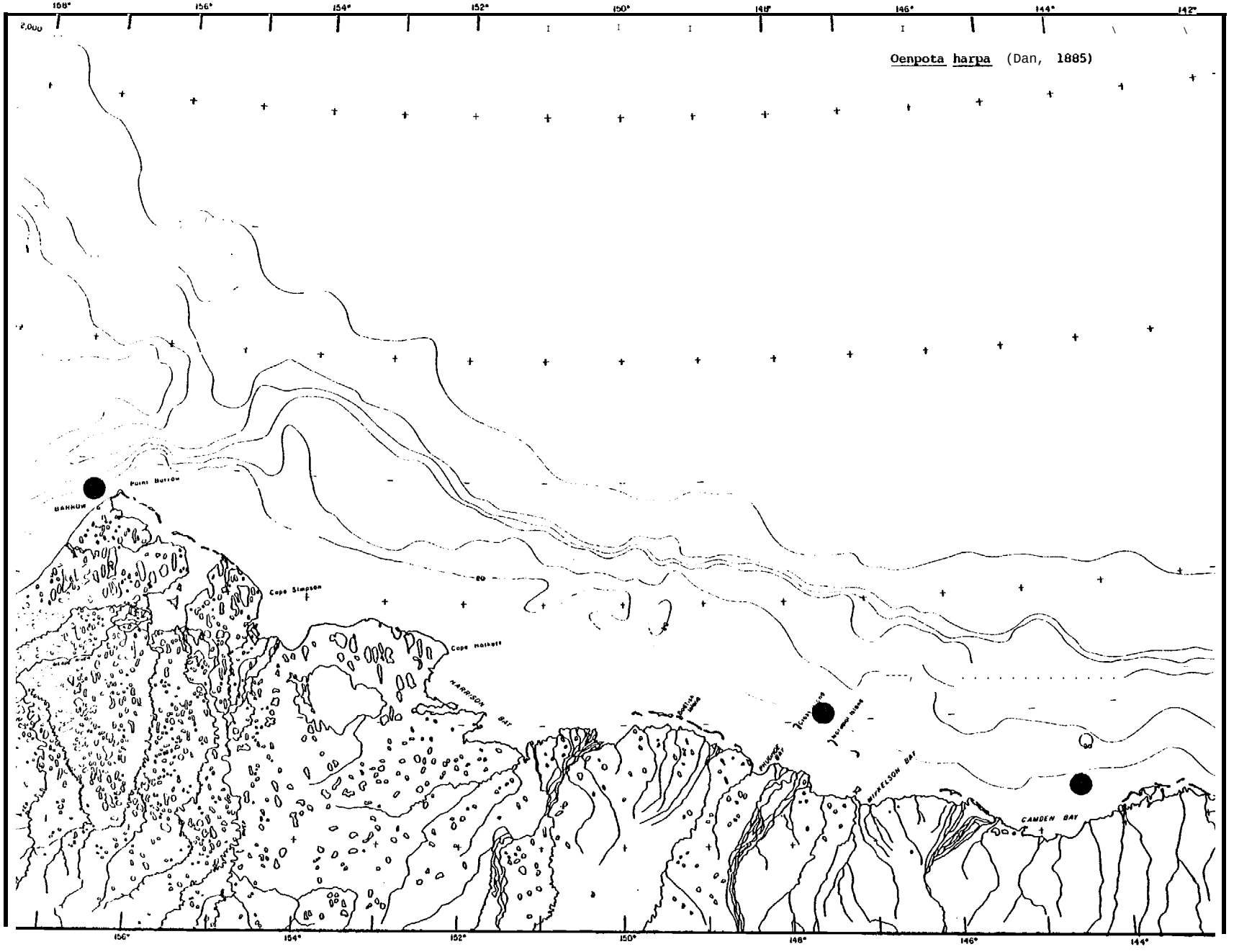


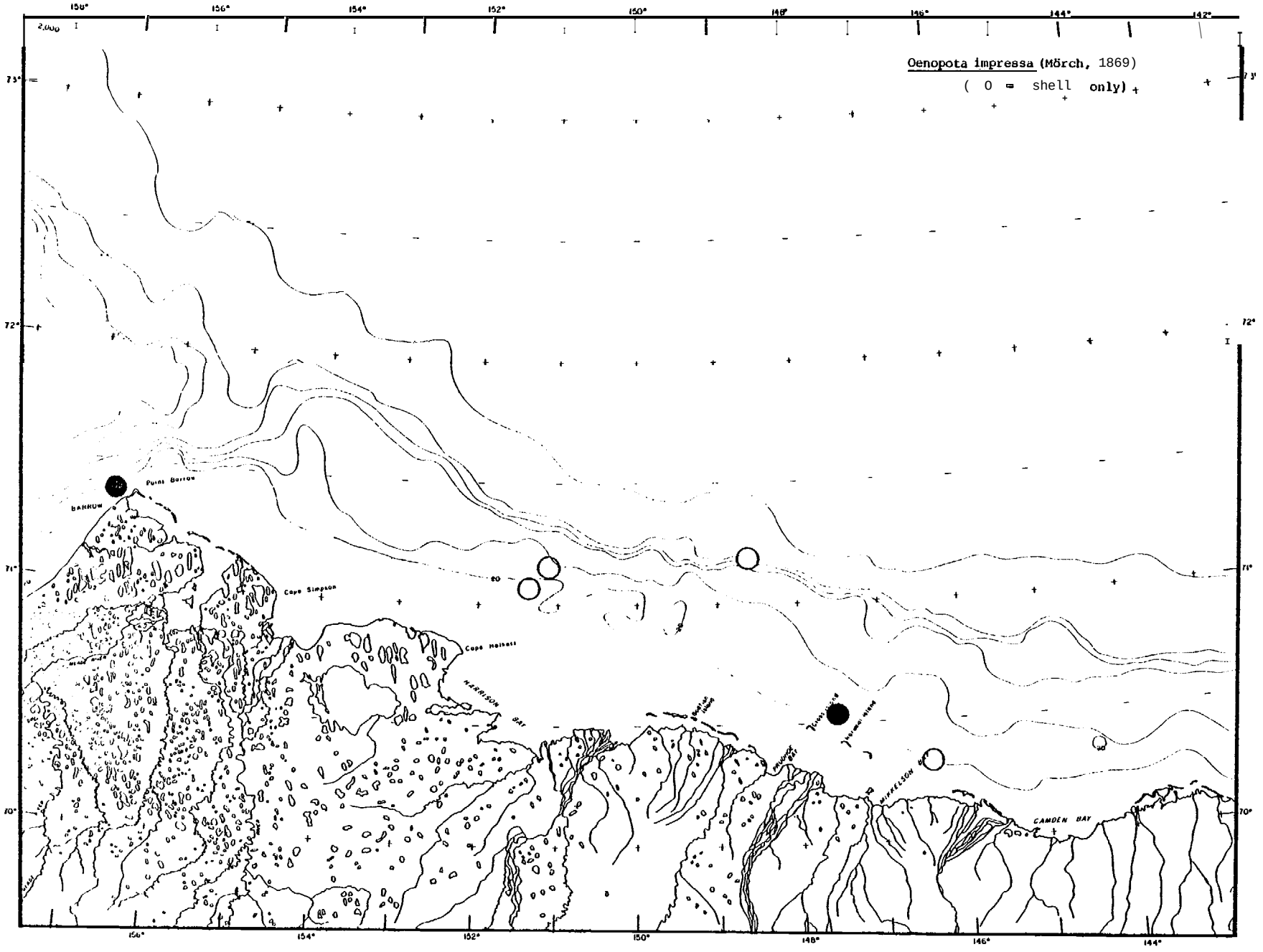
Oenopota arctica (Adams, 1855)

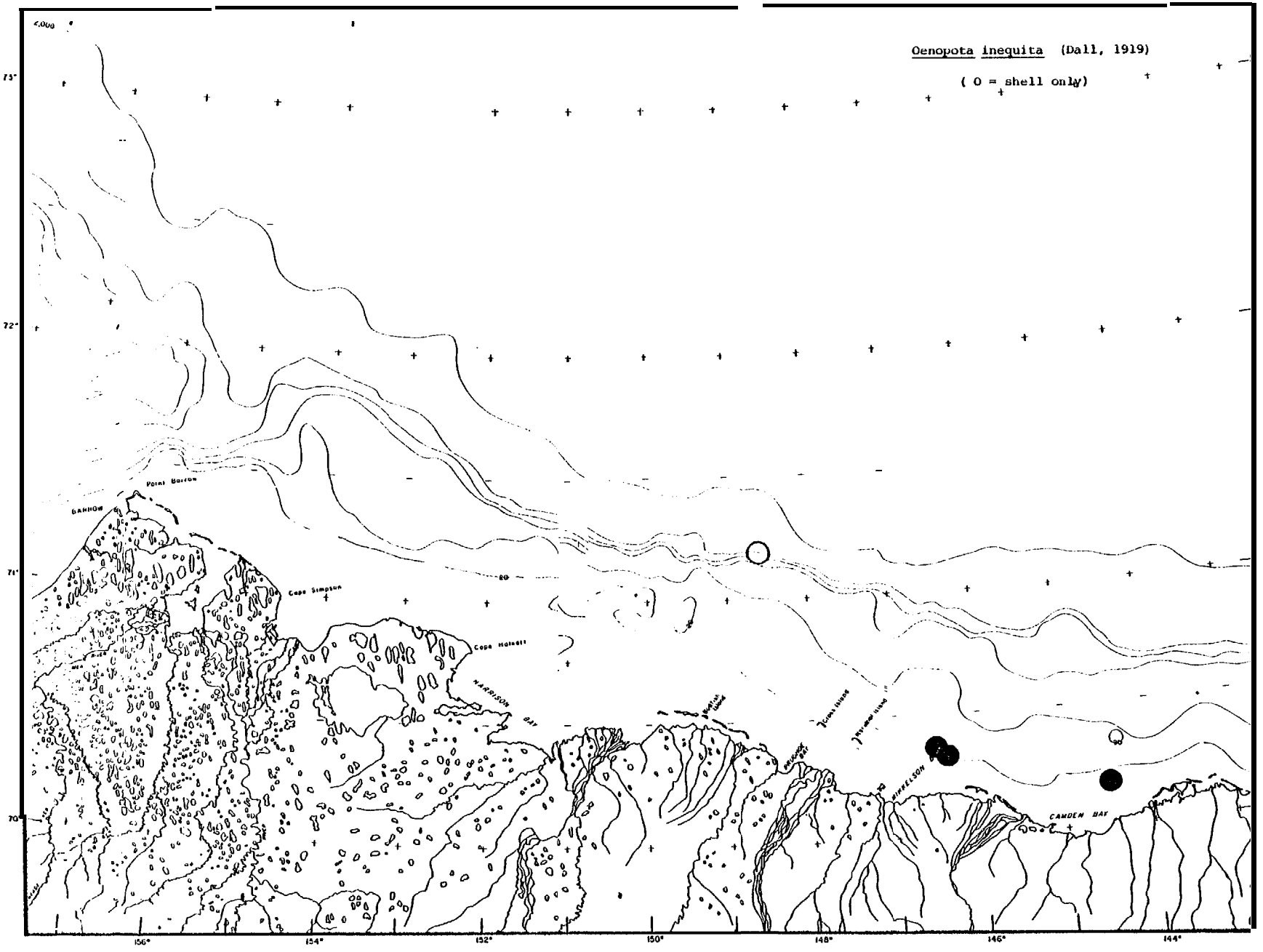

Oenopota bicarinata (Couthouy, 1838)
(O = shell only)
Point Barrow
BANROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
BIRKELSON
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

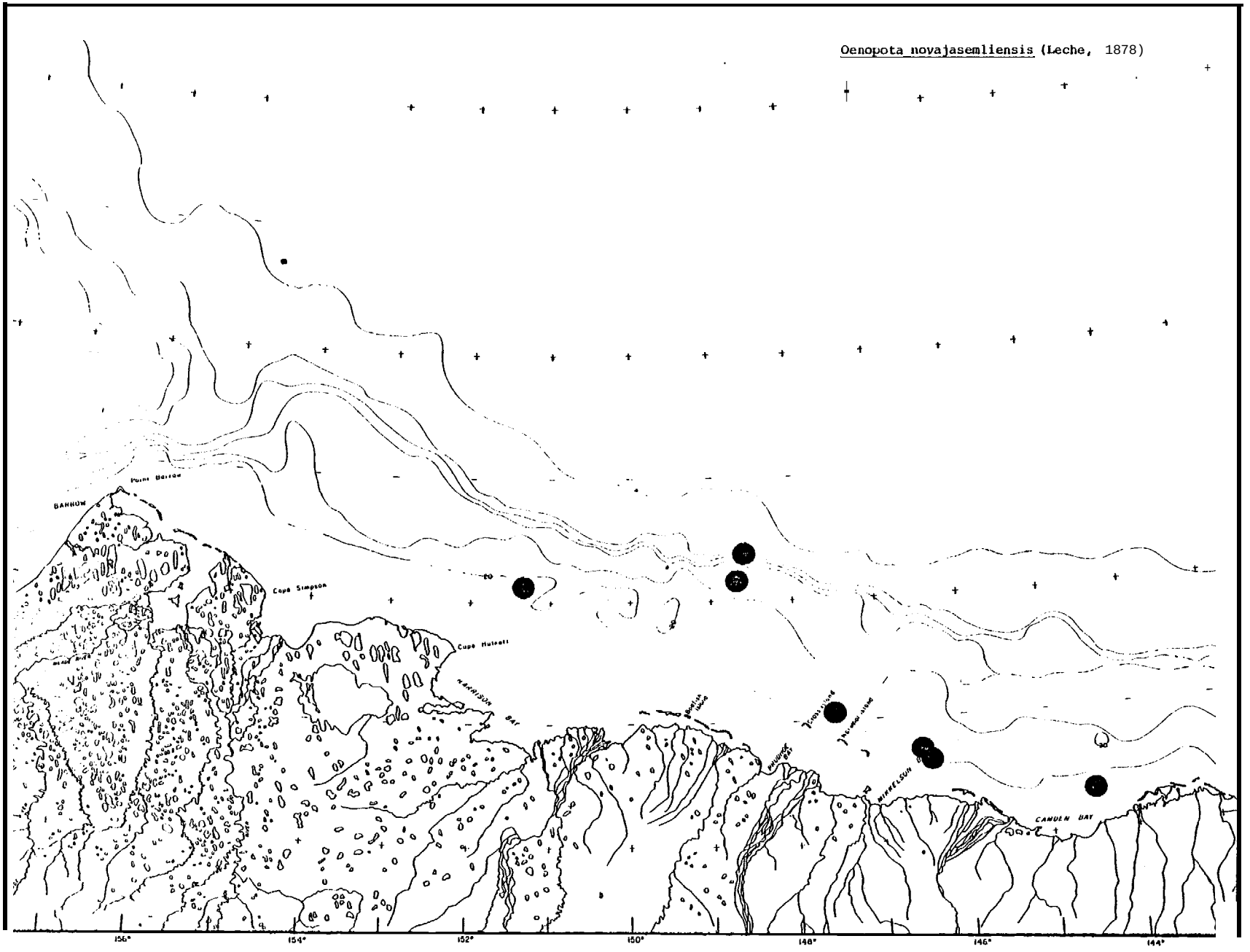

Oenopota decussata (Couthouy, 1839)
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY

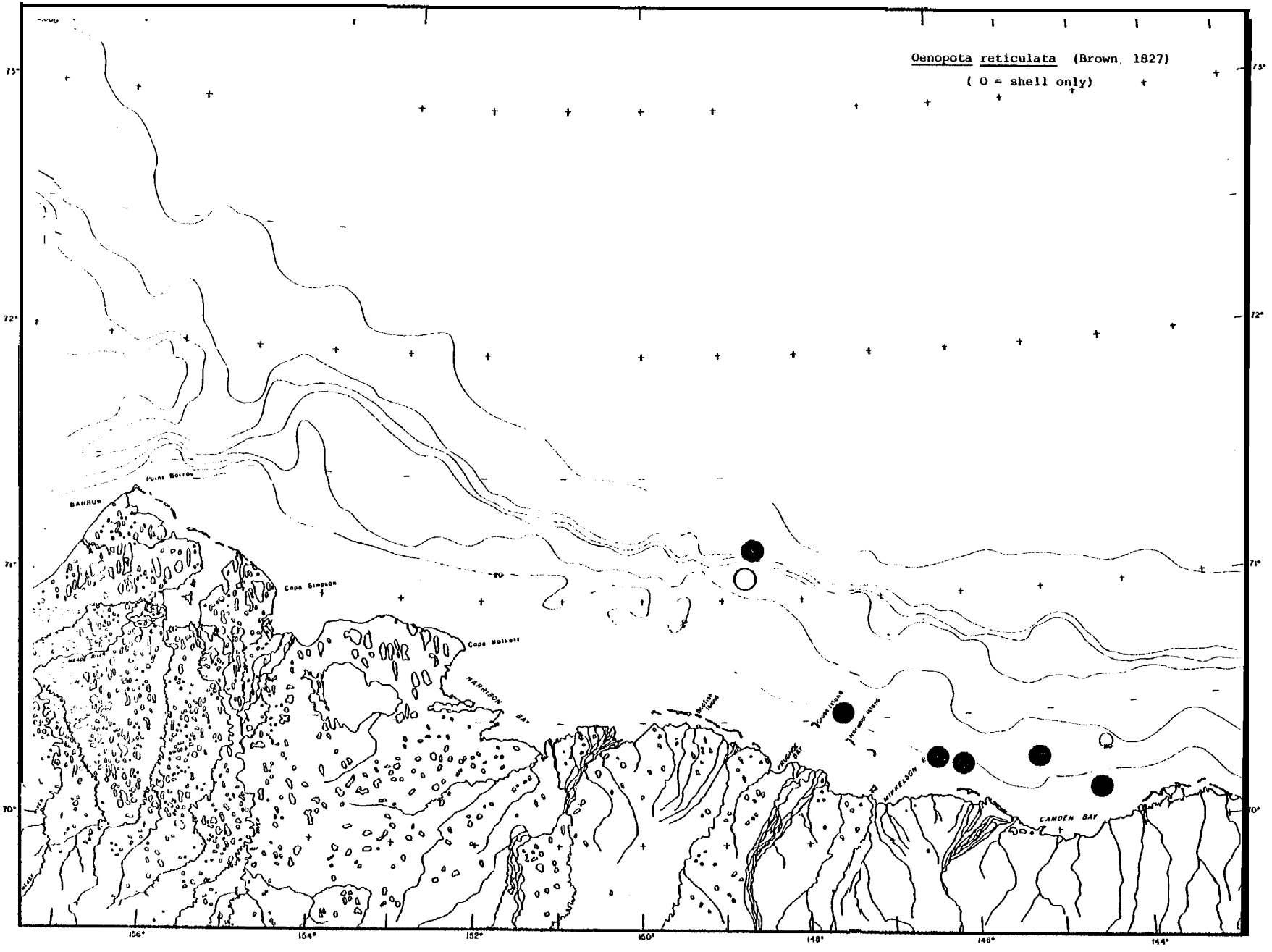

Oenopota elegans (Möller, 1842)
(O = shell only)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

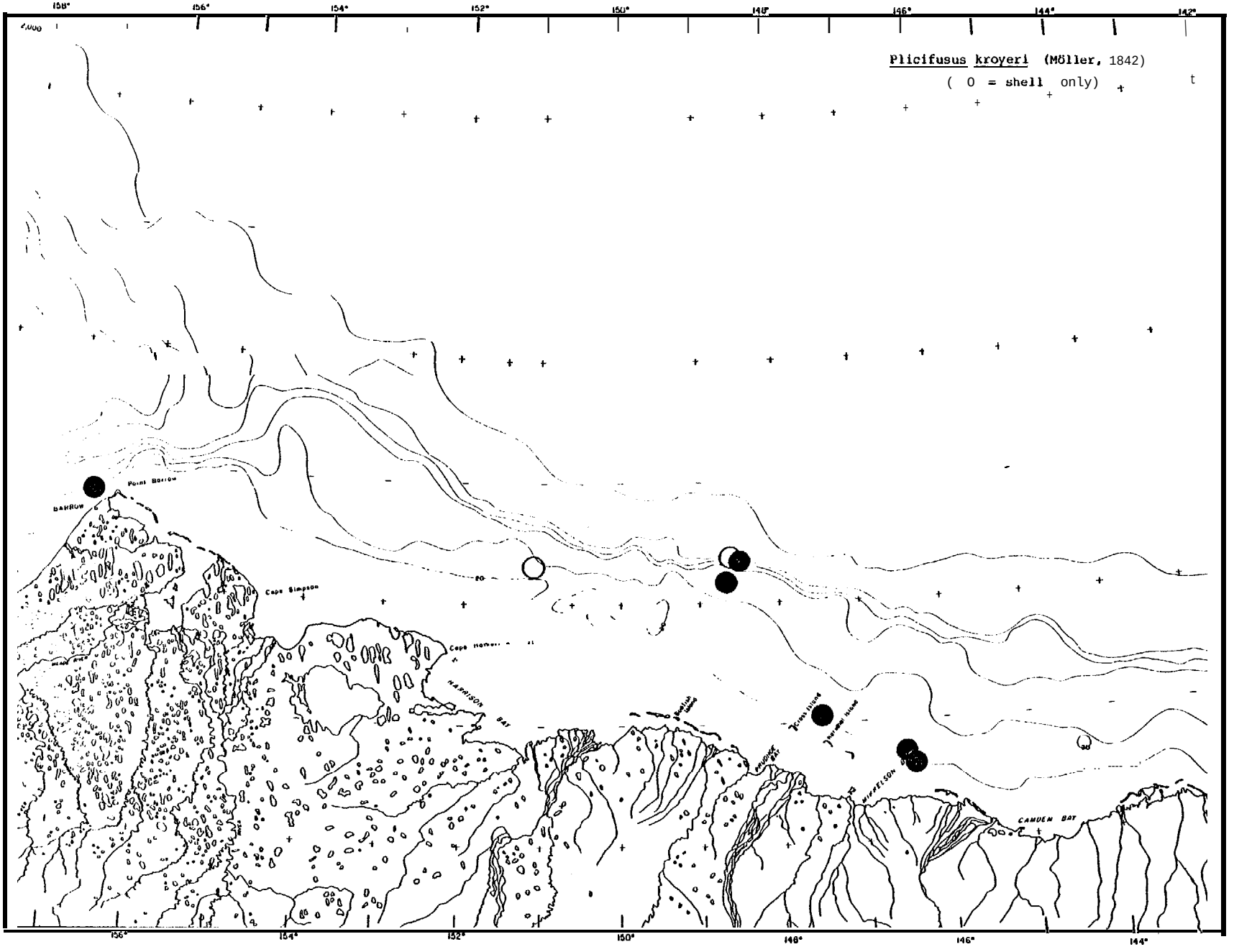

Oenpota harpa (Dan, 1885)
158°
156°
154°
152°
150°
148°
146°
144°
142°
2,000
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WIKKELSON BAY
CAMDEN BAY

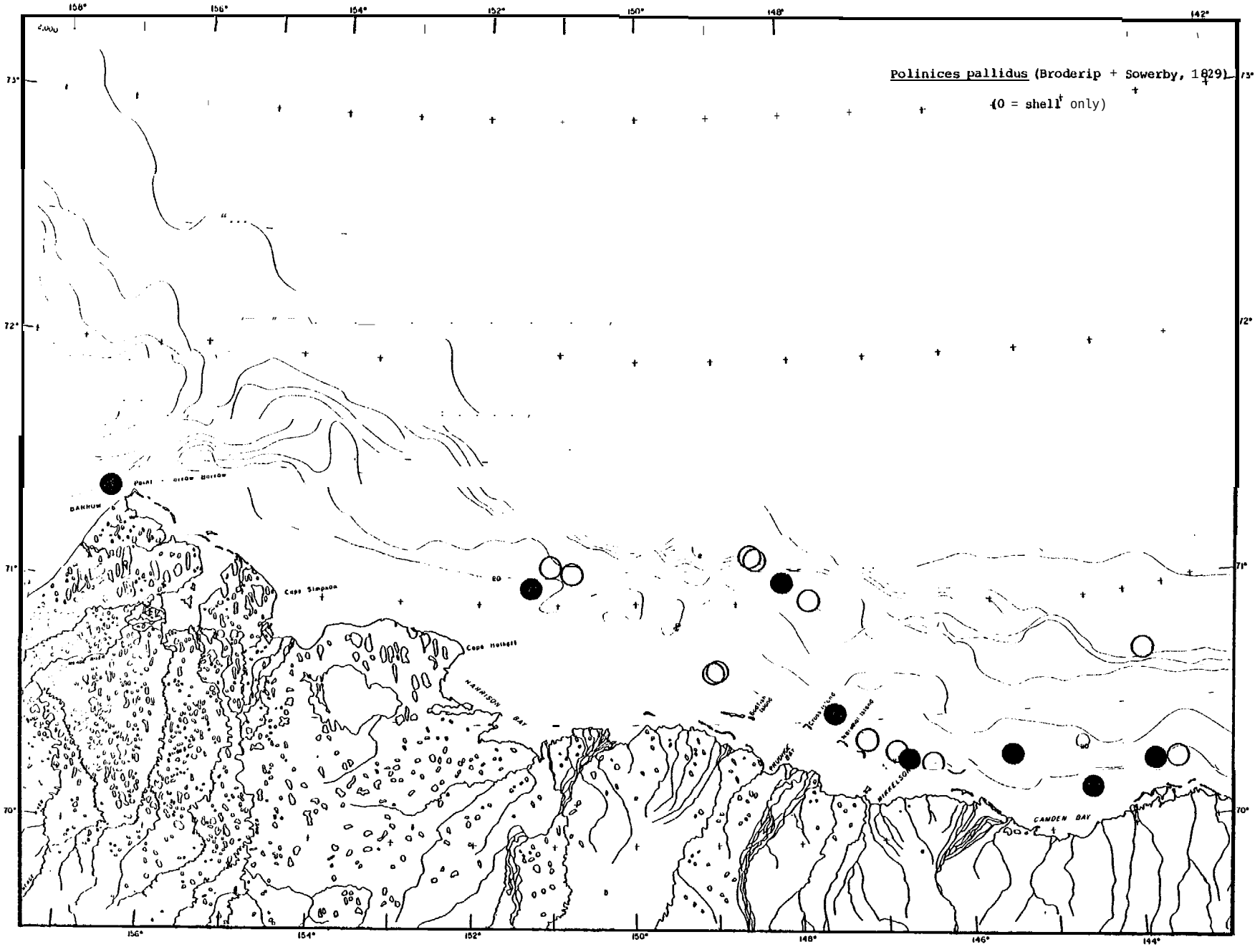

Oenopota impressa (Mörch, 1869)
(0 = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°

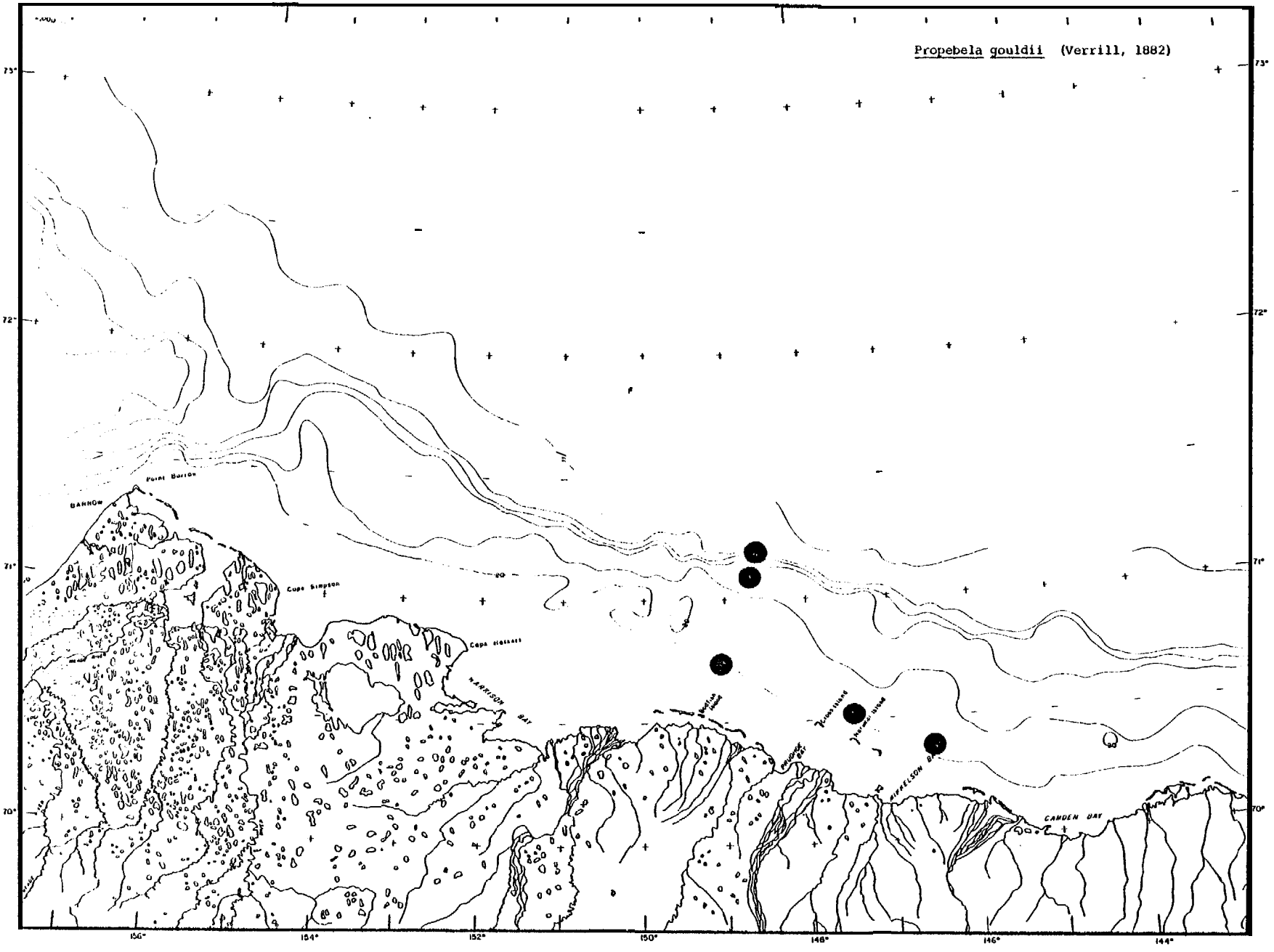

Oenopota inequita (Dall, 1919)
(O = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
Cross Island
Narwhal Island
MIKKELSON
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

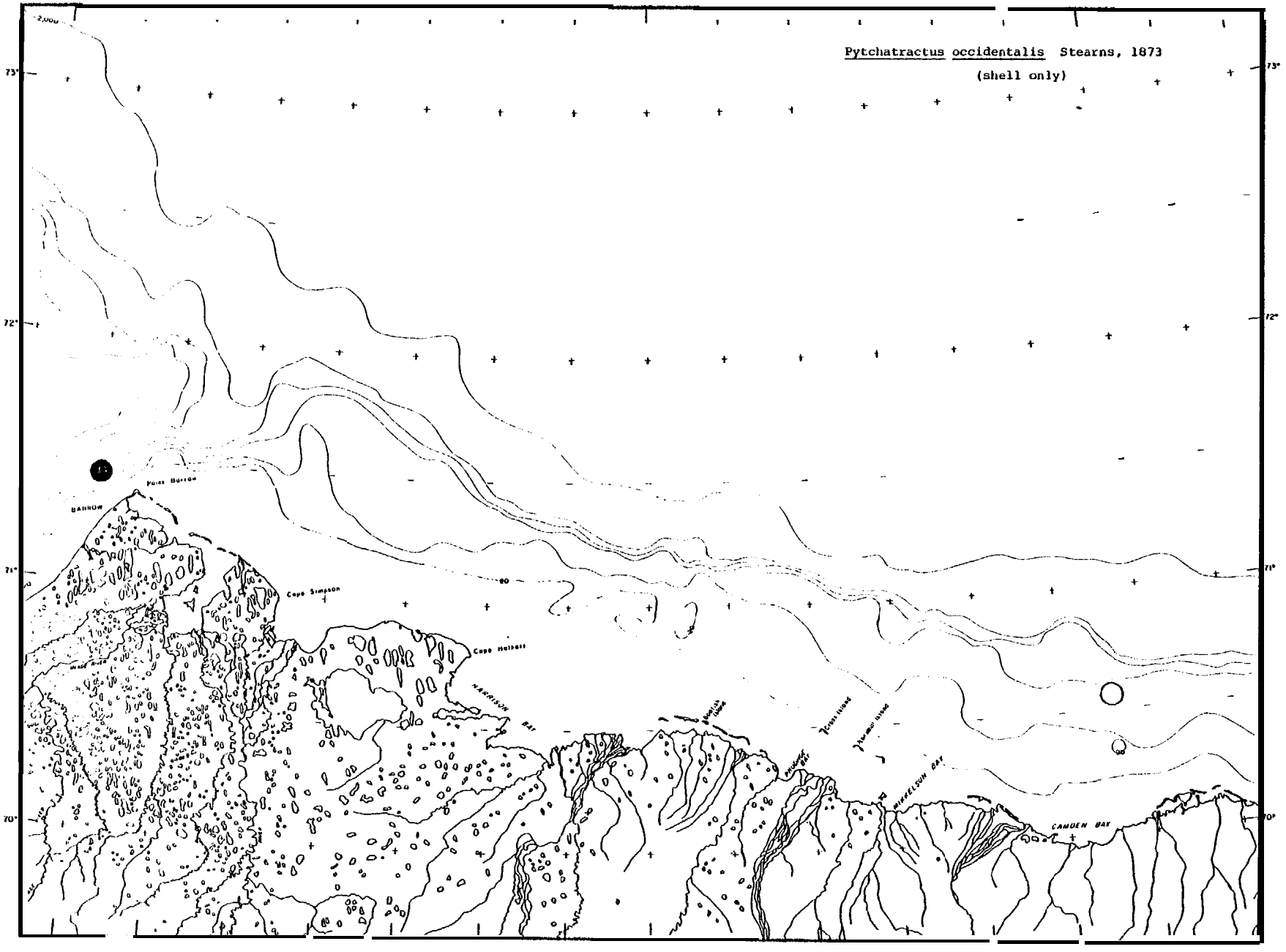

Oenopota novajasemliensis (Leche, 1878)
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

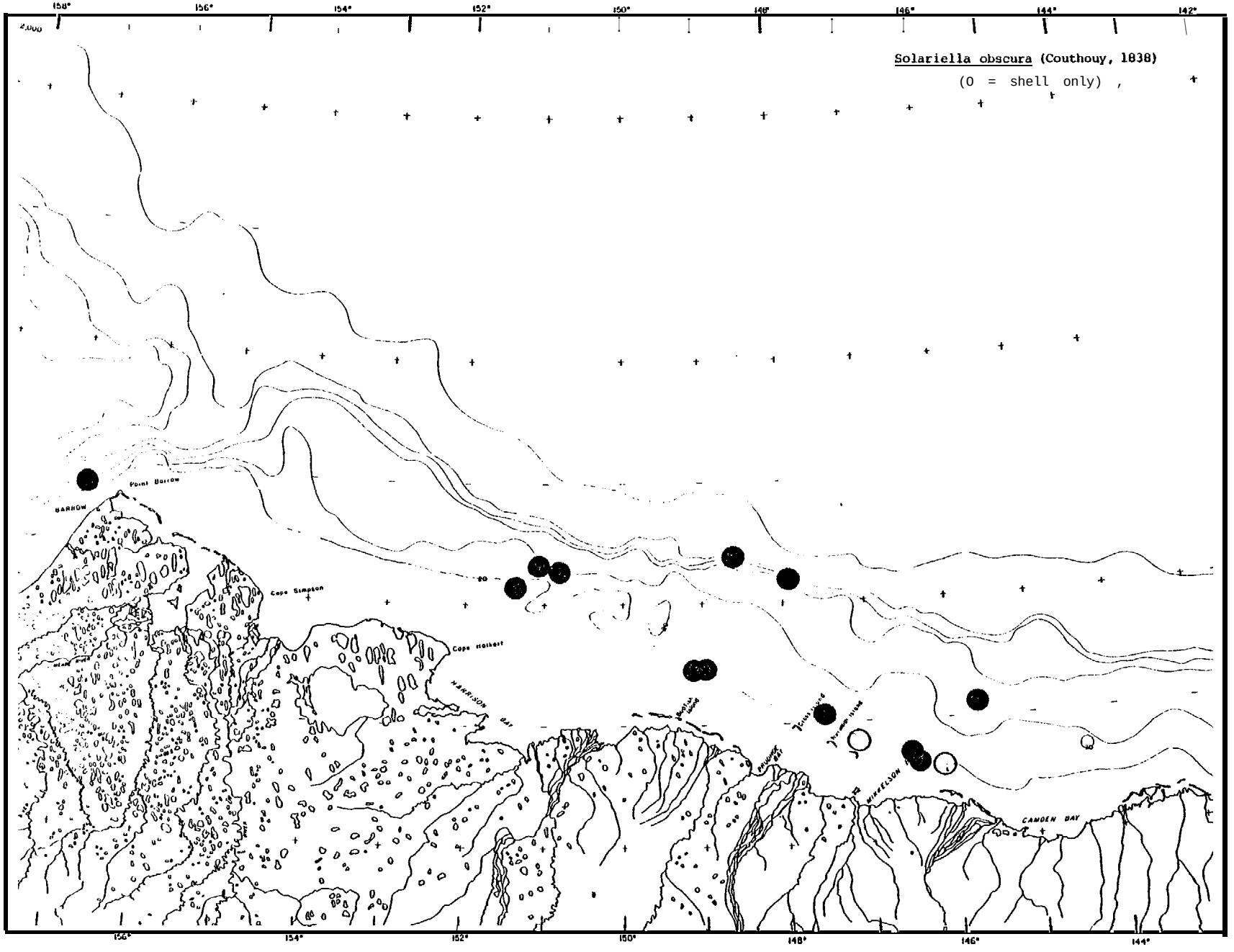

Oenopota reticulata (Brown, 1827)
(O = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

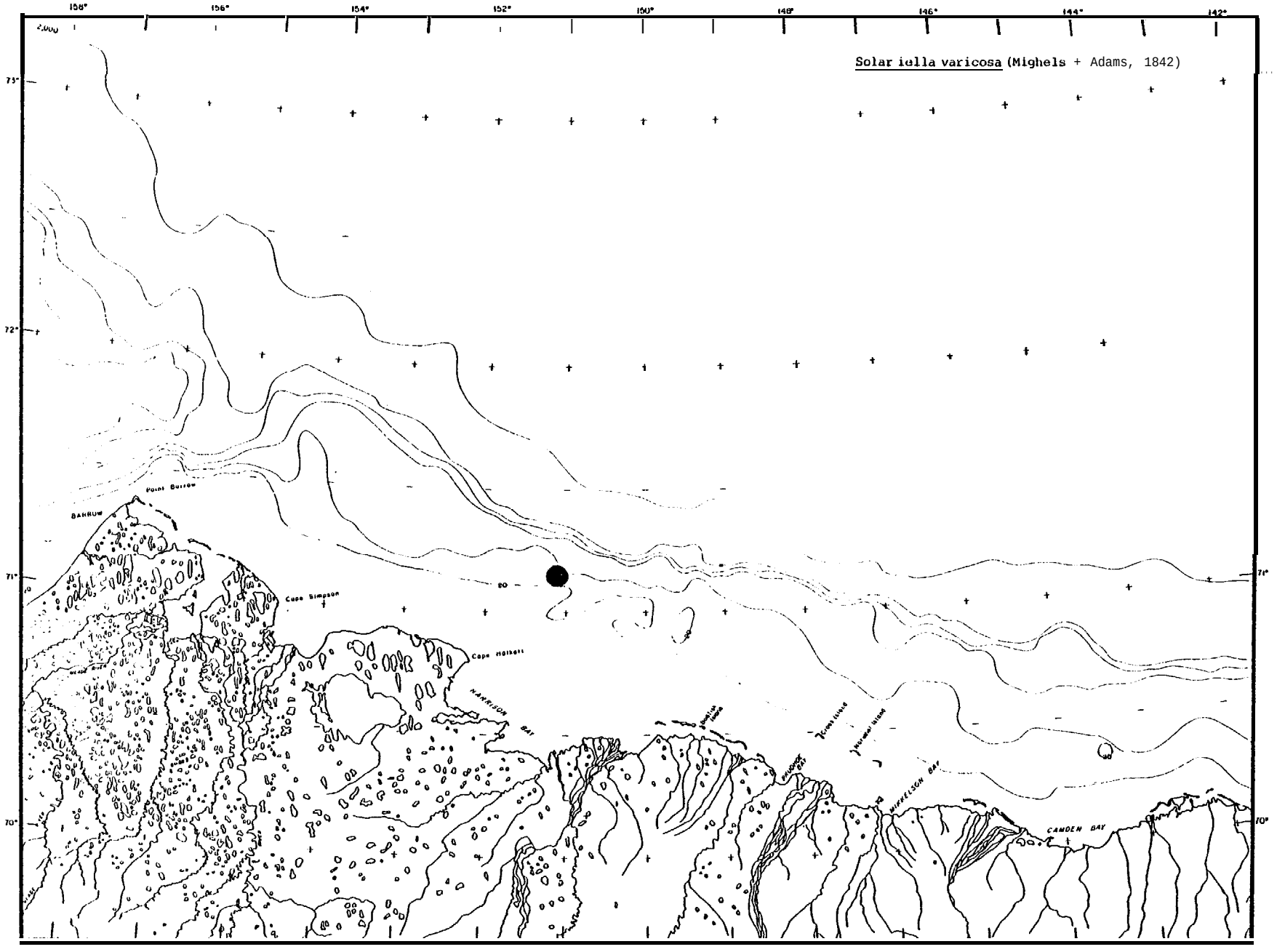

Plicifusus kroyeri (Möller, 1842)
(O = shell only)
Point Barrow
BARROW
Cape Simpson
HARRISON BAY
WIPPELSON
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

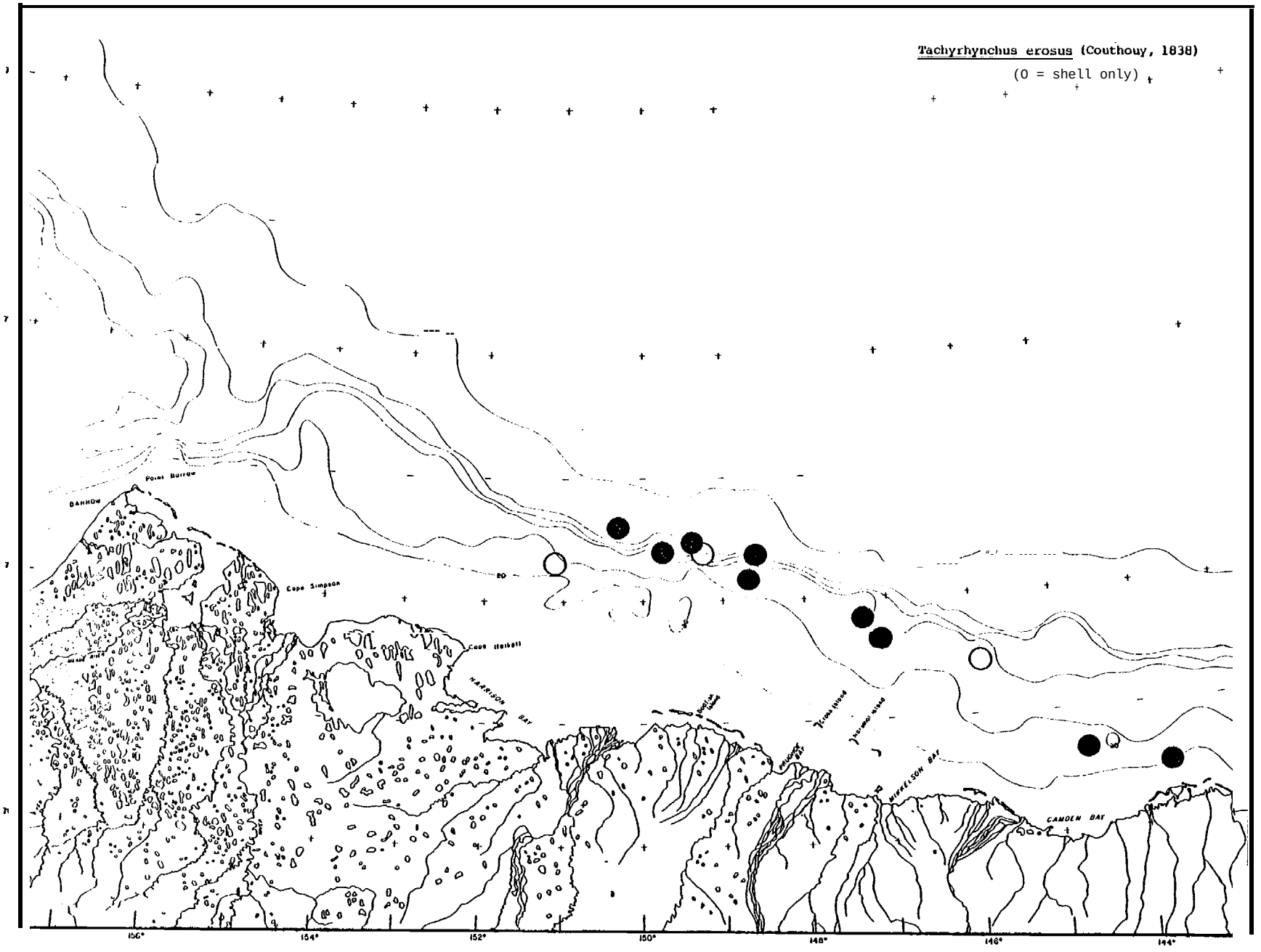

Polinices pallidus (Broderip + Sowerby, 1829)
(0 = shell only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Cross Island
Narwhal Island
MIKKELSON
CAMDEN BAY

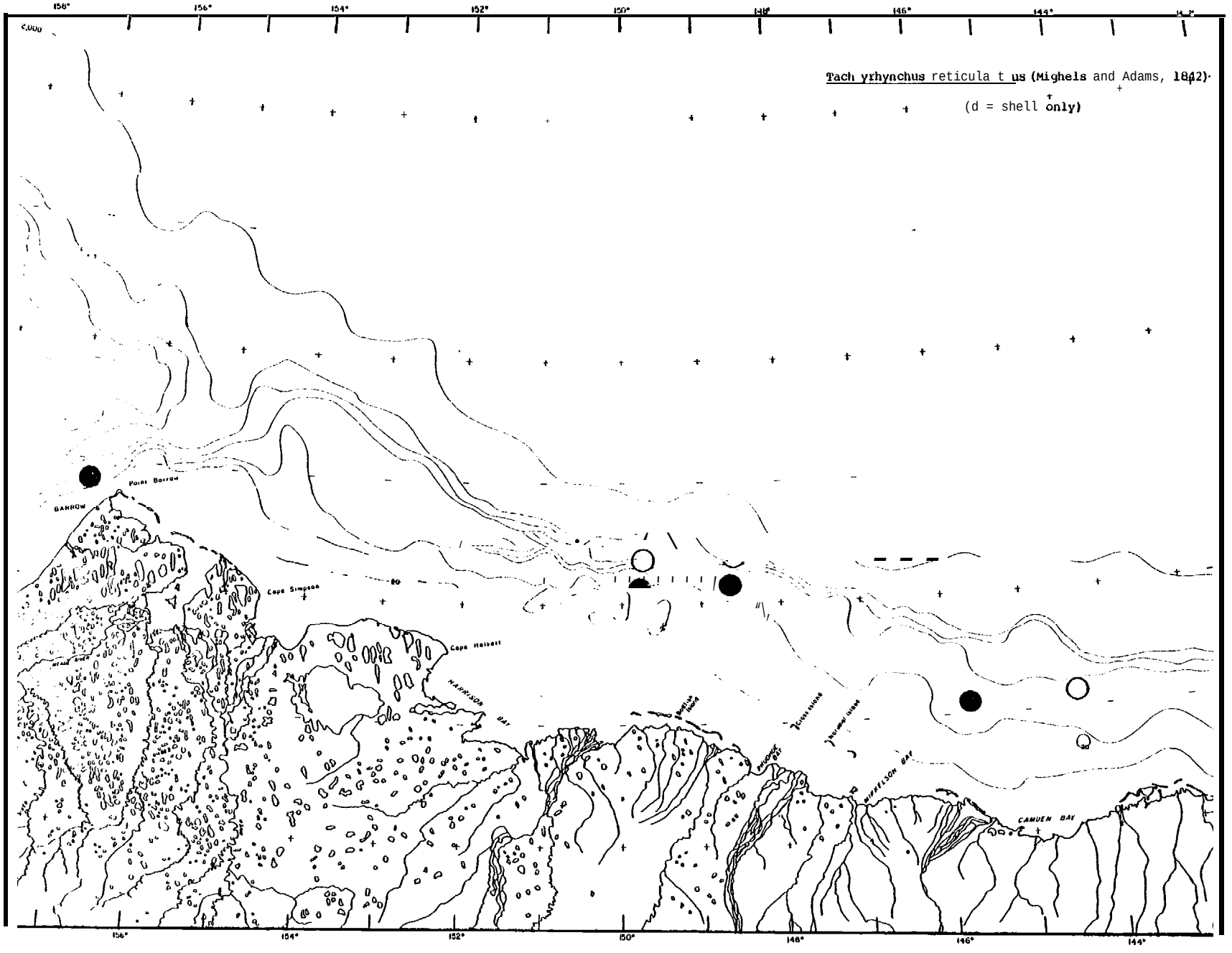

Propebela gouldii (Verrill, 1882)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
HERSCHELSON BAY
CAMDEN BAY

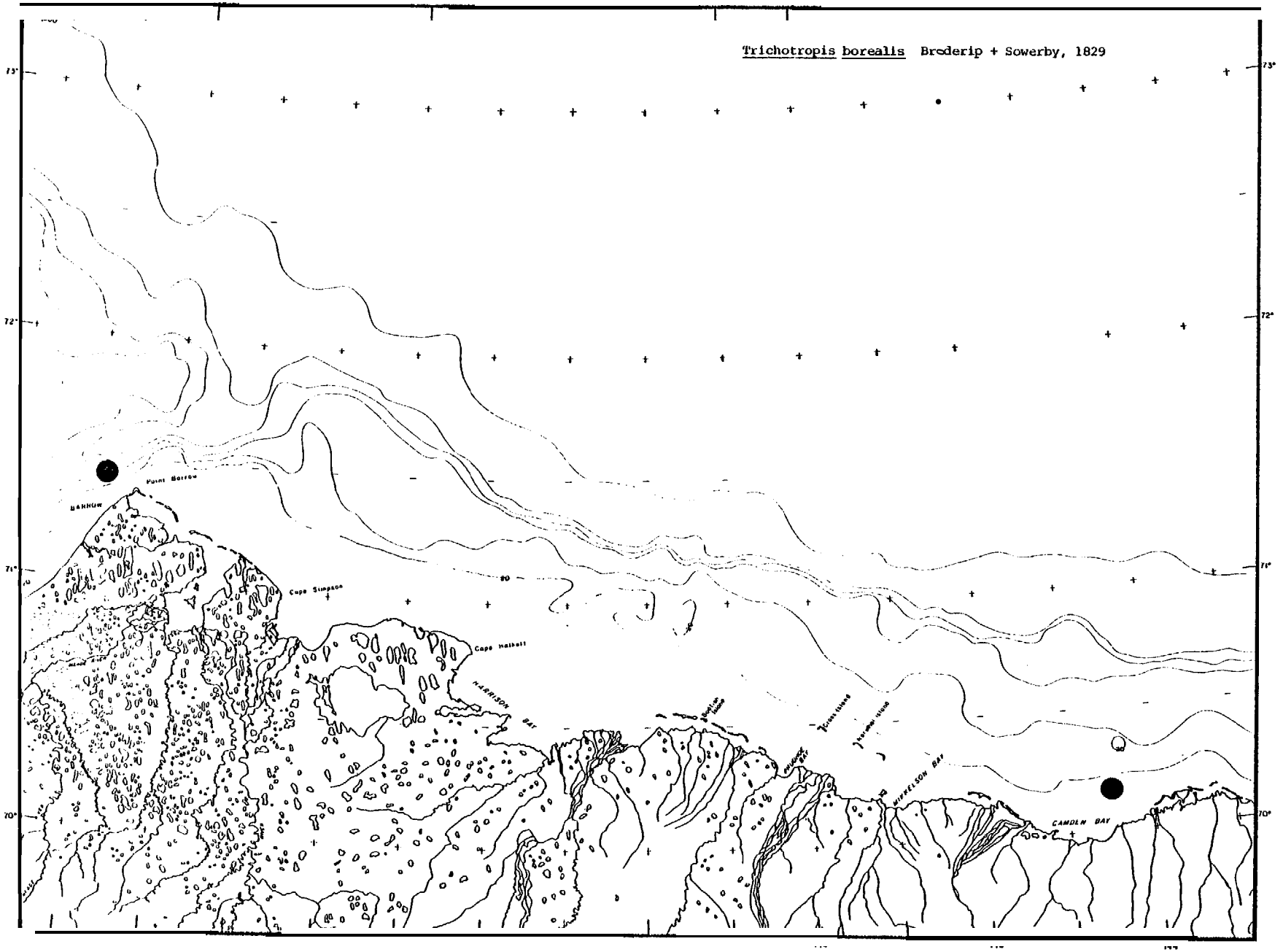

Pytchatractus occidentalis Stearns, 1873
(shell only)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

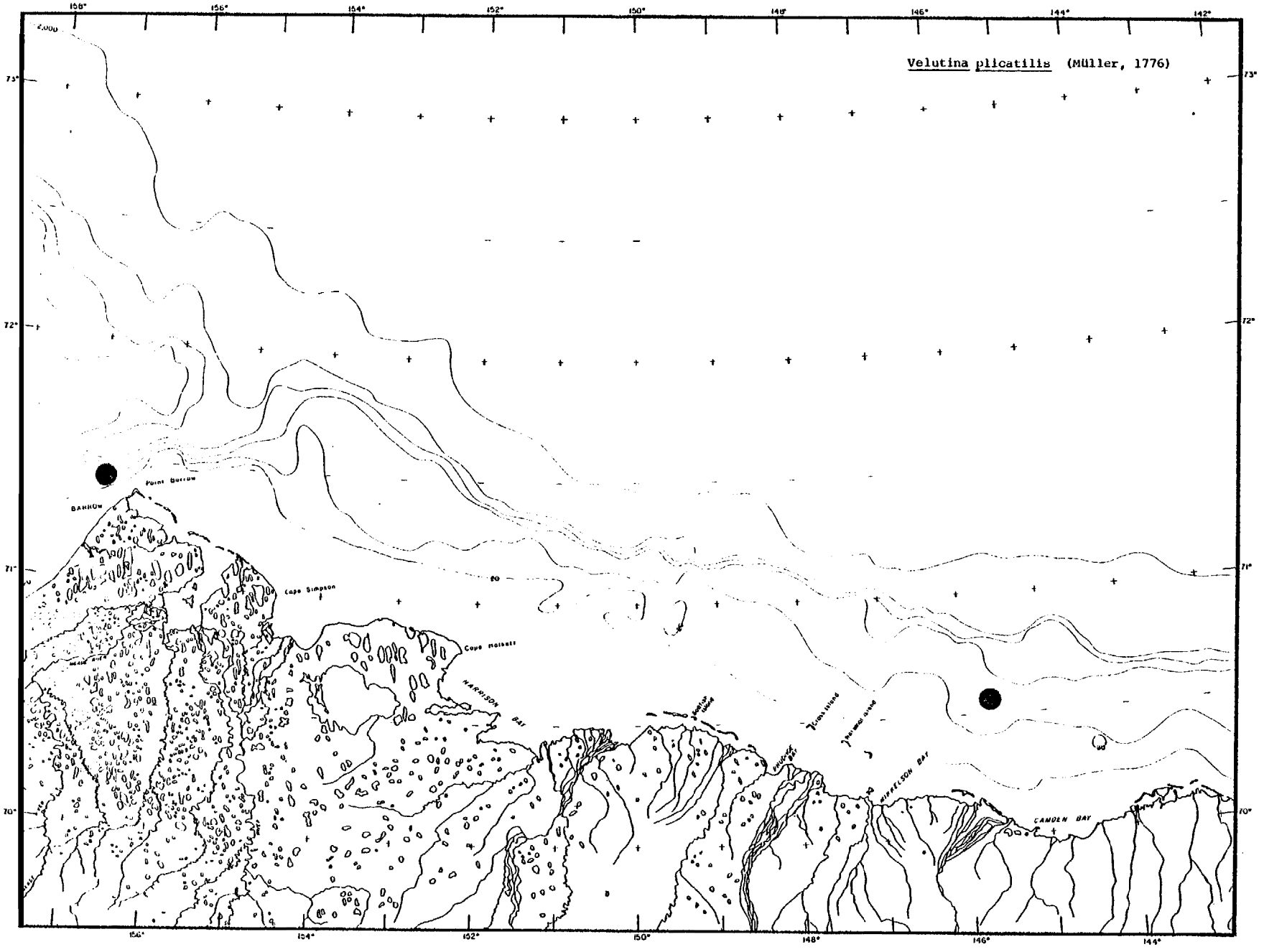

Solariella obscura (Couthouy, 1838)
(O = shell only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
2,000
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON
CAMDEN BAY

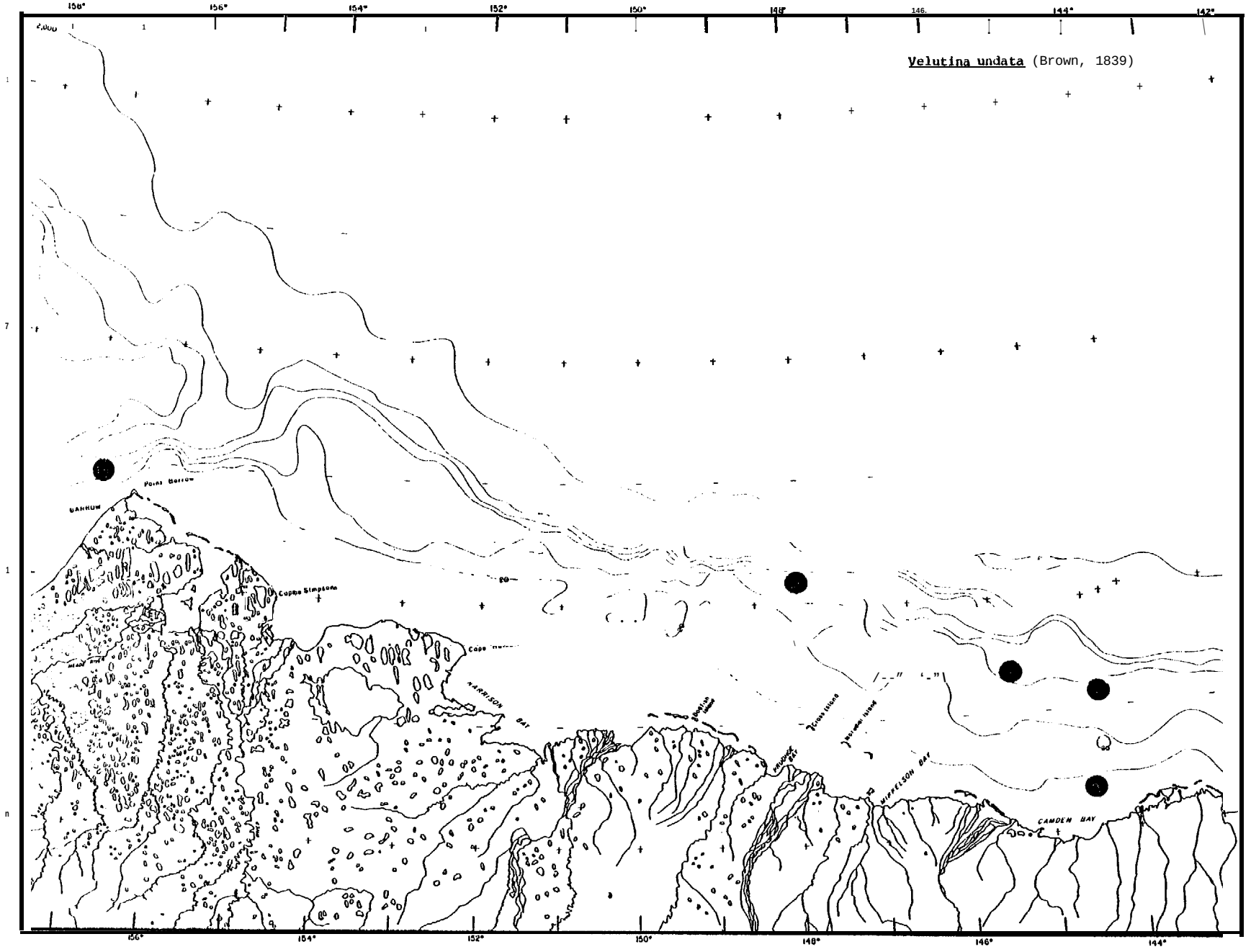

Solar iella varicosa (Mighels + Adams, 1842)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

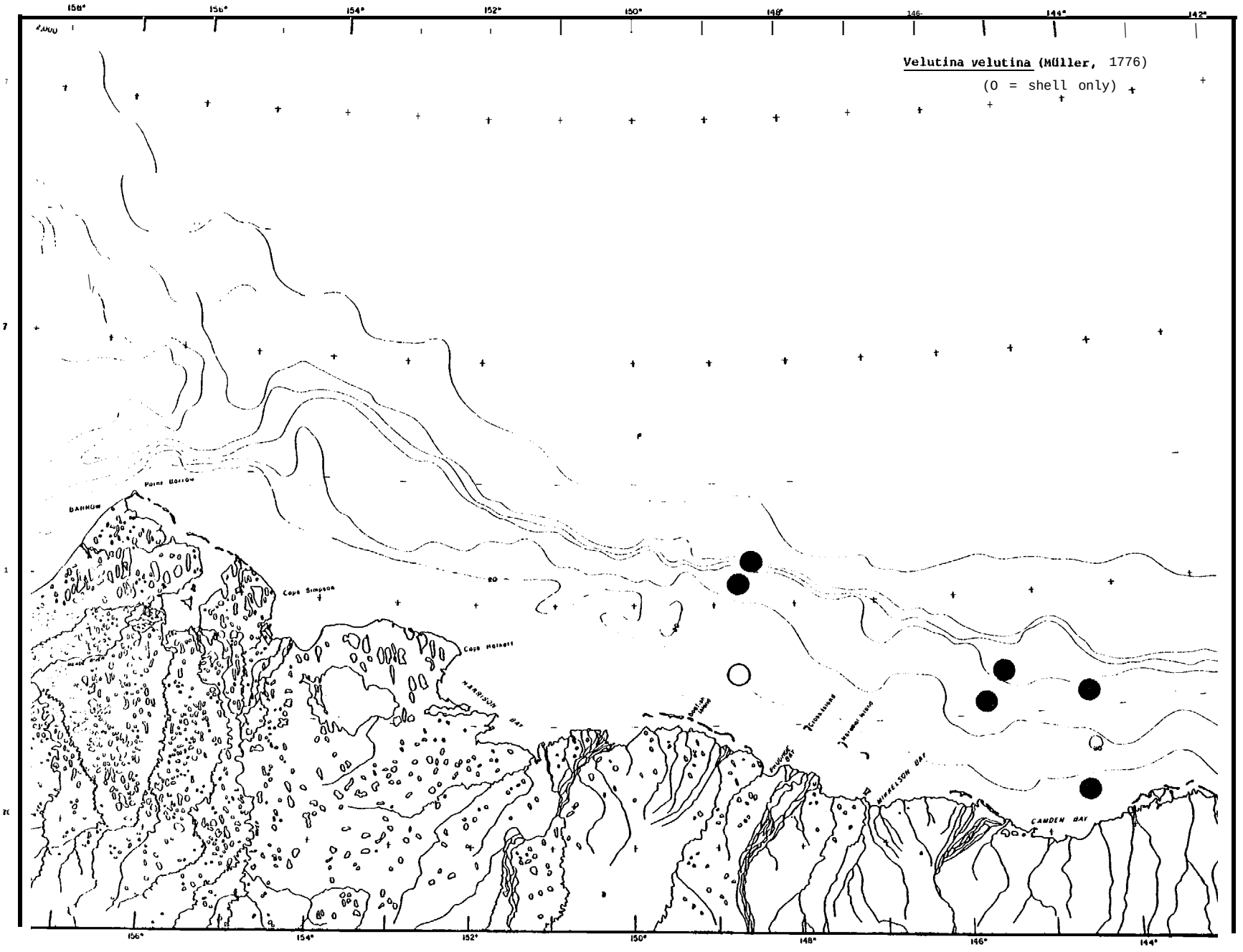

Tachyrhynchus erosus (Couthouy, 1838)
(O = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

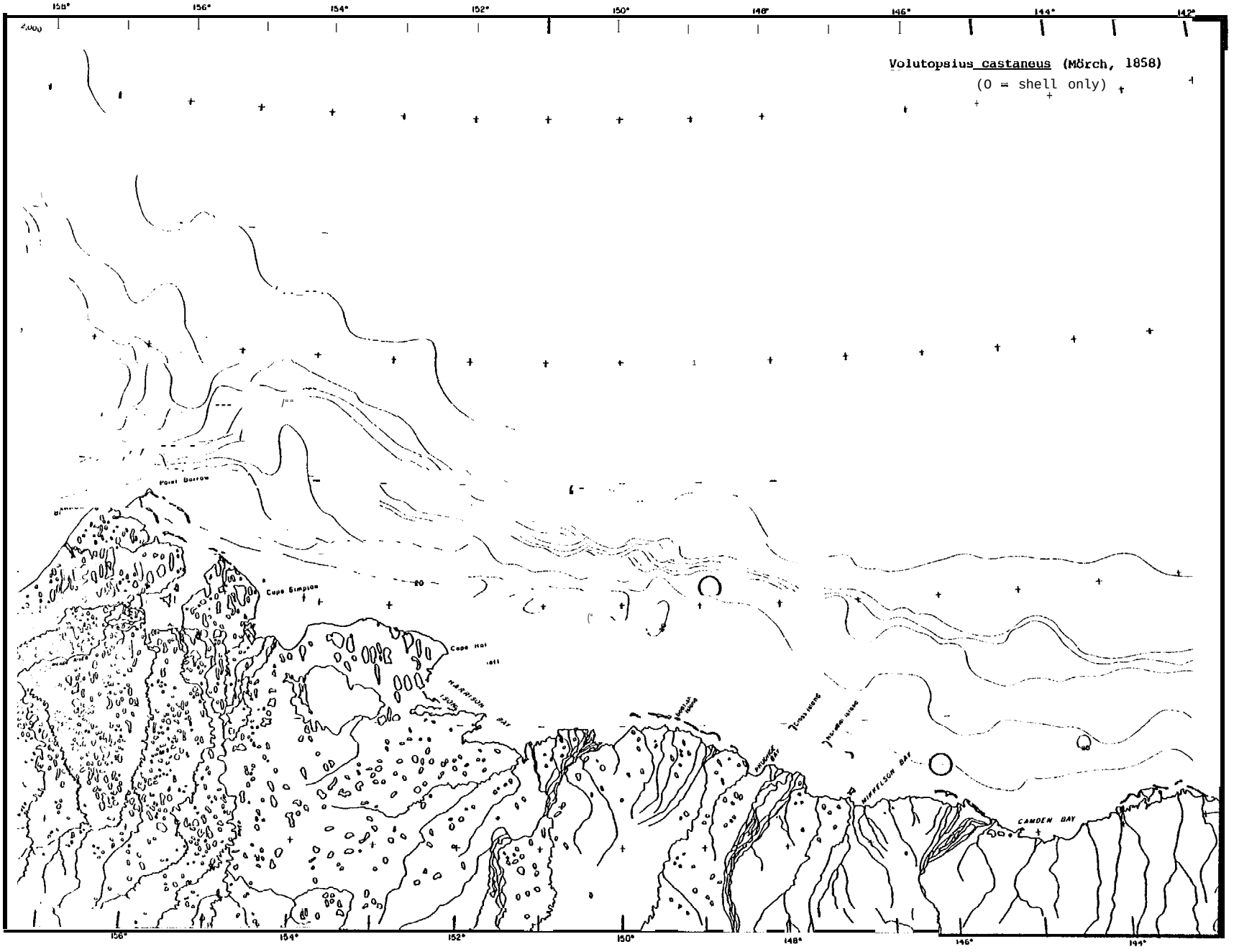

156°
154°
152°
150°
148°
146°
144°
Tachyrhynchus reticulatus (Mighels and Adams, 1842).
(d = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WIPPELSON BAY
CAMDEN BAY

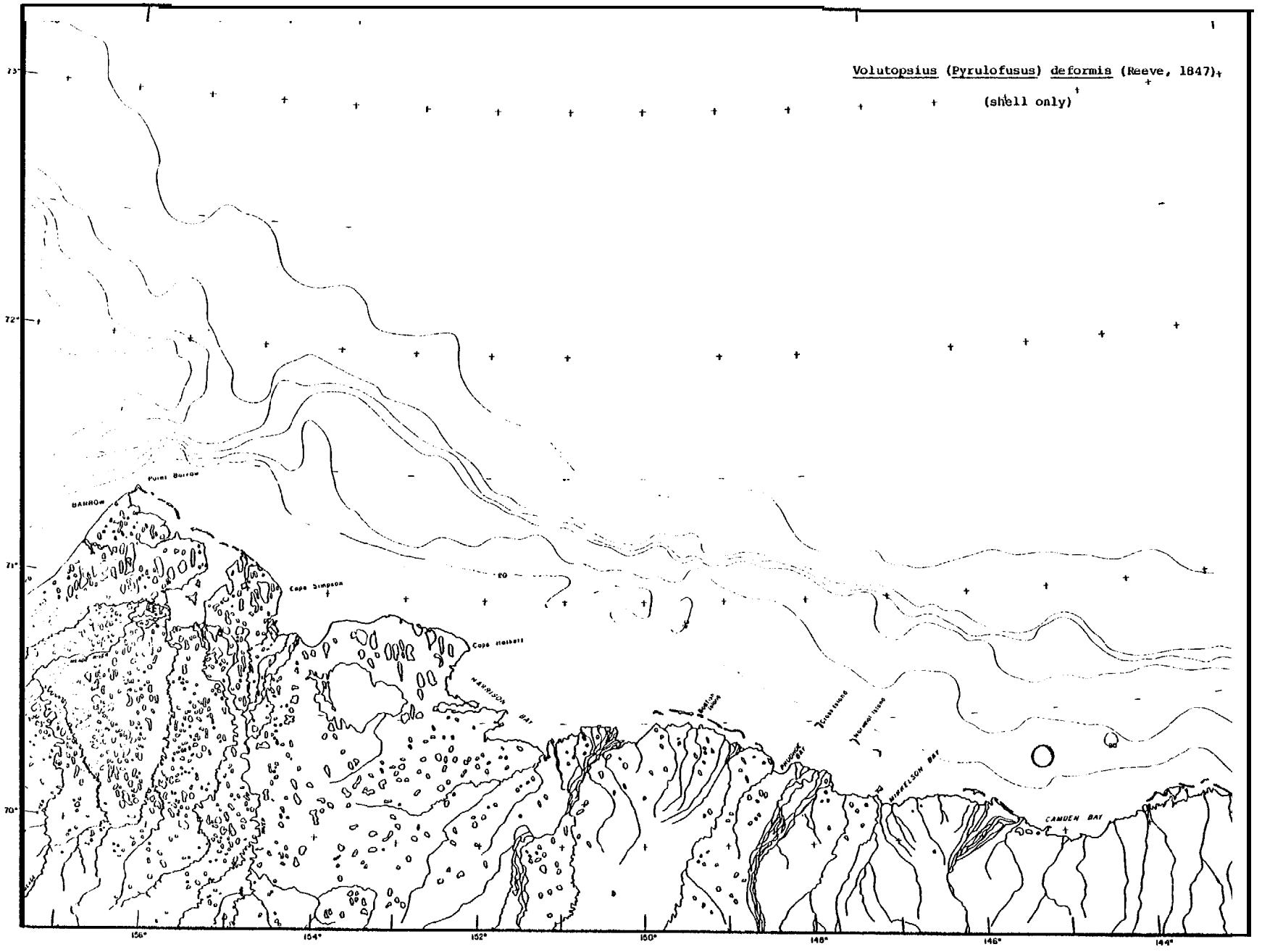

Trichotropis borealis Broderip + Sowerby, 1829
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
90


Velutina plicatilis (Müller, 1776)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Cross Island
Narwhal Island
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°


Velutina undata (Brown, 1839)
Point Barrow
BARROW
Cape Simpson
HARRISON BAY
PRUDHOE BAY
MIFFELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°
142°

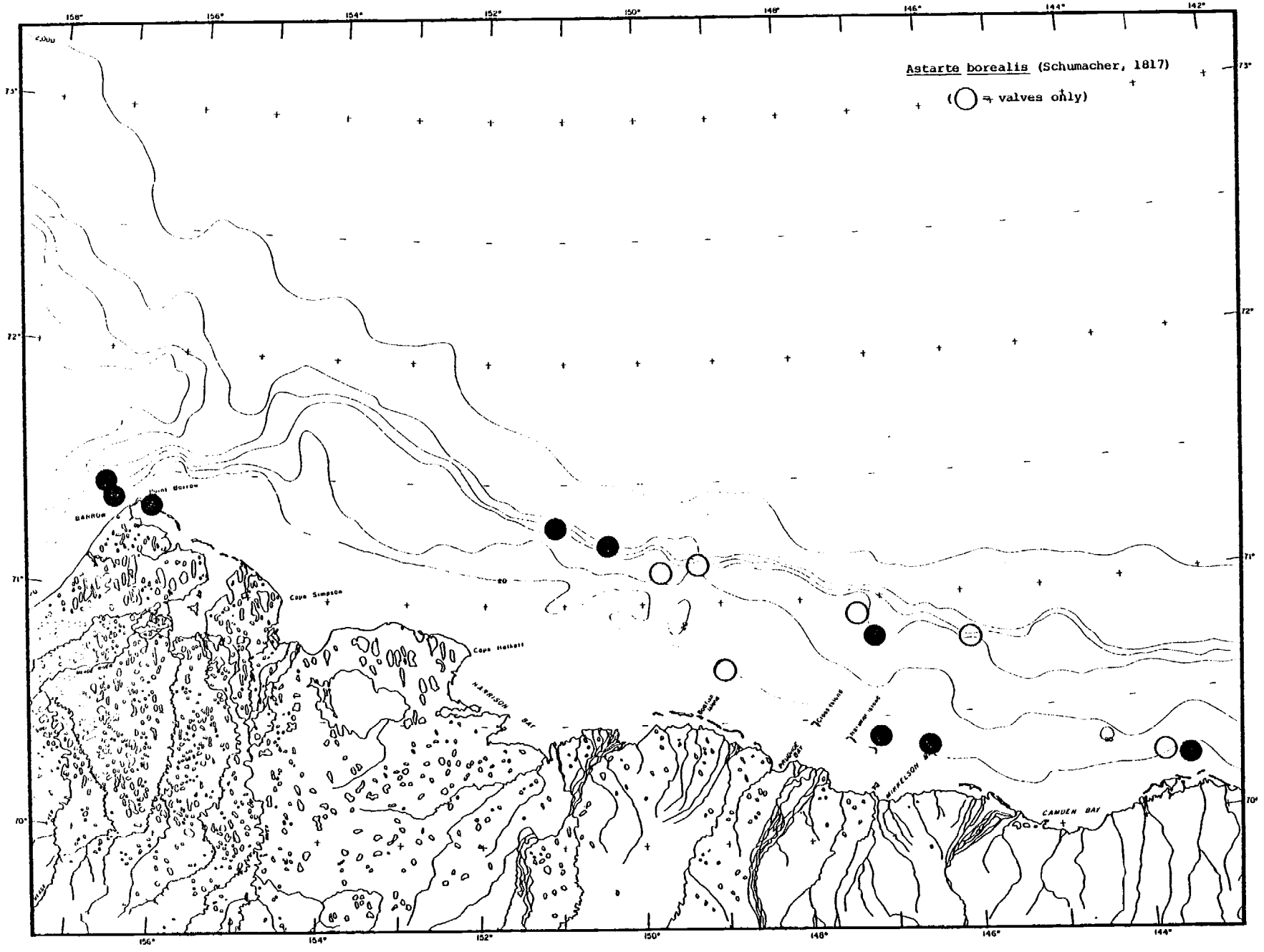

Velutina velutina (Müller, 1776)
(O = shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°

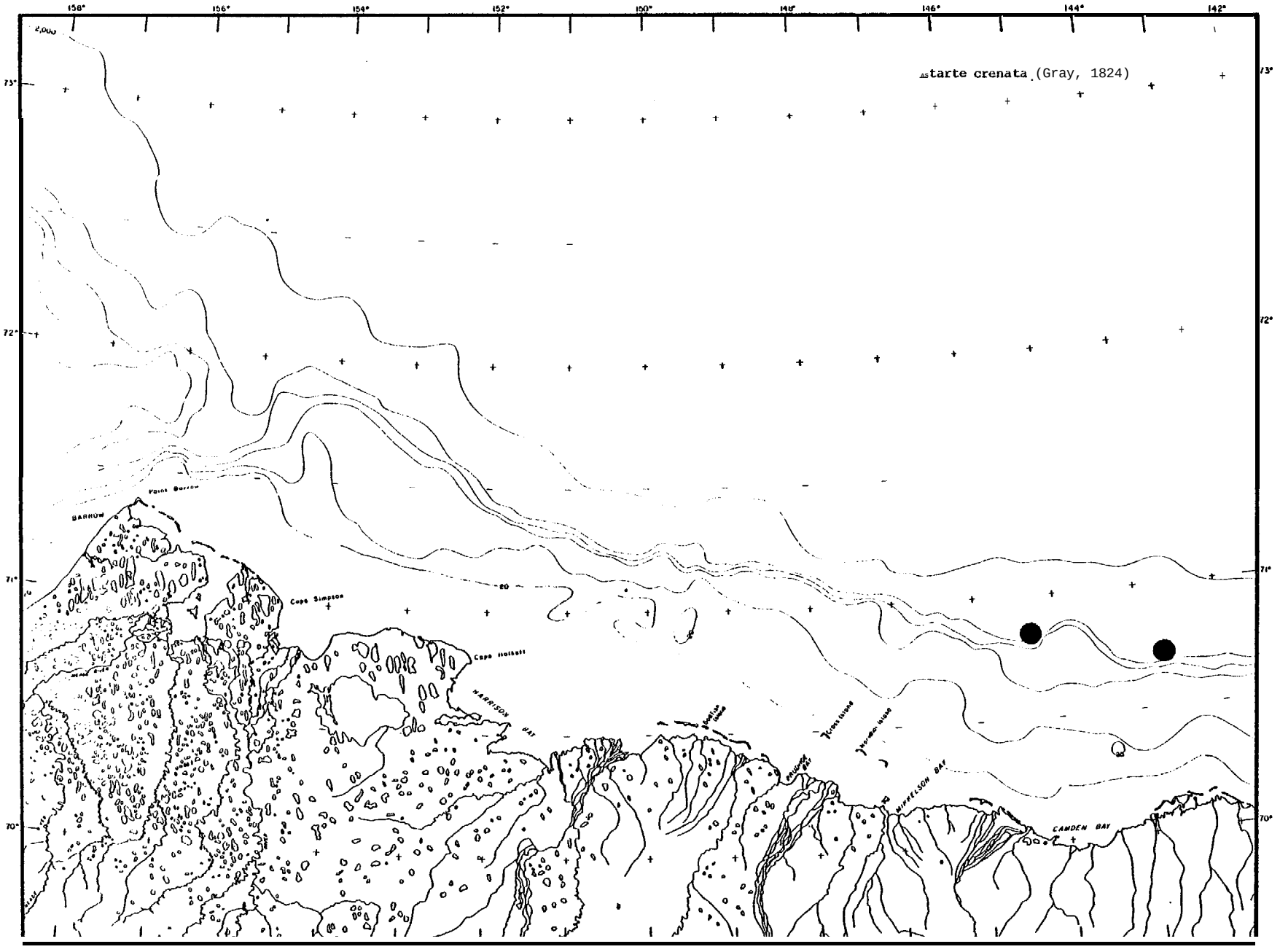

Volutopsius castaneus (Mörch, 1858)
(O = shell only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
2000
Point Barrow
Cape Simpson
Cape Hal
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

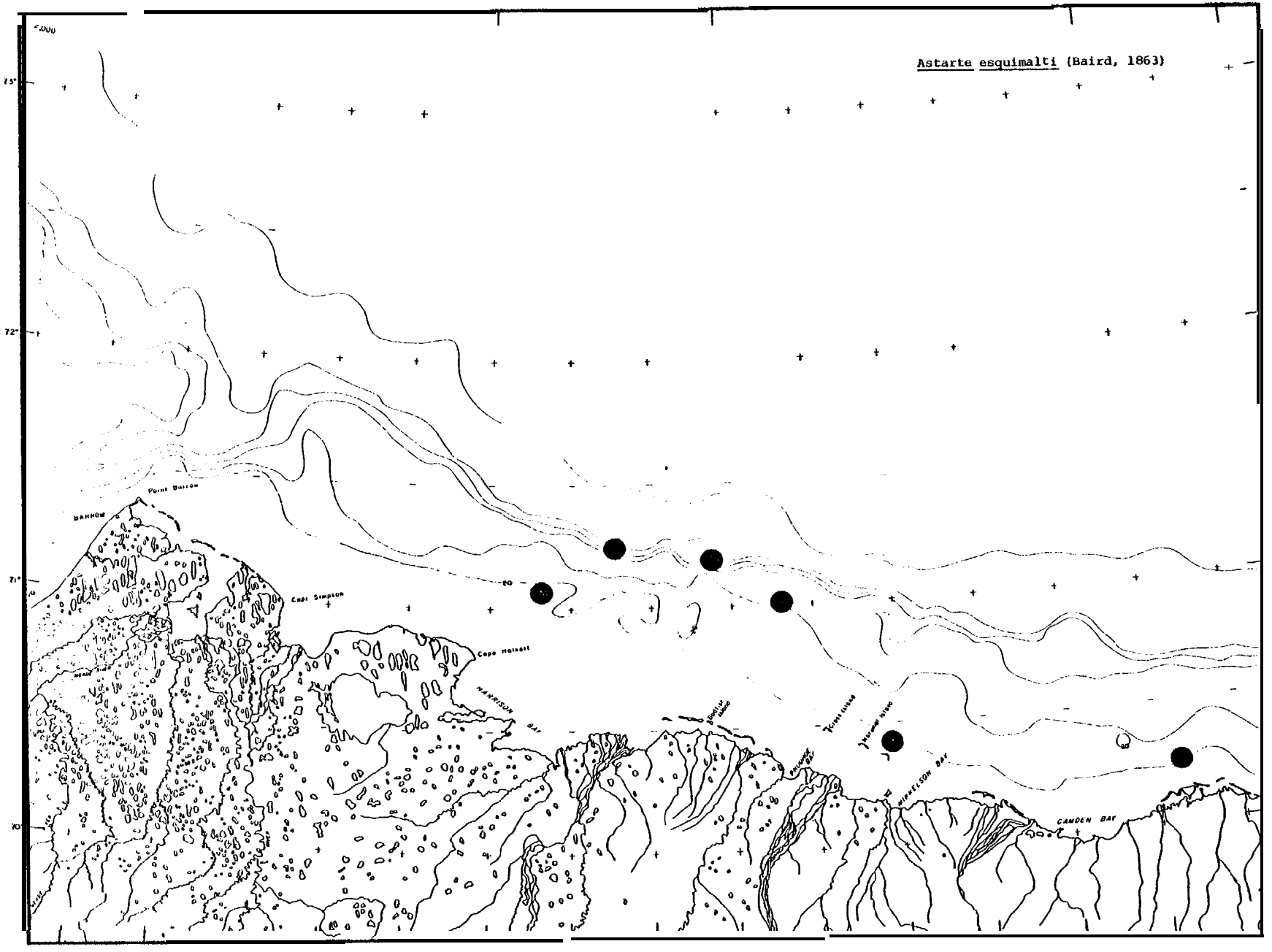

Volutopsius (Pyrulofusus) deformis (Reeve, 1847)
(shell only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

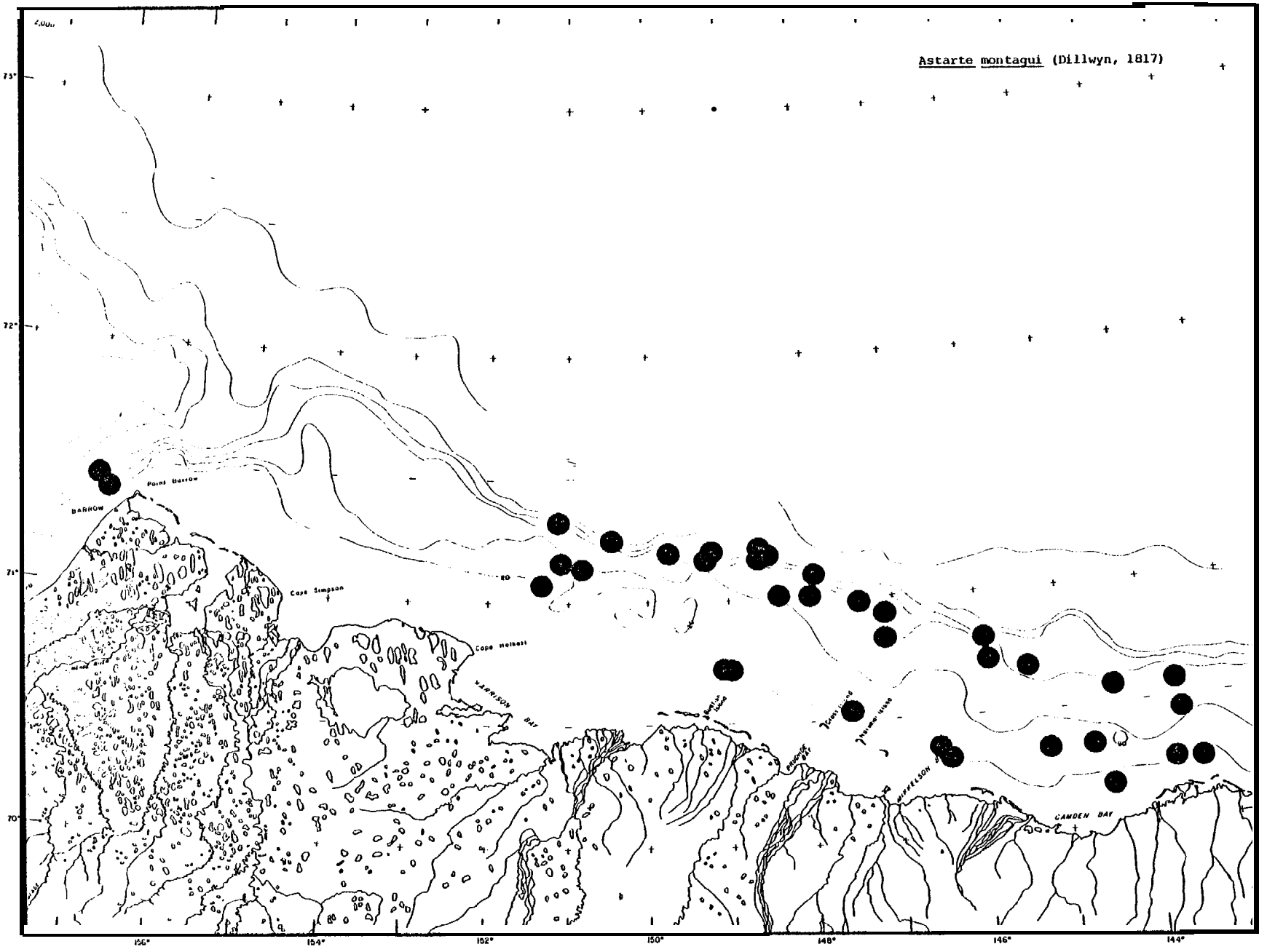
Species Distributions:

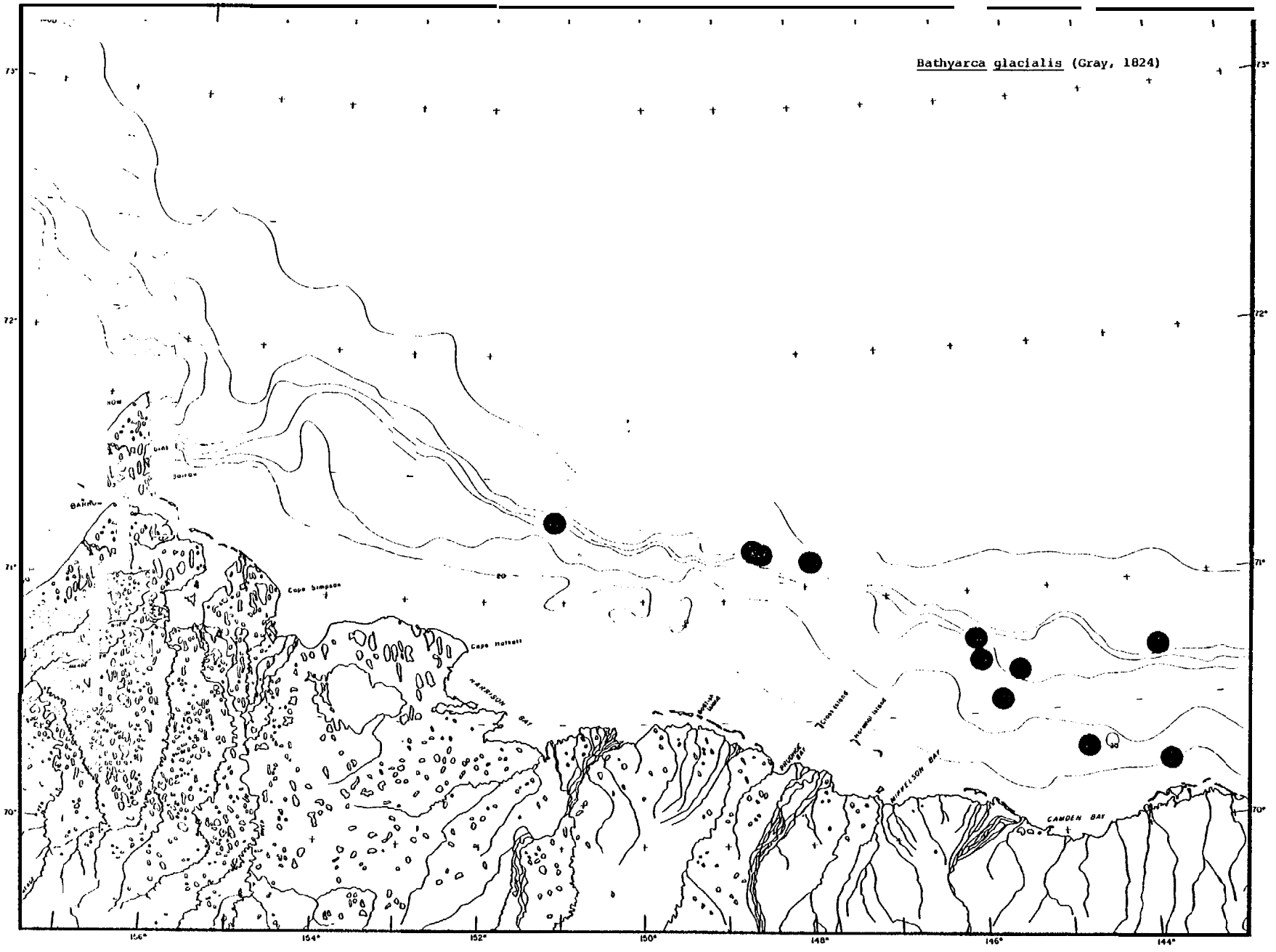
<u>Mollusca</u> -- Pelecypoda

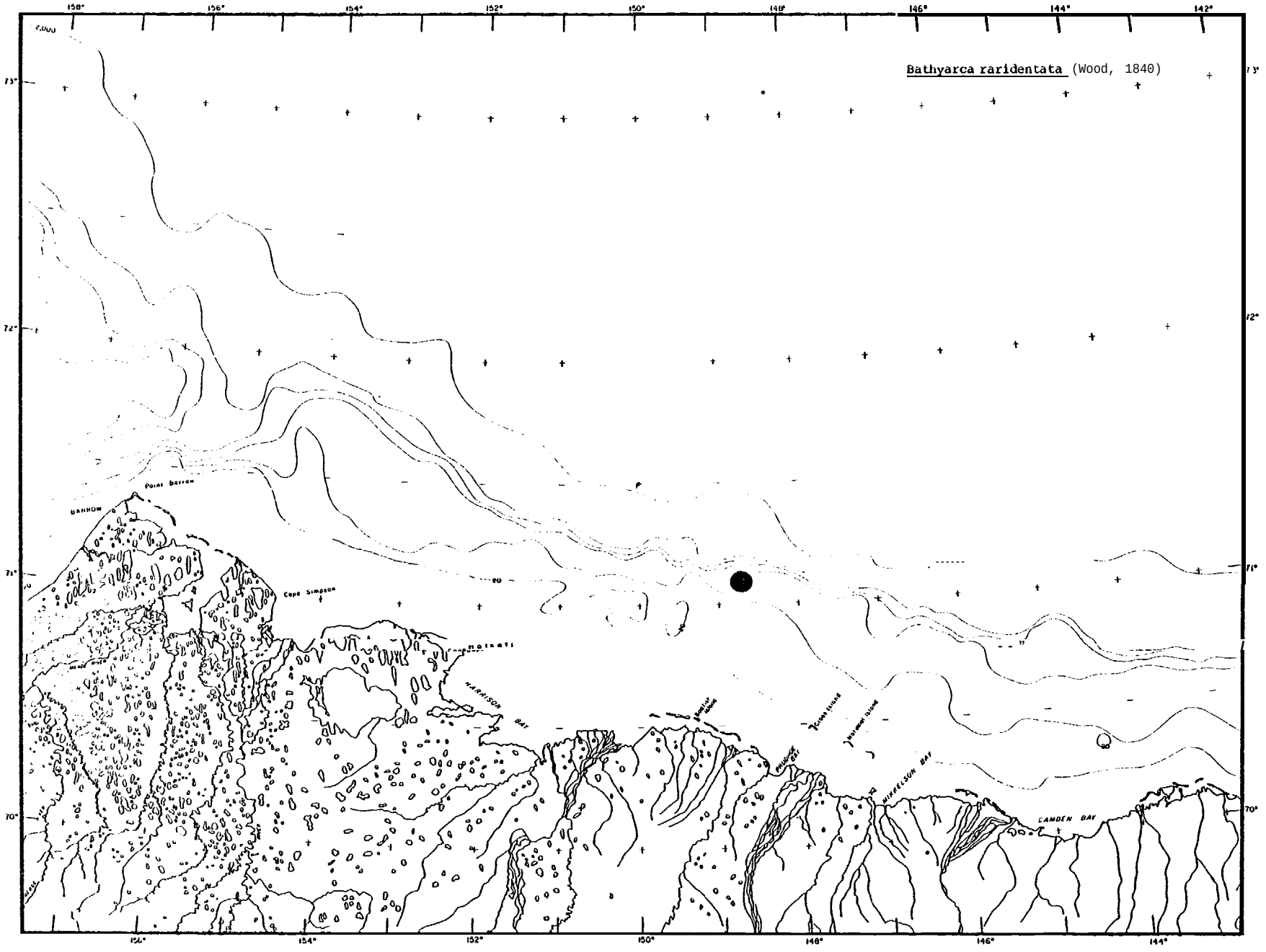

Astarte borealis (Schumacher, 1817)
(◯ = valves only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
HIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°

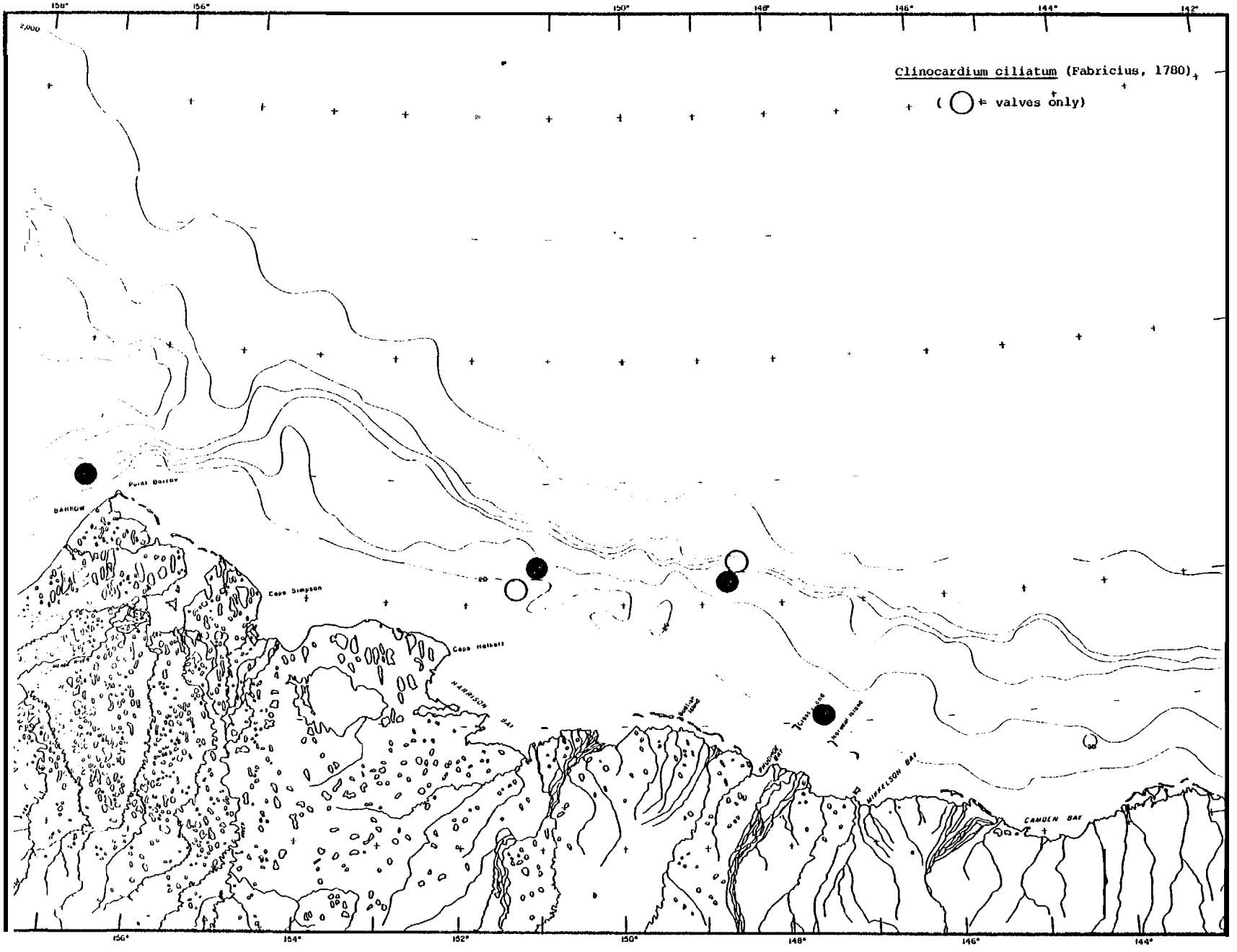

Astarte crenata (Gray, 1824)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

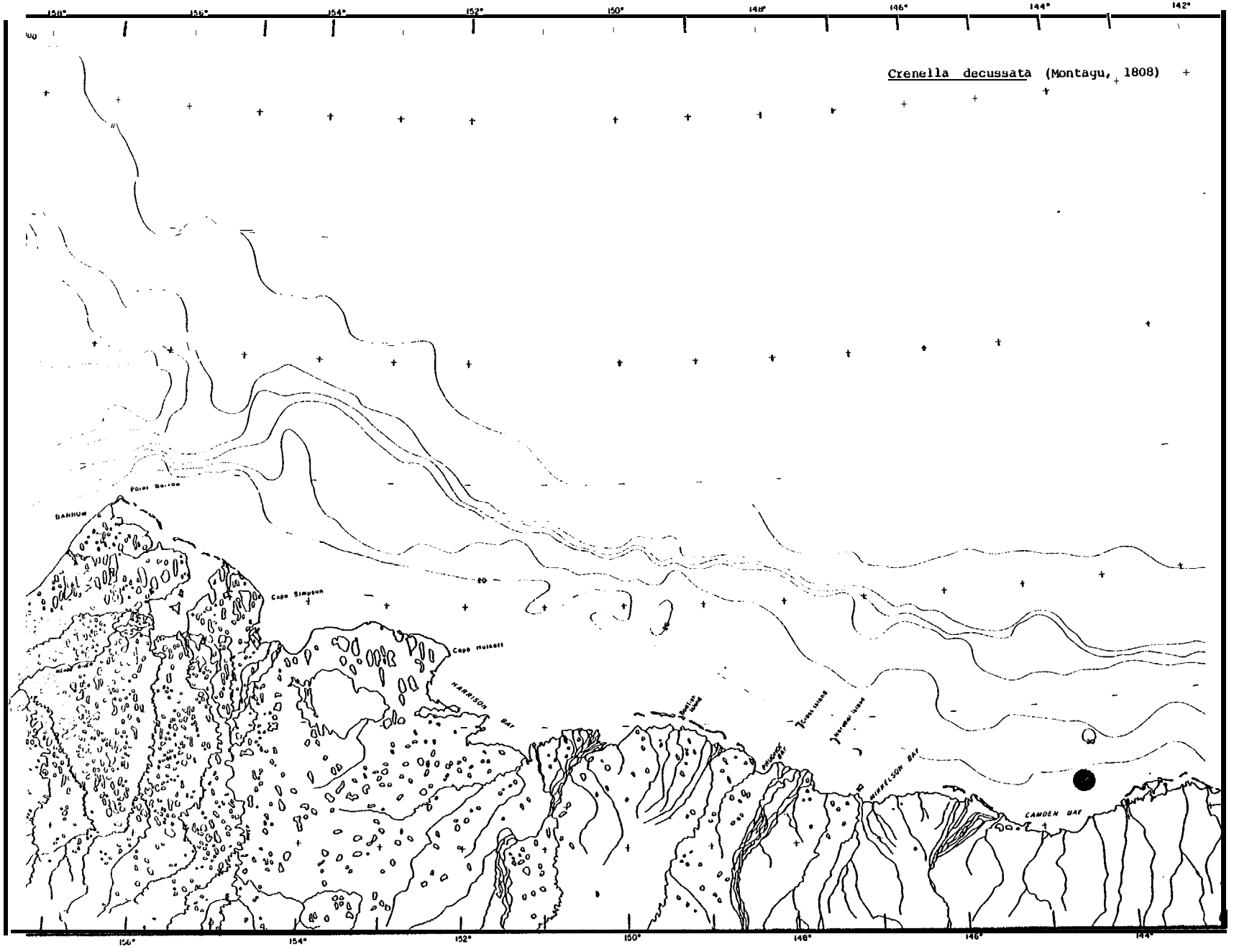

Astarte esquimalti (Baird, 1863)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
HERSCHELSON BAY
CAMDEN BAY

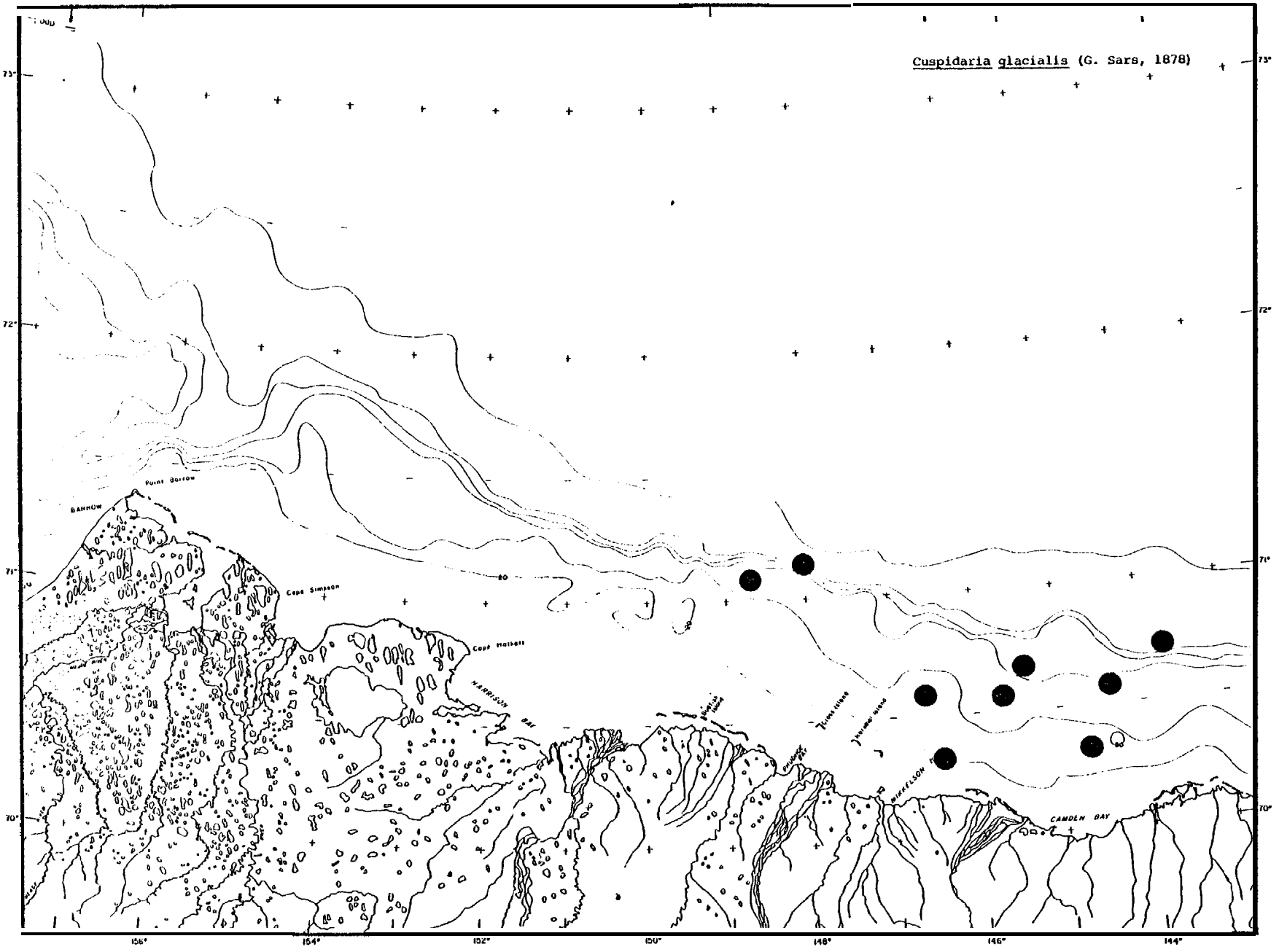

Astarte montagui (Dillwyn, 1817)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
BIRKELSON
CAMDEN BAY

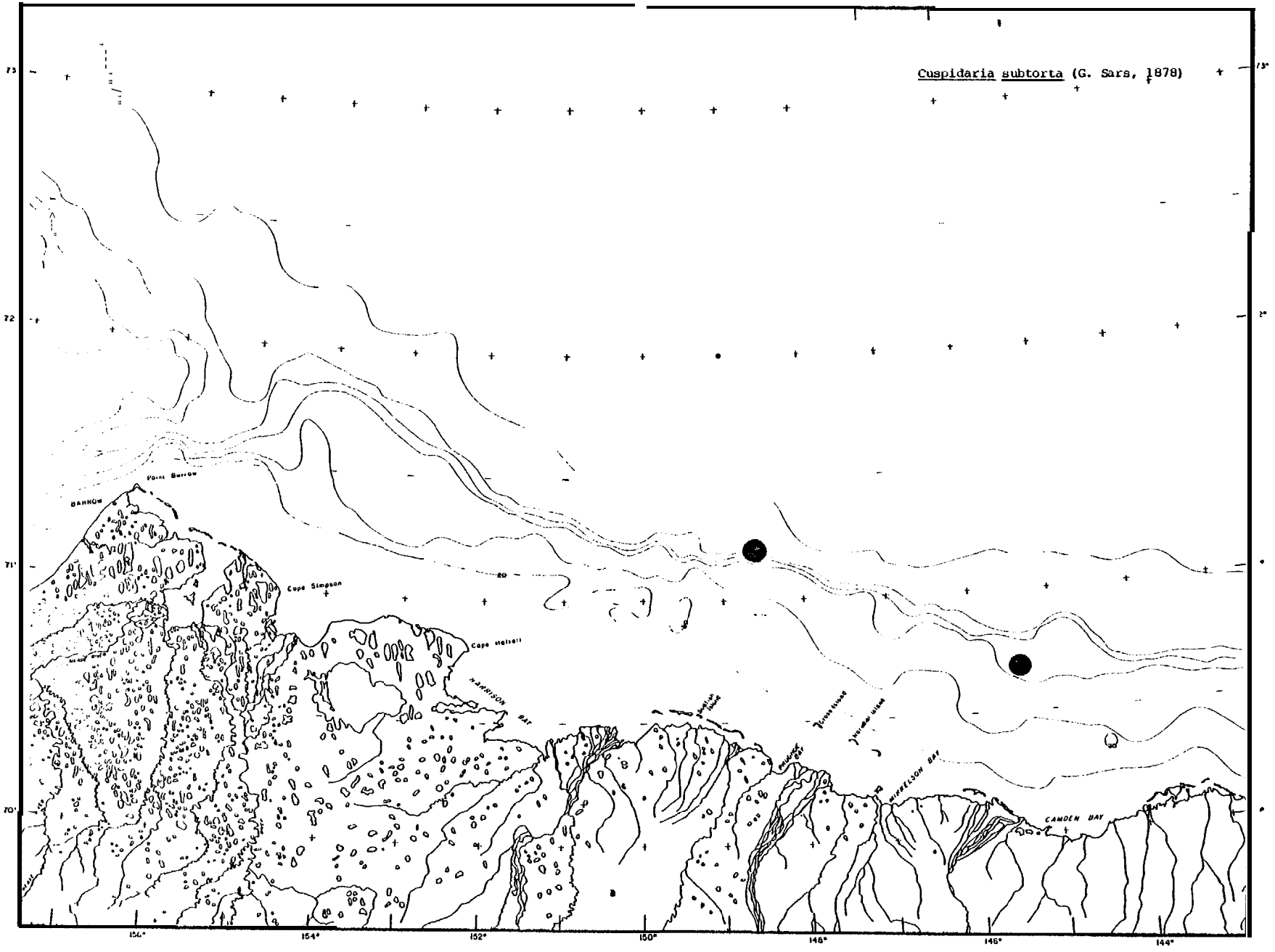

Bathyarca glacialis (Gray, 1824)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

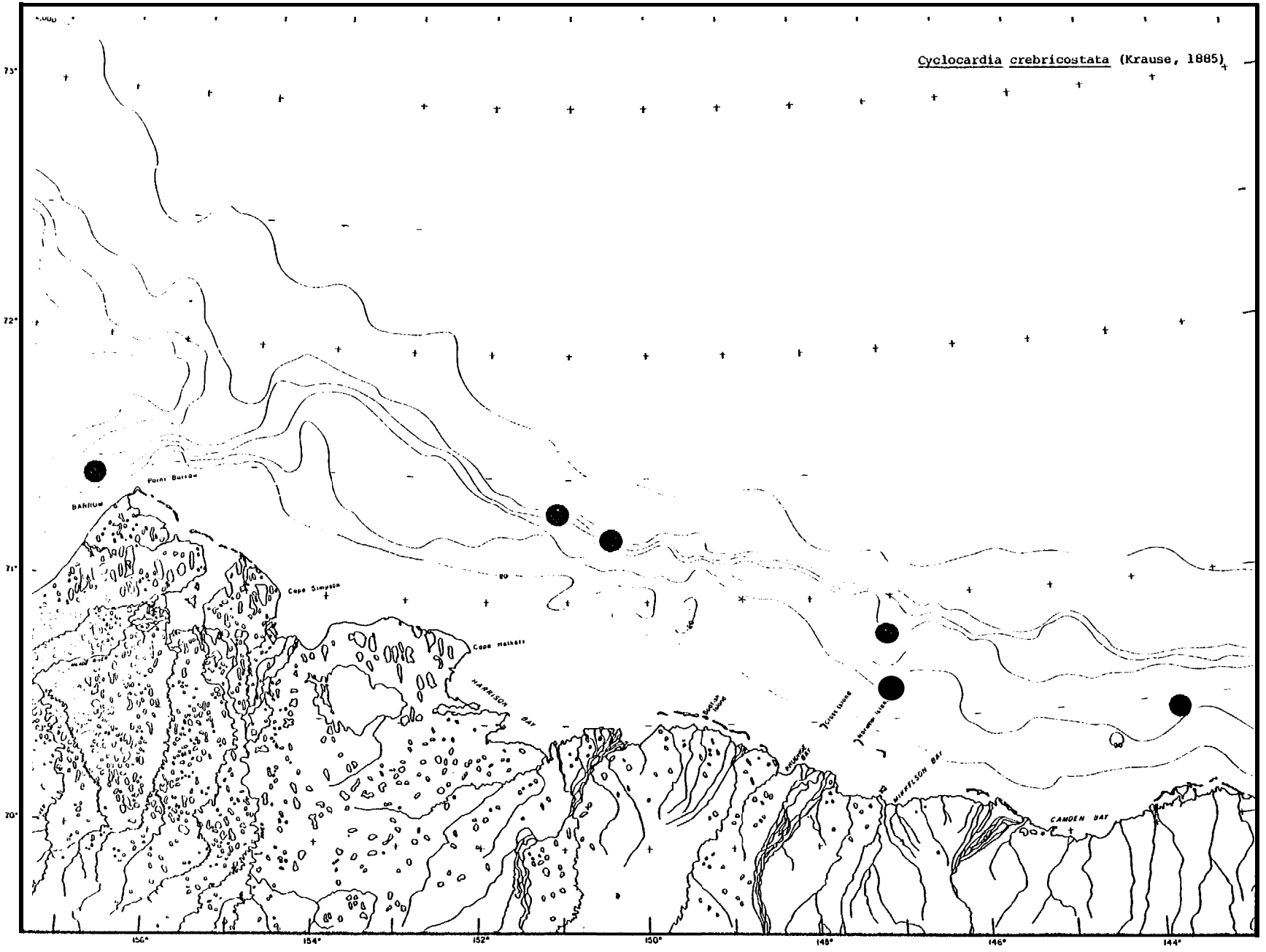

Bathyarca raridentata (Wood, 1840)
Point Barrow
BARROW
Cape Simpson
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°

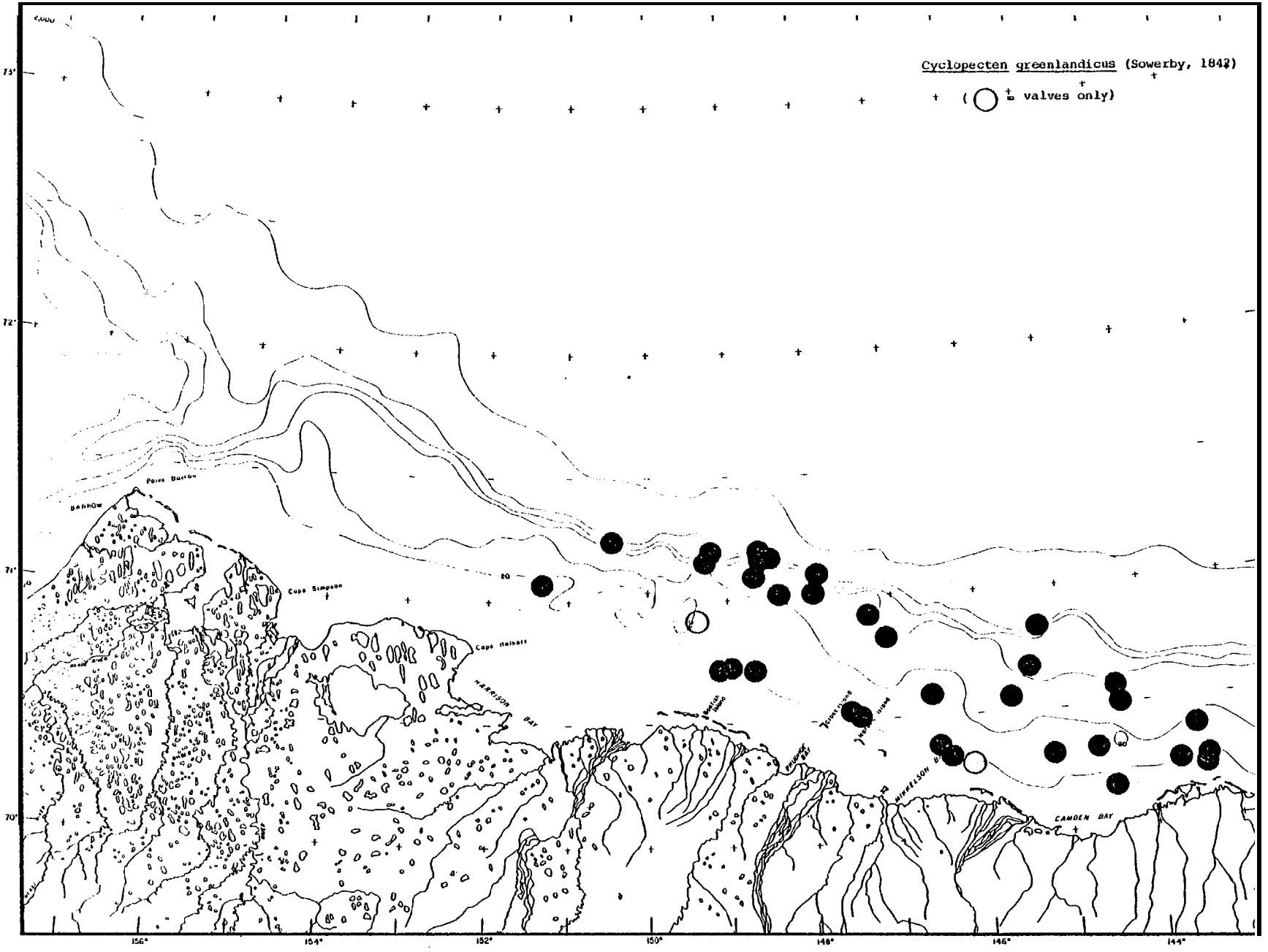

Clinocardium ciliatum (Fabricius, 1780)
(◯ = valves only)
2,000
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

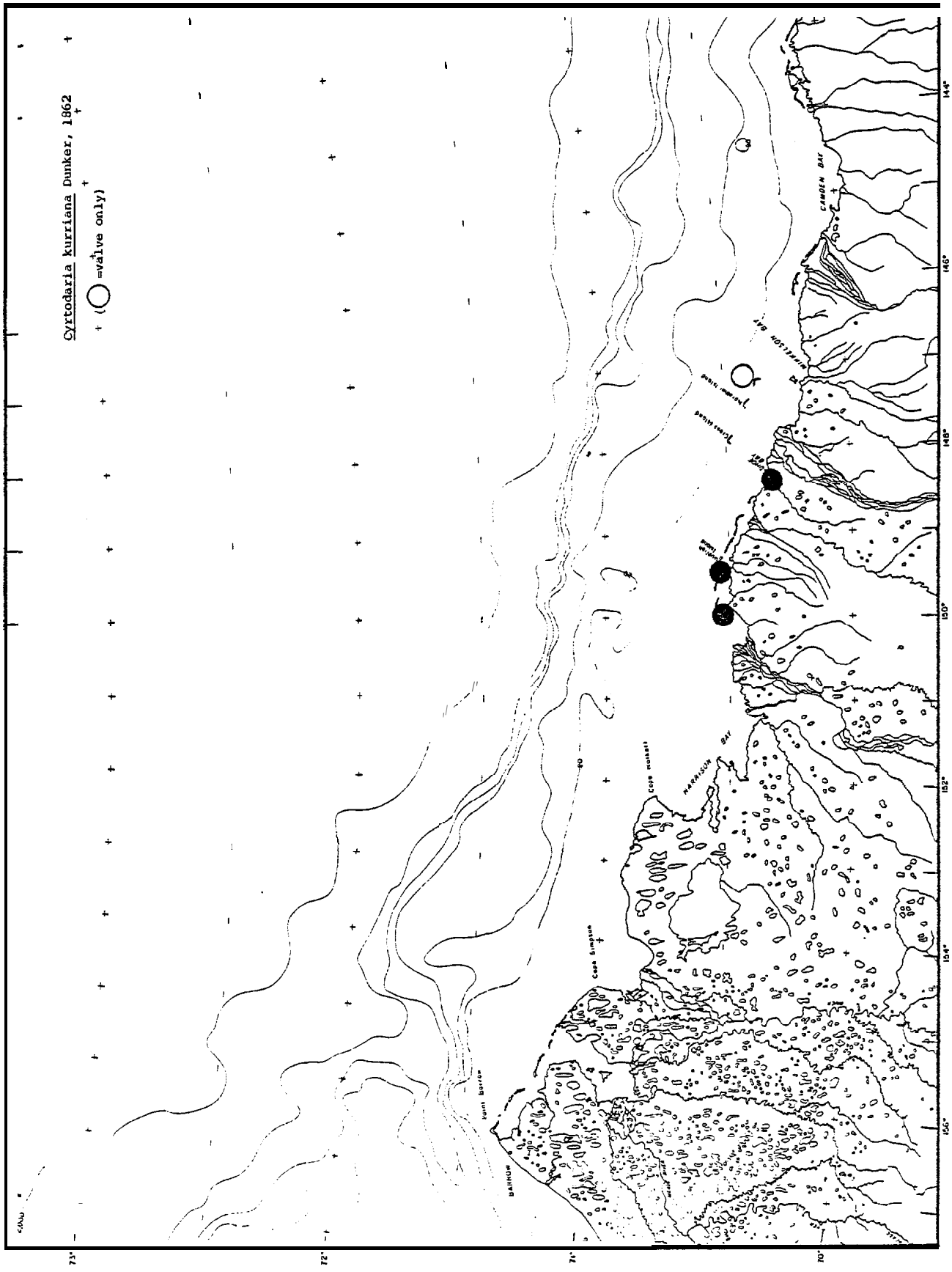

Crenella decussata (Montagu, 1808)
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Boulton Island
PRUDHOE BAY
Cross Island
Narwhal Island
MIKKELSON BAY
CAMDEN BAY

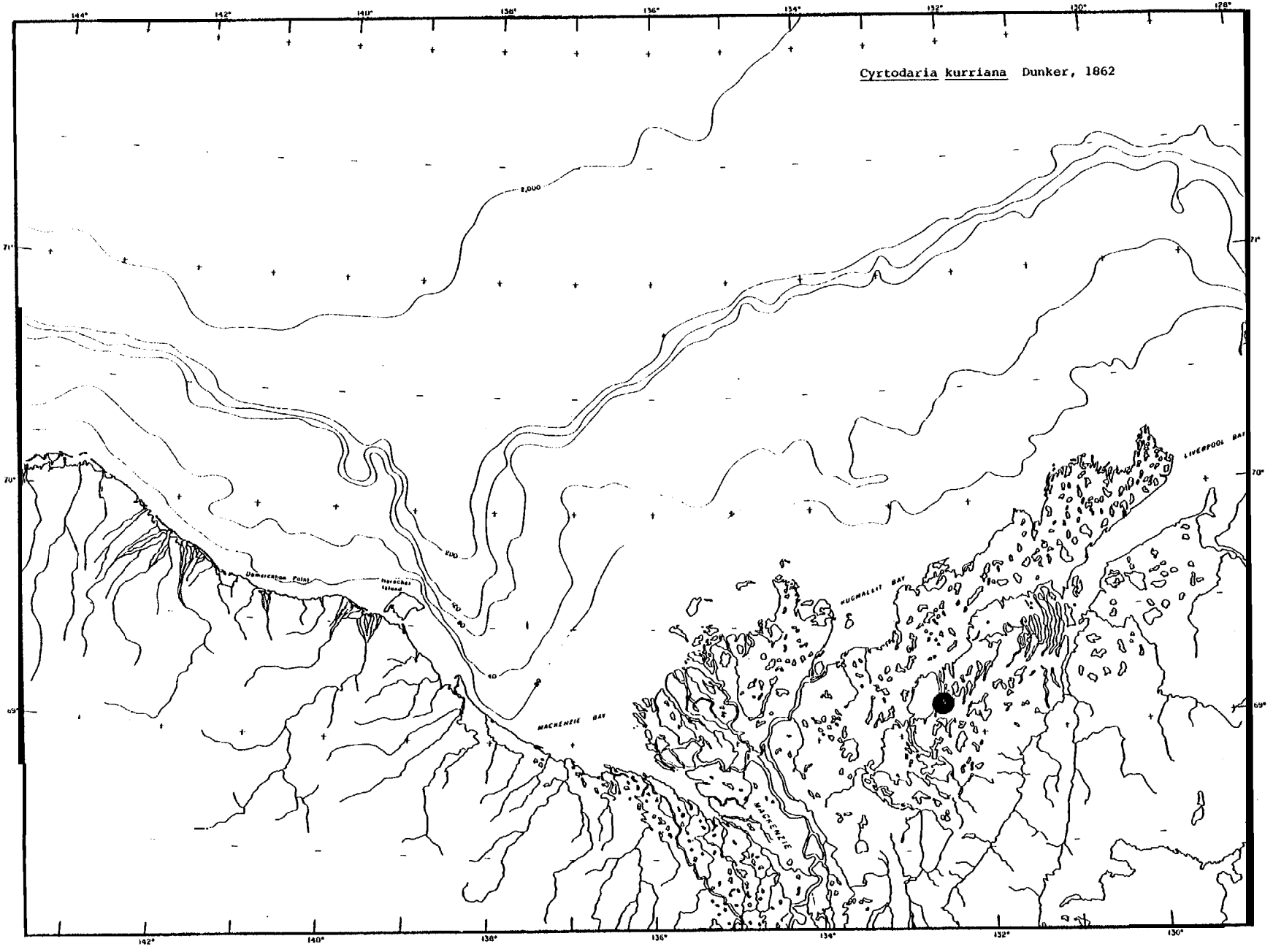

Cuspidaria glacialis (G. Sars, 1878)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MICKELSON
CAMDEN BAY

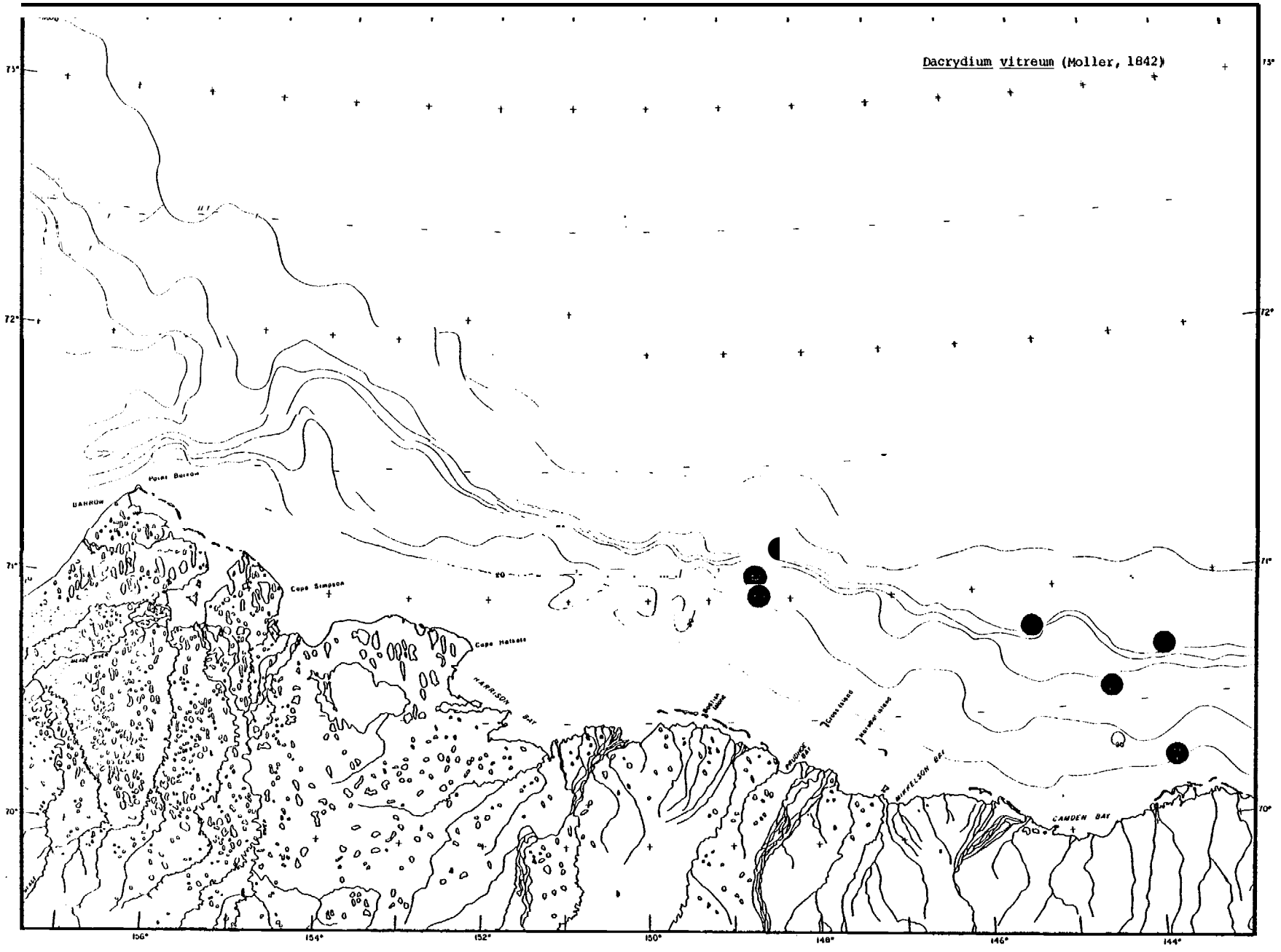

Cuspidaria subtorta (G. Sars, 1878)
73
72
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

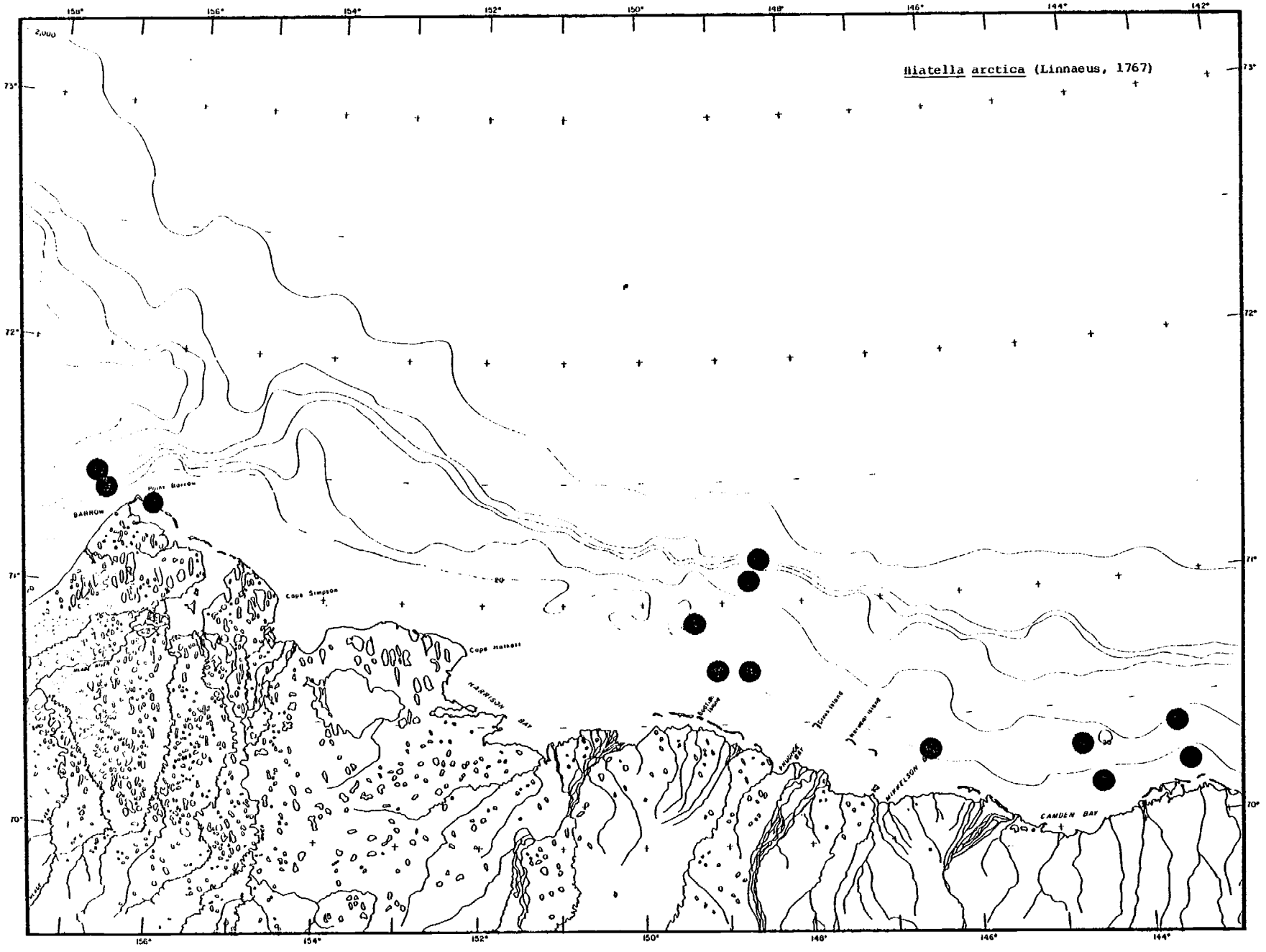

Cyclocardia crebricostata (Krause, 1885)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY


Cyclopecten greenlandicus (Sowerby, 1842)
(valves only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

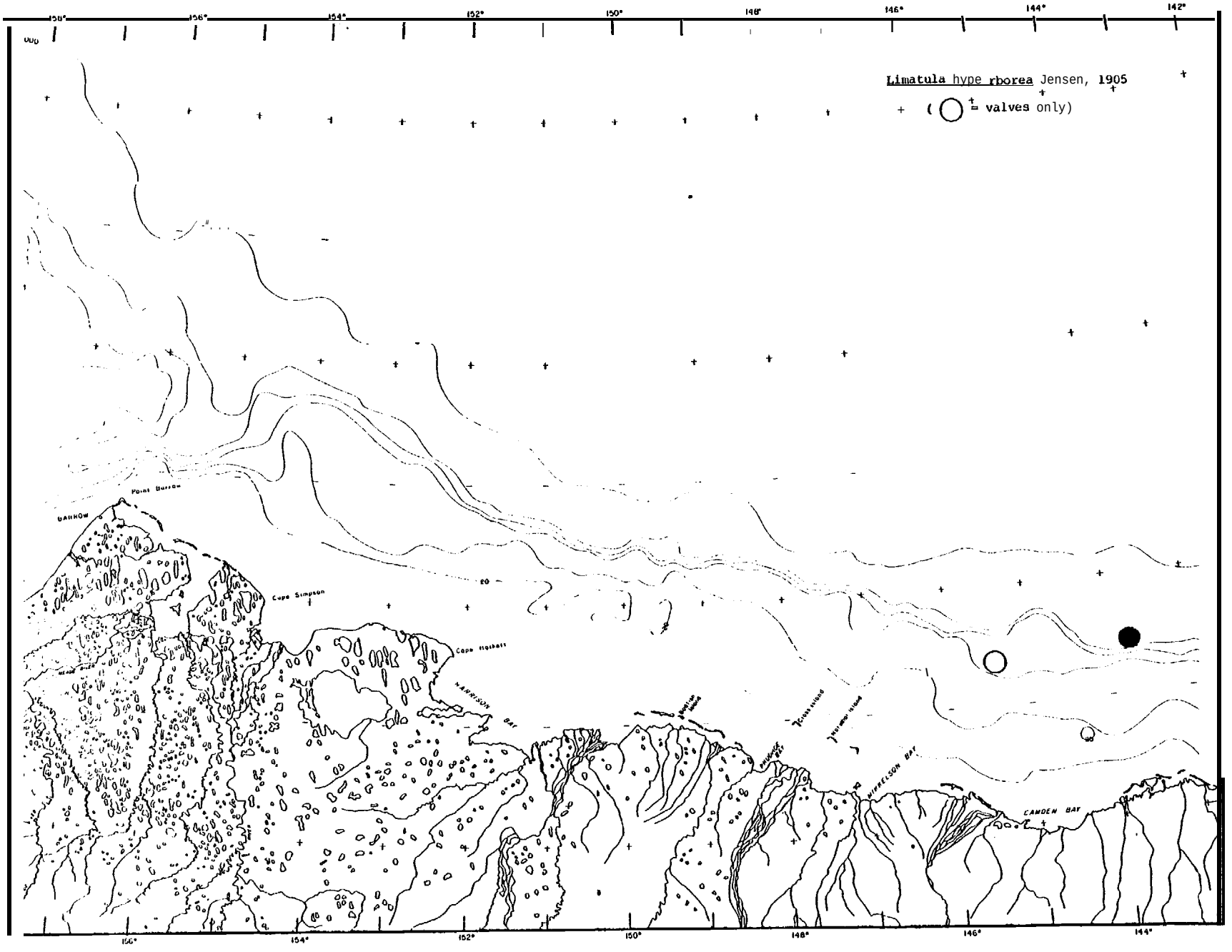

Cyrtodaria kurriana Dunker, 1862
(○ =valve only)
CAMDEN BAY
MIKKELSON BAY
HARRISON BAY
Cape Halkett
Cape Simpson
Point Barrow
BARROW
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

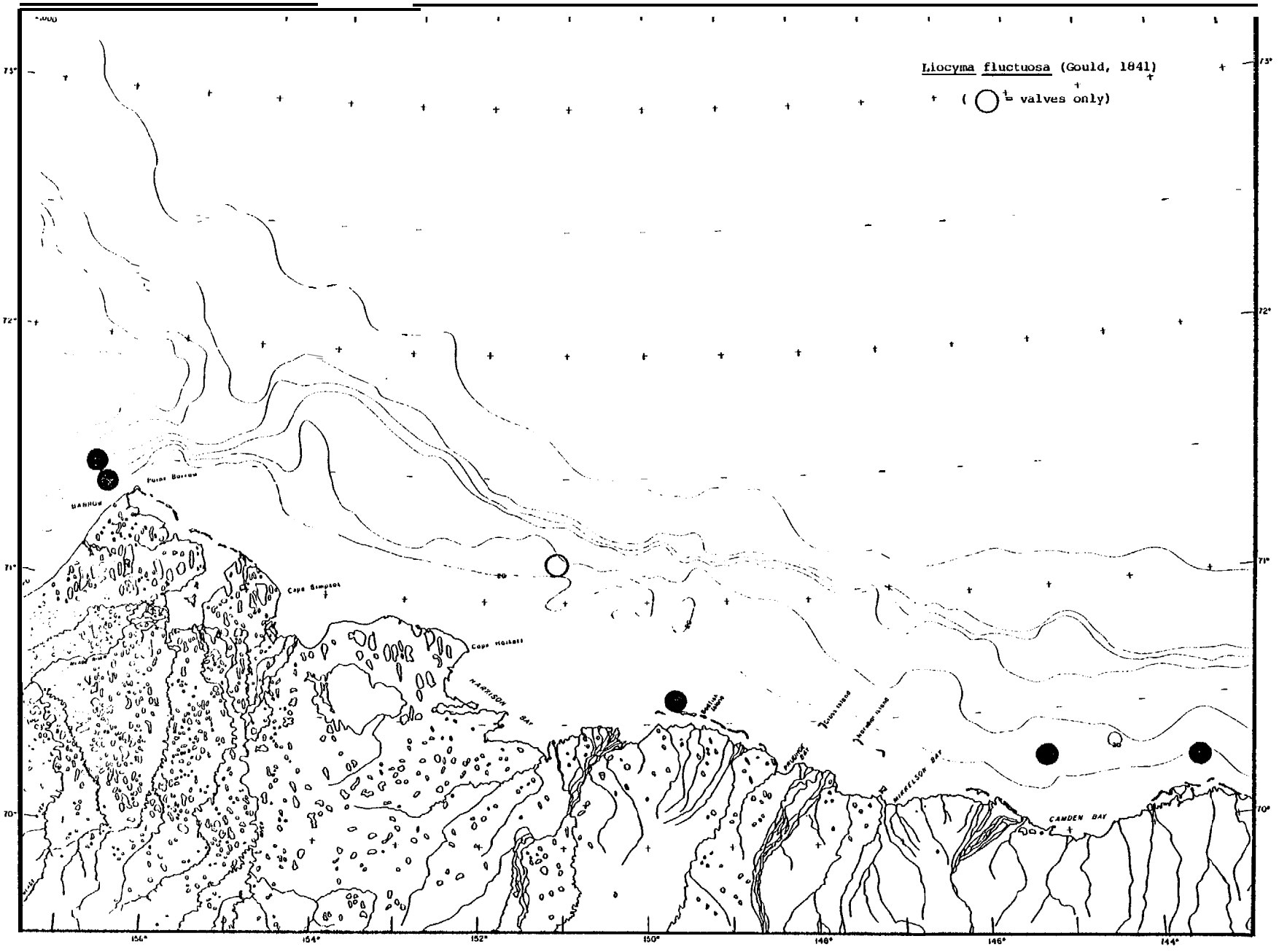

Cyrtodaria kurriana Dunker, 1862
144°
142°
140°
138°
136°
134°
132°
130°
128°
71°
70°
69°
2,000
1,000
100
80
40
Demarcation Point
Herschel Island
MACKENZIE BAY
MACKENZIE
KUGMALLIT BAY
LIVERPOOL BAY

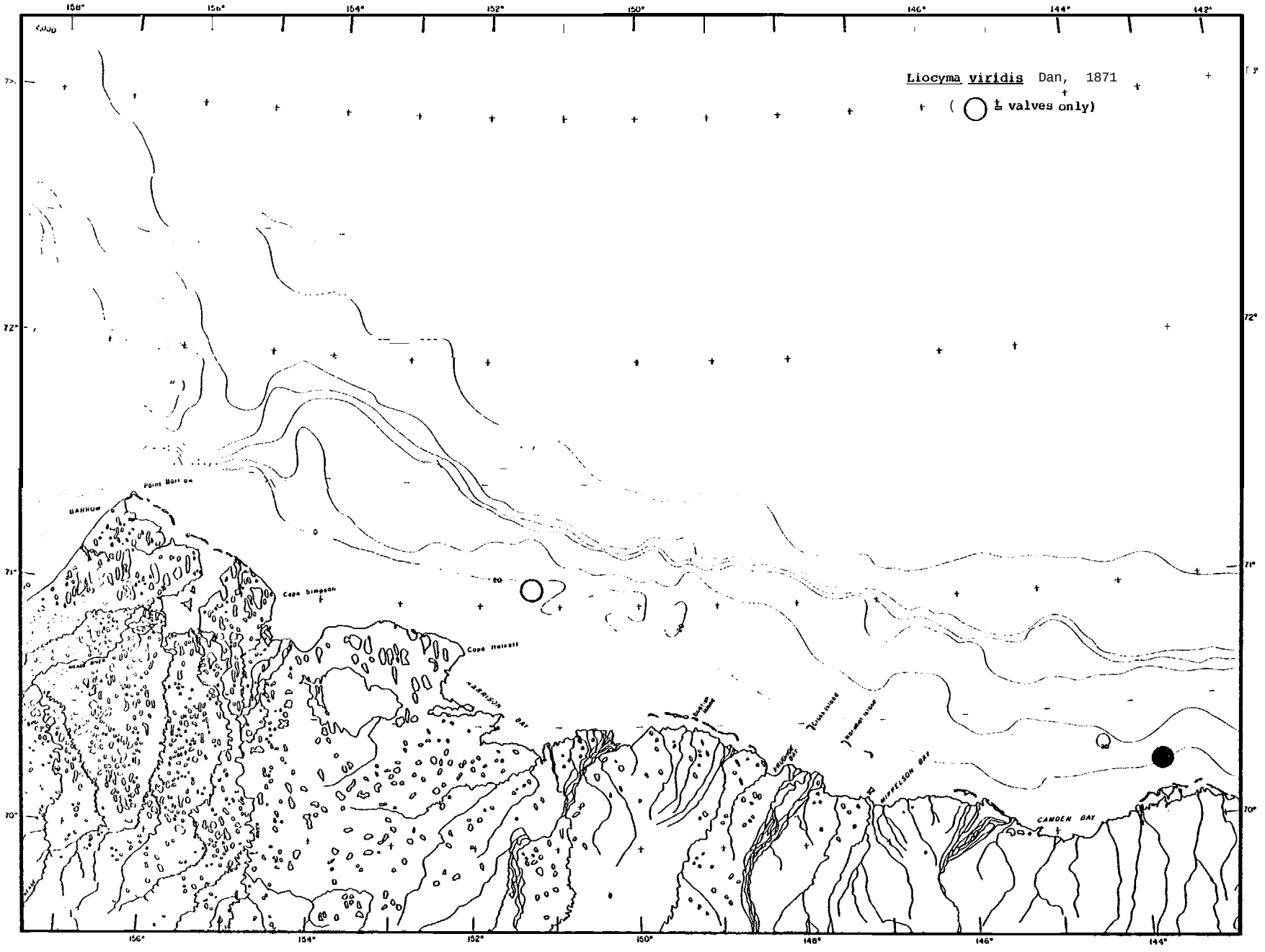

Dacrydium vitreum (Moller, 1842)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY

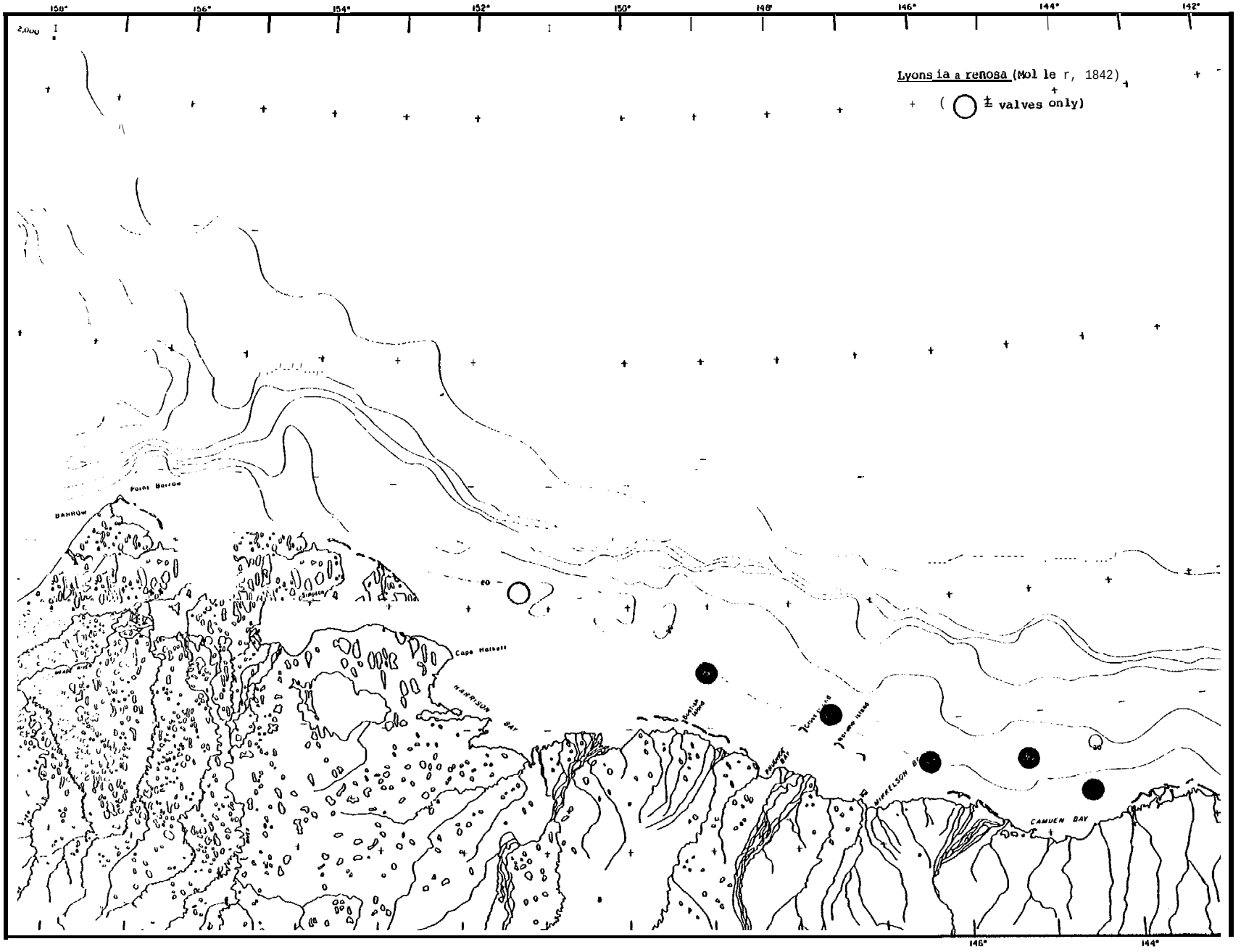

Hiatella arctica (Linnaeus, 1767)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
2,000
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
Cross Island
Narwhal Island
MIKKELSON BAY
CAMDEN BAY

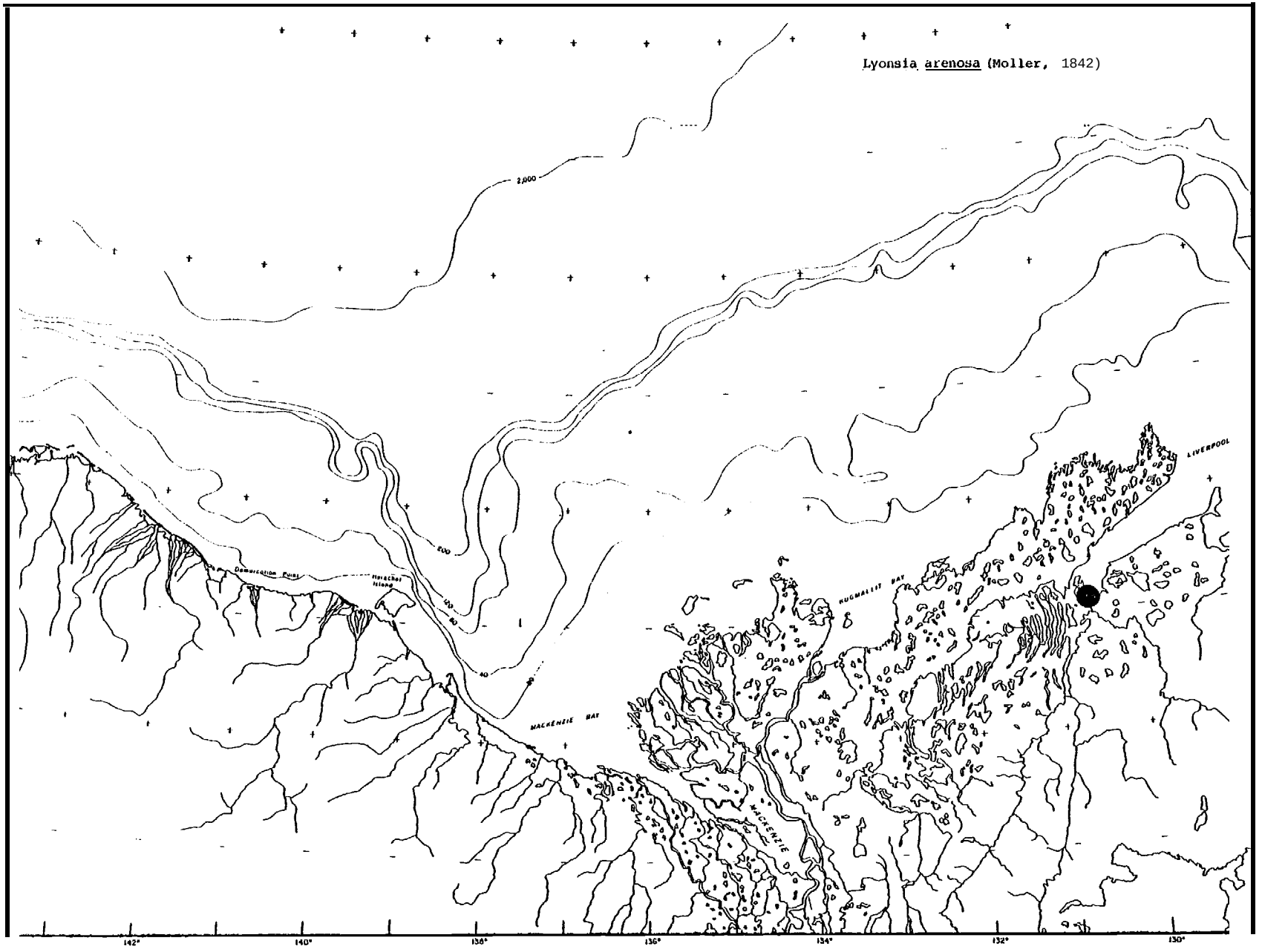
W8W

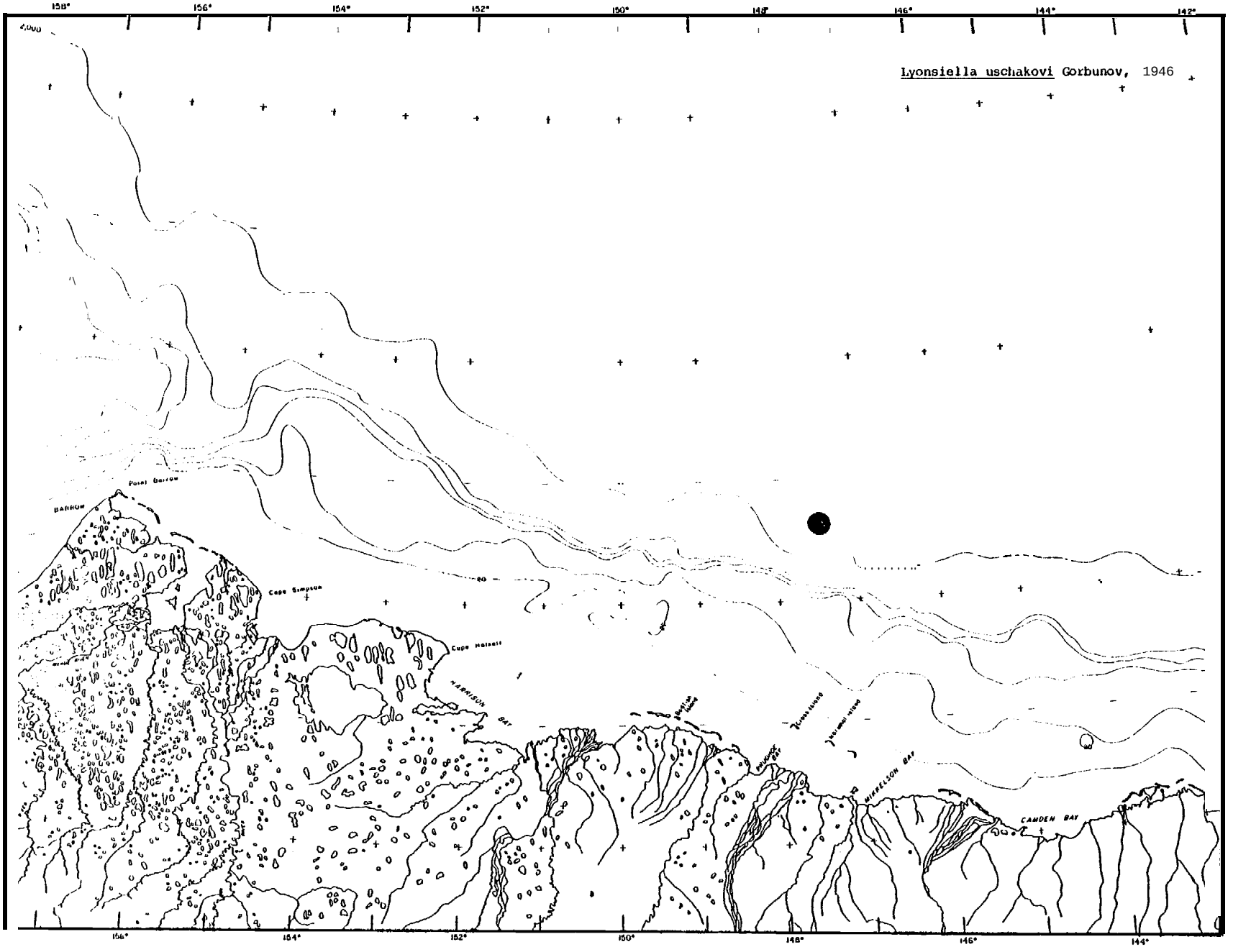

Limatula hyperborea Jensen, 1905
(○ = valves only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WIPPELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°
142°

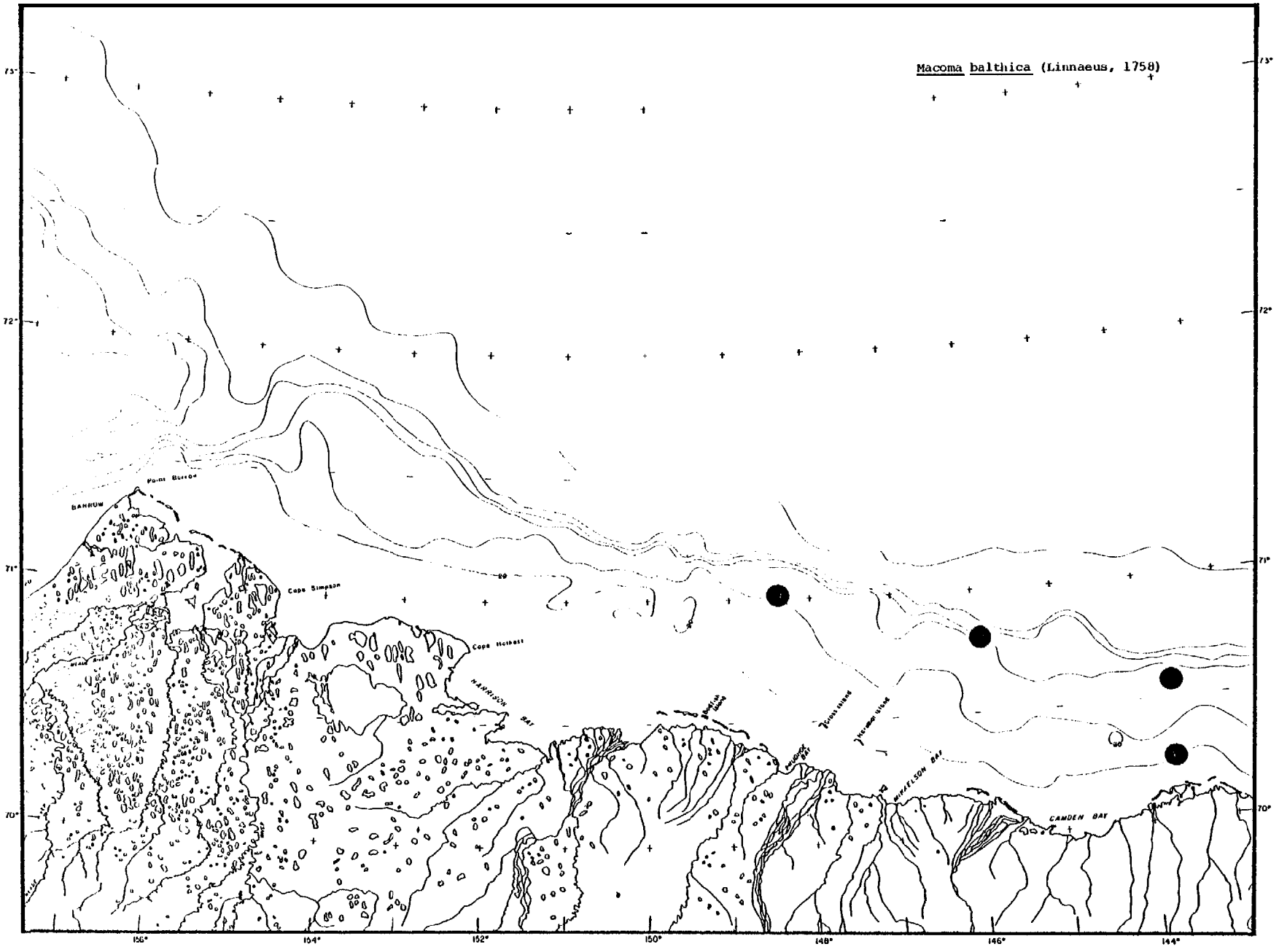

Liocyma fluctuosa (Gould, 1841)
(valves only)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
NIKKELSON BAY
CAMDEN BAY

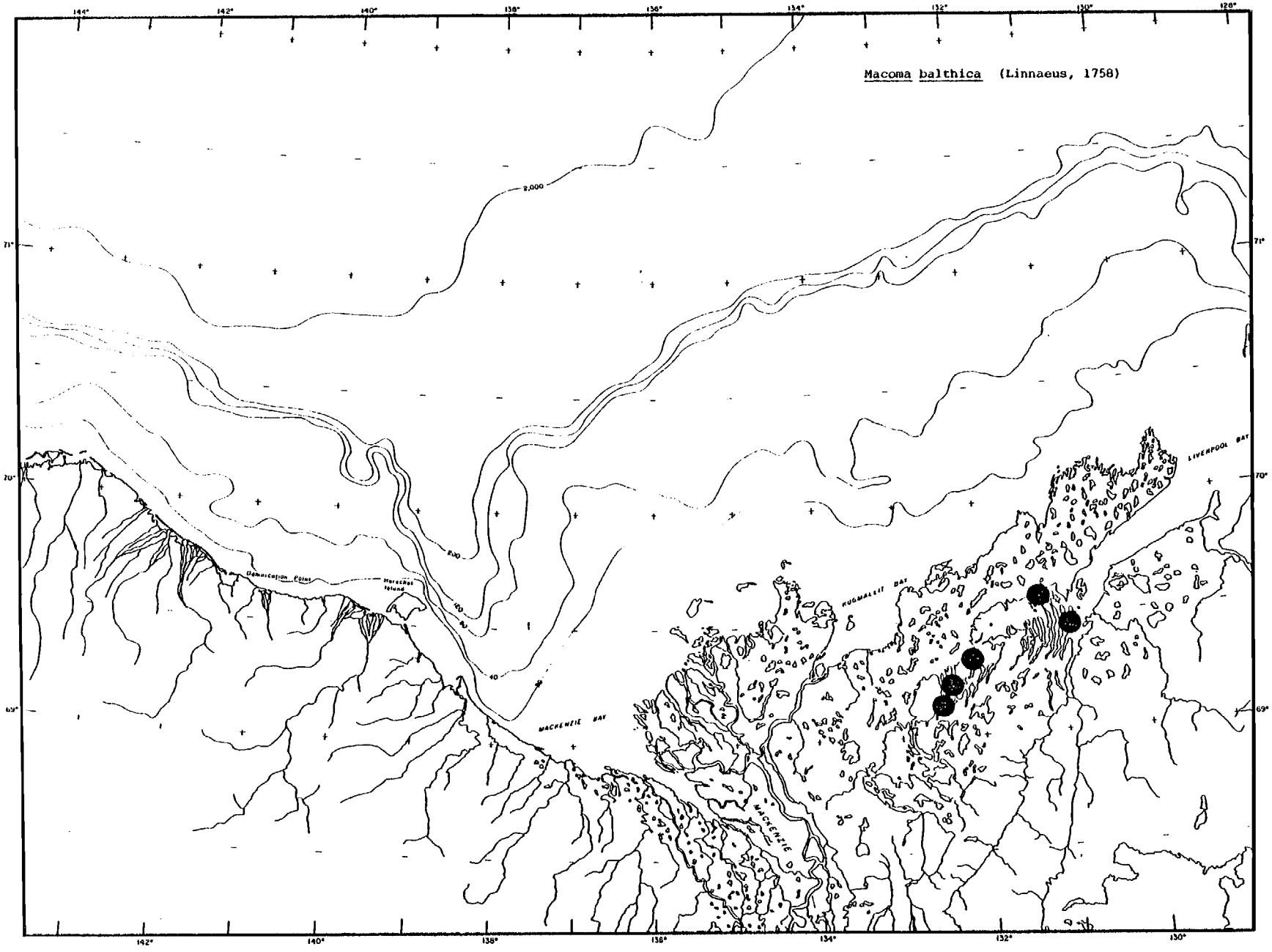

Liocyma viridis Dan, 1871
(○ ½ valves only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
HIPPELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°
72°
71°
70°

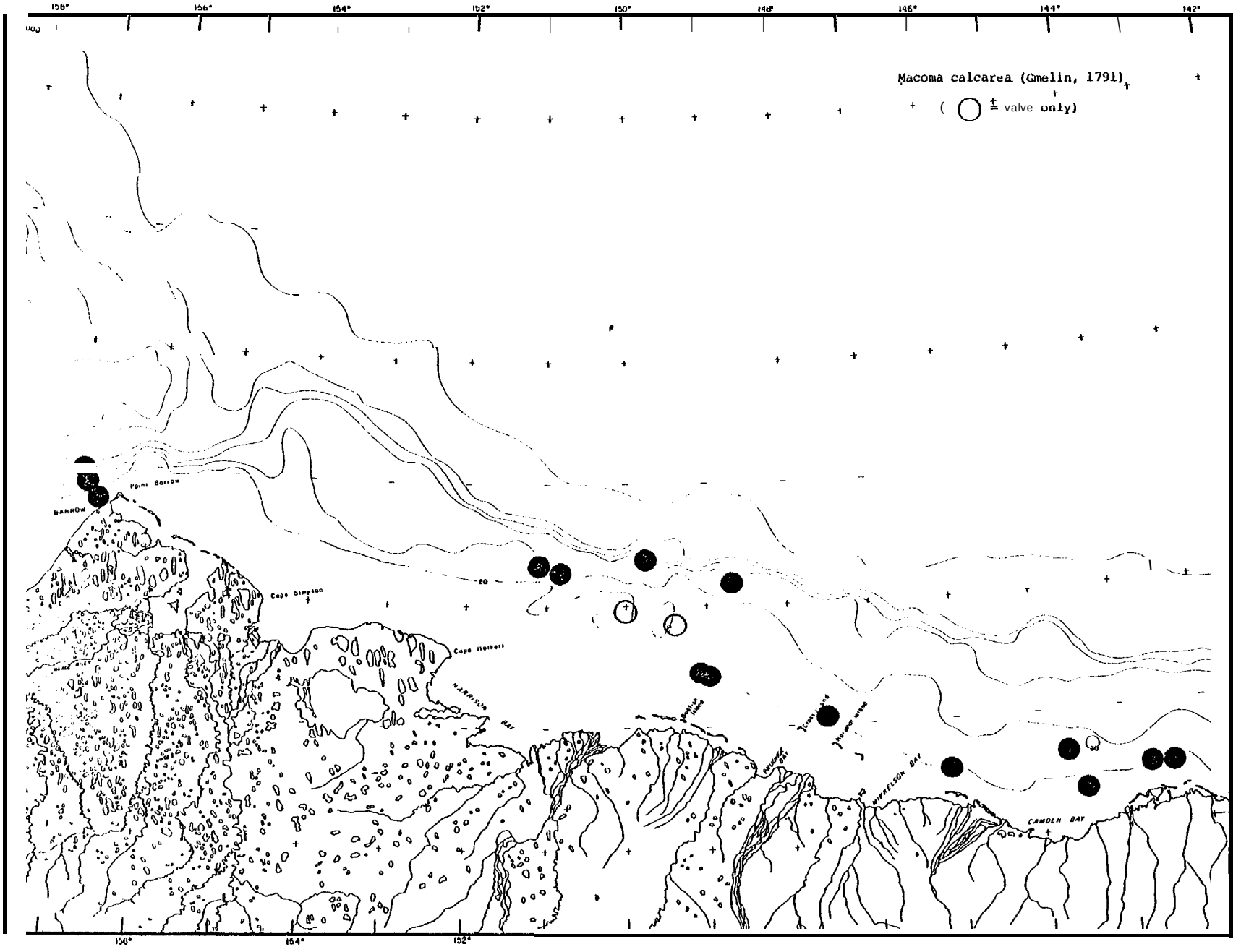

158°
156°
154°
152°
150°
148°
146°
144°
142°
2,000
Lyonsia a renosa (Mol le r, 1842)
(± valves only)
Point Barrow
BARROW
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
146°
144°

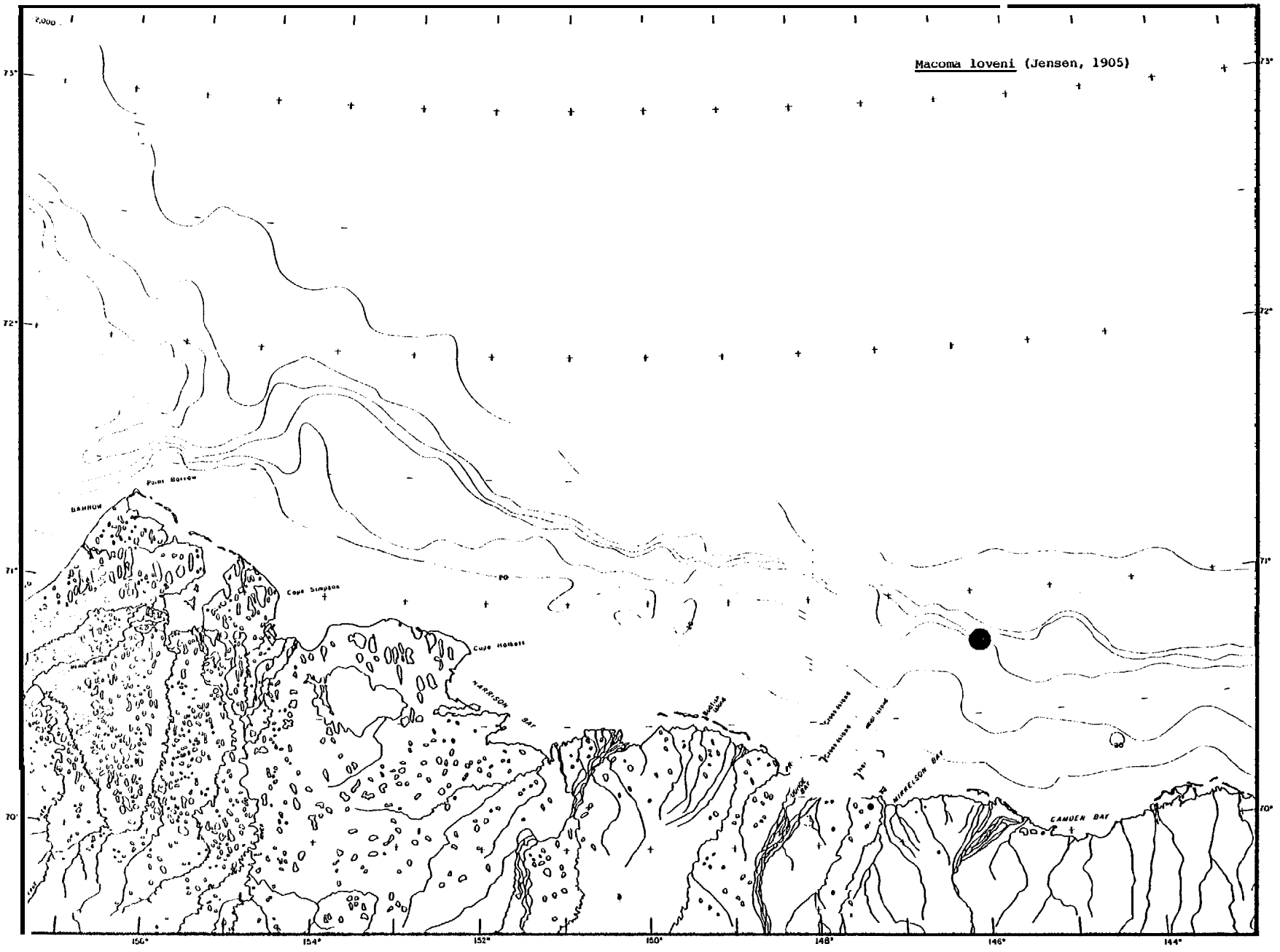

Lyonsia arenosa (Moller, 1842)
2,000
200
100
40
Demarcation Point
Herschel Island
MACKENZIE BAY
MACKENZIE
HUGHES BAY
LIVERPOOL
142°
140°
138°
136°
134°
132°
130°

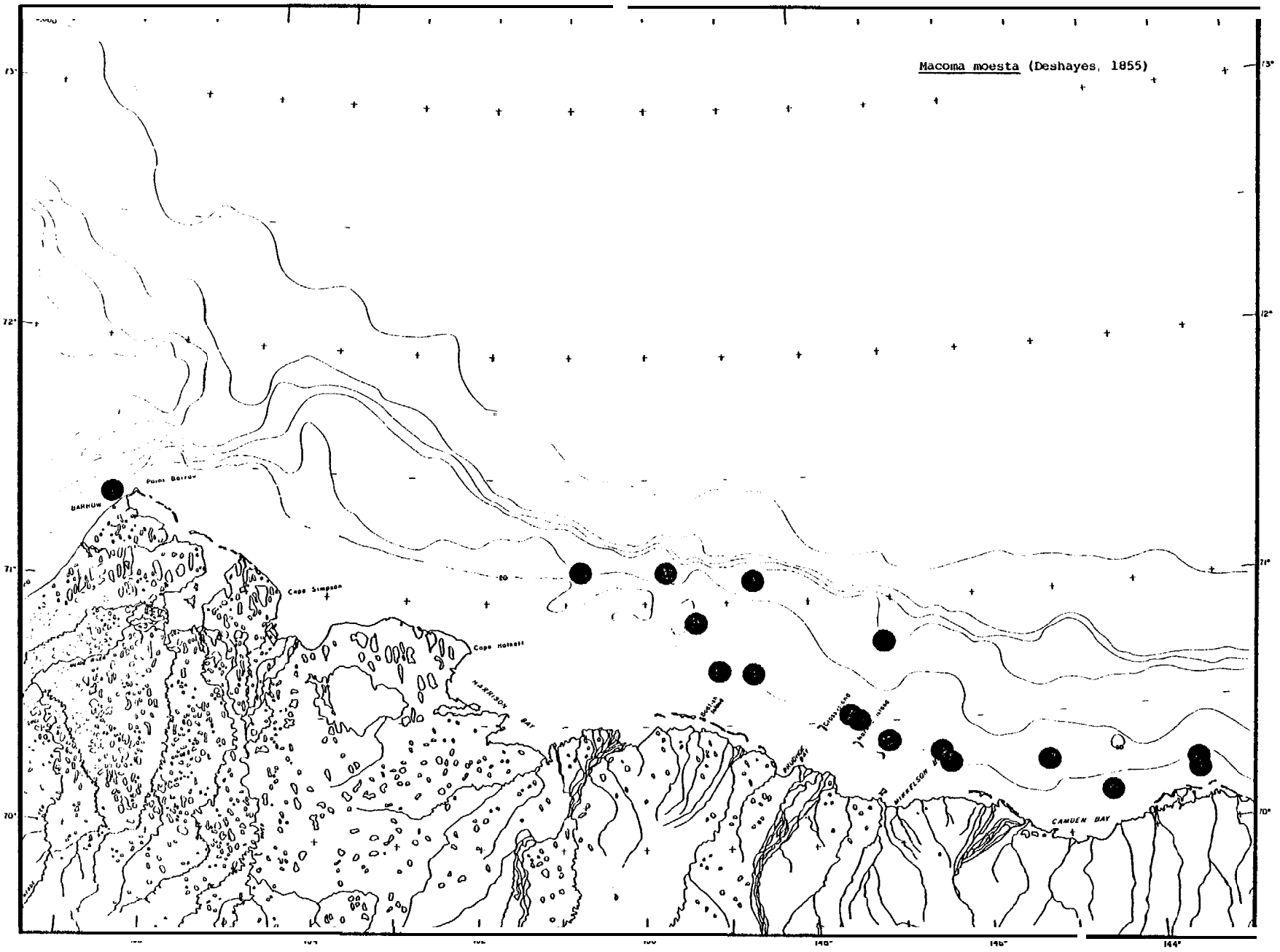

Lyonsiella uschakovi Gorbunov, 1946
158°
156°
154°
152°
150°
148°
146°
144°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

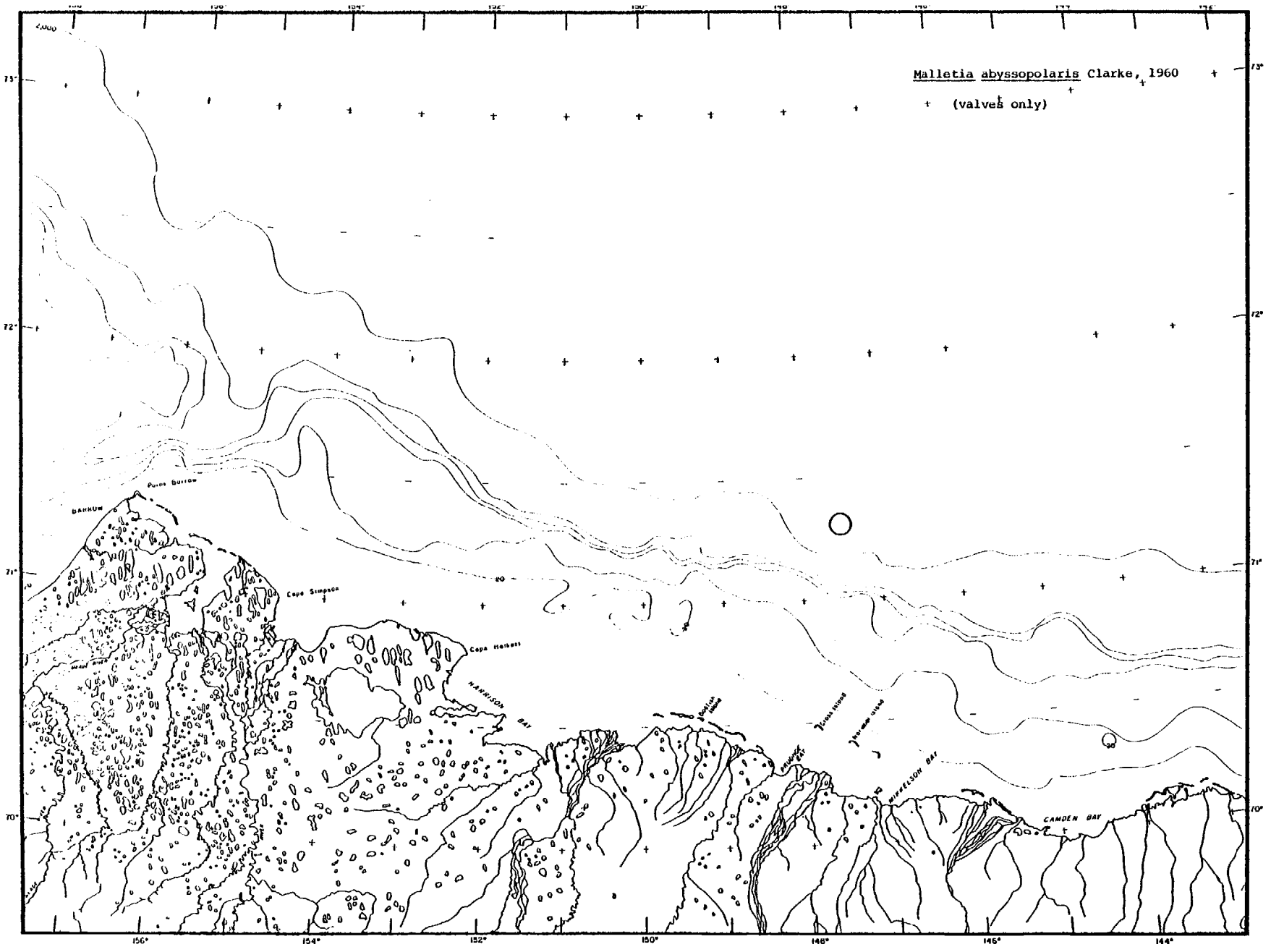

Macoma balthica (Linnaeus, 1758)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

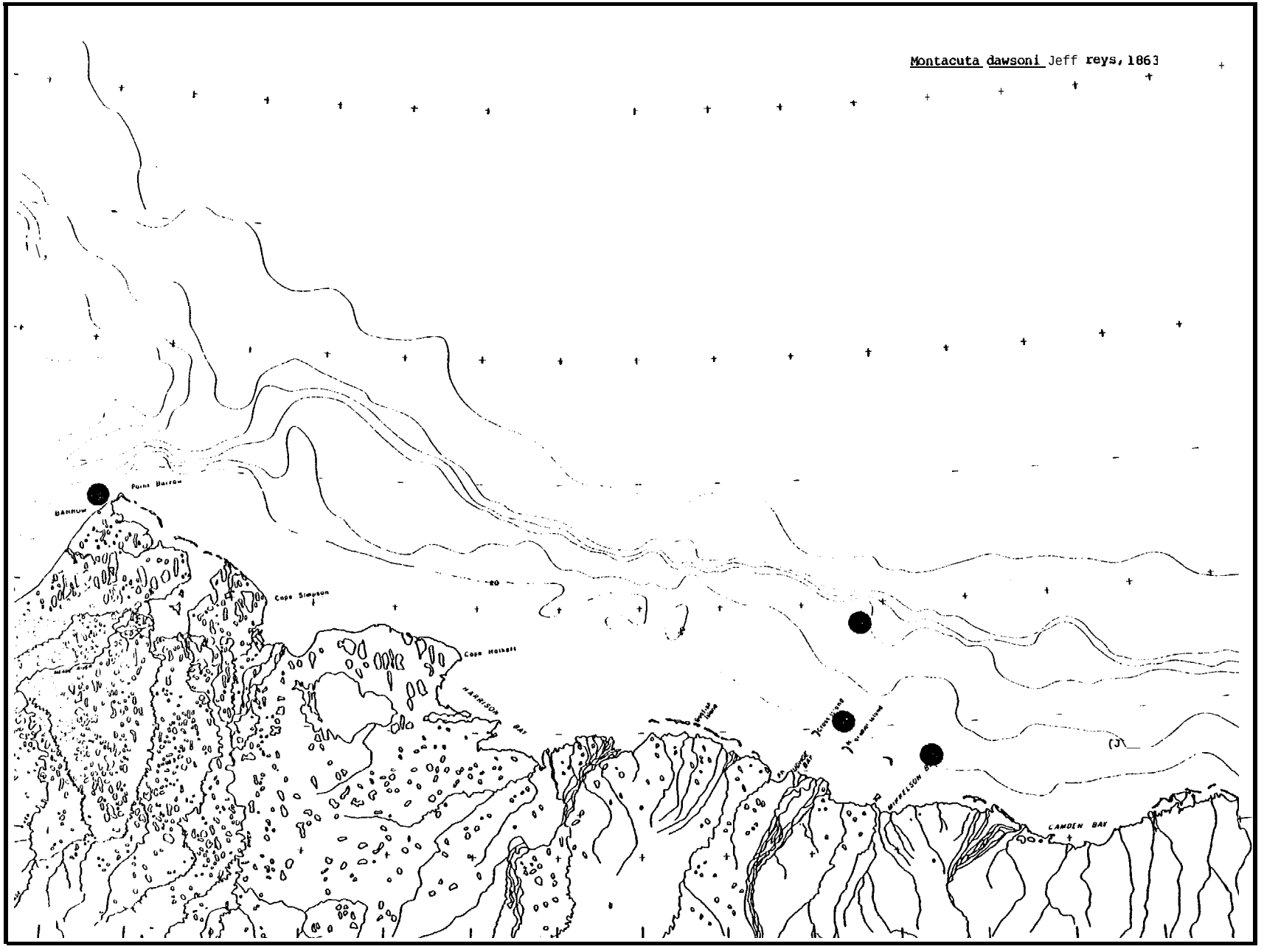

Macoma balthica (Linnaeus, 1758)
144°
142°
140°
138°
136°
134°
132°
130°
128°
71°
70°
69°
2,000
500
100
50
40
Demarcation Point
Herschel Island
MACKENZIE BAY
KUGMALLIT BAY
LIVERPOOL BAY

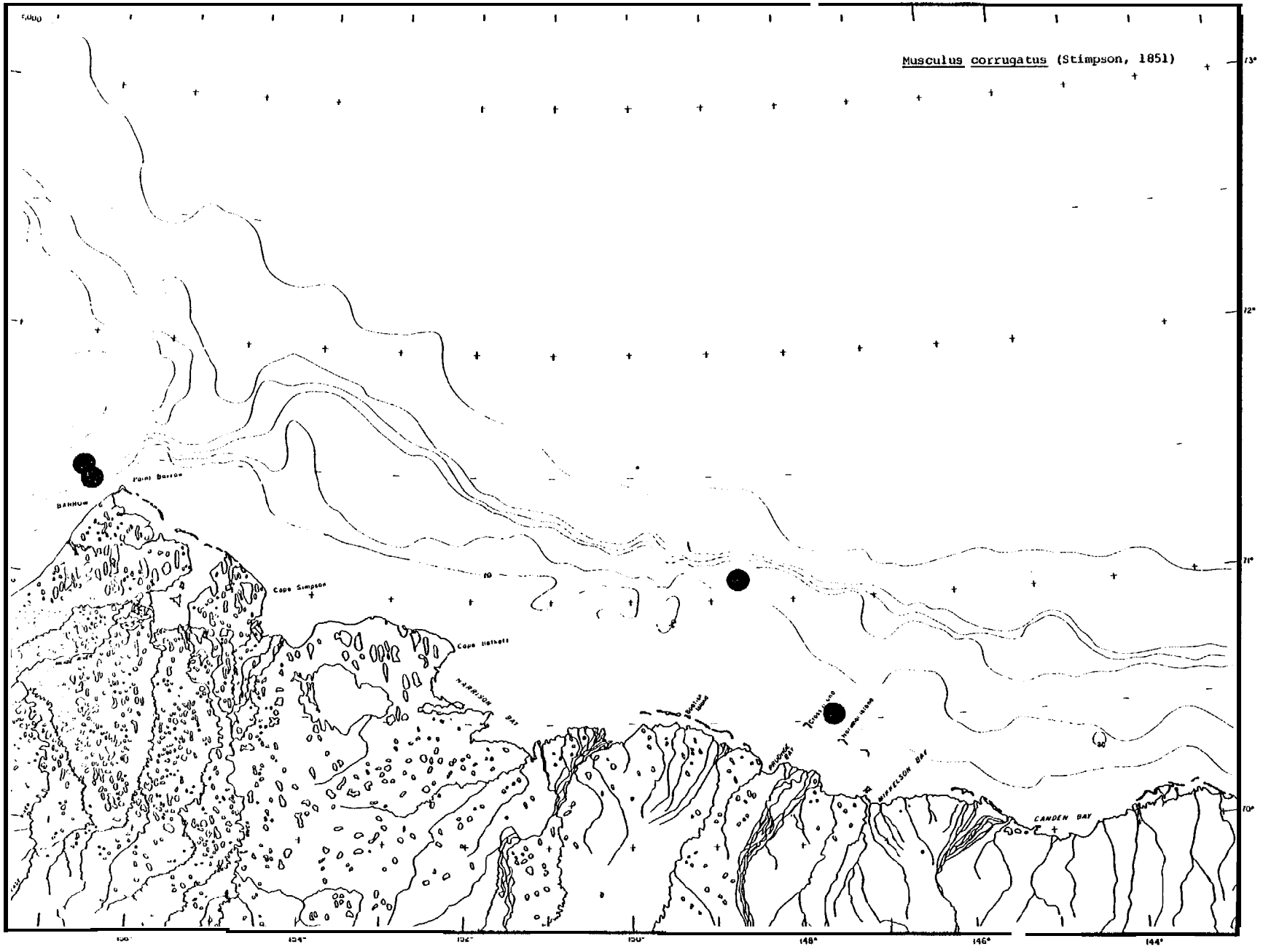

Macoma calcarea (Gmelin, 1791)
(◯ ± valve only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
7
1
7
7
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°

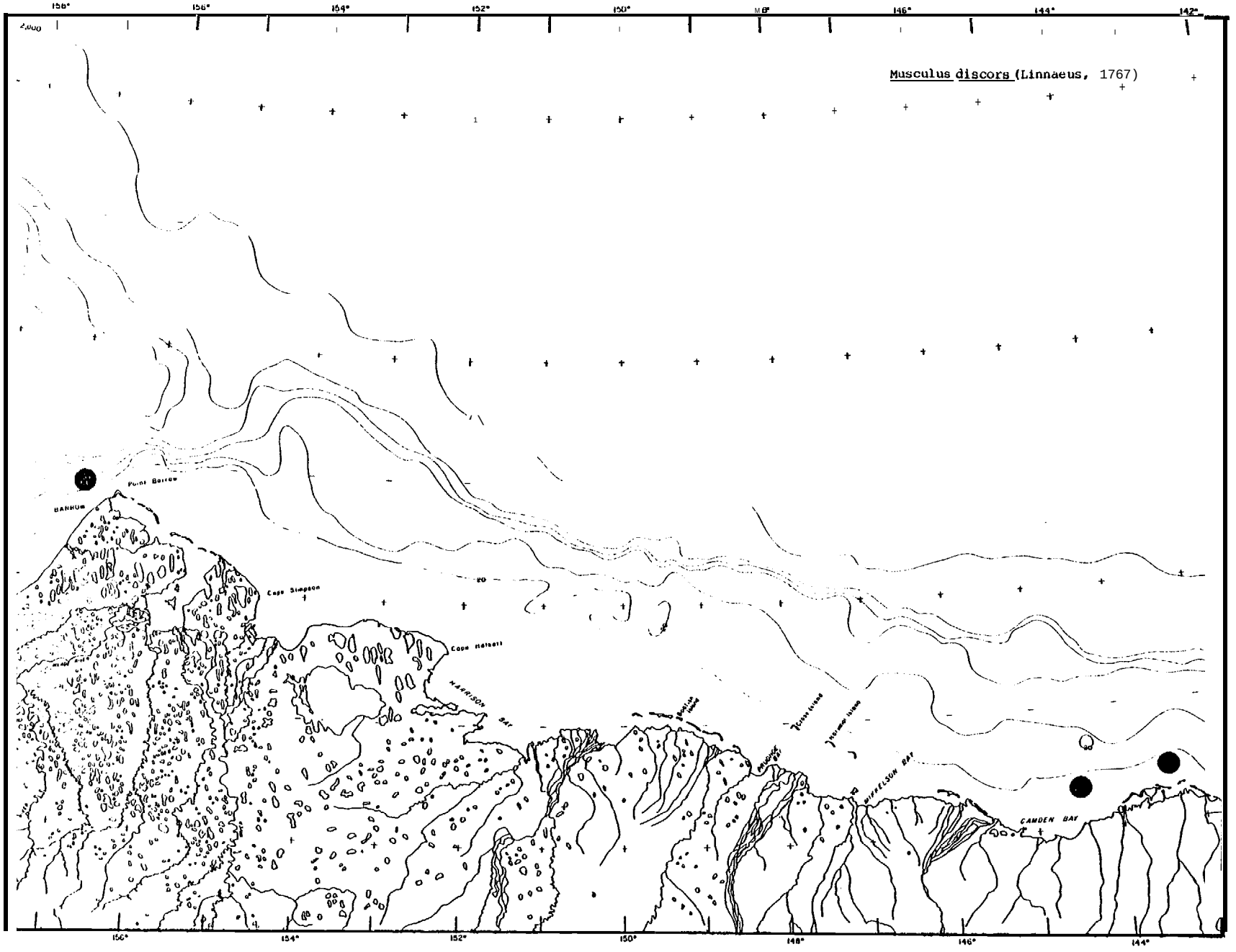

Macoma loveni (Jensen, 1905)
2,000
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

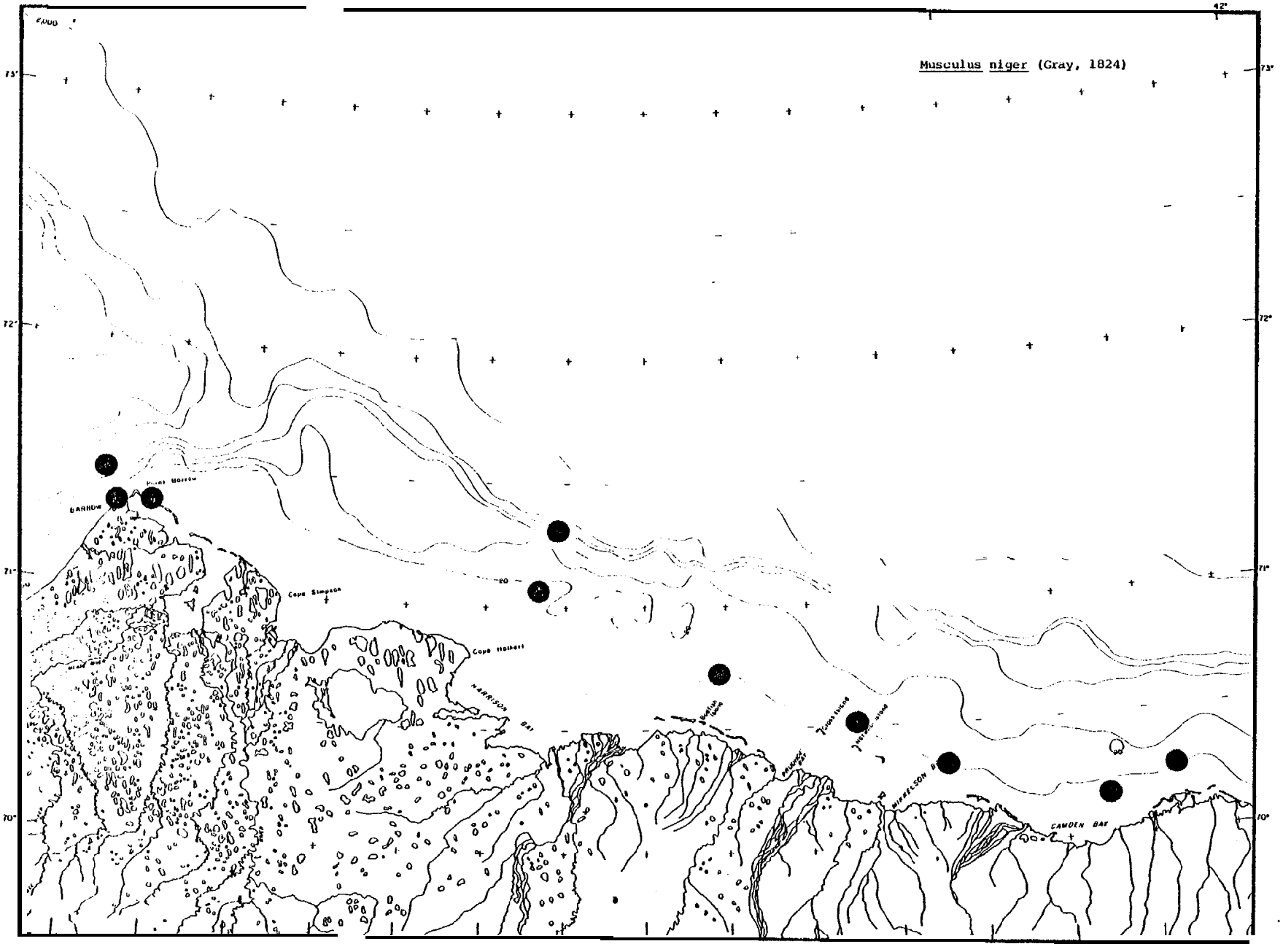

Macoma moesta (Deshayes, 1855)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY
73°
72°
71°
70°
144°

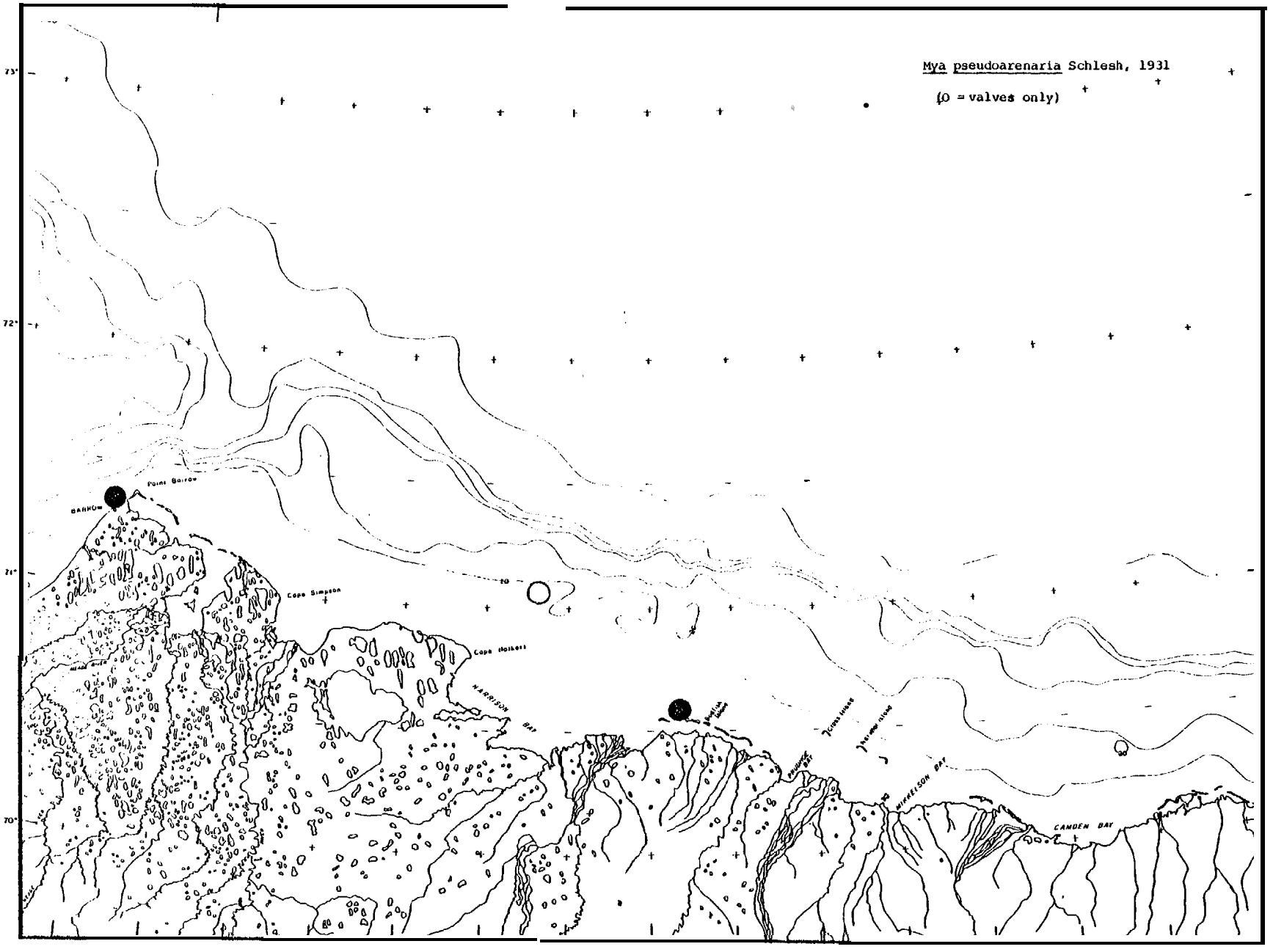

Malletia abyssopolaris Clarke, 1960
(valves only)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°

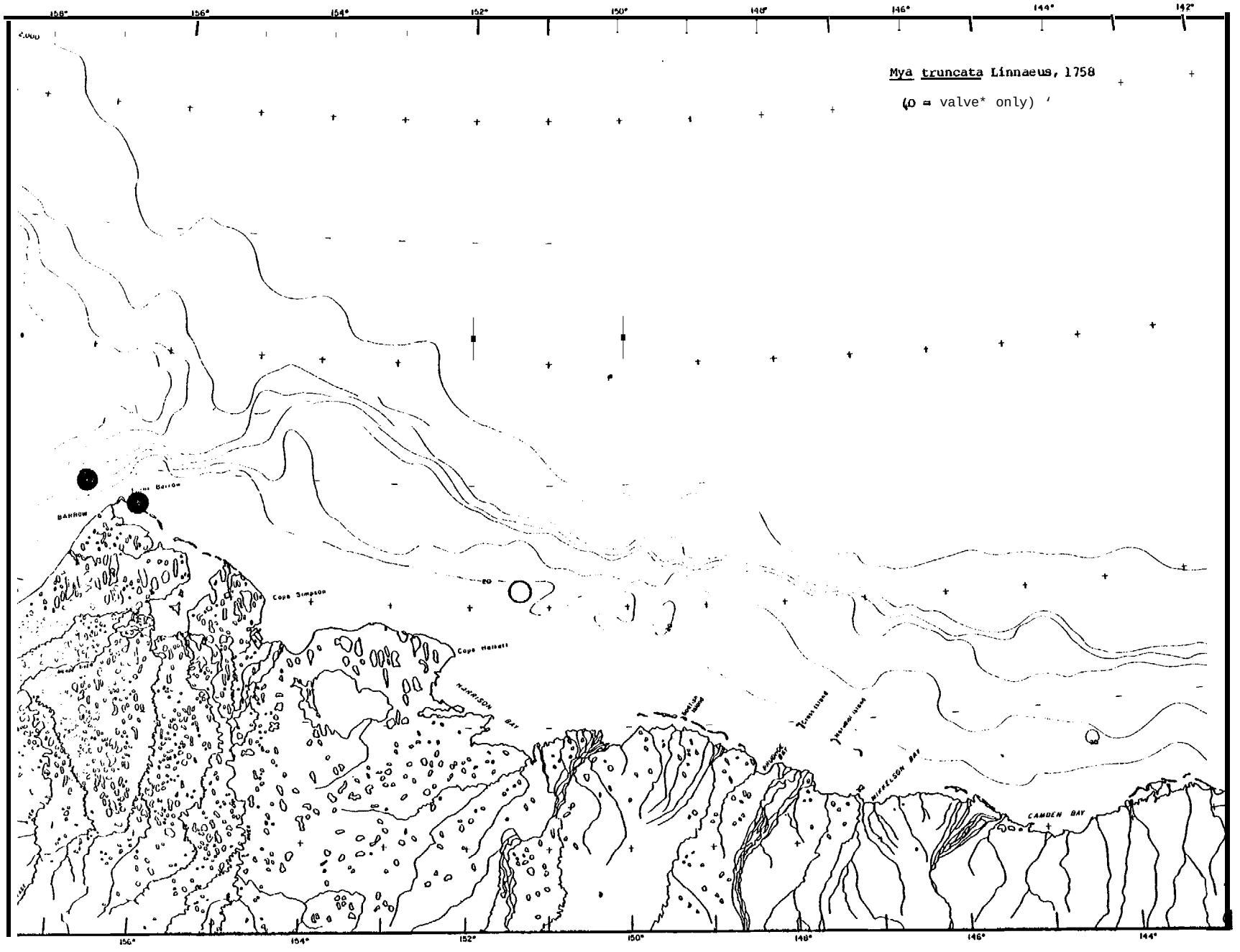

Montacuta dawsoni Jeff reys, 1863
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
LAMDEN BAY

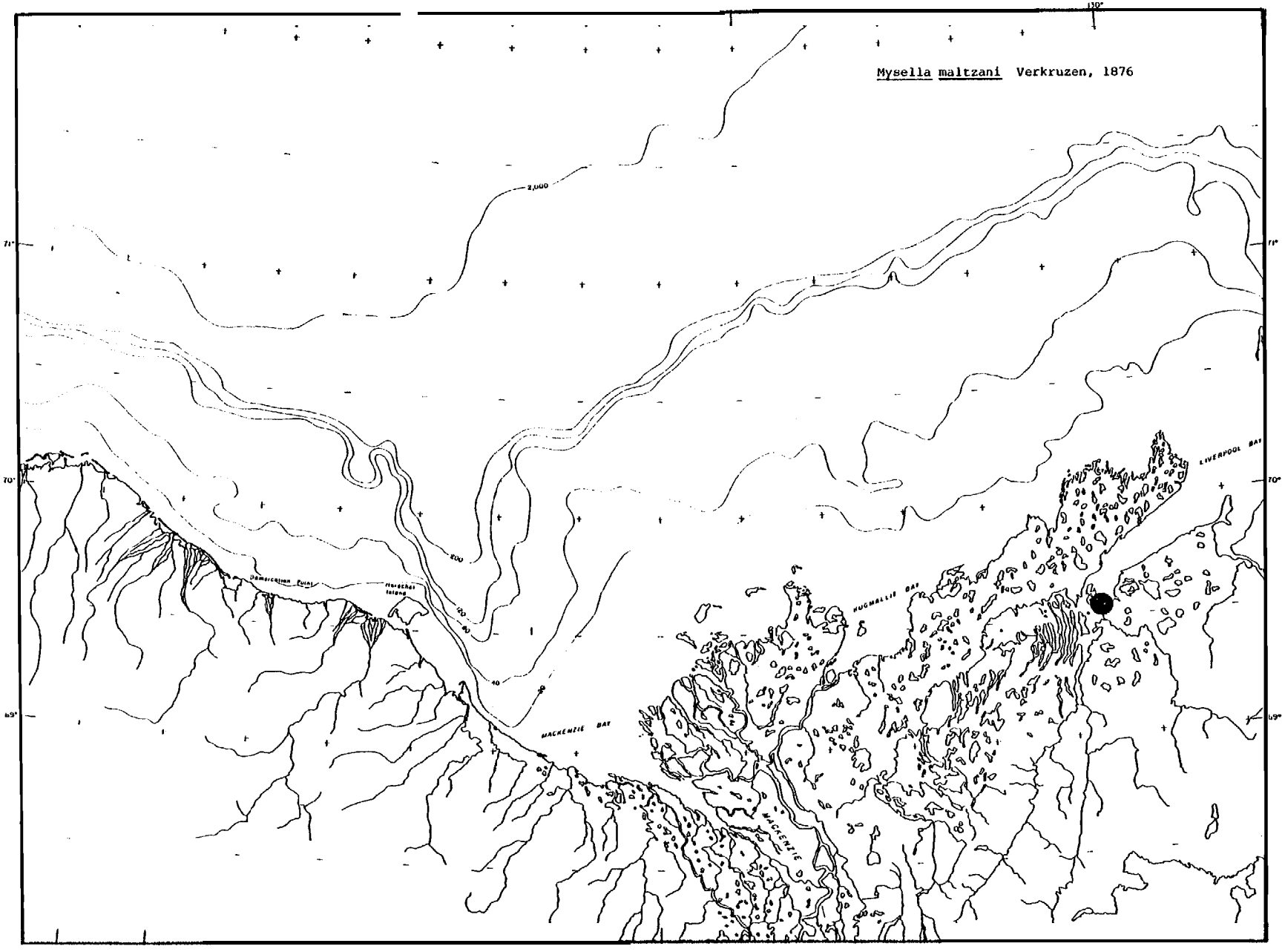

Musculus corrugatus (Stimpson, 1851)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CANDEN BAY
148°
146°
144°

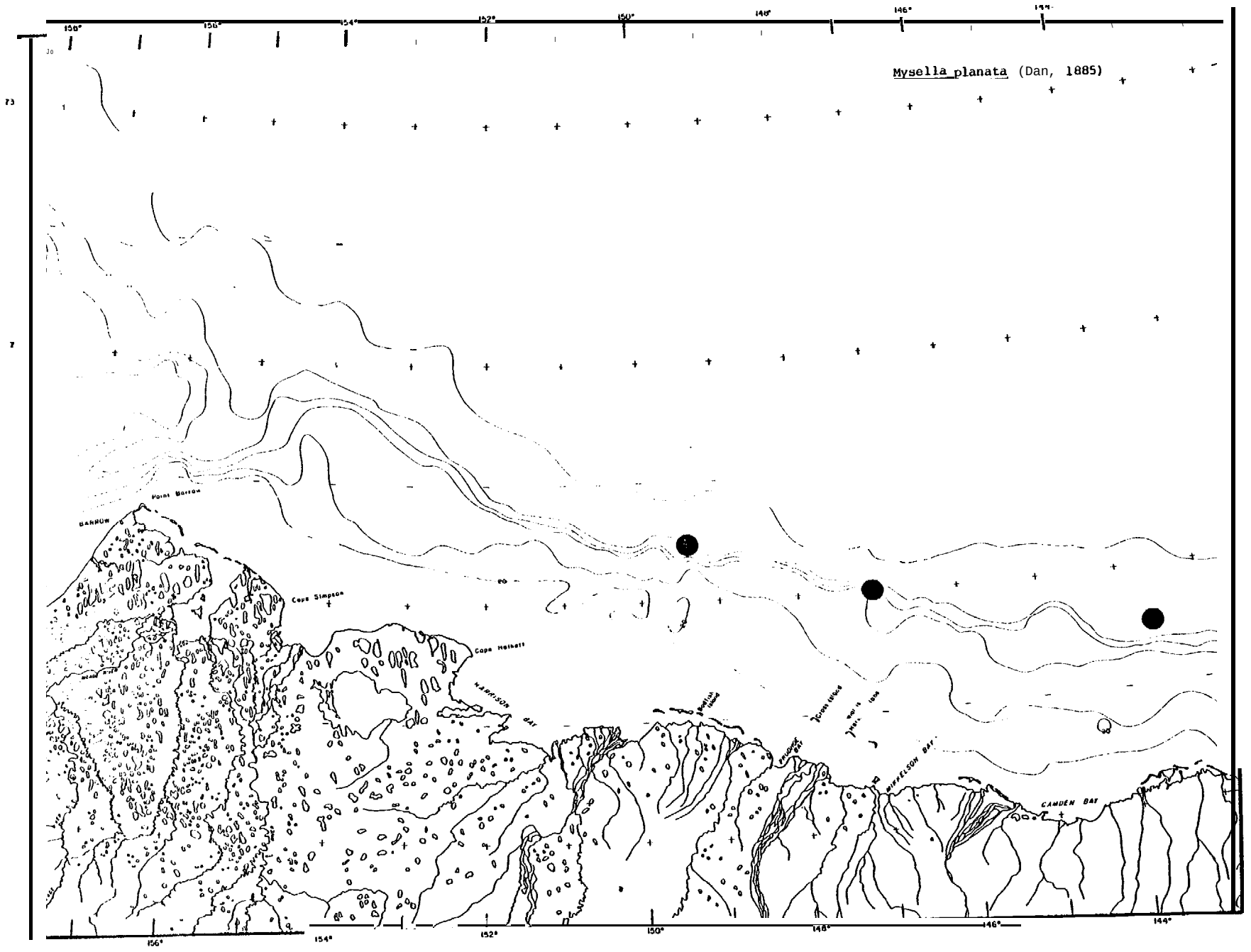

Musculus discors (Linnaeus, 1767)
Point Barrow
BANKS
Cape Simpson
Cape Halkett
HARRISON BAY
MIKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°
142°

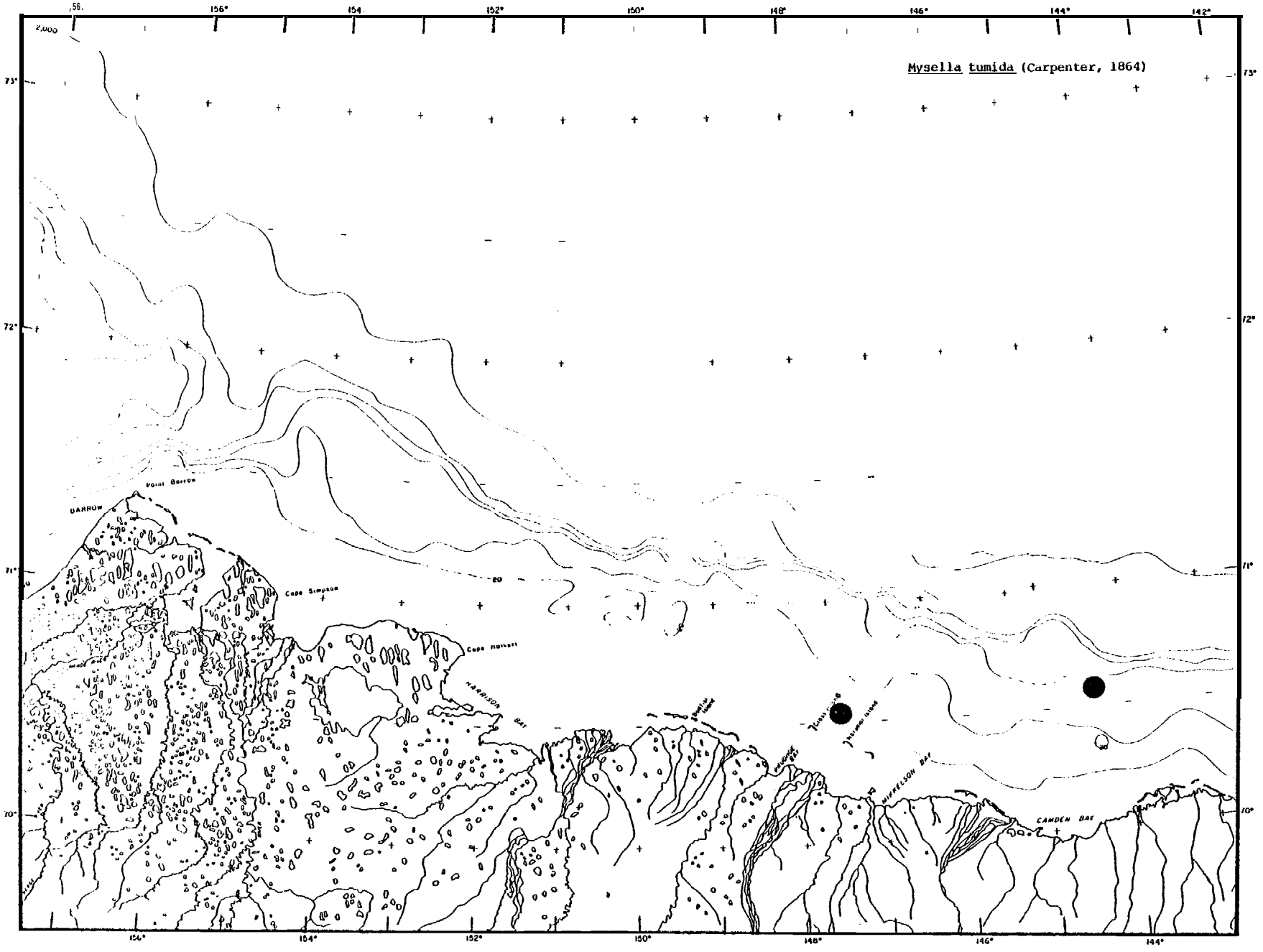

Musculus niger (Gray, 1824)
42°
73°
72°
71°
70°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

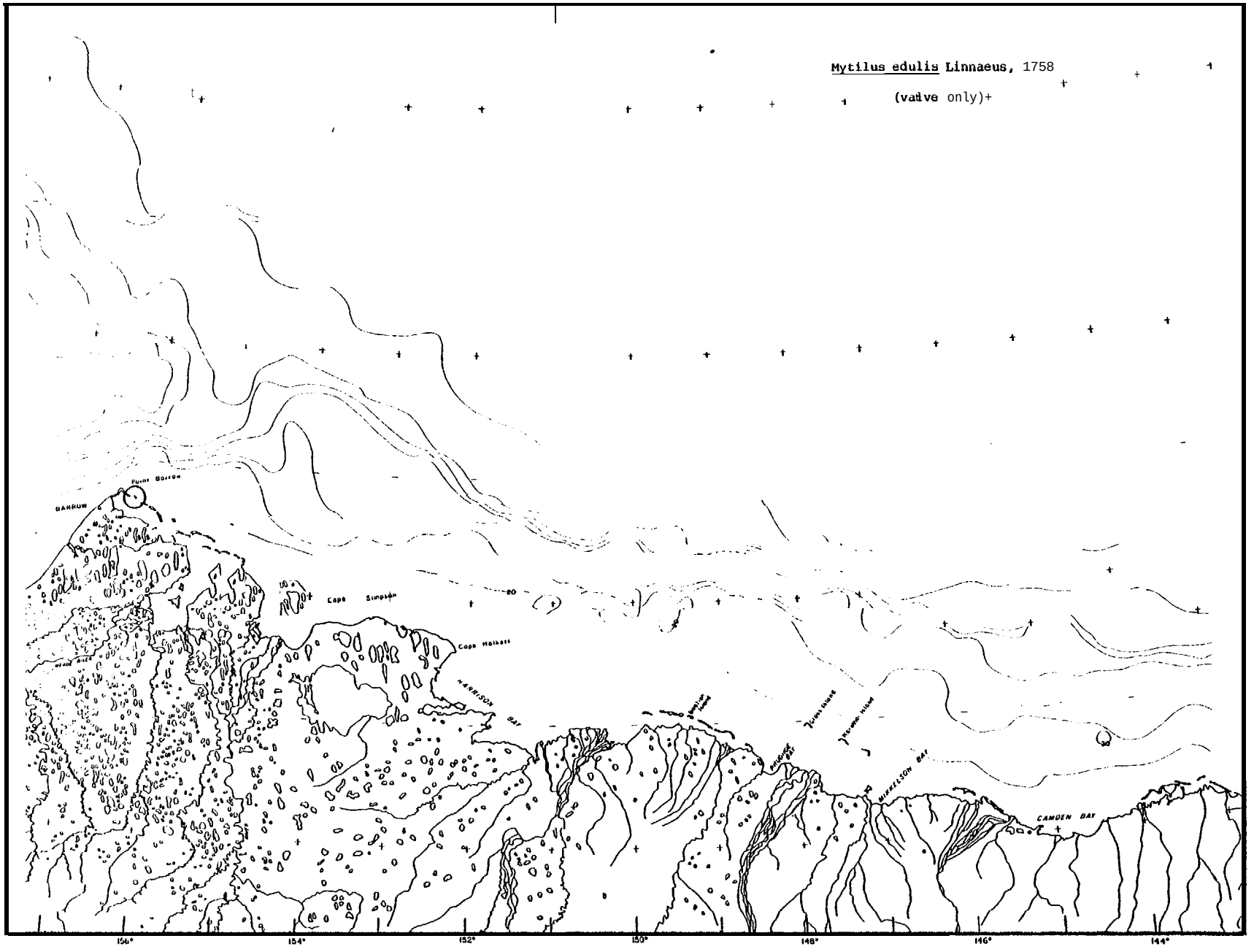

Mya pseudoarenaria Schlesh, 1931
(O = valves only)
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

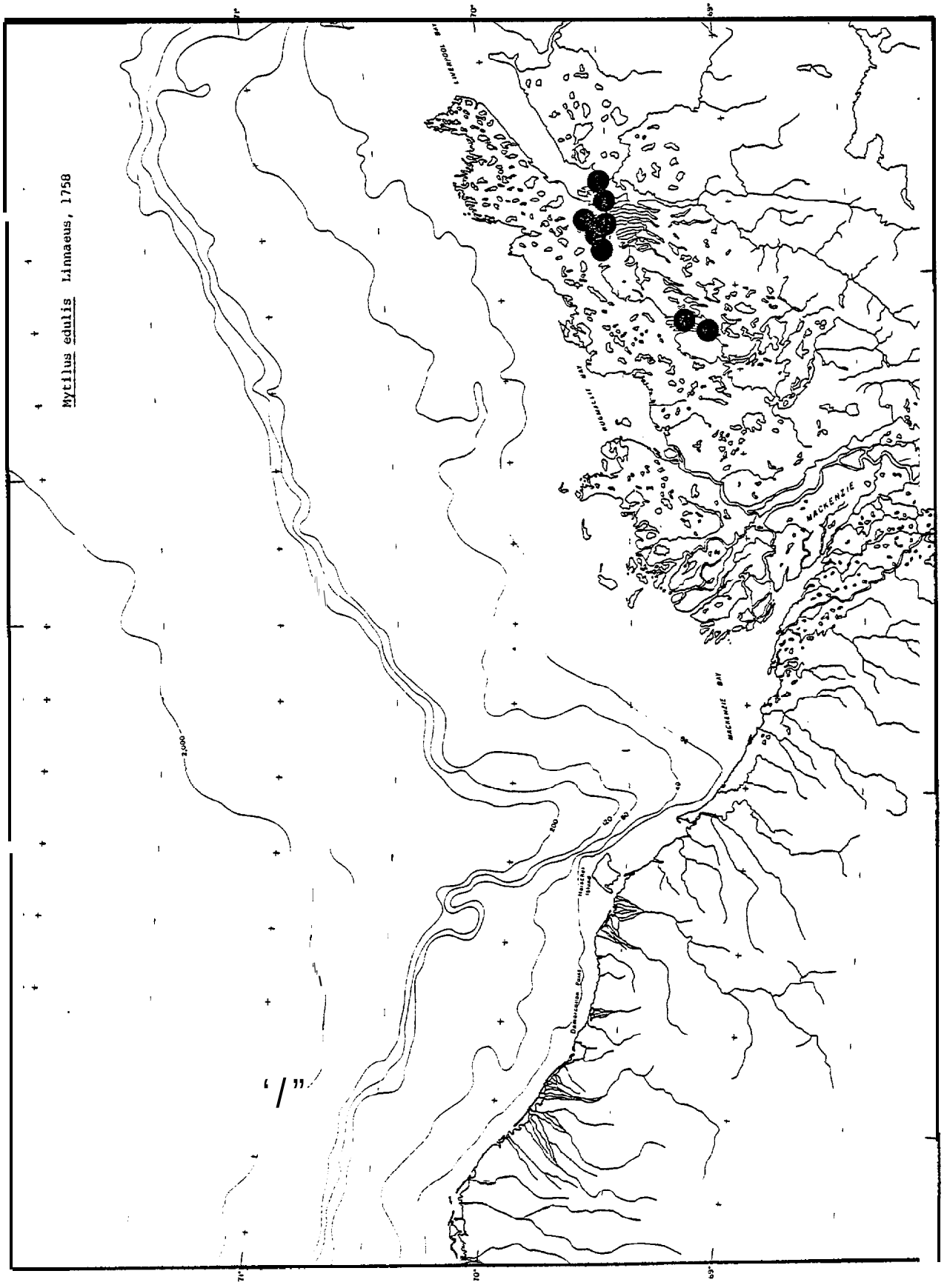

Mya truncata Linnaeus, 1758
(O = valve* only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY

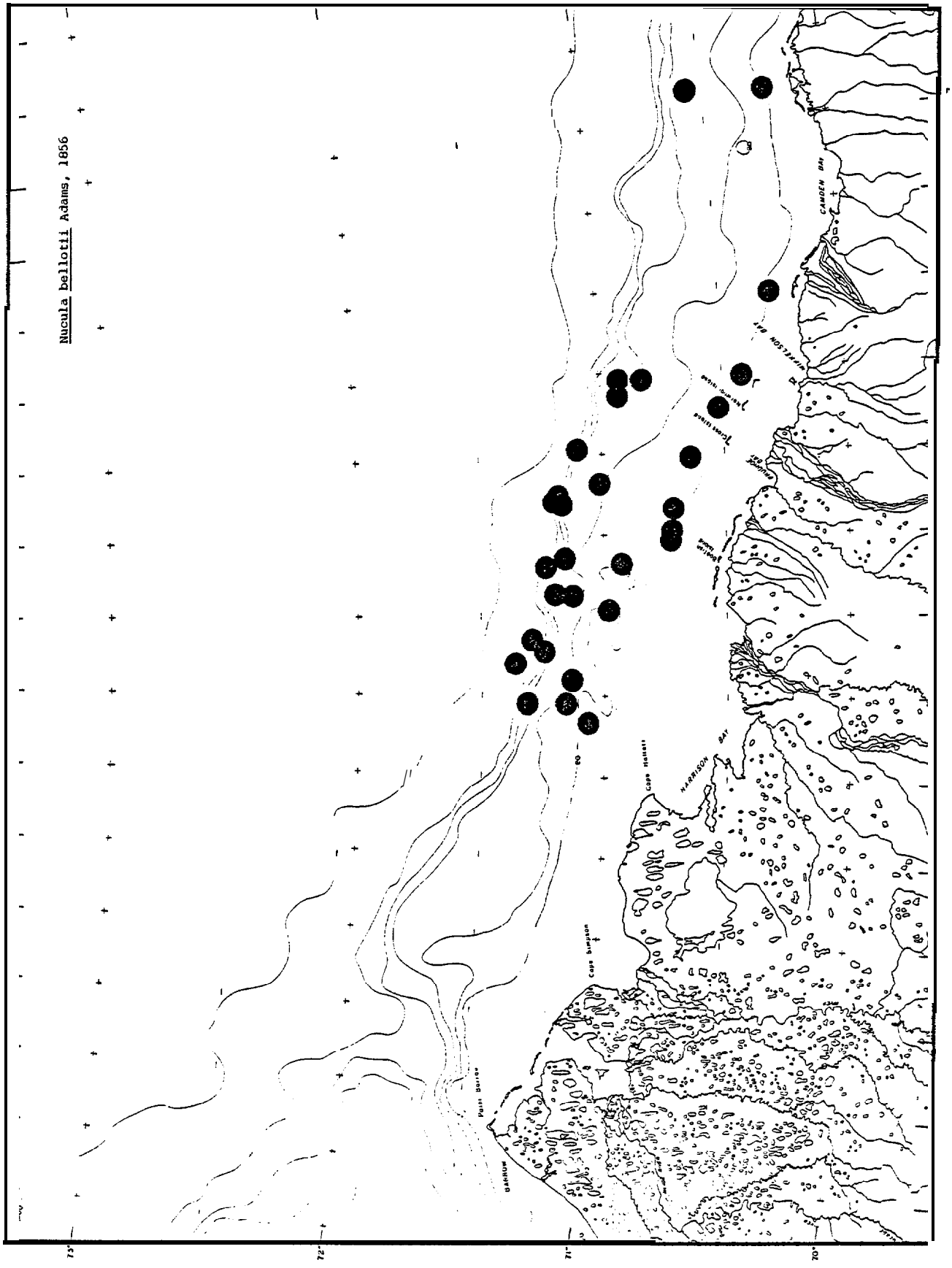

Mysella maltzani Verkruzen, 1876
130°
71°
70°
69°
2,000
200
120
80
40
20
Demarcation Point
Herschel Island
MACKENZIE BAY
HUGMALLIE BAY
LIVERPOOL BAY
MACKENZIE


Mysella planata (Dan, 1885)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

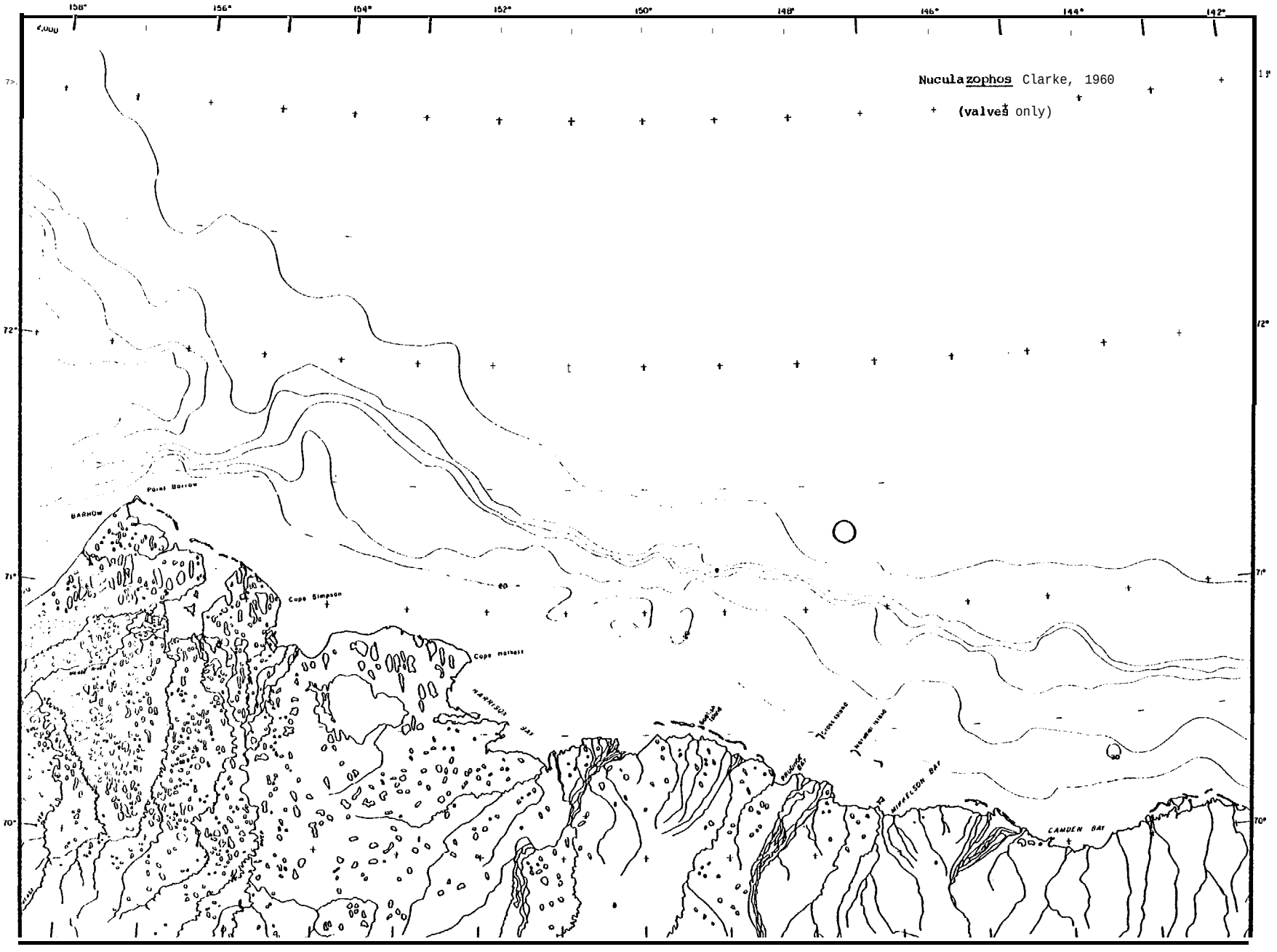

Mysella tumida (Carpenter, 1864)
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
2,000
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

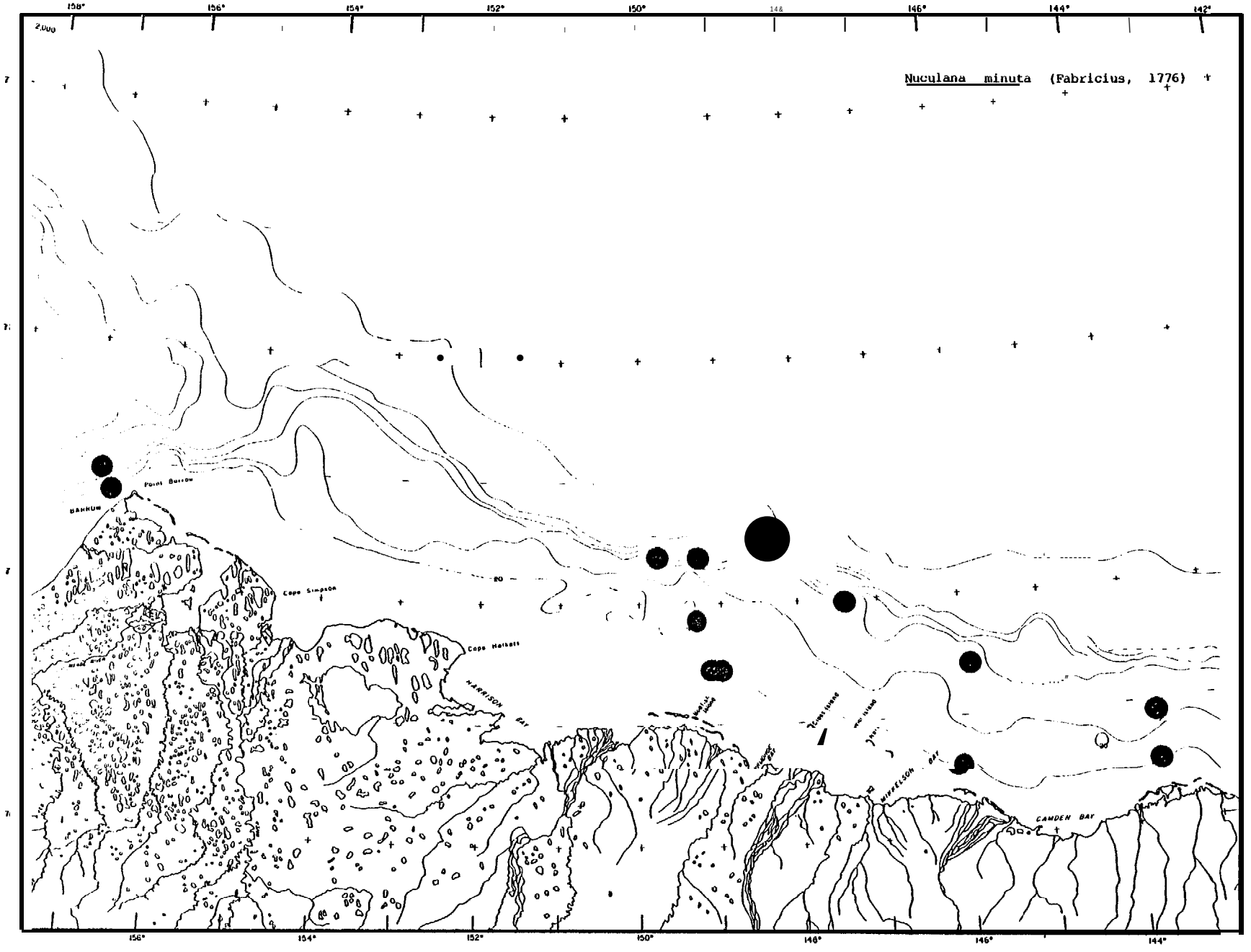

Mytilus edulis Linnaeus, 1758
(valve only)+
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°

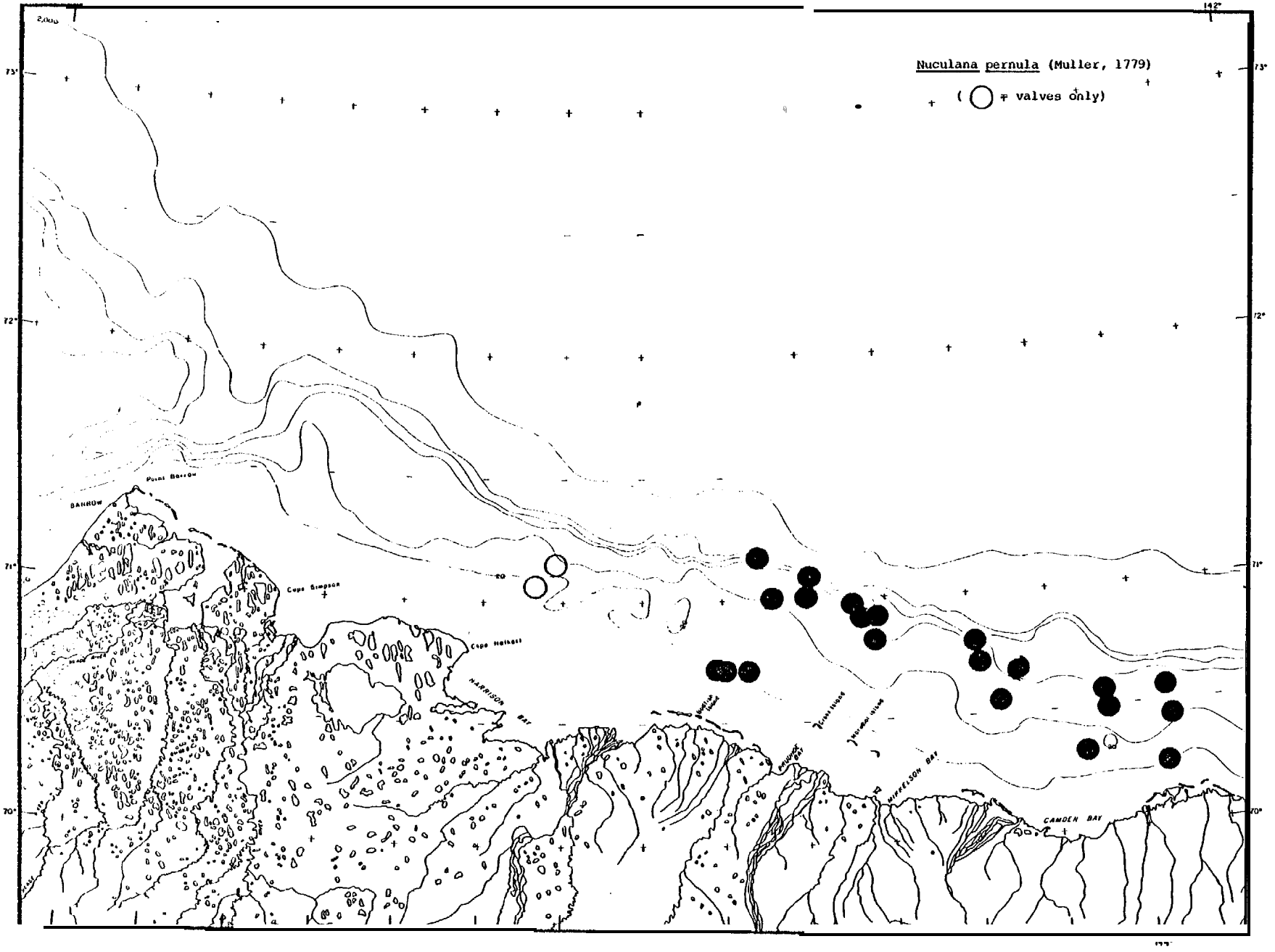

Mytilus edulis Linnaeus, 1758
LIVERPOOL BAY
MACKENZIE
MACKENZIE BAY
2,000
200
120
80
40
71°
70°
69°

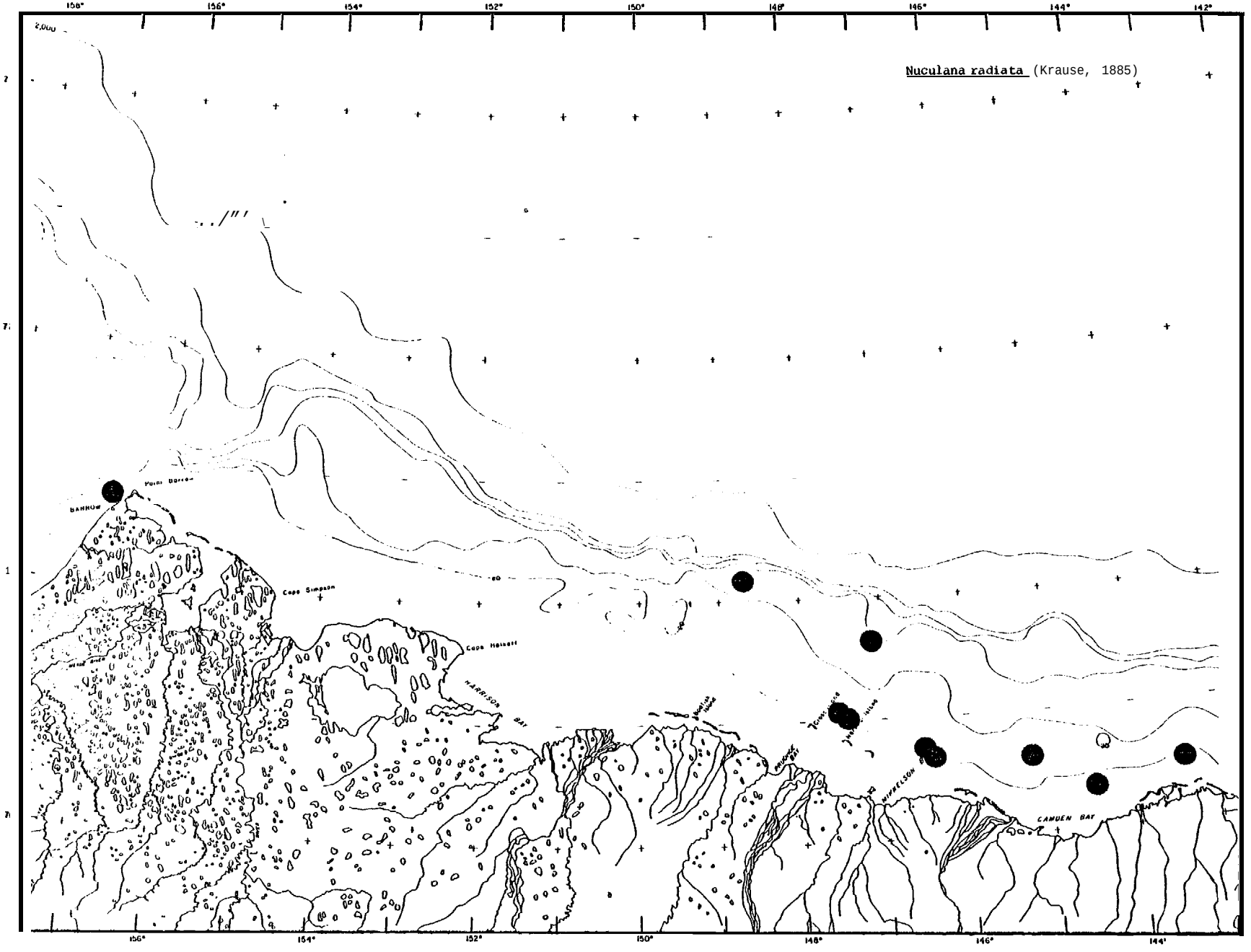


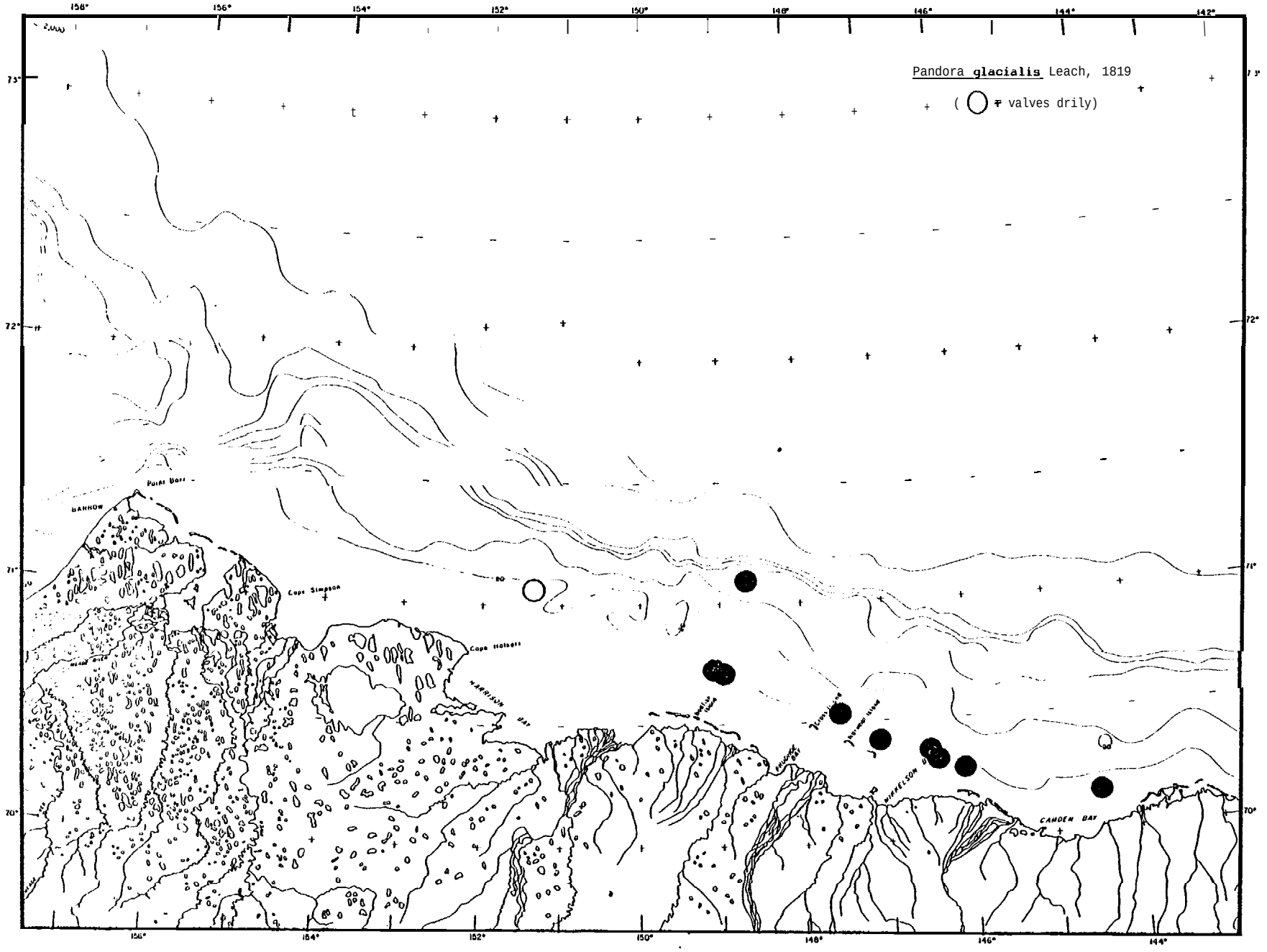
Nucula bellotii Adams, 1856

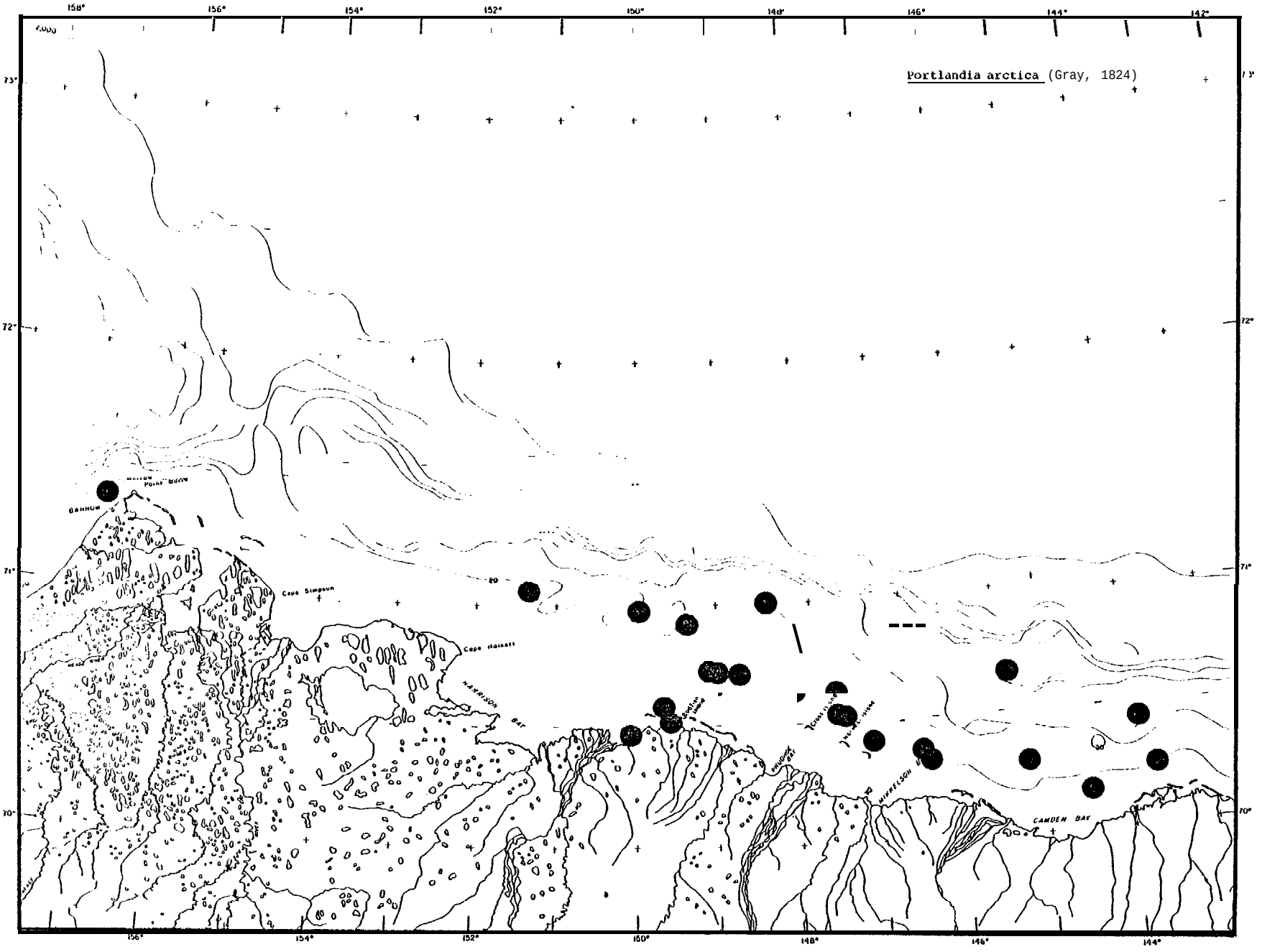

Nuculazophos Clarke, 1960
(valves only)
158°
156°
154°
152°
150°
148°
146°
144°
142°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
PRUDHOE BAY
MIKKELSON BAY
CAMDEN BAY

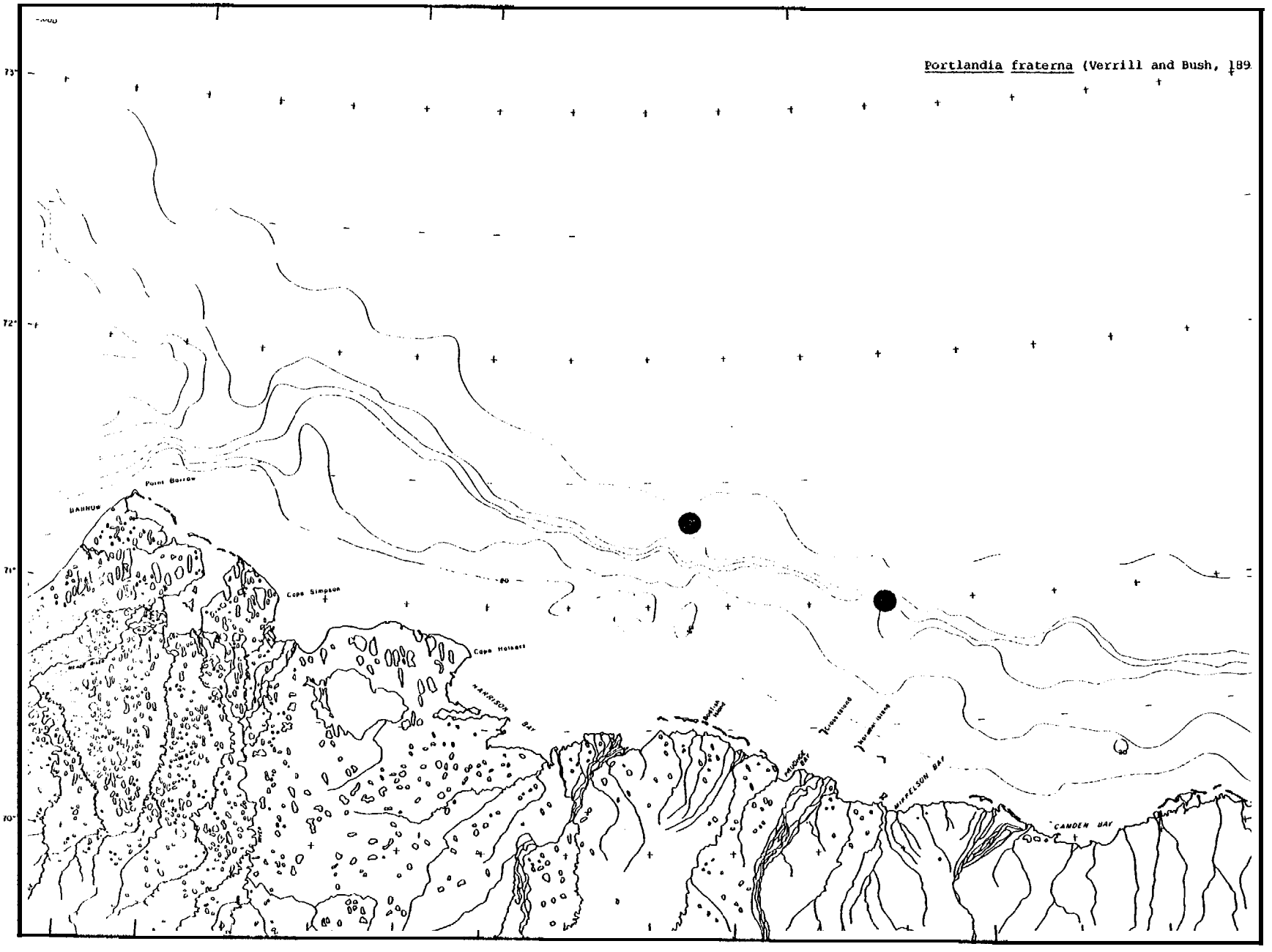

Nuculana minuta (Fabricius, 1776)
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
158°
156°
154°
152°
150°
146°
144°
142°

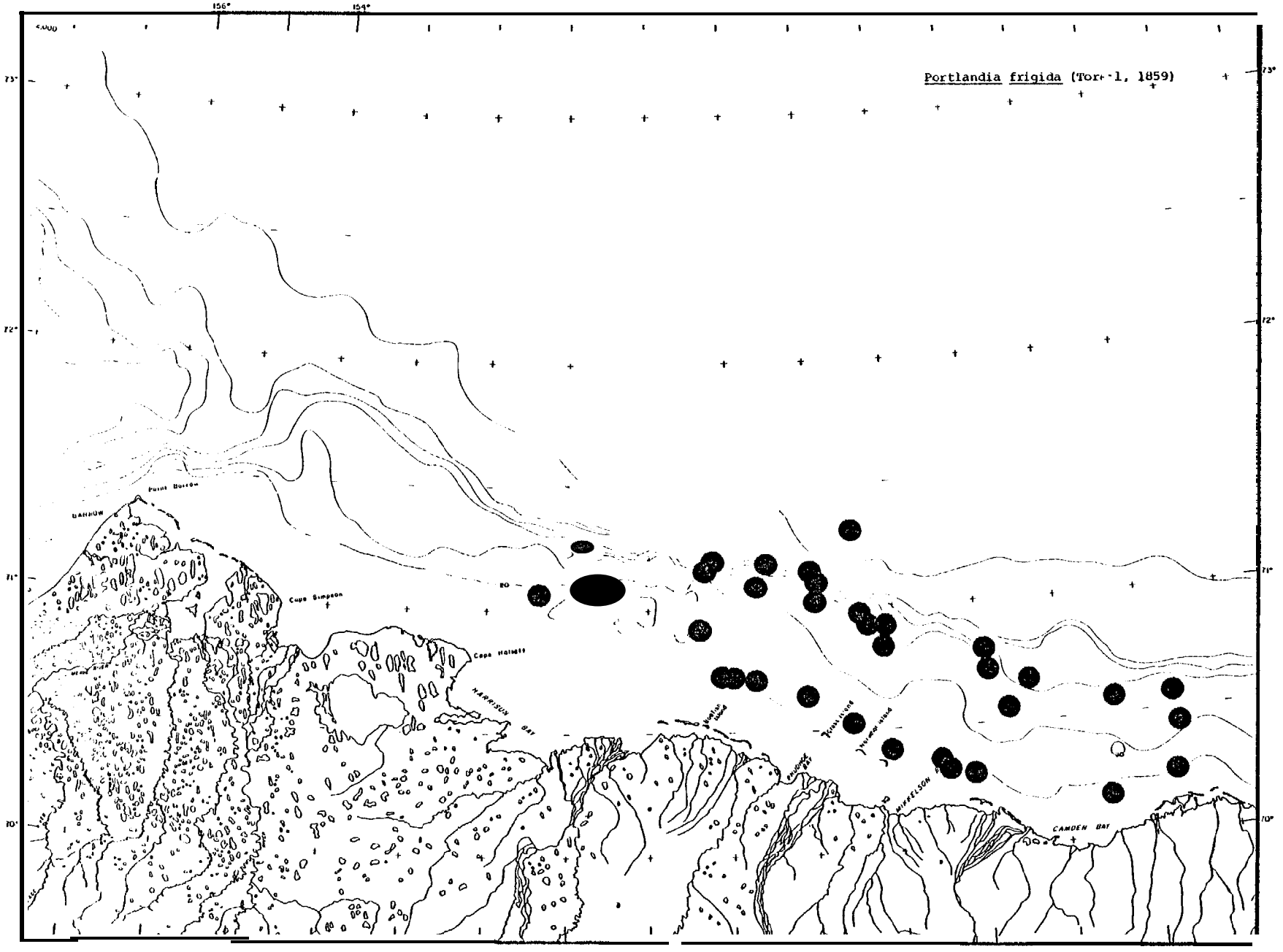

Nuculana pernula (Muller, 1779)
(○ = valves only)
73°
72°
71°
70°
142°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

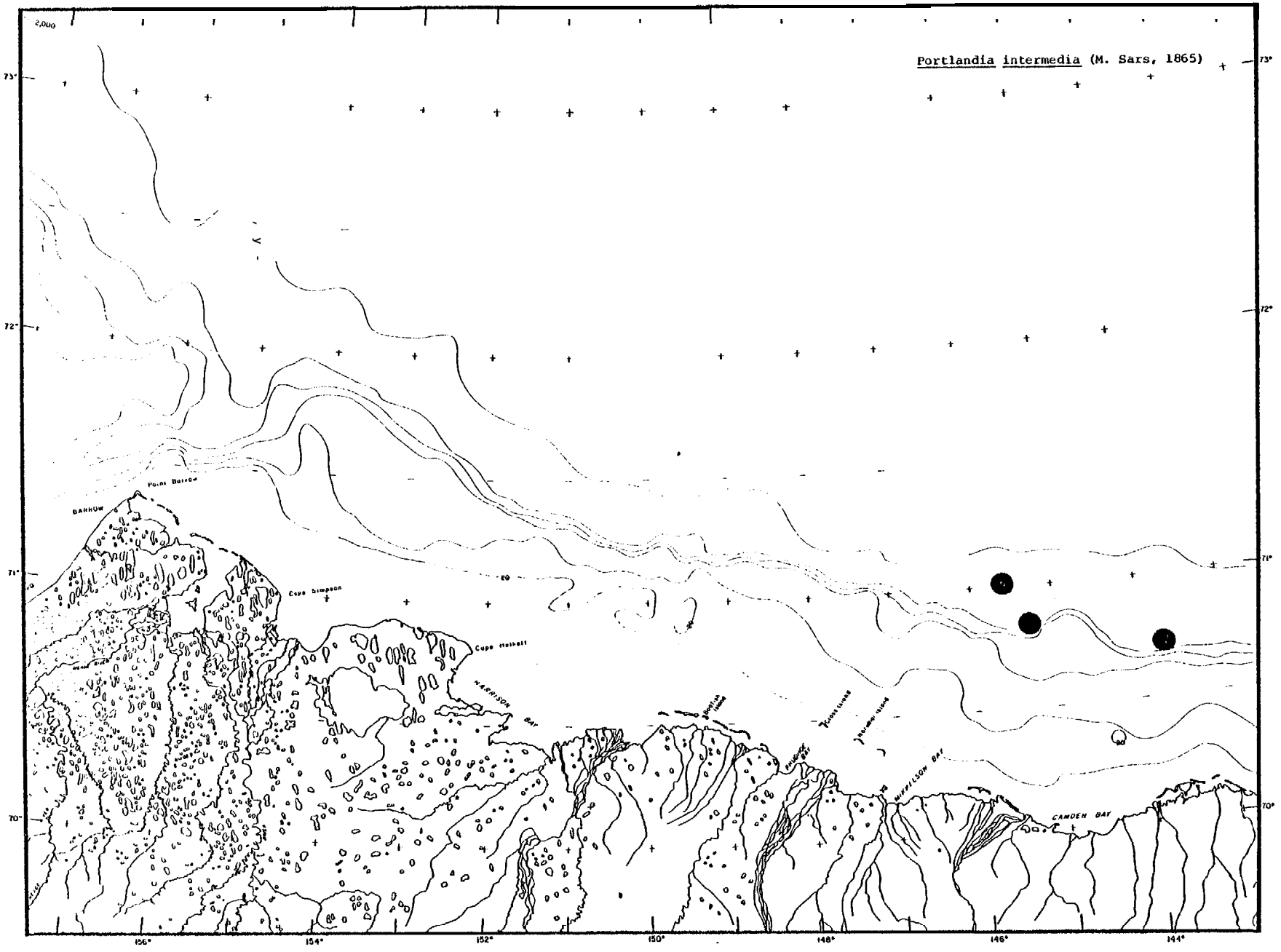

Nuculana radiata (Krause, 1885)
156°
154°
152°
150°
148°
146°
144°
142°
2,000
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
WIPPERSON
CAMDEN BAY

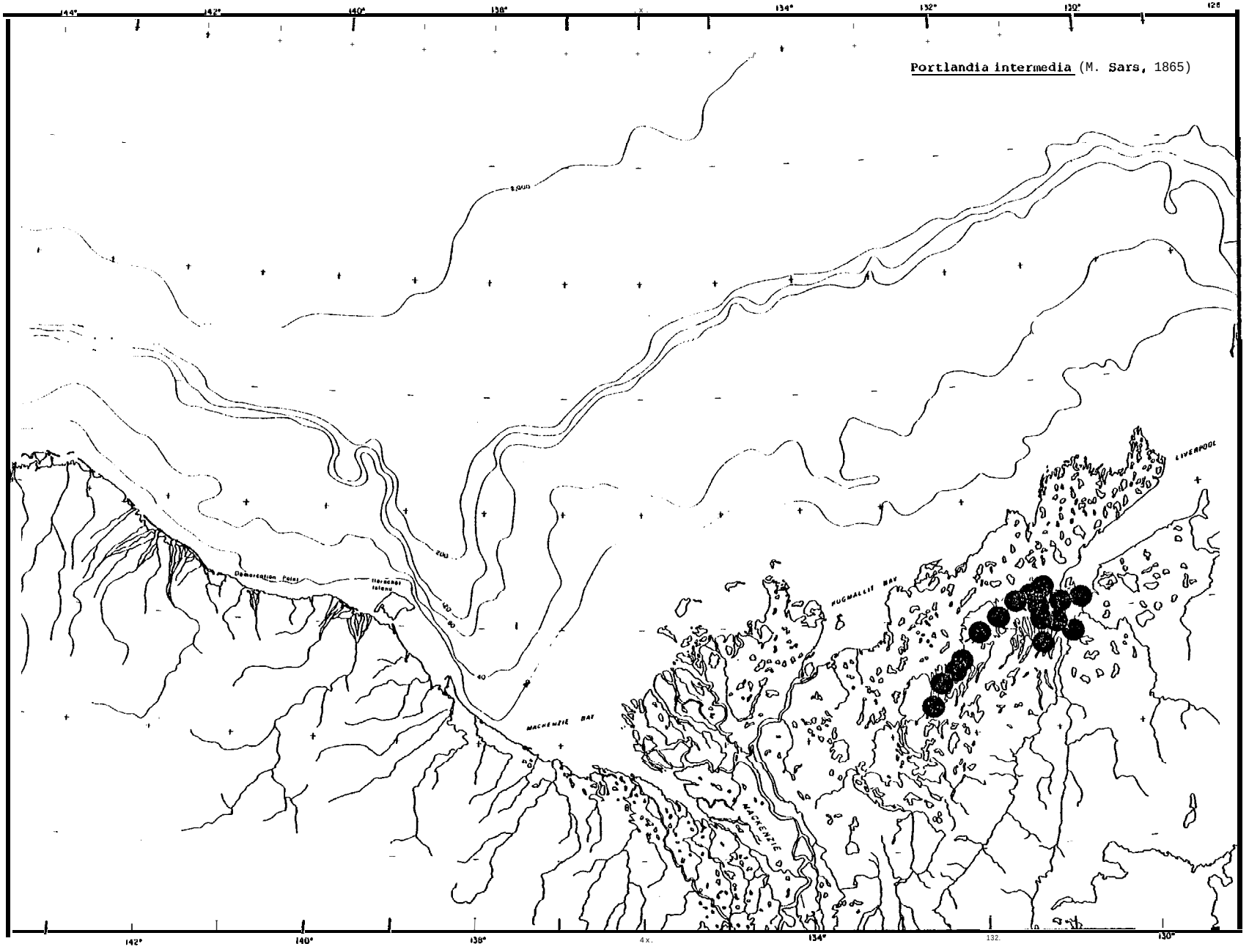

Pandora glacialis Leach, 1819
(valves drily)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
HARRISON
CAMDEN BAY


Portlandia arctica (Gray, 1824)
158°
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY

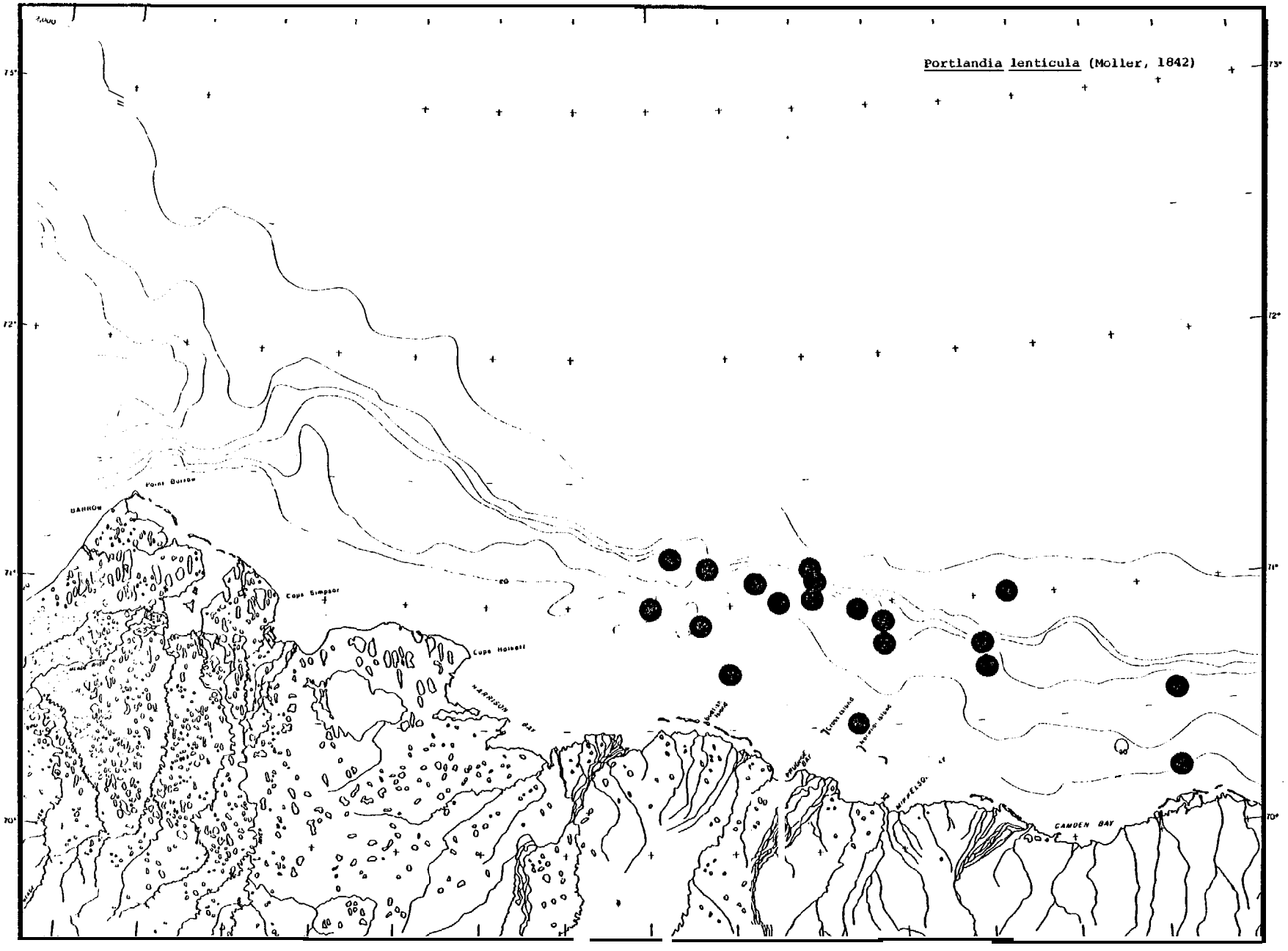

Portlandia fraterna (Verrill and Bush, 189
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIFFELSON BAY
CAMDEN BAY

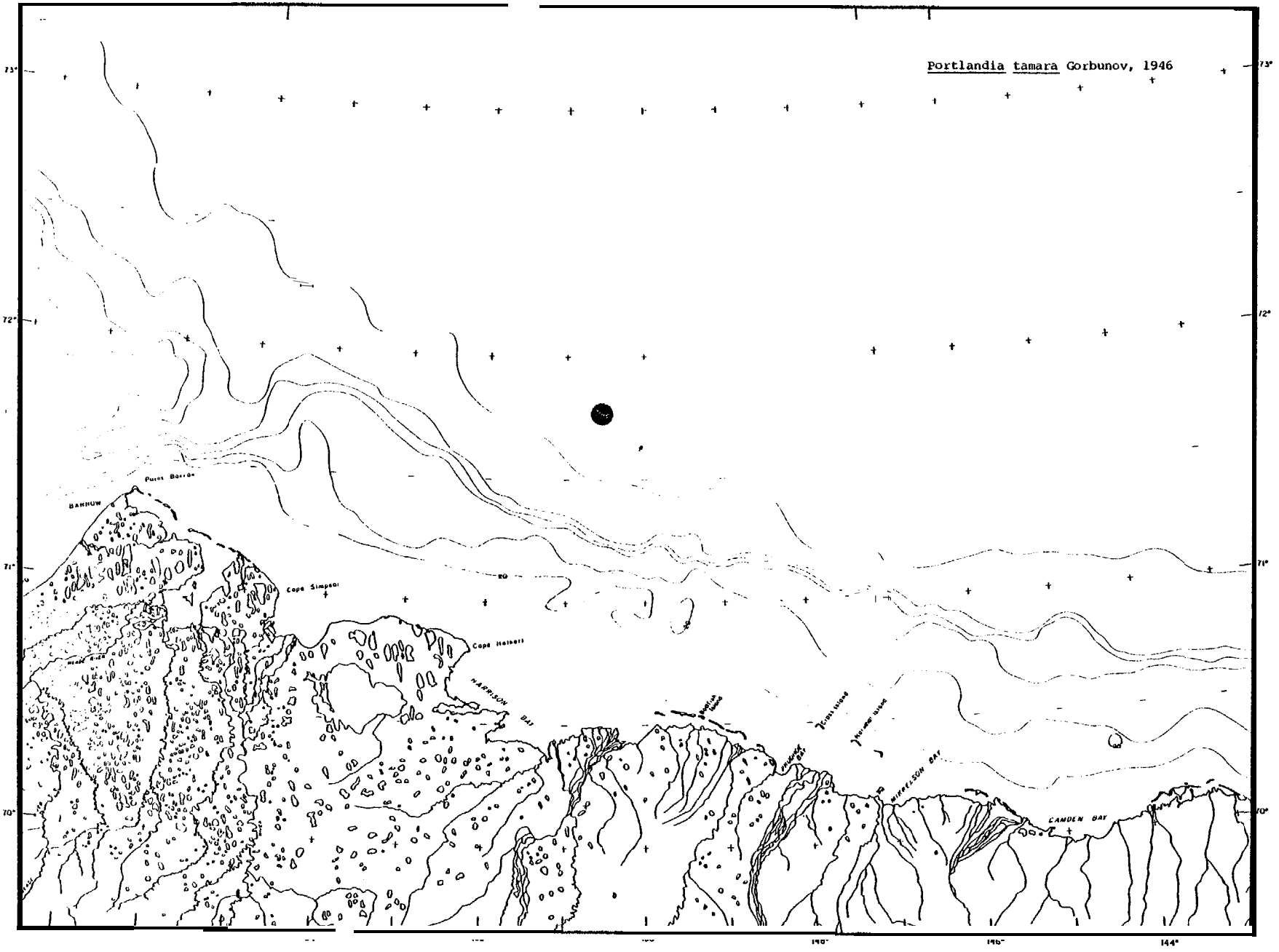

Portlandia frigida (Torell, 1859)
156°
154°
73°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY

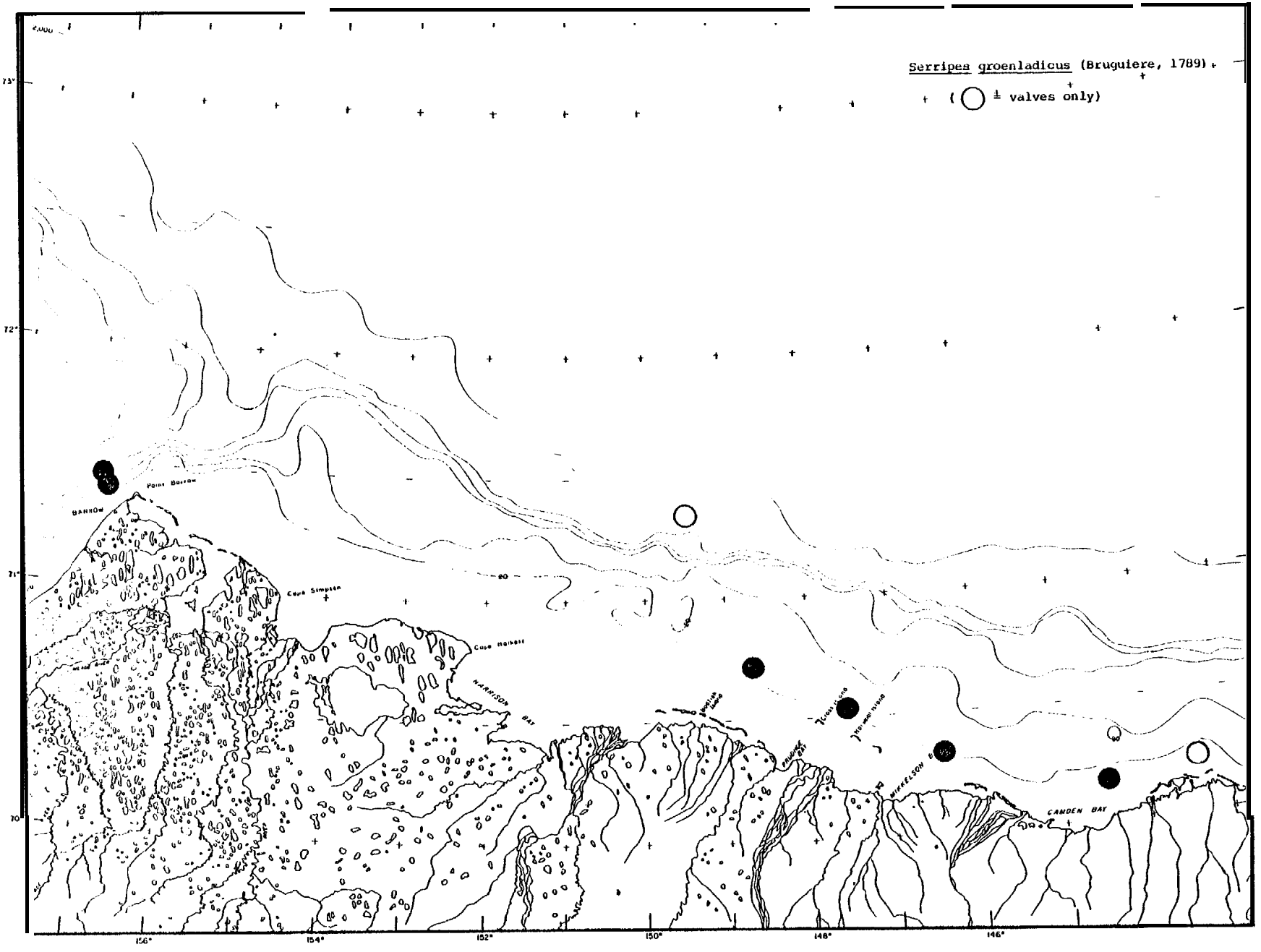

Portlandia intermedia (M. Sars, 1865)
2,000
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

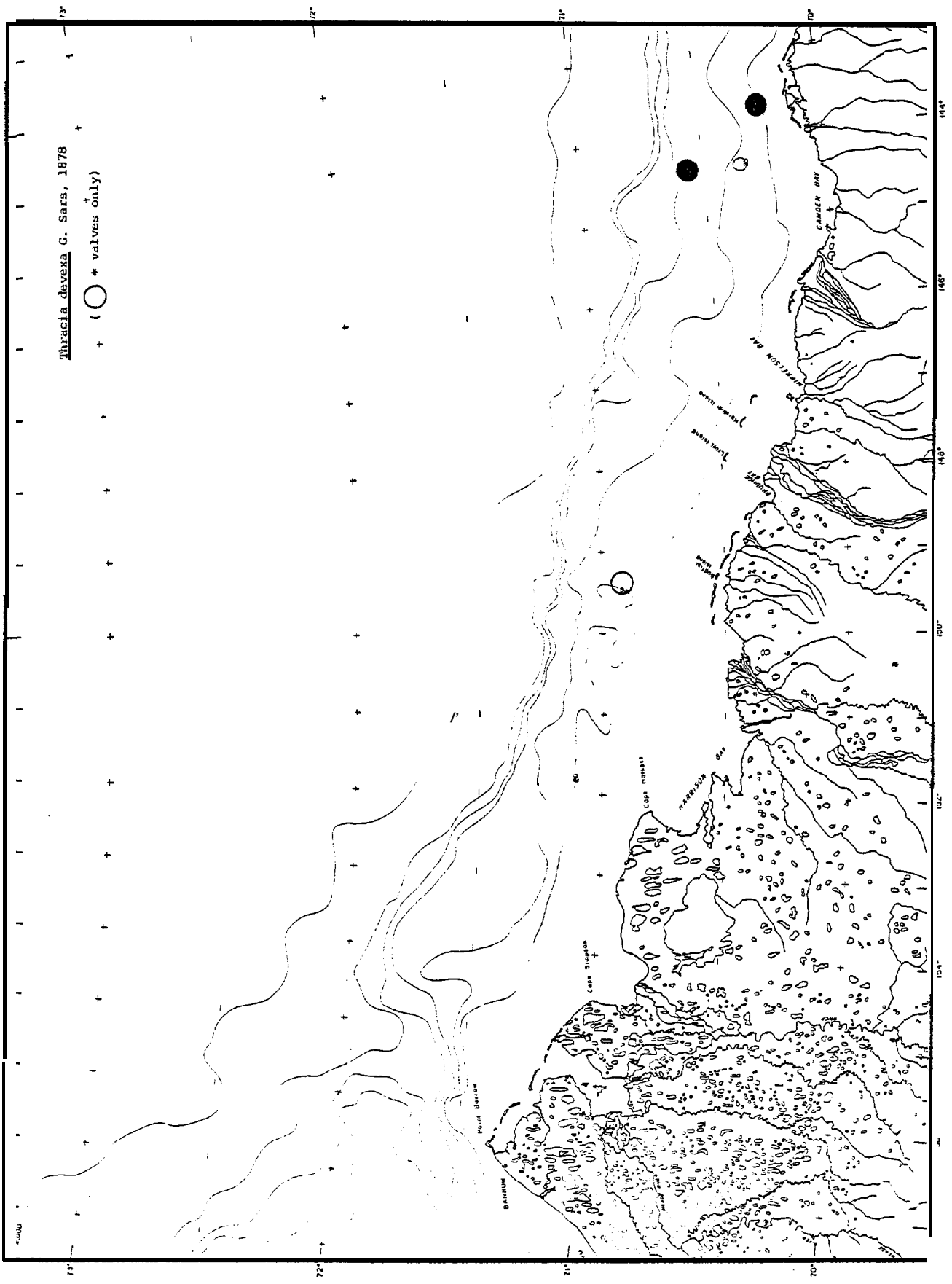


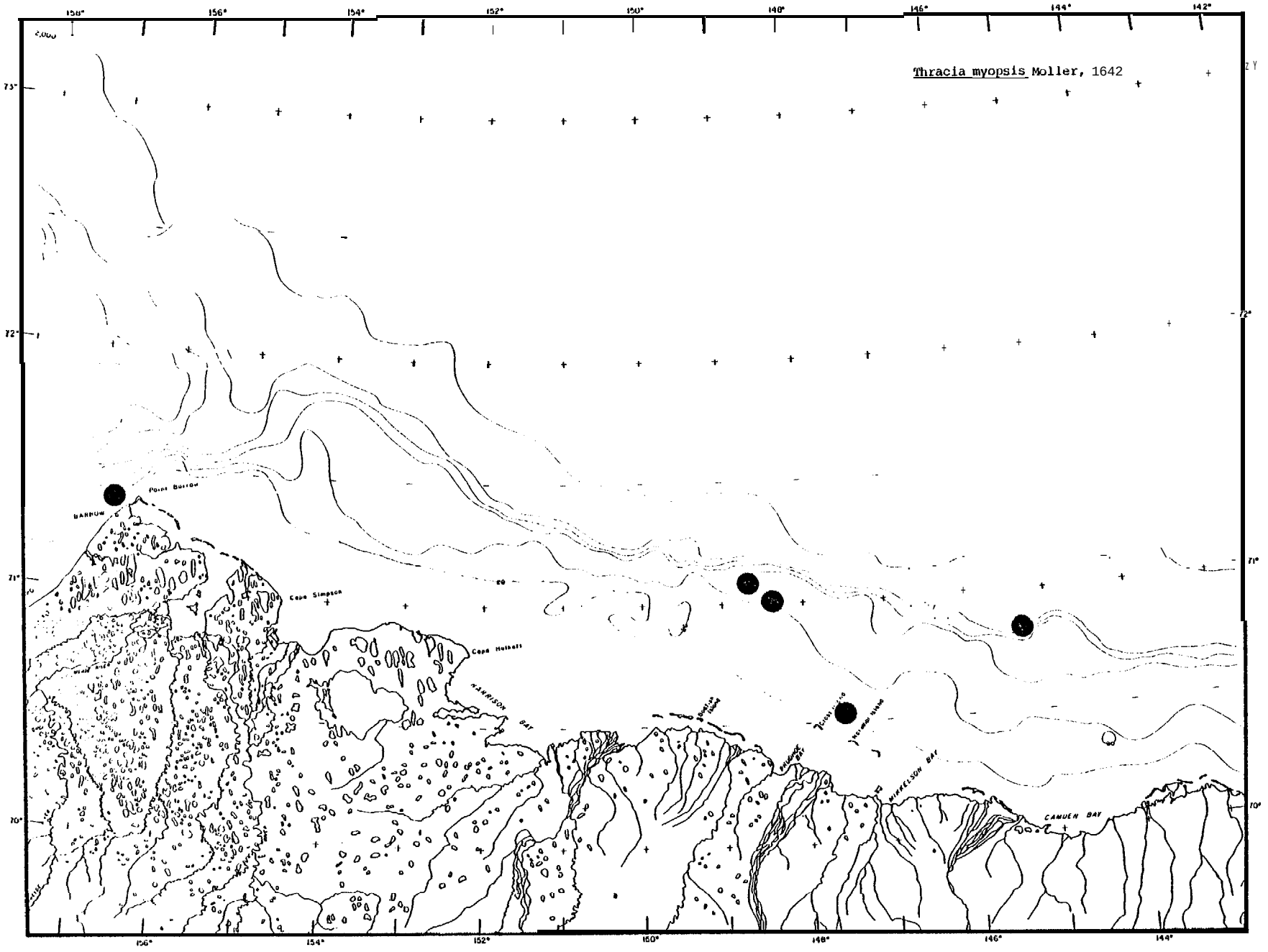
Portlandia intermedia (M. Sars, 1865)

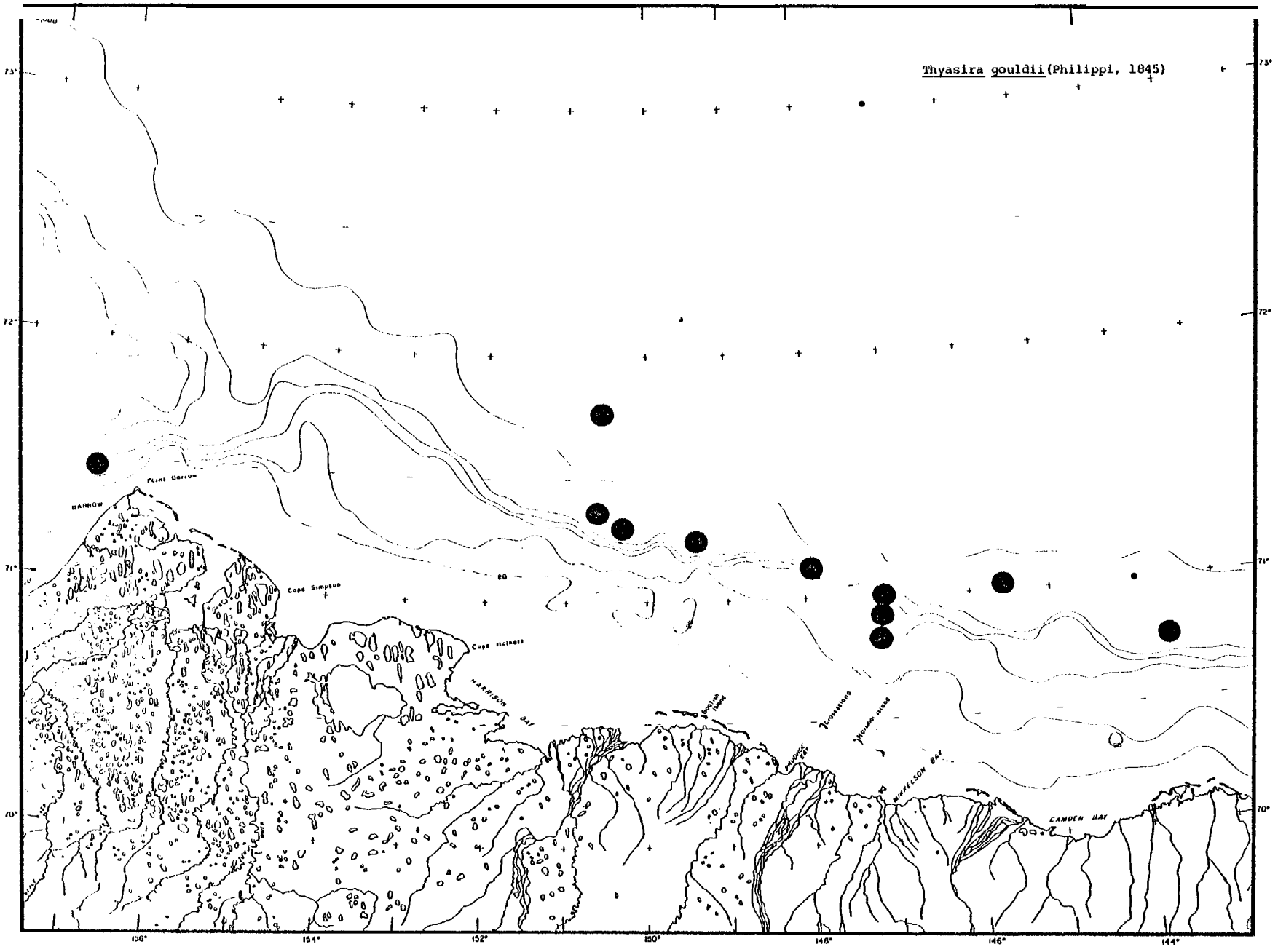

Portlandia lenticula (Moller, 1842)
75°
72°
71°
70°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
CAMDEN BAY

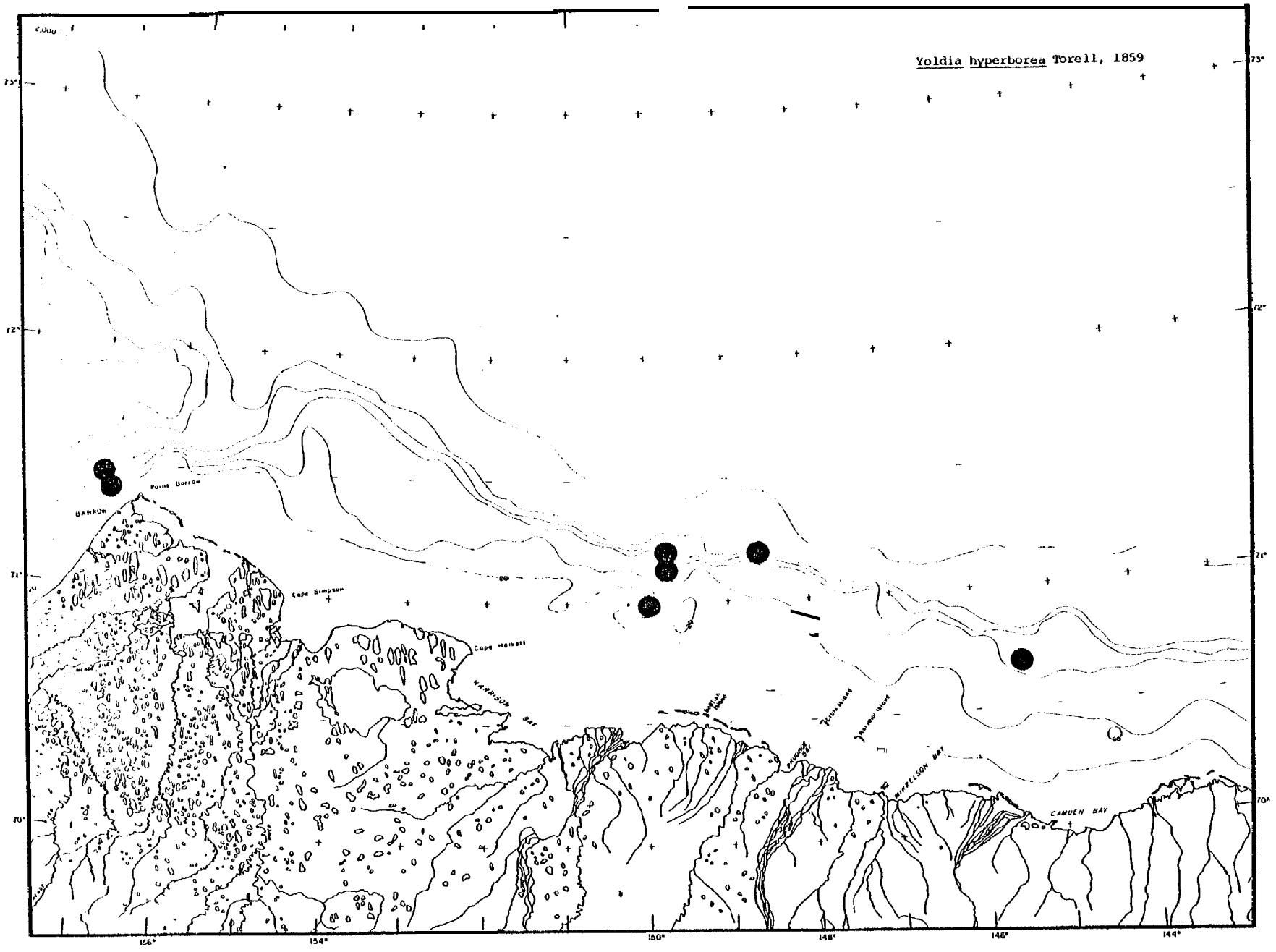

Portlandia tamara Gorbunov, 1946
73°
72°
71°
70°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY

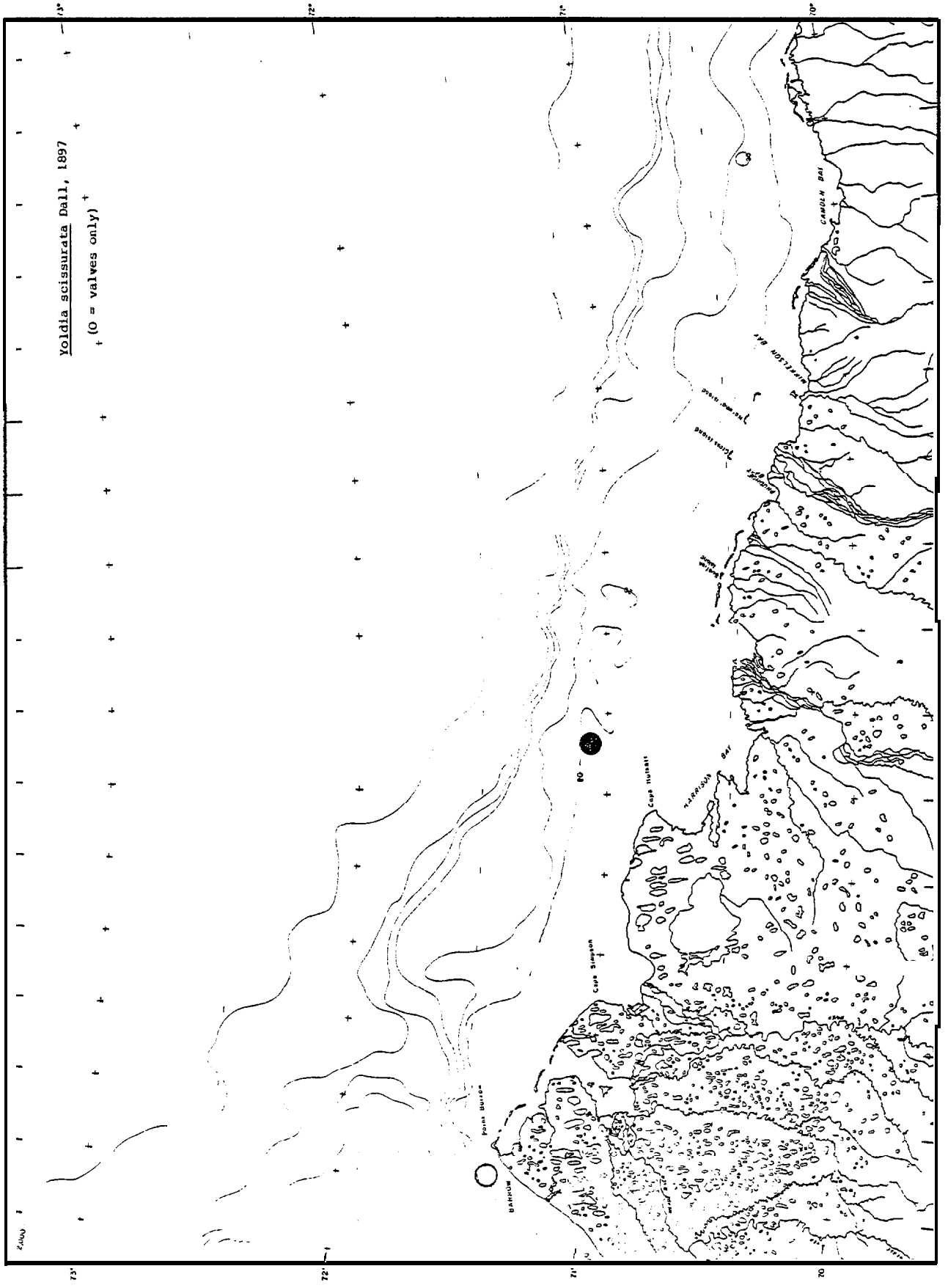

Serripes groenladicus (Bruguiere, 1789)
(± valves only)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON
CAMDEN BAY


Thracia devexa G. Sars, 1878
(○ * valves only)
CAMDEN BAY
MIRRELSON BAY
HARRISON BAY
Cape Simpson
Point Barrow
BARROW


Thracia myopsis Moller, 1642
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
MIKKELSON BAY
CAMDEN BAY
156°
154°
152°
150°
148°
146°
144°
142°
73°
72°
71°
70°


Thyasira gouldii (Philippi, 1845)
73°
72°
71°
70°
156°
154°
152°
150°
148°
146°
144°
Point Barrow
BARROW
Cape Simpson
Cape Halkett
HARRISON BAY
WAINWRIGHT BAY
CAMDEN BAY


Yoldia hyperborea Torell, 1859
73°
72°
71°
70°
156°
154°
150°
148°
146°
144°
BARROW
Point Barrow
Cape Simpson
Cape Halkett
HARRISON BAY
MIKELSON BAY
CAMDEN BAY


Yoldia scissurata Dall, 1897
(O = valves only)
CAMDEN BAY
MIKKELSON BAY
HARRISON BAY
Cape Hulkert
Cape Simpson
Point Barrow
BARROW
73°
72°
71°
70°