



**GEOLOGICAL
SURVEY
OF
CANADA**

**DEPARTMENT OF ENERGY,
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PAPER 67-16

**PUBLISHED REFERENCES TO
CHAMPLAIN SEA FAUNAS 1837-1966 AND
LIST OF FOSSILS**

Frances J. E. Wagner



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CONTENTS

	Page
Abstract	v
Introduction	1
Part I	
Published references to Champlain Sea Faunas, 1837-1966	2
Bibliography	56
Part II	
List of fossil names and name changes	63
Table I Faunal list, Sir Charles Lyell, 1845	4
II Faunal list, J. W. Dawson, 1857	6
III Faunal list, Sir W. E. Logan, 1863	9
IV Faunal list, J. W. Dawson, 1871	13
V Faunal list, Sir J. W. Dawson, 1893	21
VI Faunal list, W. Goldring, 1922	42

ABSTRACT

All published references to the faunas of the Pleistocene Champlain Sea are presented and are followed by an alphabetical list of fossil names and name changes.

PUBLISHED REFERENCES TO CHAMPLAIN SEA FAUNAS 1837-1966
AND LIST OF FOSSILS

INTRODUCTION

The Champlain Sea, a body of water of varying salinity, covered parts of the present day Ottawa-St. Lawrence Lowland from about 12,000 years B.P. to between 8,000 and 9,000 B.P. The fossil content of the deposits of this sea have been the subject of numerous studies since 1837.

This report comprises a list of all published references to Champlain Sea faunas that the writer has been able to find and a list of the original and currently used fossil names. The lists of references are arranged in chronological order. Some cases were noted where a single species has been recorded under two or more names. Many names have been revised over the course of time and an attempt to bring these older names up-to-date is presented in Part II. In the left-hand column of Part II, the generic names from the earlier literature are arranged alphabetically. All species recorded are listed under their respective genera, and each species name is followed by the date(s) of the publication(s) in which that combination has appeared. In the right-hand column are the names considered to be valid today. Some twenty names have defied attempts either to confirm or up-date them.

Spellings of species names in Part I are as given by the various authors, hence there are certain discrepancies. Most lists show a random arrangement of the names, although some authors have arranged the species taxonomically.

The letters a, b, etc. after some of the dates refer to Part II. For example, the paper by Sir Charles Lyell published in 1842 is dated in the chronological listings as 1842a to separate species of Lyell's collections shown in Part II from those recorded in 1842 by W.E. Logan. The Logan collections are dated 1842b in the chronologically arranged list Part II.

A comprehensive report, Faunas of the Pleistocene Champlain Sea, has been prepared and will be issued in the bulletin series of the Geological Survey of Canada.

PART I

PUBLISHED REFERENCES TO CHAMPLAIN SEA FAUNAS 1837-1966

- 1837 Bayfield, H. W. p. 96
Beauport, Quebec
Noted semi-indurated sand and clay full of shells of species existing in the estuary.
- 1841 Lyell, Sir Charles pp. 136-137
Beauport, Quebec (Bayfield collection)
Terebratula psittacea
Tritonium anglicanum [Buccinum undatum] [Pl. XVI, figs. 1, 2]
Tritonium fornicatum Fabricius [Pl. XVI, fig. 3]
Natica clausa [N. septentrionalis]
Scalaria borealis
Scalaria groenlandica, var. ? [Pl. XVI, fig. 4]
Mya truncata [Pl. XVI, figs. 5, 6]
Mya arenaria
Saxicava rugosa [Pl. XVI, fig. 7]
Tellina groenlandica [Pl. XVI, fig. 8a, b]
Tellina calcarea, var. ? [Pl. XVI, figs. 9-11]
Nucula sp.
Mytilus edulis
Pecten islandicus
Balanus uddevalensis [B. scoticus]
Balanus miser [Pl. XVI, fig. 12a, b]
Echinus sp.
- Port Neuf, Quebec
Saxicava rugosa
- 1842a Lyell, Sir Charles p. 119
Beauport, Quebec; elevation about 100 feet.
Further comments on the Bayfield collections.
- North side of St. Charles River, 3 miles from Beauport.
Similar species to Beauport.
- Port Neuf, Quebec; between 50-200 feet above river.
Saxicava rugosa
- 1842b Logan, W. E. p. 770
Side of Mount Royal, north of Côte de Neiges road, Montreal; elevation about 460 feet.

Saxicava rugosa
Tellina groenlandica
Tellina calcarea
Mytilus

St. Henry, on road to Lachine; 120 feet above St. Lawrence River.

Saxicava rugosa
Tellina groenlandica
Mya truncata

Logan's Farm, Montreal (said to be on same terrace as the St. Henry locality).

Saxicava rugosa
Tellina groenlandica

1845 Lyell, Sir Charles pp. 116-128
See Table I

1846 Forbes, E. pp. 406-432

List of Canadian fossils; no specific localities mentioned.

Mallotus villosus
Terebratula psittacea
Mya truncata
Mya truncata uddevallensis
Mya arenaria
Saxicava rugosa
Saxicava sulcata Smith
Tellina groenlandica
Tellina calcarea
Astarte laurentiana
Cardium islandicum
Cardium groenlandicum
Leda (Yoldia) oblongoides Wood [Y. angularis Moller; var. of
Nucula myalis Couthouy?]
Mytilus edulis
Pecten islandicus
Velutina undata Smith [V. zonata Gould]
Littorina palliata
Scalaria groenlandica Chemnitz
Scalaria borealis
Fusus despectus
Trichotropis borealis
Natica clausa
Balanus uddevallensis L. [B. candidus Wood; B. scoticus Wood]
Balanus miser Gould
Echinus granulatus

Table I. Faunal list, Sir Charles Lyell, 1845.

Species	*Localities							
	1	2	3	4	5	6	7	8
<u>Mytilus edulis</u>	X							
<u>Tellina groenlandica</u>	X	X	X	X	X	X	X	
<u>Saxicava rugosa</u>	X	X	X	X		X	X	
<u>Astarte laurentiana</u>		X			X	X		
<u>Mya arenaria</u>			X			X		
<u>Tellina calcarea</u>					X	X		
<u>Tritonium anglicanum</u>						X		
<u>Tritonium fornicatum</u>						X		
<u>Trichotropis borealis</u>						X		
<u>Natica clausa</u>						X		
<u>Velutina sp.</u>						X		
<u>Scalaria groenlandica</u>						X		
<u>Scalaria borealis</u>						X		
<u>Littorina palliata</u>						X		
<u>Mya truncata</u>						X		
<u>Cardium groenlandicum</u>						X		
<u>Cardium islandicum</u>						X		
<u>Nucula sp.</u>						X		
<u>Pecten islandicus</u>						X		
<u>Terebratula psittacea</u>						X		
<u>Balanus miser</u>						X		
<u>Balanus uddevallensis</u>						X		
<u>Echinus granulatus</u>						X		
<u>Mallotus villosus</u>								X

*Fossil localities (as originally described)

1. The Tanneries, parish of St. Henri in the suburbs of Montreal. Shells from marly clay about 60 feet above the St. Lawrence.
2. Gully terminating at the Tanneries. Shells washed out of clay and sand.
3. Côte St. Pierre, Montreal; gravelly beds about 90 feet above St. Lawrence River.
4. Côte des Neiges, Montreal. Shells from gravel at an estimated elevation of 540 feet above sea-level.

5. Jacques Cartier River, 12 miles above St. Lawrence River. Shells observed by Col. Codrington in blue clay overlain by sand.
 6. Beauport, Quebec. Fossils were found between about 80 and 200 feet above the St. Lawrence.
 7. Right bank of Montmorency River, above the falls. Shells are in a bed of sand and gravel resting on bedrock.
 8. Ottawa River near Bytown [Ottawa]. Concretions obtained by W. E. Logan.
-

1847 Logan, W.E. p. 71

Lot 16, con. 4, Nepean tp., Ontario; elevation 410 feet.

Saxicava rugosa

Mouth of Gatineau River, Quebec.

Marine shells

Mallotus villosus

1852 Murray, A. pp. 76-77

Green's Creek, Ontario

Saxicava rugosa

Mallotus villosus

Cyclopterus lumpus

1856 Leidy, J. pp. 90-91

Nine miles east of Ottawa, Ontario, on bank of Ottawa River.

Tellina groenlandica

Mytilus edulis

Saxicava rugosa

Leda?

Mollotus villosus

Cyclopterus lumpus

Young seal

1857 Dawson, J.W. pp. 401-426

See Table II

1859 Dawson, J.W. pp. 23-29

Logan's Farm, Montreal.

Saxicava rugosa

Mytilus edulis

Tellina groenlandica

Mya arenaria

Astarte laurentiana

Leda portlandica

Mya truncata

Modiolaria discors

Table II.

Faunal list, J. W. Dawson, 1857.

Species	Localities						
	1	2	3	4	5	6	7
<u>Leda pygmaea</u> [Pl. 7, fig. 11]	X						
<u>Leda portlandica</u>	X	X			X		
<u>Mytilus edulis</u> [Pl. 7, fig. 13 var. <u>laurentiana</u>]	X	X	X		X		
<u>Saxicava rugosa</u>	X	X	X	X	X	X	X
<u>Ophiura</u> sp.	X						
<u>Tellina groenlandica</u>		X	X		X		
<u>Mya arenaria</u>		X	X		X		
<u>Astarte laurentiana</u>		X	X		X		
<u>Tellina calcarea</u>		X	X		X	X	
<u>Trichotropis borealis</u>		X	X		X		
<u>Fusus tornatus</u>		X			X		
<u>Bulla oryza</u> [Pl. 7, fig. 3]		X	X		X		
<u>Mya truncata</u>			X		X		
<u>Balanus crenatus</u> [Pl. 7, fig. 26]			X		X		
<u>Natica clausa</u>			X	X	X		X
<u>Spirorbis sinistrorsa</u> [Pl. 7, fig. 15]			X				
<u>Buccinum ciliatum</u> [Pl. 7, fig. 5]				X			
<u>Buccinum undatum</u>				X	X	X	X
<u>Admete (Cancellaria) viridula</u>				X	X		
<u>Acmaea caeca</u> [Pl. 7, fig. 9]				X	X		
<u>Nucula minuta</u>				X			
<u>Lacuna neritoidea</u> [Pl. 7, fig. 29]				X	X		
<u>Natica helicoides</u> [Pl. 7, fig. 23]				X	X		
<u>Fusus scalariformis</u> [Pl. 7, fig. 30]				X	X		
<u>Serpula vermicularis</u> [Pl. 7, fig. 28]				X	X		
<u>Margarita arctica</u>				X	X		
<u>Modiolaria discors</u>				X	X		
<u>Rissoa minuta</u>				X	X		
<u>Trichotropis arctica</u> [Pl. 7, fig. 27]				X			
<u>Cytheridea mulleri?</u>				X			

Table II (conc'd)

Species	*Localities						
	1	2	3	4	5	6	7
<u>Bulla debilis</u>				X			
<u>Velutina zonata</u>				X			
<u>Tethea sp.</u>				X			
<u>Menestho albula</u> [Pl. 7, fig. 7]					X		
<u>Amicula vestita</u> [Pl. 7, fig. 24]					X		
<u>Leda minuta</u> [Pl. 7, fig. 12]					X		
<u>Balanus hameri</u> [Pl. 7, fig. 25]						X	X
<u>Natica groenlandica</u>							X
<u>Natica heros</u>							X
<u>Scalaria groenlandica</u>							X
<u>Turritella erosa</u> [Pl. 7, fig. 8]							X
<u>Littorina palliata</u>							X
<u>Cardium islandicum</u>							X
<u>Cardium groenlandicum</u>							X
<u>Pecten islandicus</u>							X
<u>Rhynchonella psittacea</u>							X
<u>Balanus porcatus</u>							X
<u>Echinus granulatus</u>							X

*Fossil localities (as originally described)

1. Green's Creek, near Ottawa River below Ottawa, Ontario.
2. McGill University grounds, Montreal, Quebec.
3. Mile End quarries, Montreal.
4. James Logan's farm, Montreal.
5. Montreal, Quebec (specific localities not cited).
6. St. Nicholas, Quebec.
7. Beauport, Quebec.

1859 Dawson, J.W. pp. 23-29 (con't)

Modiola glandula
Trichotropis borealis
Fusus tornatus
Buccinum undatum
Balanus crenatus

Polystomella umbilicatula [Fig. 1]
Nonionina crassula
Polymorphina lactea [Figs. 2, 3]
Miliolina seminulum
Entosolenia globosa [Figs. 4, 5]
Entosolenia costata [Figs. 6, 7]
Entosolenia squamosa [Figs. 8, 9, 10]
Lepralia quadricornuta

Tanneries, near Montreal, Quebec

Leda portlandica
Astarte laurentiana
Tellina groenlandica
Natica clausa
Fusus (Clavatula) turricula
Ophiocoma sp. [Ophiura sp. of Dawson, 1857]
Polystomella umbilicatula [Fig. 1]
Nonionina crassula
Polymorphina lactea [Figs. 2, 3]
Entosolenia globosa [Figs. 4, 5]
Entosolenia costata [Figs. 6, 7]
Entosolenia squamosa [Figs. 8, 9, 10]
Biloculina ringens [Fig. 11]

Beauport, Quebec

Pecten islandicus
Modiolaria discors
Fusus tornatus
Buccinum ciliatum
Rhynconella psittacea
Balanus crenatus
Spirorbis sinistrorsa
Spirorbis spirillum
Polystomella umbilicatula [Fig. 1]
Nonionina crassula
Hippothoa catenulata
Hippothoa divaricata
Tubulipora flabellaris
Lepralia hyalina
Lepralia pertusa

1863 Logan, Sir W.E. pp. 915-930, 963-965

See Table III

1866 Hunt, T.S. p. 87

Lot 6, range 14, Ascot tp., Quebec.

?Mya sp.

TABLE III

Faunal list, Sir W. E. Logan, 1863.

Species	Localities																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
<i>Mallotus villosus</i> (Fig. 494)	X																								
<i>Tellina greenlandica</i> (Fig. 480)		X																							
<i>Saxicava rugosa</i> (Fig. 482)		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Leda pygmaea</i>																									
<i>Cyclopterus lumpus</i>																									
<i>Cottus</i> sp.							X																		
<i>Balanus crenatus</i>									X																
<i>Balanus hameri</i> (Fig. 492)									X																
<i>Leda truncata</i> [L. <u>portlandica</u>] (Fig. 478)											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Mytilus edulis</i> (Fig. 477)																					X				
<i>Astarte laurentiana</i> (Fig. 479)																									
<i>Tellina proxima</i> (Fig. 481)											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Mya arenaria</i> (Fig. 475)											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Cylichna oryza</i>											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Fusus tornatus</i> (Fig. 483)											X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Trichotropis borealis</i> (Fig. 485)												X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Mya truncata</i> (Fig. 474)												X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Natica clausa</i> (Fig. 487)												X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Spirorbis vitrea</i>												X	X	X	X	X	X	X	X	X	X	X	X	X	X
<i>Beluga vermontana</i>																									
<i>Euccinum undatum</i> (Fig. 486)														X	X	X	X	X	X	X	X	X	X	X	X
<i>Tethys logani</i>																									
<i>Psolus phantapus</i>																									
<i>Lepralia quadricornuta</i>																									
<i>Leda caudata</i> [L. <u>minuta</u>]																									
<i>Grenella glandula</i> [G. <u>decussata</u>]																									
<i>Grenella nigra</i>																									
<i>Macoma inflata</i>																									
<i>Saxicava arctica</i> (var. of <u>rugosa</u>)																									
<i>Saxicava distorta</i> (var. of <u>rugosa</u>)																									
<i>Bulla</i> (<i>Diaphana</i>) <u>debilis</u>																									
<i>Amicula vestita</i>																									
<i>Acmaea</i> (<i>Lepeta</i>) <u>caeca</u> (Fig. 491)																									
<i>Margarita helicina</i>																									
<i>Lacuna neritoides</i>																									

TABLE III (cont'd)

Species	#Localities																								
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
<u>Rissoa obsoleta?</u>															X										
<u>Acis (Alvania) ascaris</u>															X										
<u>Velutina zonata</u>															X										
<u>Natica (Amauropsis) heicooides (Fig. 489)</u>															X										
<u>Mangella (Bela) turricula</u>															X										
<u>Buccinum ciliatum</u>															X										X
<u>Admete viridula</u>															X										
<u>Trochon scalariforme (Fig. 484)</u>															X										
<u>Trichotropis arctica</u>															X										
<u>Cytheridea mulleri</u>															X										
<u>Serpula vermicularis</u>															X										
<u>Foraminifera</u>															X										
<u>Phoca groenlandica (Fig. 493)</u>															X										X
<u>Tellina sp.</u>															X										
<u>Mya sp.</u>															X										
<u>Astarte sp.</u>															X										
<u>Echinus granularis</u>															X										X
<u>Rhynchonella psittacea (Fig. 473)</u>															X										X
<u>Ophiocoma sp.?</u>															X										X
<u>Hippothoa catenularia</u>															X										X
<u>Hippothoa expansa</u>															X										X
<u>Tubulipora fiabellaris</u>															X										X
<u>Lepralia hyalina</u>															X										X
<u>Lepralia pertusa</u>															X										X
<u>Pecten islandicus (Fig. 476)</u>															X										X
<u>Cardium islandicum</u>															X										X
<u>Cardium (Serripes) groenlandicum</u>															X										X
<u>Puncturella (Cemoria) noachina</u>															X										X
<u>Littorina palliata</u>															X										X
<u>Scalaria groenlandica (Fig. 490)</u>															X										X
<u>Turritella erosa</u>															X										X
<u>Menestho albulata</u>															X										X
<u>Natica (Lunatia) heros</u>															X										X
<u>Natica (Lunatia) groenlandica (Fig. 488)</u>															X										X
<u>Spirorbis spirillum</u>															X										X
<u>Spirorbis carinata</u>															X										X
<u>Spirorbis sinistrorsa</u>															X										X
<u>Balanus porcatus</u>															X										X

* Fossil localities listed on following page.

*Fossil localities (as originally described)

1. Fort Coulonge Lake; elevation 365 feet.
2. Madawaska River; elevation 206 feet.
3. Fitzroy; elevation 330 feet.
4. Pakenham mills; elevation 266 feet.
5. Chaudière Lake; elevation 183 feet.
6. Nepean; elevation 410 feet.
7. Green's Creek; elevation 118 feet.
8. Winchester; elevation 300 feet.
9. Ottawa River; between City of Ottawa and St. Lawrence River.
10. Ottawa River at Grenville, Quebec; elevation 120 feet.
11. Kenyon; elevation 335 feet.
12. McGill College, Montreal.
13. Mile-end quarries, Montreal.
14. Coteau Baron, Montreal.
15. Farm of James Logan, Montreal.
16. Côte des Neiges, Montreal.
17. St. Mary's, suburb of Montreal.
18. St. Lawrence River, below Victoria bridge. Shells dredged from river bottom.
19. Clarenceville, Quebec; elevation 90 feet.
20. Wallbridge mills, in Stanbridge, Quebec; elevation 160 feet.
21. Near Upton, on the Grand Trunk Railway; elevation 300 feet.
22. Jacques Cartier River, about 12 miles north of St. Lawrence River.
23. St. Nicholas; elevation 180 feet.
24. Beauport.
25. Near bridge above Falls of Montmorenci.

1870a Billings, E. pp. 438-439

Half a mile from railway station, Cornwall, Ontario; elevation above 200 feet above sea-level.

Beluga vermontana

1870b Brady, G.S. and Crosskey, H.W. p. 387

Montreal, Quebec.

Cythere macchesneyi

Cythere dawsoni [p. 384, fig. 8]

Cythere globulifera

Cythere logani

Cytheridea papillosa

Cytheridea punctillata

Cytheridea sorbyana

Cytherura robertsoni

Cytheropteron complanatum

Cytheropteron inflatum

Cytheropteron angulatum

Eucythere argus

- 1870c Richardson, J. p. 310
Portneuf River, Quebec
Marine shells
Mallotus villosus
- 1871a Brady, G.S. and Crosskey, H.W. p. 62
Montreal, Quebec
Cythere macchesneyi Brady and Crosskey [Pl. 2, figs. 1, 2]
Cythere dawsoni Brady [Pl. 2, figs. 5-7]
Cythere globulifera Brady
Cythere logani Brady and Crosskey [Pl. 2, figs. 8, 9]
Cytheridea papillosa Bosquet
Cytheridea punctillata Brady
Cytheridea sorbyana Jones
Cytherura robertsoni Brady
Cytheropteron complanatum Brady and Crosskey [Pl. 2, figs. 3,4]
Cytheropteron inflatum Brady, Crosskey and Robertson
Cytheropteron angulatum Brady, Crosskey and Robertson
Eucythere argus (Sars)
- 1871b Dawson, J.W. pp. 241-259, 369-416
See Table IV.
- 1872a Dawson, J.W.
Reprint of 1871b
- 1872b Selwyn, A.R.C. p. 10
Cornwall, Ontario
Beluga vermontana
- 1878 Dawson, J.W. pp. 340-341
Green's Creek, Ontario
Phoca groenlandica
Mallotus villosus
Cyclopterus lumpus
Gasterosteus sp.
Cottus sp.
- 1883a Dawson, J.W. pp. 385-387
Smiths Falls, Ontario
Megaptera longimana

Cornwall, Ontario
Whale bones
Saxicava

TABLE IV

Faunal list, J. W. Dawson, 1871

- 13 -

Species	Localities														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<u>Macoma groenlandica</u> [Pl. 5, fig. 4]	X	X						X	X				X		
<u>Saxicava rugosa</u> and var. <u>arctica</u> [Pl. 4, fig. 7 - var. <u>arctica</u>]		X			X		X	X	X			X	X		
<u>Ophiocoma</u> sp.		X	X												
<u>Mallotus villosus</u>			X	X											
<u>Cyclopterus lumpus</u>															
<u>Gasterosteus</u> sp. [Pl. 6, fig. 13]			X	X											
<u>Leda pygmaea</u>					X			X	X			X	X		
<u>Leda</u> (<u>Portlandia</u>) <u>glacialis</u> [Pl. 5, fig. 9]						X		X	X						
<u>Beluga vermontiana</u>							X	X	X						
<u>Mytilus edulis</u> var. <u>elegans</u> [Pl. 5, fig. 2]							X	X	X		X		X		
<u>Tellina groenlandica</u>							X	X	X				X		
<u>Mya arenaria</u>							X	X	X				X		
<u>Astarte laurentiana</u> [Pl. 4, fig. 8; Pl. 7, fig. 2]							X	X	X				X		
<u>Leda truncata</u>							X	X	X				X		
<u>Mya truncata</u>							X	X	X				X		
<u>Trichotropis borealis</u>							X	X	X				X		
<u>Balanus crenatus</u>							X	X	X						
<u>Natica cincta</u> [Pl. 6, fig. 6]							X	X	X						
<u>Fusus fornatus</u>							X	X	X						
<u>Buccinum glaciale</u> [Pl. 7, figs. 8, 9]							X	X	X						
<u>Foraminifera</u>							X	X							
<u>Lepralia</u> sp.							X	X							
<u>Nodosaria</u> (<u>Glandulina</u>) <u>laevigata</u>							X	X	X				X		
<u>Dentalina communis</u>							X	X	X						
<u>Lagena sulcata</u> var. <u>distoma</u>							X	X	X				X		
<u>Lagena sulcata</u> var. <u>semisulcata</u>							X	X	X				X		
<u>Entosolenia globosa</u> [Pl. 3, fig. 2]							X	X	X				X		
<u>Entosolenia costata</u>							X	X	X				X		
<u>Entosolenia marginata</u>							X	X	X				X		
<u>Entosolenia squamosa</u>							X	X	X				X		

TABLE IV (cont'd)

Species	Localities														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<u>Bulimina presli</u>								X					X		
<u>Bulimina presli</u> var. <u>squamosa</u>								X					X		
<u>Polymorphina lactea</u> [Pl. 3, fig. 2]								X					X		
<u>Orbulina univversa</u>								X							
<u>Pulvinulina repanda</u>								X							
<u>Polystomella crispa</u> var. <u>striatopunctata</u> [Pl. 3, fig. 2]								X					X		
<u>Polystomella crispa</u> var. <u>arctica</u>								X					X		
<u>Nonionina scapha</u>								X					X		
<u>Nonionina scapha</u> var. <u>labradorica</u> [Pl. 3, fig. 4]								X					X		
<u>Cornuspira foliacea</u>								X					X		
<u>Quinqueloculina seminulum</u> [Pl. 3, fig. 2]								X					X		
<u>Biloculina ringens</u>								X					X		
<u>Tethea logani</u> [Pl. 3, fig. 1]								X					X		
<u>Tethea</u> sp.								X					X		
<u>Euryechinus drobachiensis</u>								X					X		
<u>Psolus phantopus?</u>								X							
<u>Lepralia quadricornuta</u> [Pl. 4, fig. 1]								X							
<u>Eschara elegantula</u>								X							
<u>Crisea eburnea</u>								X							
<u>Rhynchonella psittacea</u> [Pl. 4, fig. 2]								X							
<u>Mya truncata</u> var. <u>uddevallensis</u> [Pl. 4, fig. 4]								X					X		
<u>Lyonsia (Pandorina) arenosa</u>								X					X		
<u>Macoma calcarea</u> [Pl. 5, fig. 3]								X					X		
<u>Macoma inflata</u> [Pl. 5, fig. 5]								X					X		
<u>Astarte banksii</u> [Pl. 7, fig. 1]								X					X		
<u>Cryptodon gouldii</u>								X							
<u>Modiola modiolus</u>								X							
<u>Modiolaria nigra</u>								X							
<u>Crenella glandula</u>								X							
<u>Nucula tenuis</u>								X							

TABLE IV (conc'd)

	*Localities														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
<u>Serpula vermicularis</u>												X			
<u>Balanus hameri</u>							X						X		
<u>Phoca groenlandica</u>							X						X		
<u>Textularia pygmaea</u>							X						X		
<u>Triloculina tricarinata</u>															
<u>Serripes groenlandica</u>													X		
<u>Pecten islandicus</u>													X		
<u>Puncturella (Cernoria) noachina</u>													X		
<u>Scalaria groenlandica</u> [Pl. 6, fig. 1]													X		
<u>Hippothoa catenularia</u>														X	
<u>Hippothoa expansa</u>														X	
<u>Tubulipora flabellaris</u>														X	
<u>Capulus commodus</u> [Pl. 7, fig. 14]															X

* Fossil localities listed on following page.

*Fossil localities (as originally described)

1. Pakenham Mills, Ontario.
 2. Perth, Ontario.
 3. Ottawa, Ontario.
 4. Green's Creek, Ontario.
 5. Ottawa River.
 6. Cornwall, Ontario.
 7. Logan's Farm, Montreal, Quebec.
 8. Montreal, Quebec.
 9. Clarenceville, Quebec.
 10. Upton, Quebec.
 11. Acton, Quebec.
 12. St. Nicholas, Quebec.
 13. Quebec City.
 14. Beauport.
 15. Pt. Levi, near Quebec.
-

1883b Dawson, J. W. pp. 111-113

Lower Leda clay

Leda (Portlandia) arctica

Tellina groenlandica

Upper Leda clay, on the Ottawa

Insects

Feathers of birds

Capelin

Shells

Saxicava sand

Saxicava rugosa

Whale bones

Saxicava sand, north of outlet of Lake Ontario, 420 feet elevation.

Megaptera longimana

1884 Ami, H. M. pp. 54-62

Ottawa and vicinity, Leda clay and Saxicava sand

Macoma fragilis Fabricius

Mytilus edulis Linné

Portlandia arctica Gray

Saxicava rugosa Linné

Cyclopterus lumpus Linné

Mallotus villosus Cuvier

Phoca groenlandica

- 1887 Ami, H. M. pp. 82-85
Odell's brickyard, Ottawa
Tethea logani
Shells
Foraminifera
Bones
- Green's Creek; in nodules
Seal bones
Mallotus villosus
Lump sucker
Sculpin
- Leda clay
Leda (Portlandia) arctica
Polystomella crispa
- Saxicava sand
Macoma calcarea Chemnitz
Macoma fragilis Fabricius
Natica affinis Gmelin
- 1889 Dawson, Sir J. W. p. 289
St. Nicholas, Quebec
Balanus hameri
- Montreal, Quebec
Balanus hameri
- Rivière Beaudette, Quebec
Balanus hameri
Saxicava arctica
Tellina (Macoma) groenlandica
Mya arenaria
- 1891 Dawson, Sir J. W. pp. 86-88
Green's Creek, Ontario
Mallotus villosus
Cyclopterus lumpus
Gasterosteus aculeatus
Osmerus mordax
Cottus uncinatus
Nereis pelagica [Nereis caeca Fabricius?]
- 1892 Ami, H. M. p. 75
Moose Creek, Ontario; in stratified gravels
Mytilus edulis

Macoma fragilis
Macoma calcarea
Saxicava rugosa
Balanus crenatus

Odell's brickyard, Ottawa
Phoca groenlandica Mueller
Tethea logani Dawson
Saxicava rugosa
Polystunella crispa
Dentalina sp.
Eschara elegantula d'Orbigny

1893a Low, A. P. pp. 56L-57L

Vicinity of Quebec; mainly from the Beauport locality (determined by Sir J. W. Dawson).

Lagena sulcata var. distoma
Lagena sulcata var. semisulcata
Entosolenia globosa
Entosolenia costata
Entosolenia marginata
Entosolenia squamosa
Bulimina presli
Bulimina presli var. squamosa
Pulvinulina repanda
Polystomella crispa var. striatopunctata
Polystomella crispa var. arctica
Nonionina scapha
Nonionina scapha var. labradorica
Textularia pygmaea
Quinqueloculina seminulum
Biloculina ringens
Triloculina tricarinata
Strongylocentrotus drobachiensis
Hippothoa axtenularia Jameson
Hippothoa expansa
Tubulipora flabellaris
Lepralia hyalina
Lepralia pertusa
Rhynchonella psittacea
Saxicava rugosa
Mya truncata
Mya arenaria
Macoma groenlandica
Macoma calcarea
Astarte laurentiana
Astarte banksii

Serripes groenlandicus
Mytilus edulis
Modiolaria discors
Leda (Portlandia) glacialis
Leda truncata Brown
Pecten islandicus
Puncturella (Cemoria) noachina
Lepeta caeca
Bela harpularia
Natica affinis Gmelin [N. clausa B. & S.]
Lunatia heros
Lunatia groenlandica
Velutina zonata
Scalaria groenlandica
Acirsa eschrichtii
Chrysodomus tornatus
Spirorbis vitrea
Balanus hameri
Balanus porcatus
Balanus crenatus

1893b Dawson, Sir J. W. pp. 207-269
See Table V

1893c Selwyn, A. R. C. p. 76A
Rivière Beaudette, Quebec
Mya truncata

1895 Dawson, Sir J. W. pp. 351-354
Peel's brickyard, Montreal
Beluga catodon [B. vermontana
or possibly B. albicans]

Papineau Road, Montreal; 100 feet above St. Lawrence River.

Beluga catodon
Leda (Yoldia) glacialis
Tellina (Macoma) groenlandica
Foraminifera

Cornwall, Ontario
Beluga catodon

1897a Ami, H. M. pp. 20-26
Green's Creek, near bridge at Cyrville, Ontario
Saxicava rugosa
Leda (Portlandia) arctica
Balanus crenatus
Mallotus villosus

TABLE V

Faunal list, Sir J. W. Dawson, 1893

Species	Localities																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
<i>Macoma groenlandica</i> Beck	X	X										X	X				X				
<i>Megaptera longimana</i> Gray			X	X				X	X								X				
<i>Saxicava tugosa</i> Lamarck and var. <i>arctica</i> [Pl. 5, fig. 6]						X						X	X				X				
<i>Sollaster (Crossaster) papposa</i> M. and T.				X	X							X	X				X				
<i>Ophiocoma</i> sp. or <i>Amphitura</i> sp.												X									
<i>Nucula tenuis</i> Montagu					X	X															
<i>Leda pygmaea</i> Munster					X	X															
<i>Nereis belagica</i> Linné					X	X															
<i>Esterhádsawsoni</i> Packard					X	X															
<i>Mallonius villosus</i> Cuvier [Pl. 8, fig. 1]					X	X															
<i>Osmerus mordax</i> Gill					X																
<i>Cottus (Centrodormichthys) uncinatus</i> Reinhardt					X	X															
<i>Cyclopterus lumpus</i> Linné					X	X															
<i>Gasterosteus aculeatus</i> Linné? [Pl. 8, fig. 2]					X	X															
<i>Phoca (Pagophilus) groenlandica</i> Müller [opp. p. 268]					X	X						X									
<i>Yoldia (Portlandia) arctica</i> Gray [Pl. 5, fig. 4]							X		X			X	X				X				
<i>Beluga catodon</i> [Delphinapterus leucas Pallas; <i>Beluga vermontana</i> Thompson]										X											
<i>Tethys</i> sp.										X											
<i>Ophiacantha spinulosa</i> (M. & T.) [O. bidentata Retzius]										X											
<i>Crepidula fornicata</i> Linné										X											
<i>Nodosaria (Glandulina) laevigata</i>												X	X								
<i>Nodosaria (Glandulina) laevigata</i> [var. <i>Dentalina communis</i>]												X	X				X	X			
<i>Lagena sulcata</i> var. <i>distoma</i>												X	X				X	X			
<i>Lagena sulcata</i> var. <i>semisulcata</i>												X	X				X	X			
<i>Entosolenia globosa</i> [Pl. 2, fig. 5]												X	X				X	X			
<i>Entosolenia costata</i> [Pl. 2, fig. 6]												X	X				X	X			
<i>Entosolenia marginata</i>												X	X				X	X			
<i>Entosolenia squamosa</i>												X	X				X	X			
<i>Bullimina presli</i>												X	X				X	X			
<i>Bullimina presli</i> var. <i>squamosa</i>												X	X				X	X			
<i>Polymorphina lactea</i> [Pl. 2, fig. 4]												X	X				X	X			
<i>Orbulina univversa</i>												X	X				X	X			
<i>Fuvinulina repanda</i>												X	X				X	X			
<i>Polystomella crispa</i> var. <i>striatopunctata</i>												X	X				X	X			
<i>Polystomella crispa</i> var. <i>arctica</i>												X	X				X	X			

TABLE V (cont'd)

Species	Localities																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
<i>Nemolina scapha</i>												X					X				
<i>Noniomina scapha</i> var. <i>labradorica</i> [Pl. 2, fig. 1]												X					X				
<i>Cornuspira foliacea</i>												X					X				
<i>Quimueloculina (Miliolina) seminulum</i> [Pl. 2, fig. 3]												X					X				
<i>Biloculina ringens</i>												X					X				
<i>Tethya logani</i> Dawson [Pl. 3, figs. a-d]												X				X				X	
<i>Eurychinus (Strongylocentrotus) drobachiensis</i> Müller												X					X				
<i>P. solus</i> (Lophothuria) <i>fabricii</i> [P. phantopus?]												X					X				
<i>Lepralia quadricornuta</i> Dawson [Pl. 4, fig. 1]												X					X				
<i>Forcella elegantula</i> d'Orbigny												X					X				
<i>Crisea eburnea</i> Ellis												X					X				
<i>Rhynchonella psittacea</i> Gmelin [P. 225, fig. 1]												X					X				
<i>Mya truncata</i> L. and var. <i>uddevaliensis</i> [Pl. 5, fig. 1]												X					X				
<i>Mya arenaria</i> Linné												X					X				
<i>Lyonsia arenosa</i> Möller												X					X				
<i>Macoma calcarea</i> Chemnitz [Pl. 5, fig. 3]												X					X				
<i>Macoma inflata</i> Stimpson												X					X				
<i>Astarte laurentiana</i> Lyell [Pl. 1, fig. 2]												X					X				
<i>Astarte (Nicania) banksii</i> Leach [Pl. 1, fig. 1]												X					X				
<i>Cryptodon gouldii</i> Philippi												X					X				
<i>Mytilus edulis</i> Linné												X					X				
<i>Modiola modiolus</i> Linné												X					X				
<i>Modiolaria nigra</i> Gray [Pl. 5, fig. 5]												X					X				
<i>Modiolaria discors</i>												X					X				
<i>Crenella glandula</i> Totten [or may be <i>C. faba</i> Fabricius]												X					X				
<i>Leda mimuta</i> Fabricius												X					X				
<i>Philine lineolata</i> Couthouy												X					X				
<i>Cylichna alba</i> Brown [Pl. 6, fig. 11]												X					X				
<i>Cylichna oryza</i> Totten												X					X				
<i>Cylichna nucleola</i> Reeve												X					X				
<i>Cylichna occulta</i> Mighels and Adams												X					X				
<i>Haminea solitaria</i> Say												X					X				
<i>Diaphana debilis</i> Gould												X					X				
<i>Utriculoles perferens</i> Mighels												X					X				
<i>Amicula (Stimpsonella) emersonii</i> Couthouy [Pl. 6, fig. 10]												X					X				
<i>Lepeta caeca</i> Möller [Pl. 6, fig. 9]												X					X				
<i>Margarita helicina</i> Fabricius												X					X				
<i>Margarita argentata</i> Gould												X					X				

TABLE V (conc'd)

Species	#Localities																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
<u>Cythere macchesneyi</u>																						X
<u>Cythere dawsoni</u> Brady																						X
<u>Cythere globulifera</u> Brady																						X
<u>Cythere logani</u>																						X
<u>Cytheridea papillosa</u> Bosquet																						X
<u>Cytheridea punctillata</u> Brady																						X
<u>Cytheridea sorbyana</u> Jones																						X
<u>Cytheridea mulleri</u> [Pl. 7, fig. 3]																						X
<u>Cytherura robertsoni</u> Brady																						X
<u>Cytheropteron complanatum</u>																						X
<u>Cytheropteron inflatum</u> Brady, Crosskey and Robertson																						X
<u>Cytheropteron angulatum</u> Brady, Crosskey and Robertson																						X
<u>Eucythere argus</u>																						X

* Fossil localities listed on following page.

*Fossil localities (as originally described)

1. Pakenham Mills, Ontario.
 2. Perth, Ontario.
 3. Smith's Falls, Ontario.
 4. Ottawa, Ontario.
 5. Green's Creek, Ontario.
 6. L'Orignal, Ontario.
 7. Ottawa River.
 8. Stormont, Ontario
 9. Cornwall, Ontario.
 10. Tanneries, near Montreal, Quebec.
 11. Mile-end Quarries, Montreal.
 12. Montreal, Quebec.
 13. Clarenceville, Quebec.
 14. Upton, Quebec.
 15. Acton, Quebec.
 16. St. Nicholas, Quebec.
 17. Quebec, Quebec.
 18. Chaudière Station, Quebec.
 19. Beauport, Quebec.
 20. Point Levi, near Quebec.
 21. Leda clay. The ostracods listed under this unit were all recorded previously (Brady and Crosskey, 1871) from Montreal.
-

Green's Creek, at Ottawa River

Macoma fragilis
Saxicava rugosa
Leda (Portlandia) arctica
Cylichna alba or C. minuta
Balanus crenatus
Mallotus villosus
Cottus uncinatus

Graham's Brickyard, Ottawa East, Ontario

Macoma fragilis
Macoma calcarea?
Leda (Portlandia) arctica
Cylichna alba
Balanus crenatus
Natica affinis Gmelin

Nepean, Ontario; right bank of Rideau River and Canal, Manotick Road

Macoma fragilis
Saxicava rugosa and var.
Mytilus edulis
Balanus crenatus

About 2 miles from Metcalfe, Ontario

Macoma fragilis
Mytilus edulis
Balanus crenatus

MacGregor's Lake, Quebec, 2 miles north of Perkin's Mills.

Saxicava rugosa

Near Cantley, Quebec.

Macoma fragilis
Saxicava rugosa
Leda (Portlandia) arctica

Besserer's Grove, Ontario, on shore of Ottawa River (in nodules)

Mallotus villosus
Leda (Portlandia) arctica
Saxicava rugosa

Chelsea, Quebec, about 1500 paces north of Chelsea station along Ottawa and Gatineau Valley Railway.

Macoma fragilis
Saxicava rugosa
Balanus crenatus
Leda (Portlandia) arctica

Ottawa, Arnprior and Parry Sound Railway station, Carp, Ontario.

Saxicava rugosa
Macoma fragilis
Balanus crenatus

Odell's Brickyard, Ottawa East; in Leda clay

Craniella logani
Macoma fragilis
Saxicava rugosa
Polystomella crispa
Dentalina sp.
Nonionina sp.
Discorbina sp.
other forams
Leda (Portlandia) arctica
Phoca sp.
Eschara elegantula

Green's Creek, Ontario

Cyclopterus lumpus
Cottus sp.
Teilina groenlandica [Macoma fragilis]

Saxicava rugosa
Mallotus villosus

Grenville, Quebec

Saxicava rugosa
Tellina groenlandica
Balanus crenatus
Balanus hameri

Wright's brick-clay pits, Aylmer Road, Tétreauville, Quebec.

Saxicava rugosa
Phoca sp. [probably P. vitulina]

Lot 9, con. 5, Matilda tp., Dundas co., Ontario.

Macoma fragilis
Saxicava rugosa

Rivière Beaudette, Quebec

Macoma fragilis
Macoma calcarea
Saxicava rugosa
Leda (Portlandia) arctica
Balanus crenatus
Balanus hameri
Beluga vermontana

Moose Creek, Ontario

Mytilus edulis
Macoma calcarea
Saxicava rugosa
Balanus crenatus

Bank and Cooper Streets, Ottawa, Ontario.

Mytilus edulis
Macoma fragilis
Leda (Portlandia) arctica

1897b Dawson, G. M. p. 73A
Soulanges co., Quebec

Macoma fragilis
Macoma calcarea
Saxicava rugosa

Glengarry and Stormont counties, Ontario

Macoma fragilis
Macoma calcarea
Saxicava rugosa

Near Côteau du Lac church, Quebec, in excavation for Soulanges Canal; 22 feet below ground surface.

Delphinapterus catodon

1898a Wilson, W. J. pp. 209-220

Leda clay [typical fossils]

Leda glacialis

Macoma groenlandica

Saxicava sand [typical fossils]

Saxicava rugosa

Macoma fragilis

Leda arctica

Balanus sp.

1898b Eells, R. W. pp. 211-222

Ridges west of Arnprior, Ontario; elevation 470 feet
Shell-bearing sands

Bryson, Quebec

Most westerly locality for fossiliferous clays,

Lake Coulonge; elevation 370 feet

Fish-bearing nodules similar to Green's Creek.

1901a Coleman, A. P. pp. 129-146

McMillan's pit, near village of McMillan, Ontario

Saxicava rugosa

Macoma fragilis

Mytilus edulis

Warina, Ontario; elevation 390 feet

Saxicava

Macoma

Newington, Ontario; elevation 390 feet

Saxicava

Welch's north of Smith's Falls, Ontario; elevation 440 feet

Megaptera longimana

Gladstone pit, west of Prescott, Ontario; elevation 320 feet

Macoma fragilis

Brockville, Ontario

"Dr. Robert Bell obtained some [marine shells] many years ago at Brockville, , in clays penetrated by a tunnel under the town."

1901b Coleman, A. P. pp. 215-227

Green's Creek, Ontario

Mallotus

Leda arctica

Saxicava rugosa

Macoma fragilis

Six miles up Rideau River from Ottawa, Ontario

Saxicava rugosa

Macoma fragilis

Mytilus edulis

Balanus crenatus

Lake Coulonge; elevation 370 feet

Concretions

Arnprior, Ontario; elevation 470 feet

Marine shells

Smith's Falls, Ontario; elevation 440 feet

Megaptera longimana

Macoma fragilis

Cornwall area, Ontario

Beluga catodon

Finch, Ontario; elevation about 270 feet

Saxicava rugosa

Macoma fragilis

Mytilus edulis

Crysler's station area, Ontario

Saxicava rugosa

Macoma fragilis

Warina, Ontario; elevation about 390 feet

Saxicava

Macoma

Payne River, Ontario

Saxicava

Macoma

Williamsburg, Ontario

Macoma

Gladstone, Ontario; elevation 320 feet

Macoma fragilis

1 1/2 miles west of Gladstone; elevation 350 feet

Macoma

List of fossils, mainly after J. W. Dawson and H. M. Ami.

Phoca groenlandica - Green's Creek

Beluga catodon - Cornwall

Megaptera longimana - Smiths Falls

Mallotus villosus - Green's Creek

Osmerus mordax - Green's Creek

Cottus uncinatus - Green's Creek

Cyclopterus lumpus - Green's Creek

Gasterosteus aculeatus - Green's Creek

Estheria dawsoni - Green's Creek

Nereis pelagica - Green's Creek

Saxicava rugosa - Ottawa, etc.

Macoma fragilis - Ottawa, etc.

Macoma calcarea - Stormont county

Mytilus edulis - Nepean, etc.

Nucula tenuis - Green's Creek

Nucula expansa - Pakenham?

Leda pygmaea - Green's Creek

Leda (Portlandia) arctica - Ottawa

Natica affinis - Graham's brickyard, Ottawa

Cylichna alba or C. minuta - Green's Creek

Balanus hameri - Nepean

Balanus crenatus - Nepean

Asterias sp. - Ottawa

Eschara elegantula - Odell's brickyard, Ottawa

Craniella logani - Odell's brickyard

Polystomella crispa - Odell's brickyard

Dentalina sp. - Odell's brickyard

Nonionina sp. - Odell's brickyard

Discorbina sp. - Odell's brickyard

1901c Ells, R. W. p. 67J

St. Thuribe, Quebec, on east bank of Rivière Blanche

Leda arctica

Macoma groenlandica

1901d Whiteaves, J. F. pp. 9-271

This work is concerned primarily with living faunas, but does give fossil records as follows:

Craniella cranium (Müller) - this may be the Tethea logani of

Dawson from the Leda clays of the St. Lawrence and Ottawa Valleys.

Crossaster papposus (Fabricius) - Montreal; Green's Creek

Ophiacantha bidentata (Retzius) - Tanneries, Montreal

Strongylocentrotus drobachiensis (Müller) - Beauport; St. Nicholas;
Montreal.

Spirorbis vitreus (Fabricius) - Beauport; Montreal

Nereis (Lycoris) pelagica Linné - Green's Creek

Hemithyris psittacea (Gmelin) - Beauport; Montreal

Electra catenularia (Jameson) - Beauport

Schizoporella hyalina (Linné) - Beauport

Hippochoa expansa Dawson - Beauport

Lepralia pertusa (Esper) - Beauport

Porella elegantula (d'Orbigny) - Montreal

Tubulipora fimbria Lamarck - Beauport

Mytilus edulis Linné - Quebec; Montreal; Ottawa

Modiola modiolus (Linné) - Montreal

Modiolaria discors (Linné) - Beauport; Montreal

Modiolaria nigra (Gray) - Montreal

Nucula tenuis (Montagu) - Montreal; Green's Creek

Leda minuta (Müller) - Montreal

Portlandia glacialis (Wood) - Leda clay of Eastern Canada.

Serripes groenlandicus (Gmelin) - Province of Quebec

Astarte banksii (Leach) - Quebec; Montreal

Cryptodon gouldii Philippi - Montreal

Macoma balthica (Linné) - Ottawa and St. Lawrence Valleys; as
far west as Brockville, Ontario.

Macoma calcarea (Gmelin) - Quebec; Chaudière Station; Montreal

Macoma inflata Verrill and Bush - Montreal

Lyonsia arenosa (Möller) - Montreal

Mya arenaria Linné - Quebec and eastern Ontario

Mya truncata Linné - Quebec; Montreal

Saxicava rugosa (Linné) - St. Lawrence and Ottawa Valleys

Lepeta caeca (Müller) - Quebec; Montreal

Molleria costulata (Möller) - Montreal

Margarita helicina (Fabricius) - Montreal

Margarita olivacea (Brown) - Montreal

Scalaria groenlandica Perry - Quebec

Scalaria (Acirsa) costulata (Mighels) - Beauport; Montreal

Lunatia groenlandica (Beck) Möller - Quebec; Montreal

Lunatia heros (Say) - Beauport

Natica clausa Broderip and Sowerby - Quebec; Montreal

Velutina (Limneria) undata (Brown) - Beauport; Montreal; Ottawa

Capulacmaea radiata Sars - Pointe Lévis; Montreal

Crepidula fornicata (Linné) - Mile End, Montreal

Cingula arenaria Mighels and Adams - Montreal

Cingula (Alvania) castanea (Möller) - Montreal

Cingula (Alvania) jan meyeri (Friele) - Montreal

Turritella erosa Couthouy - Montreal (?)

Trichotropis borealis Broderip and Sowerby - Chaudière Station;
Montreal

Trophon clathratus (Linné) - Montreal
Buccinum ciliatum (Fabricius) - Montreal
Buccinum glaciale Linné - Montreal
Neptunea despecta var. tornata Gould - Quebec; Montreal
Sipho spitzbergensis (Reeve) - Montreal
Ptychotractus ligatus (Mighels) - Montreal
Admete couthouyi (Jay) - Chaudière Station; Montreal
Bela pleurotomaria (Couthouy) - Montreal
Bela cancellata var. canadensis Verrill and Bush
 [Bela harpularia of Dawson]- Quebec; Montreal
Bela bicarinata var. violacea (Mighels and Adams) - Montreal
Philine lima (Brown) - Montreal
Haminea solitaria (Say) - Montreal
Diaphana debilis (Gould) - Montreal
Cylichna alba (Brown) - Montreal
Retusa pertusa (Mighels) - Montreal
Balanus crenatus Bruguière - Quebec; Montreal
Balanus porcatus Da Costa - Beauport
Balanus hameri Ascanius - Quebec; St. Nicholas; Montreal
Cythere dawsoni - Montreal
Cytheridea papillosa Bosquet - Montreal
Cytheridea punctillata Brady - Montreal
Cytheridea sorbyana Jones - Montreal
Eucythere argus Sars - Montreal

1902 Ami, H. M. pp. 51G-56G

Green's Creek, Ontario

Macoma balthica
Saxicava rugosa
Leda (Portlandia) arctica
Cylichna alba or C. minuta
Balanus crenatus
Mallotus villosus
Cottus uncinatus
Gasterosteus sp.

Creek near bridge at Cyrville, Carleton co., Ontario.

Saxicava rugosa
Leda arctica
Balanus crenatus
Mallotus villosus

Graham's brickyard, Ottawa East

Macoma balthica
Macoma calcarea
Leda arctica
Cylichna alba

Balanus crenatus
Natica affinis

Right bank of Rideau River, near Manotick Road

Macoma balthica
Saxicava rugosa
Mytilus edulis
Balanus porcatus

Half mile north of Chelsea Station, Quebec, along Gatineau Valley
Railway

Macoma balthica
Saxicava rugosa
Balanus crenatus
Leda arctica

Odell's brickyard, Ottawa East

Polystomella crispa var.
Quinqueloculina seminulum
Nonionina cf. N. scapha
Polymorphina lactea
Craniella logani
Eschara elegantula
Leda arctica
Saxicava rugosa
Macoma balthica
Nucula tenuis
Natica affinis
Velutina (Limneria) undata
Chrysodomus despectus
Phoca sp.

Wright's brickyard, north of Tétreauville, Hull, Quebec.

Saxicava rugosa
Phoca sp. [probably young of P. vitulina]

1906a Ami, H. M. pp. 88J-89J

Near the railway station at Carp, Ontario

Saxicava rugosa
Macoma balthica [= M. fragilis Fabricius]
Balanus hameri
Balanus crenatus

Mohrs Corners P. O., 3/4 mile southeast of Galetta Station, Ontario.

Saxicava rugosa
Macoma balthica

- 1906b Bell, R. p. 168A
Prescott, Ontario.
Macoma balthica
- Cornwall, Ontario.
Macoma balthica
- 1907a Chalmers, R. pp. 270A-271A
Glengarry county, Ontario.
Saxicava rugosa
Macoma balthica
Mya arenaria
- Banks of St. Lawrence River, 1/2 mile above Brockville, Ontario.
Saxicava rugosa
Macoma balthica
- 1907b Ells, R. W. pp. 52, 71
Flat Rapids, Madawaska River, Renfrew co., Ontario.
Mallotus villosus
- 1907c Whiteaves, J. F. p. 171
Lot 21, con. 11 of Pakenham, Ontario.
Delphinapterus vermontanus (Thompson) [probably = D. leucas]
Marine shells
- 1908a Ells, R. W. p. 9
St. Thuribe, Quebec, east bank of Rivière Blanche.
Leda arctica
Macoma greenlandica
- 1908b Perkins, G. W. pp. 77-85
Mile-end quarries, Montreal, Quebec.
Beluga vermontana
- Cornwall, Ontario.
Beluga vermontana
- Smith's Falls, Ontario.
Beluga vermontana
- Montreal, Quebec; Leda clay
Delphinapterus (Beluga) catodon
- Pakenham, Ontario.
Delphinapterus vermontana

- 1910 Lambe, L. M. p. 273
Ottawa East, Ontario.
Delphinapterus leucas
- 1911 Goldthwait, J. W. p. 228
Two miles north of Portneuf Station, Quebec.
Saxicava arctica
Macoma groenlandica
- One mile south of Hemmingford, Quebec.
Saxicava
- 1912a Stansfield, J. p. 282
Left bank of Gatineau River, 400 yards below the falls at Kirk's
Ferry, Quebec.
Saxicava rugosa
Astarte cf. laurentiana
- Gemmill mine, Cantley, Quebec.
Astarte
- Along road from Buckingham, Quebec to the Walker mine.
Astarte
- 1912b Ardley, E. p. 67
Town of De Lorimier, near Montreal, Quebec; 9 feet below the sur-
face.
Ostrea
Mya truncata
Macoma calcarea
Astarte laurentiana
Saxicava rugosa
- 1913a Keele, J. and Johnston, W. A. pp. 126-134.
North of Chelsea station, Quebec, on Gatineau Valley Railway;
elevation 425 feet.
Saxicava rugosa
Macoma fragilis
- Six miles south of Ottawa, Ontario, on the Rideau River; elevation
350 feet.
Saxicava rugosa
Macoma fragilis
- Smiths Falls, Ontario; elevation 440 feet.
Whale

Galetta, Ontario; elevation 475 feet.
Marine fossils

1913b Goldthwait, J. W. pp. 122-126.
Hemmingford, Quebec; elevation 260 feet.
Saxicava arctica

1914 Lambe, L. M. pp. 298-299
Besserer Grove, about 8 miles below Ottawa, Ontario.
Mallotus villosus (Müller)

Lot 15, con. 5, Nepean tp., near Jock River, Ontario.
Delphinapterus leucas

1915 Stansfield, J. pp. 14-17, 65-68
Logan's farm (site of present Lafontaine Park), Montreal.
Saxicava rugosa
Mytilus edulis
Tellina greenlandica
Mya arenaria
Astarte laurentiana
Leda glacialis
Mya truncata
Trichotropis borealis
Natica clausa
Fusus tornatus
Buccinum glaciale
Balanus crenatus
sponges
Foraminifera

Davidson Street, Montreal.
Leda glacialis
Macoma greenlandica

West portal of C. N. R. tunnel, Montreal.
Saxicava rugosa
Macoma greenlandica
Mya truncata
Mytilus edulis

Island of Montreal; Leda clay.
Nodosaria laevigata
Lagena sulcata
Entosolenia sulcata
Entosolenia costata
Entosolenia marginata

Entosolenia squamosa
Bulimina presli
Polymorphina lactea
Orbulina universa
Pulvinulina repanda
Polystromella crispa
Nonionina scapha
Cornuspira foliacea
Quinqueloculina seminulum
Biloculina ringens
Tethea logani Dawson
Tethea ?
Ophiacantha spinulosa M. and T.
Amphiura sp.
Solaster papposa
Euryechinus drobachiensis Müller
Psolus fabricii Dur. and Kor.
Lepralia quadricornuta Dawson
Porella elegantula d'Orbigny
Crisea eburnea Ellis
Rhynchonella psittacea Gm.
Saxicava rugosa Lamarck
Lyonsia arenosa Möller
Macoma greenlandica Beck
Macoma inflata Stimpson
Macoma calcarea Chemnitz
Cryptodon gouldii Philippi
Modiola modiolus Linn.
Nucula tenuis Montagu
Leda minuta Fabricius
Yoldia arctica Gray [Leda glacialis]
Mya truncata Linn.
Mya arenaria Linn.
Astarte laurentiana Lyell
Mytilus edulis Linn.
Modiolaria nigra Gray
Modiolaria discors
Ostrea virginiana Lister
Philine lineolata Couthouy
Haminea solitaria Say
Diaphena debilis Gould
Utriculus pertenuis Mighels
Lepeta coeca Möller
Cyclostrema costulata Möller
Cyclostrema cutleriana Clark
Rissoa castanea Möller
Rissoa exorata Stimpson

Natica clausa Brod. and Sow.
Lunatia greenlandica Beck
Velutina zonata Gould
Acirsa eschrichtii Holboll
Trichotropis borealis Brod. and Sow.
Trichotropis arctica Middendorf
Ptychotractus ligatus [Fascicolaria ligata Mighels]
Buccinum greenlandicum Chemnitz
Buccinum ciliatum Fabricius
Buccinum glaciale Linn.
Trophon scalariforme Gould
Cylichna alba Brown
Cylichna oryza Totten
Cylichna nucleola Reeve
Cylichna occulta Mighels and Adams
Amicula emersonii Couthouy
Margarita helicina Fabricius
Margarita argentata Gould
Turitella erosa Couthouy
Cingula jan meyeri Friele
Beia harpularia Couthouy
Bela elegans Möller
Bela pyramidalis Ström.
Bela turricula Montagu
Bela violacea Mighels and Adams
Admete viridula Fabricius
Sipho spitzbergensis Reeve
Neptunea despecta L.
Trophon clathratum Linn.
Serpula vermicularis Linn.
Spirorbis vitrea Fabricius
Balanus hameri Ascanius
Balanus crenatus Brug.
Phoca greenlandica Müller
Beluga catodon

Island of Montreal; Saxicava sand

Saxicava rugosa Lamarck
Macoma greenlandica Beck
Macoma inflata Stimpson
Mya truncata Linn.
Mya arenaria Linn.
Mytilus edulis Linn.
Crepidula fornicata L.
Capulus ungaricus Lin.
Bela harpularia Couthouy
Bela elegans Möller

Bela pyramidalis Ström.
Bela turricula Montagu
Bela violacea Mighels and Adams
Trichotropis borealis Brod. and Sow.
Choristes elegans Carpenter
Cyclostrema costulata Möller
Natica clausa Brod. and Sow.
Lunatia greenlandica Beck
Velutina zonata Gould
Acirsa eschrichtii Holboll
Balanus hameri Ascanius
Balanus crenatus Brug.

1916a Ardley, E. pp. 490-493
Queen's City Oil Company, Montreal East, Quebec; 15 feet above the
St. Lawrence.

Natica clausa
Leda glacialis
Macoma proxoma
Macoma groenlandica
Tethea logani
Beluga catodon

1916b Johnston, W.A. pp. 11-12
Ottawa district; lower (Leda) clay
Portlandia (Yoldia) arctica Gray [= Leda glacialis]
Nucula tenuis Mont.
Macoma calcarea Chemn.
Saxicava rugosa Lin.
Natica affinis Gmel.
Neptunea despecta Lin.
Cylichna alba Brown
Astarte compressa Mont. (?)

Ottawa district; upper clay [sandy layers near the base]

Macoma balthica Lin.
Saxicava rugosa
Portlandia

1917 Johnston, W.A. pp. 25-27
Ottawa River, between Besserer's wharf and the mouth of Green's
Creek.

Cottus
Mallotus
Seal bones
Shells of several species of molluscs

East side of Gatineau River, Quebec, at C.P.R. bridge.

Portlandia arctica Gray [= Leda glacialis]

Saxicava rugosa Lin.

Nucula tenuis Mont.

Clay pits at Leamy Lake, Quebec.

Portlandia arctica Gray

Saxicava rugosa Lin.

Nucula tenuis Mont.

Half mile west of Orleans station, Ontario, at Canadian Northern Railway bridge; elevation 175 feet to 180 feet.

Portlandia arctica

Macoma calcarea Chemn.

Saxicava rugosa

Natica affinis Gmel.

East of Green's Creek, at road crossing 2 miles east of Willowdale, Ontario; elevation about 200 feet.

Portlandia arctica

Macoma calcarea

Saxicava rugosa

South of Somerset Street bridge over the railway, Ottawa, Ontario; elevation about 190 feet.

Portlandia arctica

Saxicava rugosa var. arctica

Macoma calcarea

Macoma balthica

Neptunea despecta Lin.

Natica affinis

Peerless brickyards, south of Rideau River, near Billings Bridge, Ontario; elevation 200 to 250 feet.

Portlandia arctica

Ottawa brickyard, west side of Rideau River, near Hogsback; elevation 200 to 250 feet.

Portlandia arctica

Sand pits, east bank of Rideau River, 3/4 mile south of Rideau Junction; elevation 340 feet (top of section).

Mytilus edulis Lin.

Macoma balthica

Saxicava rugosa

Balani

Portlandia arctica

Cylichna alba Brown

East side of Rideau River at Black Rapids; elevation 250 to 275 feet.

Portlandia arctica
Saxicava rugosa var. arctica
Macoma calcarea
Macoma balthica
Astarte compressa Mont.

Canadian Northern ballast pit, 3/4 mile east of Bowesville, Ontario;
elevation 365 to 375 feet.

Portlandia arctica
Macoma calcarea
Saxicava rugosa

Creek east of Kingsmere, Quebec; elevation 450 to 510 feet.

Portlandia arctica
Saxicava rugosa
Macoma calcarea
Macoma balthica
Mytilus edulis

Half mile north of Old Chelsea, Quebec; elevation 470 feet.

Macoma balthica

Two miles north of Queens Park, Quebec; elevation about 470 feet.
Marine shells

1918 Kindle, E.M. p. 83

Uplands sand pit, south of Ottawa, Ontario.

Mytilus edulis
Macoma balthica
Saxicava rugosa
Balanus sp.

Clays of the Ottawa area.

Portlandia arctica
Saxicava rugosa
Macoma calcarea
Nucula tenuis

1922a Goldring, W. pp. 160-165

See Table VI

Two specific localities are listed as follows:

Green's Creek and Besserer's Wharf, Ottawa River.

Saxicava rugosa
Macoma groenlandica

TABLE VI. Faunal list, W. Goldring, 1922.

Species	Localities		
	1	2	3
<u>Lagena sulcata</u> (W. and J.)	X	X	
<u>Entosolenia globosa</u> Will.	X	X	
<u>Entosolenia costata</u> Will.	X	X	
<u>Entosolenia marginata</u> Will.	X	X	
<u>Entosolenia squamosa</u> Will.	X	X	
<u>Bulimina presli</u> P. and J.	X	X	
<u>Pulvinulina repanda</u> (F. and M.)	X	X	
<u>Polystomella crispa</u> (Linn.)	X	X	X
<u>Nonionina scapha</u> (F. and M.)	X	X	
<u>Textularia pygmaea</u> d'Orb.	X		
<u>Quinqueloculina seminulum</u> Linn.	X	X	
<u>Biloculina ringens</u> d'Orb.	X	X	
<u>Triloculina tricarinata</u> d'Orb.	X		
<u>Euryechinus drobachiensis</u> (Mull.)	X	X	
<u>Membranipora catenularia</u> Jam.	X		
<u>Hippothoa expansa</u> Daw.	X		
<u>Schizoporella hyalina</u> John.	X		
<u>Lepralia pertusa</u> Esper	X		
<u>Tubulipora fimbria</u> Lam.	X		
<u>Rhynchonella psittacea</u> Gm.	X	X	
<u>Saxicava rugosa</u> Lam. [= <u>arctica</u> L.] [Pl. 1, figs. 1-5]	X	X	X
<u>Mya arenaria</u> Linn. [Pl. 3, figs. 1, 2]	X	X	
<u>Mya truncata</u> Linn.	X	X	
<u>Macoma groenlandica</u> Beck [= <u>balthica</u> L.] [Pl. 1, figs. 6-8]	X	X	X
<u>Macoma calcarea</u> Chem.	X	X	X
<u>Astarte laurentiana</u> Lyell	X	X	X
<u>Astarte banksii</u> Leach	X	X	X
<u>Cardium (Serripes) groenlandicum</u> Chem.	X		
<u>Mytilus edulis</u> Linn. [Pl. 2, figs. 1-3]	X	X	X
<u>Modiolaria discors</u> Linn.	X	X	

TABLE VI (cont'd)

Species	Localities		
	1	2	3
<u>Yoldia arctica</u> Gray [Pl. 2, figs. 4-7]	X	X	X
<u>Pecten islandicus</u> Chem.	X		
<u>Puncturella noachina</u> Linn.	X		
<u>Lepeta coeca</u> Möll.	X	X	
<u>Capulus ungaricus</u> Linn.	X	X	
<u>Bela harpularia</u> Couth.	X	X	
<u>Natica clausa</u> Brod. and Sow.	X	X	
<u>Lunatia heros</u> Say	X		
<u>Lunatia groenlandica</u> Beck	X	X	X
<u>Velutina zonata</u> Gould	X	X	
<u>Scalaria groenlandica</u> Perry	X		
<u>Acirsa eschrichtii</u> Holb.	X	X	
<u>Admete viridula</u> Fabr.	X	X	X
<u>Neptunea despecta</u> Linn.	X	X	X
<u>Spirorbis vitrea</u> Fabr.	X	X	
<u>Balanus hameri</u> Asc.	X		
<u>Balanus porcatus</u> Da Costa	X		
<u>Balanus crenatus</u> Brug.	X	X	X
<u>Nodosaria laevigata</u> d'Orb.		X	
<u>Polymorphina lactea</u> Adams		X	
<u>Orbulina universa</u> d'Orb.		X	
<u>Cornuspira foliacea</u> (Phil.)		X	
<u>Tethea logani</u> Daw.		X	X
<u>Tethea?</u>		X	
<u>Ophiacantha spinulosa</u> M. and T.		X	
<u>Solaster (Crossaster) papposa</u> M. and T.		X	X
<u>Amphiura</u> sp.		X	
<u>Psolus fabricii</u> Dur. and Kor.		X	
<u>Lepralia quadricornuta</u> Daw.		X	
<u>Crisea eburnea</u> Ellis		X	
<u>Lyonsia arenosa</u> Möll.		X	
<u>Macoma inflata</u> Stim.		X	
<u>Cryptodon gouldii</u> Phil.		X	

TABLE VI (cont'd)

Species	Localities		
	1	2	3
<u>Modiola modiolus</u> Linn.		X	
<u>Modiolaria nigra</u> Gray		X	
<u>Nucula tenuis</u> Mont.		X	X
<u>Leda minuta</u> Fabr.		X	X
<u>Ostrea virginiana</u> Lister		X	
<u>Philine lineolata</u> Couth.		X	X
<u>Cylichna alba</u> Brown [Pl. 2, figs. 8, 9]		X	X
<u>Cylichna oryza</u> Totten		X	
<u>Cylichna nucleola</u> Reeve		?	
<u>Cylichna occulta</u> Migh. and Ad.		X	
<u>Haminea solitaria</u> Say		X	X
<u>Diaphana debilis</u> Gould		X	
<u>Utriculus pertenuis</u> Migh.		X	
<u>Amicula emersonii</u> Couth.		X	
<u>Crepidula fornicata</u> Linn.		X	
<u>Margarita helicina</u> Fabr.		X	
<u>Margarita argentata</u> Gould		X	
<u>Cyclostrema costulata</u> Möll.		X	
<u>Cyclostrema cutleriana</u> Clark		X	
<u>Turritella erosa</u> Couth.		X	
<u>Rissoa castanea</u> Möll.		X	
<u>Rissoa exarata</u> Stim.		X	
<u>Cingula jan meyeri</u> Friele		X	
<u>Bela elegans</u> Möll.		X	
<u>Bela pyramidalis</u> Ström		X	
<u>Bela turricula</u> Mont.		X	
<u>Bela violacea</u> Migh. and Adams		X	
<u>Choristes elegans</u> Cpr.		X	
<u>Trichotropis borealis</u> Brod. and Sow.		X	
<u>Trichotropis arctica?</u> Midd.		X	
<u>Ptychatractus ligatus</u> (Migh.)		X	
<u>Buccinum ciliatum</u> Fabr.		X	
<u>Buccinum glaciale</u> Linn.		X	

TABLE VI (cont'd)

Species	*Localities		
	1	2	3
<u>Sipho spitzbergensis</u> Reeve		X	
<u>Trophon scalariforme</u> Gould		X	
<u>Trophon clathratum</u> Linn.		X	
<u>Serpula vermicularis</u> Linn.		X	X
<u>Dentalina</u> sp.			X
<u>Porella elegantula</u> (d'Orb.)			X
<u>Leda pygmaea</u>			X
<u>Natica affinis</u>			X
<u>Nereis pelagica</u>			X

*Fossil localities (as originally described)

1. Quebec and vicinity.
2. Montreal.
3. Ottawa and vicinity.

1922a Goldring, W. pp. 160-165 (cont'd)

Yoldia arctica
Leda pygmaea
Nucula tenuis
Solaster papposa
Nereis pelagica
Mallotus villosus
Cyclopterus
Gasterosteus

Pakenham Mills, Ontario.

Macoma groenlandica

1922b Whittaker, E. J. pp. 103-108

Three miles west of Prescott, Ontario, on bank of St. Lawrence River just south of Blue Church; in sand.

Saxicava rugosa
Macoma balthica

Intersection of G. T. R. and C. P. R. tracks, just east of Prescott, Ontario; in sand.

Macoma balthica

Lot 8, con. 2, Williamsburg tp., Dundas co., Ontario; in sand.

Saxicava rugosa

Macoma balthica

Lot. 31, con. 6, Osnabruck tp., Stormont co., Ontario; in sand.

Macoma balthica

Lot 27, con. 4, Osnabruck tp., near Gallingertown; in sand.

Saxicava rugosa

Macoma balthica

Mytilus edulis

Balanus hameri

Balanus crenatus

Lot 36, con. 3, Cornwall tp., Stormont co.; in sand.

Saxicava rugosa

Macoma balthica

Balanus crenatus

Lot 21, con. 5, Charlottenburg tp., Glengarry co., Ontario; in sand

Saxicava rugosa

Macoma balthica

Mya arenaria

Lot 6, con. 8, Charlottenburg tp.; in sand.

Macoma balthica

Mya arenaria

Lot 3, con. 1, Williamsburg tp.; in clay.

Portlandia arctica

Saxicava rugosa

Macoma balthica

Creek northwest of Farran Point, Ontario; in clay.

Portlandia arctica

Saxicava rugosa

Leda minuta

Macoma balthica

Natica clausa

Mytilus edulis

One mile west of Dickinson Landing, Ontario, on bank of St. Lawrence River; in clay.

Saxicava rugosa
Nucula tenuis
Macoma balthica
Tethea (Craniella) logani

Sheek Island, opposite Moulinette, Ontario; in clay.

Macoma balthica

Four miles west of Melocheville, Beauharnois co., Quebec; in clay.

Portlandia arctica
Macoma calcarea
Macoma balthica

1925 Antevs, E. pp. 68-69, 95-97

Six and a half miles south of Ottawa, Ontario, 3/4 mile south of railway bridge across the Rideau; sand overlying clay.

Macoma sp.
Mytilus edulis
Saxicava rugosa
Balanus crenatus
Portlandia arctica [in clay]

Brick yard 3 1/4 miles south-southwest of Union Station, Ottawa, 3/4 mile south of Experimental Farm, and just west of Rideau Canal.

Portlandia arctica
Balanus
Axinus flexuosus
Nucula sp. 'not N. tenuis'

Five and a half miles north-northwest of Ottawa, 100 yards north of the highway bridge across Gatineau River, Quebec, on west side of river.

Portlandia arctica

Two and three-quarter miles south of Ottawa, brickyard at Billings Bridge.

Portlandia arctica

One and three-quarter miles north-northeast of Pakenham, Ontario, on south side of tributary to the Mississippi 200 yards below the bridge.

Macoma balthica

One and one third miles northwest of Arnprior, 200 yards west of C.P.R. track.

Portlandia arctica

Ottawa area; general list of species.

Macoma sp.

Mytilus edulis L.

Saxicava rugosa L.

Balanus crenatus Brug.

Portlandia arctica Gray

Macoma calcaria Chemn.

Macoma baltica L. var. grönlandica Beck

Astarte compressa Mont.

Nucula tenuis Mont.

Nucula sp.

Axinus flexuosus Mont.

Natica affinis Gmel.

Neptunea despecta L.

Cylichna alba Brown

- 1928 Kindle, E. M. p. 211
East of Ottawa, Ontario, on bank of Ottawa River, a few hundred
yards below the Rifle Ranges.
Mesidotea sabinai

- 1933 Retty, J. A. p. 101
Bonin's Hill, Quebec; clay.
Cylichna alba

- 1939 Antevs, E. pp. 713-714
Ottawa; section above the 240-foot beach.

Macoma sp.

Mytilus edulis

Saxicava rugosa

Balanus crenatus

Portlandia arctica

Macoma calcarea

Macoma balthica var. gronlandica

Astarte compressa

Nucula tenuis

Axinus flexuosus

Natica affinis

Neptunea despecta

Cylichna alba

Ottawa; section below the 240-foot beach.

Portlandia arctica

Saxicava rugosa

Kirk's Ferry, 300 feet upstream on Blackburn Brook, 10 miles
north-northwest of Ottawa.

Saxicava
Macoma
Portlandia arctica

Brennan, roadcut 400 yards north of station, 28 miles north-northwest of Ottawa.

Portlandia arctica
Macoma

- 1941 Coleman, A. P. pp. 90, 94, 95
St. Lawrence region.

Macoma
Saxicava
Mytilus

Ottawa area.

Portlandia arctica (= Leda glacialis)
Mytilus edulis

Smiths Falls.

Megaptera longimana

Montreal.

Tethea logani
Lepralia quadricornata
Choristes elegans
Ostrea virginiana
Delphinapterus leucas (or D. vermontanus)

- 1948 Smith, B. p. 8
Rivière du Sud, near St. François Montmagny, Quebec.
Plicifusus kroyeri

- 1950 Laverdière, J.-W. pp. 275-281
Daveluyville, Quebec; elevation 275 to 300 feet.

Balaenoptera acuto-rostrata
Macoma calcarea (L.)
Macoma groenlandica (Beck)
Mya truncata Lin.
Saxicava rugosa (Lin.)
Mytilus edulis (Lin.)
Yoldia (Portlandia) cf. siliqua (Rve.)
Astarte sp.
Buccinum undatum L.

Nepean tp., Carleton co., Ontario.

Delphinapterus leucas

Ottawa East, Ontario.
Delphinapterus leucas

Smiths Falls, Ontario.
Megaptera longimana

Pakenham, Ontario.
Delphinapterus leucas

Cornwall, Ontario.
Delphinapterus leucas or D. vermontanus

Williamstown, Ontario.
Delphinapterus leucas or D. vermontanus

Montreal, Quebec.
Delphinapterus leucas
Phoca groenlandica

Ottawa, Ontario.
Phoca groenlandica

Tétreauville, Quebec.
Phoca vitulina

1951a Osborne, F.F. pp. 222-251
St. Narcisse, Quebec; fossiliferous clays within the moraine.
Macoma groenlandica

1951b Sternberg, C.M. pp. 259-261
Pakenham, Ontario.
White whale

Foster sand pit, Uplands, near Ottawa, Ontario.
Delphinapterus leucas

Ottawa East, Ontario.
Delphinapterus leucas

Jock River, Ontario.
Delphinapterus leucas

Sand pits 5 miles south of Ottawa, Ontario.
Delphinapterus leucas

Odell's brick yard, 1/2 mile south of Ottawa.
Phoca groenlandica

Pontiac Point, Pontiac co., Quebec.

Phocoena phocoena

Daveluyville, Quebec.

Balaenoptera physalus

1958 Wagner, F.J.E. pp. 7-9

South of Highway 43, 3 1/4 miles east of Winchester, Ontario.

Mytilus edulis Linné, plus pearls

Macoma balthica (Linné)

Balanus crenatus Bruguière

Chainage 559 + 00, C. N. R. relocation, Cornwall area, Ontario.

Globulina sp.

Elphidium orbiculare (Brady)

Cassidulina norcrossi Cushman

Macoma balthica (Linné)

Hiatella arctica (Linné)

Cylichna sp.

? Cypridopsis sp.

Cyprideis sorbyana (Jones)

Chainage 558 + 00, C. N. R. relocation, Cornwall area.

Macoma balthica (Linné)

Hiatella arctica (Linné)

Chainage 542 + 00, C. N. R. relocation, Cornwall area.

Elphidium bartletti Cushman

Elphidium orbiculare (Brady)

Yoldia arctica (Gray)

Macoma balthica (Linné)

Hiatella arctica (Linné)

1960a Elson, J.A. p. 4

Southeast side of Mount St. Hilaire, Quebec; elevation 190 to 210 feet above sea-level.

Mya arenarea

Mya truncata

Macoma balthica

Hiatella arctica

Mytilus edulis

Balanus probably crenatus

Astarte probably borealis

Gastropod columella

Southeast side of Mount St. Hilaire; elevation 250 to 300 feet above sea-level.

Mya probably truncata

Macoma balthica
Hiatella arctica
Mytilus edulis
Balanus
Urosalpinx cinerea [probably]

West side of Mount St. Hilaire; elevation 350 to 400 feet above sea-level.

Hiatella arctica
Macoma calcarea
Astarte
Balanus

1960b Gadd, N.R. pp. 19-20

North shore of St. Lawrence River, near Champlain, Quebec.

Yoldia arctica

One and a half miles southeast of Ste. Gertrude, Quebec.

Mya truncata var. uddevalensis Forbes
Tethea logani Dawson
Hiatella arctica (Linné)
Balanus sp.
Mytilus edulis Linné
Macoma balthica (Linné)
Mya arenaria Linné
Gastropod columella

1960c Terasmae, J. p. 2

Cornwall area, Ontario; clay

Yoldia arctica
Macoma baltica

Cornwall area; beach gravel and sand

Mya arenaria
Hiatella arctica
Mytilus edulis
Balanus

1962 Richards, H.G. pp. 11, 44-87

Pakenham Mills, Cornwall, Ontario*

Macoma balthica (Linné)

Perth, Ontario.

Macoma balthica (Linné)

* Two separate localities are represented here, namely Pakenham (in Lanark co.) and Cornwall (in Stormont co.)

Ottawa, Ontario.

Yoldia (Portlandia) glacialis (Wood)
Macoma balthica (Linné)
Hiatella arctica (Linné)

Green Creek, Ottawa, Ontario.

Yoldia (Yoldiella) lenticula (Möller) [Pl. 1, figs. 23, 24]

Montreal, Quebec.

Nucula tenuis (Montagu) [Pl. 1, figs. 6-9]
Nuculana minuta (Müller) [Pl. 1, fig. 16]
Yoldia (Portlandia) glacialis (Wood) [Pl. 1, figs. 18-20, 27, 28]
Modiolus modiolus (Linné) [Pl. 4, fig. 8]
Mytilus edulis Linné [Pl. 4, figs. 11, 12]
Crenella glandula Totten [Pl. 5, figs. 3, 4]
Musculus nigra (Gray) [Pl. 5, fig. 12]
Lyonsia arenosa (Möller) [Pl. 5, figs. 16, 17]
Pandora glacialis Leach [Pl. 6, figs. 1, 2]
Astarte banksii (Leach) [Pl. 6, figs. 14, 15]
Astarte laurentiana Lyell [Pl. 6, figs. 17, 18]
Thyasira gouldi (Philippi) [Pl. 7, figs. 6, 7]
Macoma balthica (Linné) [Pl. 10, figs. 15, 16]
Macoma calcarea (Gmelin) [Pl. 10, figs. 17-19]
Mya arenaria Linné [Pl. 12, fig. 15]
Mya truncata Linné [Pl. 13, figs. 1, 2]
Hiatella arctica (Linné) [Pl. 12, figs. 17-20]
Margarites olivacea Brown [Pl. 14, fig. 12]
Margarites helicina (Phipps) [Pl. 14, figs. 13, 14]
Natica clausa Broderip and Sowerby [Pl. 15, figs. 6, 7]
Polinices groenlandicus (Beck) (Möller) [Pl. 15, fig. 5]
Capulus ungaricus Linné [Pl. 16, fig. 6]
Turritella (Tachyrhynchus) erosa Couthouy [Pl. 15, fig. 33]
Trichotropis borealis costellata Couthouy [Pl. 16, fig. 5]
Choristes elegans Carpenter [Pl. 17, fig. 15]
Trophon clathratus (Linné) [Pl. 18, figs. 6, 7]
Trophon scalariforme Gould
Buccinum ciliatum Fabricius [Pl. 18, fig. 25]
Neptunea despecta tornata (Gould) [Pl. 20, figs. 3, 10; Pl. 21, fig. 21]
Fasciolaria ligata Mighels and Adams [Pl. 20, fig. 9]
Lora elegans (Möller)
Lora pleurotomaria Couthouy [= L. pyramidalis of authors]
Lora scalaris Möller [= L. turricula of authors]
Lora violacea Mighels and Adams
Lora harpularia Couthouy
Retusa pertenus (Mighels) [Pl. 16, fig. 11]
Diaphana debilis (Gould) [Pl. 17, fig. 7]

Cylichna alba Brown [Pl. 21, fig. 18]
Cylichna oryza Totten [Pl. 16, fig. 10]
Cylichna occulta Mighels [Pl. 16, fig. 7]
Haminoea solitaria (Say) [Pl. 21, figs. 16, 17]

Records for Montreal not verified by H.G. Richards

Macoma inflata Stimpson
Acirsa eschrichtii Holboll [= A. costulata M. and A. ?]
Trichotropis arctica Middendorff
Admete viridula Fabricius
Philine lineolata Couthouy
Cylichna nucleola Reeve
Bulla pertenuis Mighels
Cyclostrema costulata Möller
Cyclostrema cutleriana Clark
Rissoa exarata Stimpson
Rissoa scrobiculata Möller
Chrysodomus spitzbergensis Reeve

Upton, Quebec.

Mya arenaria Linné

Acton, Quebec.

Mytilus edulis Linné
Macoma balthica (Linné)

St. Nicholas, Quebec.

Macoma balthica (Linné)
Hiatella arctica (Linné)

Quebec, Quebec.

Yoldia (Portlandia) glacialis (Wood)
Chlamys islandicus (Müller) [Pl. 4, fig. 1]
Mytilus edulis Linné
Astarte banksii (Leach)
Serripes groenlandicus (Bruguère) [Pl. 8, figs. 12, 13]
Macoma balthica (Linné)
Macoma calcarea (Gmelin)
Mya arenaria Linné
Mya truncata Linné
Hiatella arctica (Linné)
Lepeta caeca (Müller) [Pl. 14, figs. 3, 4]
Puncturella noachina (Linné) [Pl. 14, fig. 7]
Natica clausa Broderip and Sowerby
Polinices groenlandicus (Beck) (Möller)
Neptunea despecta tornata (Gould)
Lora harpularia Couthouy

Record for Quebec unconfirmed by H.G. Richards.
Acirsa eschrichtii Holboll [= A. costulata M. and A. ?]

Lévis, Quebec; record unconfirmed by H.G. Richards.
Capulus commodus Middendorff

Beauport, Quebec.

Musculus substriatus (Gray)

Astarte laurentiana Lyell

Acirsa costulata (Mighels and Adams) [Pl. 14, figs. 29-31]

Polinices heros (Say) [Pl. 15, figs. 2-4, 10]

Velutina undata Brown [Pl. 15, fig. 11]

1963 Dyck, W. and Fyles, J.G. p. 44
About 4 miles southeast of Pembroke, Ontario, 1/4 mile west of
Government Road station.
Marine shells*

1964 Dyck, W. and Fyles, J.G. p. 2
Road cut 1 mile north of Glennevis, Ontario.
Macoma balthica

1965a Dyck, W., Fyles, J.G., and Blake, W., Jr. p. 5
One mile south of Kingsey Falls, Quebec.
Macoma calcarea
Mya truncata
Hiatella arctica

1965b Terasmae, J. pp. 24-27, 51, 53
Cornwall area, Ontario.
Yoldia arctica (Gray)
Mytilus edulis (Linné)
Hiatella arctica (Linné)
Balanus crenatus Bruguière
Balanus sp.
Mya arenaria Linné
Macoma balthica (Linné)
Macoma calcarea (Gmelin)

Northwest shore of Sheek Island.
Hiatella

West bank of Aultsville Creek at Aultsville; 100 feet north of old
highway 2.
Hiatella
Macoma

* Macoma balthica; personal communication, R. Mott.

North bank of St. Lawrence River, 1.8 miles southwest of Aultsville.
Macoma

- 1966 Dyck, W., Lowdon, J.A., Fyles, J.G., and Blake, W. Jr.
Foster Sand Pit, 0.5 mile NW of Uplands Airport, Ottawa, Ontario.
White whale (beluga)

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PART II

LIST OF FOSSIL NAMES AND NAME CHANGES

<u>Original Designation</u>	<u>Current Usage</u>
<u>Acirsa</u>	gastropod
<u>costulata</u> (Mighels and Adams) 1962	<u>Acirsa costulata</u> (Mighels and Adams)
<u>eschrichtii</u> 1871b, 1872a, 1893a	<u>Acirsa costulata</u> (Mighels and Adams)
<u>eschrichtii</u> Holboll 1893b, 1915, 1922a, 1962	<u>Acirsa costulata</u> (Mighels and Adams)
<u>Aclis</u>	gastropod
(<u>Alvania</u>) <u>ascaris</u> ¹ 1863	<u>Aclis ascaris</u> (Turton)
<u>Acmaea</u>	gastropod
<u>caeca</u> 1857	<u>Lepeta caeca</u> Müller
(<u>Lepeta</u>) <u>caeca</u> 1863	<u>Lepeta caeca</u> Müller
<u>Admete</u>	gastropod
<u>couthouyi</u> (Jay) 1901d	<u>Admete couthouyi</u> (Jay)
<u>viridula</u> 1863, 1871b, 1872a	<u>Admete viridula</u> (Fabricius)
<u>viridula</u> Fabricius 1893b, 1915, 1922a, 1962	<u>Admete viridula</u> (Fabricius)
(<u>Cancellaria</u>) <u>viridula</u> 1857	<u>Admete viridula</u> (Fabricius)
<u>Amicula</u>	chiton
<u>emersonii</u> 1871b, 1872a	<u>Symmetrogephyrus vestitus</u> Broderip and Sowerby
<u>emersonii</u> Couthouy 1915, 1922a	<u>Symmetrogephyrus vestitus</u> Broderip and Sowerby
(<u>Stimpsonella</u>) <u>emersonii</u> Couthouy 1893b	<u>Symmetrogephyrus vestitus</u> Broderip and Sowerby
<u>vestita</u> 1857, 1863	<u>Symmetrogephyrus vestitus</u> Broderip and Sowerby
<u>Amphiura</u>	ophiuroid
sp. 1893b, 1915	<u>Amphiura</u> sp.
<u>Astarte</u>	pelecypod
<u>banksii</u> 1871b, 1872a, 1893a	<u>Astarte montagui</u> (Dillwyn)
<u>banksii</u> Leach 1901d, 1922a, 1962	<u>Astarte montagui</u> (Dillwyn)
(<u>Nicania</u>) <u>banksii</u> Leach 1893b	<u>Astarte montagui</u> (Dillwyn)
<u>borealis</u> 1960a	<u>Astarte borealis</u> Schumacher
<u>compressa</u> 1939	<u>Astarte montagui</u> (Dillwyn)
<u>compressa</u> Montagu 1916b, 1917, 1925	<u>Astarte montagui</u> (Dillwyn)
<u>laurentiana</u> ² 1845, 1846, 1859, 1863, 1871b, 1872a, 1893a, 1912b	<u>Astarte montagui</u> (Dillwyn) var.

- laurentiana Lyell² 1893b, 1915,
1922a, 1962
cf. laurentiana² 1912a
sp. 1863, 1912a, 1950, 1960a
- Asterias
sp. 1901b
- Axinus
flexuosus 1925, 1939
- Balaenoptera
acuto-rostrata 1950
physalus 1951b
- Balani
sp. 1917, 1925
- Balanus
candidus Wood 1846
crenatus 1857, 1859, 1863, 1871b,
1872a, 1892, 1893a, 1897a,
1901b, 1902, 1906a, 1922b,
1939, 1960a
crenatus Bruguière 1893b, 1901d,
1915, 1922a, 1925, 1958, 1965b
hameri 1857, 1863, 1871b, 1872a,
1889, 1893a, 1897a, 1901b,
1906a, 1922b
hameri Ascanius 1893b, 1901d,
1915, 1922a
miser 1841³, 1845
miser Gould 1846
porcatus 1857, 1863, 1893a, 1902
porcatus Da Costa 1893b, 1901d,
1922a
scoticus 1841
uddevallensis 1841, 1845, 1846
sp. 1898, 1918, 1960a, 1960b,
1960c, 1965b
- Bela
bicarinata var. violacea Mighels
and Adams 1901d
cancellata var. canadensis Verrill
and Bush 1901d
elegans 1871b, 1872a
elegans Möller 1893b, 1915, 1922a
harpularia 1871b, 1872a, 1893a,
1901d
harpularia Couthouy 1893b, 1915,
1922a
pleurotomaria Couthouy 1901d
- Astarte montagui (Dillwyn) var.
Astarte montagui (Dillwyn) var.
Astarte sp.
- Asterias sp.
- Thyasira flexuosa (Montagu)
whale
- Balaenoptera acutorostrata
Balaenoptera physalus
barnacle
- Balanus sp.
barnacle
- Balanus hameri (Ascanius)
Balanus crenatus Bruguière
Balanus crenatus Bruguière
Balanus hameri (Ascanius)
Balanus hameri (Ascanius)
Balanus crenatus Bruguière
Balanus crenatus Bruguière
Balanus balanus (Linné)
Balanus balanus (Linné)
Balanus hameri (Ascanius)
Balanus hameri (Ascanius)
Balanus sp.
- Oenopota bicarinata var. violacea
(Mighels and Adams)
Oenopota cancellata var. canadensis
"Verrill and Bush" Whiteaves
Oenopota elegans (Möller)
Oenopota elegans (Möller)
Oenopota harpularia (Couthouy)
Oenopota harpularia (Couthouy)
Oenopota pyramidalis (Ström)
- asteroid
pelecypod
whale
barnacle
barnacle
gastropod

- pyramidalis 1871b, 1872a
pyramidalis Ström 1893b, 1915,
1922a
- turricula 1871b, 1872a
turricula Montagu 1893b, 1915,
1922a
- violacea 1871b, 1872a
- violacea Mighels and Adams 1893b,
1915, 1922a
- Beluga
- albicans 1895
- catodon 1893b, 1895, 1901b, 1915,
1916a
- vermontana 1863, 1870a, 1871b,
1872a, 1897a, 1908b
- vermontana Thompson 1893b
- Biloculina
- ringens 1859, 1871b, 1872a, 1893a,
1893b, 1915
- ringens d'Orbigny 1922a
- Buccinum
- ciliatum 1857, 1859, 1863, 1871b,
1872a
- ciliatum Fabricius 1893b, 1901d,
1915, 1922a, 1962
- glaciale 1871b, 1872a
- glaciale Linné 1893b, 1901d, 1915,
1922a
- greenlandicum Chemnitz 1915
- groenlandicum 1871b, 1872a
- groenlandicum Chemnitz 1893b
- undatum 1841, 1857, 1859, 1863
- undatum Linné 1950
- Bulimina
- presli 1871b, 1872a, 1893a, 1893b,
1915
- presli Parker and Jones 1922a
- presli var. squamosa 1871b, 1872a,
1893a, 1893b
- Bulla
- debilis 1857
- (Diaphana) debilis 1863, 1871b,
1872a
- oryza 1857
- pertenuis Mighels 1962
- (Utriculus) pertenuis 1871b, 1872a
- (Haminea) solitaria 1871b, 1872a
- Oenopota pyramidalis (Ström)
- Oenopota pyramidalis (Ström)
- Oenopota turricula (Montagu)
- Oenopota turricula (Montagu)
- Oenopota bicarinata var. violacea
(Mighels and Adams)
- Oenopota bicarinata var. violacea
(Mighels and Adams)
- beluga
- Delphinapterus leucas
- Delphinapterus leucas
- Delphinapterus leucas
- foram
- Pyrgo ringens (Lamarck)
- Pyrgo ringens (Lamarck)
- gastropod
- Buccinum ciliatum (Fabricius)
- Buccinum ciliatum (Fabricius)
- Buccinum glaciale Linné
- Buccinum glaciale Linné
- Buccinum cyaneum Bruguière
- Buccinum cyaneum Bruguière
- Buccinum cyaneum Bruguière
- Buccinum undatum Linné
- Buccinum undatum Linné
- foram
- Arenobulimina preslii (Reuss)
- Arenobulimina preslii (Reuss)
- Arenobulimina sabulosa (Chapman)
- gastropod
- Diaphana minuta Brown
- Diaphana minuta Brown
- Cylichna oryza (Totten)
- Retusa obtusa Montagu
- Retusa obtusa Montagu
- Haminea solitaria (Say)

- Capulacmaea gastropod
radiata Sars 1901d
- Capulus gastropod
commodus 1871b, 1872a
commodus Middendorff 1893b, 1962
ungaricus Linné 1893b, 1915,
1922a, 1962
- Cardium pelecypod
groenlandicum 1845, 1846, 1857
(Serripes) groenlandicum 1863
(Serripes) groenlandicum Chemnitz
1893b, 1922a
islandicum 1845, 1846, 1857, 1863
- Cassidulina
norcrossi Cushman 1858
- Chlamys pelecypod
islandicus (Müller) 1962
- Choristes gastropod
elegans 1871b, 1872a, 1941
elegans Carpenter 1893b, 1915,
1922a
- Chrysodomus gastropod
despectus 1902
spitzbergensis 1871b, 1872a
spitzbergensis Reeve 1962
tornatus 1871b, 1872a, 1893a
- Cingula gastropod
arenaria Mighels and Adams 1901d
(Alvania) castanea Möller 1901d
jan meyeri Friele 1893b, 1915
(Alvania) jan meyeri Friele 1901d
jan meyeri Friele 1922a
- Cornuspira foram
foliacea 1871b, 1872a, 1893b, 1915
foliacea Philippi 1922a
- Cottus sculpin
uncinatus 1891, 1897a, 1901b, 1902
(Centrodermichthys) uncinatus
Reinhardt 1893b
sp. 1863, 1878, 1897a, 1917
- Craniella sponge
cranium Müller, 1901d
logani 1897a, 1901b, 1902
- Crenella pelecypod
decussata 1863
fabia Fabricius 1893b
- Piliscus commodus (Middendorff) gastropod
Piliscus commodus (Middendorff) gastropod
Piliscus commodus (Middendorff)
Capulus ungaricus (Linné)
- Serripes groenlandicus (Bruguère) pelecypod
Serripes groenlandicus (Bruguère) pelecypod
Serripes groenlandicus (Bruguère) pelecypod
- Clinocardium ciliatum (Fabricius) pelecypod
foram
- Islandiella norcrossi (Cushman) pelecypod
- Chlamys islandicus (Müller) pelecypod
- Choristes elegans Carpenter gastropod
Choristes elegans Carpenter gastropod
- Probably Neptunea despecta tornata gastropod
(Gould)
Colus spitzbergensis (Reeve)
Colus spitzbergensis (Reeve)
Neptunea despecta tornata (Gould) gastropod
- Alvania exarata Stimpson
Cingula castanea (Möller)
Alvania jan-meyeri Friele
Alvania jan-meyeri Friele
Alvania jan-meyeri Friele
Alvania jan-meyeri Friele
- Cyclogyra foliacea (Philippi) foram
Cyclogyra foliacea (Philippi) foram
- Artediellus uncinatus (Reinhardt) sculpin
Artediellus uncinatus (Reinhardt) sculpin
probably Artediellus uncinatus
(Reinhardt)
- Craniella cranium (Müller) sponge
Tethya logani Dawson
- Crenella decussata Montagu pelecypod
Crenella fabia Müller

- glandula 1863, 1871b, 1872a
glandula Totten 1893b, 1962
nigra 1863
- Crepidula
fornicata Linné 1893b, 1901d,
1915, 1922a
- Crisea
eburnea 1871b, 1872a
eburnea Ellis 1893b, 1915, 1922a
- Crossaster
papposus Fabricius 1901d
- Cryptodon
gouldii 1871b, 1872a
gouldii Philippi 1893b, 1901d,
1915, 1922a
- Cyclopterus
lumpus 1856
- Cyclopterus
lumpus 1852, 1863, 1871b, 1872a,
1878, 1891, 1897a, 1901b
lumpus Linné 1884, 1893b
sp. 1922a
- Cyclostrema
costulata Möller 1915, 1922a, 1962
(Mölleria) costulata 1871b, 1872a
(Mölleria) costulata Möller 1893b
cutleriana⁴ 1871b, 1872a
cutleriana⁴ Clark 1893b, 1915,
1922a, 1962
- Cylichna
alba 1871b, 1872a, 1897a, 1901b,
1902, 1933, 1939
alba Brown 1893b, 1901d, 1915,
1916b, 1917, 1922a, 1925, 1962
minuta 1897a, 1901b, 1902
nucleola 1871b, 1872a
nucleola Reeve 1893b, 1915, 1922a,
1962
occulta 1871b, 1872a
occulta Mighels 1962
occulta Mighels and Adams 1893b,
1915, 1922a
oryza 1863, 1871b, 1872a
oryza Totten 1893b, 1915, 1922a,
1962
sp. 1958
- Crenella glandula Totten
Crenella glandula Totten
Musculus niger Gray
- Crepidula fornicata Linné
- Crisea eburnea (Linné)
Crisea eburnea (Linné)
- Crossaster papposus (Linné)
- Thyasira gouldi (Philippi)
Thyasira gouldi (Philippi)
- Cyclopterus lumpus Linné
- Cyclopterus lumpus Linné
- Cyclopterus lumpus Linné
probably Cyclopterus lumpus Linné
- Molleria costulata (Möller)
Molleria costulata (Möller)
Molleria costulata (Möller)
Skenea cutleriana Clark
Skenea cutleriana Clark
- Cylichna alba Brown
- Cylichna alba Brown
- ? Diaphana minuta Brown
Cylichna nucleola Reeve
Cylichna nucleola Reeve
- Cylichna occulta Mighels
Cylichna occulta Mighels
Cylichna occulta Mighels
- Cylichna oryza Totten
Cylichna oryza Totten
- Cylichna sp.
- gastropod
- bryozoan
- asteroid
- pelecypod
- lumpfish
- lumpfish
- gastropod
- gastropod

<u>Cyprideis</u>		ostracod
<u>sorbyana</u> Jones 1958	<u>Heterocyprideis sorbyana</u> (Jones)	ostracod
<u>Cypridopsis</u>		ostracod
<u>sp.</u> 1958	<u>Cypridopsis sp.</u>	ostracod
<u>Cythere</u>		
<u>dawsoni</u> 1901d		
<u>dawsoni</u> Brady 1870b, 1871a, 1893b		
<u>globulifera</u> Brady 1870b, 1871a, 1893b		
<u>logani</u> 1870b, 1871a, 1893b	<u>Robertsonites logani</u> (Brady and Crosskey)	
<u>macchesneyi</u> 1870b, 1871a, 1893b		
<u>Cytheridea</u>		ostracod
<u>mulleri</u> 1857, 1863, 1893b	<u>Cytheridea mulleri</u> (Münster)	
<u>papillosa</u> Bosquet 1870b, 1871a, 1893b, 1901d	<u>Cytheridea papillosa</u> Bosquet	
<u>punctillata</u> Brady 1870b, 1871a, 1893b, 1901d	<u>Cytheridea punctillata</u> Brady	
<u>sorbyana</u> Jones 1870b, 1871a, 1893b, 1901d	<u>Heterocyprideis sorbyana</u> (Jones)	
<u>Cytheropteron</u>		ostracod
<u>angulatum</u> Brady, Crosskey and Robertson 1870b, 1871a, 1893b	<u>Cytheropteron angulatum</u> Brady and Robertson	
<u>complanatum</u> 1893b		
<u>complanatum</u> Brady and Crosskey 1870b, 1871a		
<u>inflatum</u> Brady, Crosskey, and Robertson 1870b, 1871a, 1893b	<u>Cytheropteron inflatum</u> Brady, Crosskey and Robertson	
<u>Cytherura</u>		ostracod
<u>robertsoni</u> Brady 1870b, 1871a, 1893b	<u>Cytherura gibba</u> (Müller)	
<u>Delphinapterus</u>		beluga
<u>catodon</u> 1897b	<u>Delphinapterus leucas</u>	
(Beluga) <u>catodon</u> 1908b	<u>Delphinapterus leucas</u>	
<u>leucas</u> 1907c, 1910, 1914, 1941, 1950, 1951b	<u>Delphinapterus leucas</u>	
<u>leucas</u> Pallas 1893b	<u>Delphinapterus leucas</u>	
<u>vermontana</u> 1908b	<u>Delphinapterus leucas</u>	
<u>vermontanus</u> 1941, 1950	<u>Delphinapterus leucas</u>	
<u>vermontanus</u> Thompson 1907a	<u>Delphinapterus leucas</u>	
<u>Dentalina</u>		foram
<u>communis</u> 1871b, 1872a	<u>Dentalina communis</u> d'Orbigny	
<u>sp.</u> 1892, 1897a, 1901b, 1922a	<u>Dentalina sp.</u>	
<u>Diaphana</u>		gastropod
<u>debilis</u> Gould 1893b, 1901d, 1922a, 1962	<u>Diaphana minuta</u> Brown	

<u>Diaphena</u>		gastropod
<u>debilis</u> Gould 1915	<u>Diaphana minuta</u> Brown	
<u>Discorbina</u>		foram
sp. 1897a, 1901b	? <u>Discorbis</u> sp.	
<u>Echinus</u>		echinoid
<u>granularis</u> 1863	<u>Strongylocentrotus drobachiensis</u>	
	(Müller)	
<u>granulatus</u> 1845, 1846, 1857	<u>Strongylocentrotus drobachiensis</u>	
	(Müller)	
sp. 1841	probably <u>S. drobachiensis</u> (Müller)	bryozoan
<u>Electra</u>		
<u>catenularia</u> Jameson ⁵ 1901d		
<u>Elphidium</u>		foram
<u>bartletti</u> Cushman 1958	<u>Elphidium bartletti</u> Cushman	
<u>orbiculare</u> Brady 1958	<u>Protelphidium orbiculare</u> (Brady)	
<u>Entosolenia</u>		foram
<u>costata</u> 1859, 1871b, 1872a, 1893a,	<u>Oolina costata</u> (Williamson)	
1893b, 1915		
<u>costata</u> Williamson 1922a	<u>Oolina costata</u> (Williamson)	
<u>globosa</u> 1859, 1871b, 1872a, 1893a,	<u>Oolina globosa</u> (Williamson)	
1893b		
<u>globosa</u> Williamson 1922a	<u>Oolina globosa</u> (Williamson)	
<u>marginata</u> 1871b, 1872a, 1893a,	<u>Oolina marginata</u> (Montagu)	
1893b, 1915		
<u>marginata</u> Williamson 1922a	<u>Oolina marginata</u> (Montagu)	
<u>squamosa</u> 1859 ⁶ , 1871b, 1872a,	<u>Oolina squamosa</u> (Montagu)	
1893a, 1893b, 1915		
<u>squamosa</u> Williamson 1922a	<u>Oolina squamosa</u> (Montagu)	
<u>sulcata</u> 1915	<u>Lagena sulcata</u> (Walker and Jacob)	
<u>Eschara</u>		bryozoan
<u>elegantula</u> ⁷ 1871b, 1872a, 1897a,		
1901b, 1902		
<u>elegantula</u> d'Orbigny ⁷ 1892		
<u>Estheria</u>		
<u>dawsoni</u> 1901b		
<u>dawsoni</u> Packard 1893b		
<u>Eucythere</u>		ostracod
<u>argus</u> 1893b	<u>Eucythere argus</u> (Sars)	
<u>argus</u> Sars 1870b, 1871a, 1901d	<u>Eucythere argus</u> (Sars)	
<u>Euryechinus</u>		echinoid
<u>drobachiensis</u> 1871b, 1872a	<u>Strongylocentrotus drobachiensis</u>	
	(Müller)	
<u>drobachiensis</u> Müller 1915, 1922a	<u>Strongylocentrotus drobachiensis</u>	
	(Müller)	
(<u>Strongylocentrotus</u>) <u>drobachiensis</u>	<u>Strongylocentrotus drobachiensis</u>	
Müller 1893b	(Müller)	

<u>Fasciolaria</u>	
<u>ligata</u> Mighels 1915	gastropod
<u>Fasciolaria</u>	
<u>ligata</u> 1871b, 1872a	gastropod
<u>ligata</u> Mighels 1893b	<u>Ptychatractus ligatus</u> (Mighels and Adams)
<u>ligata</u> Mighels and Adams 1962	<u>Ptychatractus ligatus</u> (Mighels and Adams)
<u>Fusus</u>	
<u>despectus</u> 1846	probably <u>Neptunea despecta tornata</u> (Gould)
<u>scalariformis</u> 1857	<u>Boreotrophon clathratus scalariformis</u> (Gould)
<u>tornatus</u> 1857, 1859, 1863, 1871b, 1872a	<u>Neptunea despecta tornata</u> (Gould)
(Clavatula) <u>turricula</u> 1859	<u>Lora turricula</u> (Montagu)
<u>Gasterosteus</u>	
<u>aculeatus</u> 1891, 1901b	stickleback
<u>aculeatus</u> Linné 1893b	<u>Gasterosteus aculeatus</u> Linné
sp. 1871b, 1872a, 1878, 1902, 1922a	probably <u>Gasterosteus aculeatus</u> Linné
<u>Globulina</u>	
sp. 1958	foram
<u>Haminea</u>	
<u>solitaria</u> Say 1893b, 1901d, 1915, 1922a	<u>Haminoea solitaria</u> (Say)
<u>Haminoea</u>	
<u>solitaria</u> Say 1962	gastropod
<u>Hemithyris</u>	
<u>psittacea</u> Gmelin 1901d	<u>Haminoea solitaria</u> (Say)
<u>Hiatella</u>	
<u>arctica</u> 1960a, 1960c, 1965a	gastropod
<u>arctica</u> Linné 1958, 1960b, 1962, 1965b	<u>Haminoea solitaria</u> (Say)
<u>Hippochoa</u>	
<u>axtenularia</u> Jameson ⁵ 1893a	brachiopod
<u>catenularia</u> ⁵ 1863, 1871b, 1872a	<u>Hemithyris psittacea</u> (Gmelin)
<u>catenulata</u> ⁵ 1859	pelecypod
<u>divaricata</u> 1859	<u>Hiatella arctica</u> (Linné)
<u>expansa</u> 1863, 1871b, 1872a, 1893a	<u>Hiatella arctica</u> (Linné)
<u>expansa</u> Dawson 1893b, 1901d, 1922a	<u>Hippochoa divaricata</u> Lamouroux
<u>Lacuna</u>	
<u>neritoidea</u> 1857, 1863	<u>Hippochoa expansa</u> Dawson
	<u>Hippochoa expansa</u> Dawson
	gastropod
	<u>Lacuna neritoidea</u> Gould

- Lagena foram
sulcata 1915 Lagena sulcata (Walker and Jacob)
sulcata Walker and Jacob 1922a Lagena sulcata (Walker and Jacob)
sulcata var. distoma 1871b, 1872a, Lagena distoma Parker and Jones
1893a, 1893b
sulcata var. semisulcata 1871b,
1872a, 1893a, 1893b
- Leda pelecypod
arctica 1898, 1901b, 1901c, 1902, Portlandia arctica (Gray)
1908a
(Portlandia) arctica 1883b, 1887, Portlandia arctica (Gray)
1897a, 1901b, 1902
caudata 1863 Nuculana minuta (Fabricius)
glacialis 1898, 1915, 1916a, 1916b, Portlandia arctica (Gray)
1917, 1941
(Portlandia) glacialis 1871b, 1872a, Portlandia arctica (Gray)
1893a
(Yoldia) glacialis 1895 Portlandia arctica (Gray)
minuta 1857⁸, 1863, 1871b, 1872a, Nuculana minuta (Fabricius)
1922b
minuta Fabricius 1893b, 1915, Nuculana minuta (Fabricius)
1922a
minuta Müller 1901d Nuculana minuta (Fabricius)
(Yoldia) oblongoides Wood 1846 Yoldia (Megayoldia) thraciaeformis
Storer
portlandica 1857, 1859, 1863 Portlandia arctica (Gray)
pygmaea 1857, 1863, 1871b, 1872a, Portlandia arctica (Gray)
1901b, 1922a
pygmaea Munster 1893b Portlandia arctica (Gray)
truncata 1863, 1871b, 1872a, 1893a Portlandia arctica (Gray)
sp. 1856 Portlandia sp. or Nuculana sp.
- Lepeta gastropod
caeca 1871b, 1872a, 1893a Lepeta caeca Müller
caeca Möller 1893b Lepeta caeca Müller
caeca Müller 1901d, 1962 Lepeta caeca Müller
coeca Möller 1915, 1922a Lepeta caeca Müller
- Lepralia⁹ bryozoan
hyalina 1859, 1863, 1893a Hippothoa hyalina (Linné)
pertusa 1859, 1863, 1893a
pertusa Esper 1901d, 1922a
quadricornata 1941
quadricornuta 1859, 1863, 1871b,
1872a
quadricornuta Dawson 1893b, 1915,
1922a
sp. 1871b, 1872a

- Littorina
palliata 1845, 1846, 1857, 1863
- Lora
elegans Möller 1962
harpularia Couthouy 1962
pleurotomaria Couthouy 1962
pyramidalis 1962
scalaris Möller 1962
turricula 1962
violacea Mighels and Adams 1962
- Lunatia
greenlandica Beck 1915
groenlandica 1871b, 1872a, 1893a
groenlandica Beck 1893b, 1922a
groenlandica (Beck) Möller 1901d
heros 1893a
heros Say 1893b, 1901d, 1922a
- Lyonsia
arenosa Möller 1893b, 1901d,
 1915, 1922a, 1962
 (Pandorina) arenosa 1871b, 1872a
- Macoma
balthica 1902, 1906a, 1906b, 1907a,
 1917, 1918, 1922b, 1925, 1960a,
 1963, 1964
balthica Linné 1901d, 1916b, 1922a,
 1958, 1960b, 1962, 1965b
baltica 1960c
balthica var. gronlandica 1939
balthica L. var. grönlandica Beck
 1925
calcareo 1871b, 1872a, 1892, 1893a,
 1897a, 1897b, 1901b, 1902,
 1912b, 1918, 1939, 1965a
calcareo Chemnitz 1887, 1893b,
 1915, 1916b, 1917, 1922a
calcareo Gmelin 1901d, 1962, 1965b
calcareo Linné 1950
calcaria Chemnitz 1925
fragilis 1892, 1897a, 1897b, 1898,
 1901a, 1901b, 1913a
fragilis Fabricius 1884, 1887, 1906a
greenlandica 1908a
greenlandica Beck 1915
groenlandica 1871b, 1872a, 1893a,
 1901c, 1911, 1916a, 1951a
- Littorina obtusata Linné
- Oenopota elegans (Möller)
Oenopota harpularia (Couthouy)
Oenopota pyramidalis (Strøm)
Oenopota pyramidalis (Strøm)
Oenopota turricula (Montagu)
Oenopota turricula (Montagu)
Oenopota bicarinata var. violacea
 (Mighels and Adams)
- Lunatia pallida (Broderip & Sowerby)
Lunatia pallida (Broderip & Sowerby)
Lunatia pallida (Broderip & Sowerby)
Lunatia pallida (Broderip & Sowerby)
Lunatia heros (Say)
Lunatia heros (Say)
- Lyonsia arenosa (Möller)
Lyonsia arenosa (Möller)
- Macoma balthica (Linné)
Macoma balthica (Linné)
Macoma balthica (Linné)
Macoma balthica (Linné)
Macoma calcarea (Gmelin)
Macoma calcarea (Gmelin)
Macoma calcarea (Gmelin)
Macoma calcarea (Gmelin)
Macoma balthica (Linné)
Macoma balthica (Linné)
Macoma balthica (Linné)
Macoma balthica (Linné)
- gastropod
 gastropod
 gastropod
 gastropod
 pelecypod
 pelecypod

- groenlandica Beck 1893a, 1922a, 1950
inflata 1863, 1871b, 1872a
inflata Stimpson 1893b, 1915, 1922a, 1962
inflata Verrill and Bush 1901d
proxoma 1916a
 sp. 1901a, 1925, 1939, 1941
- Mallotus
villosus 1845, 1846, 1852, 1863, 1870c, 1871b, 1872a, 1878, 1887, 1891, 1897a, 1901b, 1902, 1907b, 1922a
villosus Cuvier 1884, 1893b
 sp. 1901b, 1917
- Mangelia
 (Bela) turricula 1863
- Margarita
arctica 1857
argentata 1871b, 1872a
argentata Gould 1893b, 1915, 1922a
helicina 1863, 1871b, 1872a
helicina Fabricius 1893b, 1901d, 1915, 1922a
olivacea Brown 1901d
- Margarites
helicina Phipps 1962
olivacea Brown 1962
- Megaptera
longimana 1883a, 1883b, 1901a, 1901b, 1941, 1950
longimana Gray 1893b
- Membranipora
catenularia Jameson⁵ 1893b, 1922a
- Menestho
albula 1857, 1863
- Mesidotea
sabinei 1928
- Miliolina
seminulum 1859
- Modiola
glandula 1859
modiolus 1871b, 1872a
modiolus Linné 1893b, 1901d, 1915, 1922a
- Modiolaria
discors 1857, 1859, 1893a, 1893b, 1915
- Macoma balthica (Linné)
Macoma inflata "Stimpson" Dawson
Macoma inflata "Stimpson" Dawson
Macoma inflata "Stimpson" Dawson
Macoma calcarea (Gmelin)
Macoma sp.
- Mallotus villosus (Müller)
Mallotus villosus (Müller)
 probably Mallotus villosus (Müller)
Oenopota turricula (Montagu)
Margarites helicinus (Fabricius)
Margarites olivaceus (Brown)
Margarites olivaceus (Brown)
Margarites helicinus (Fabricius)
Margarites helicinus (Fabricius)
Margarites olivaceus (Brown)
Margarites helicinus (Fabricius)
Margarites olivaceus (Brown)
Margarites olivaceus (Brown)
Margarites olivaceus (Brown)
- Capelin
 gastropod
 gastropod
 gastropod
 whale
 bryozoan
 gastropod
 isopod
 foram
 pelecypod
 pelecypod
- Musculus discors (Linné)

- discors Linné 1901d, 1922a
nigra 1871b, 1872a
nigra Gray 1893b, 1901d, 1915,
1922a
- Modiolus
modiolus Linné 1962
- Molleria
costulata Möller 1901d
- Mollotus
villosus 1856
- Musculus
nigra Gray 1962
substriatus Gray 1962
- Mya
arenaria 1841, 1845, 1846, 1857,
1859, 1863, 1871b, 1872a, 1889,
1893a, 1907a, 1922b, 1960a,
1960c
arenaria Linné 1893b, 1901d, 1915,
1922a, 1960b, 1962, 1965b.
truncata 1841, 1842b, 1845, 1846,
1857, 1859, 1863, 1871b, 1872a,
1893a, 1893c, 1912b, 1960a
truncata Linné 1893b, 1901d,
1915, 1922a, 1950, 1962
truncata uddevallensis 1846, 1871b,
1872a, 1893b
truncata uddevallensis Forbes
1960b
sp. 1863, 1866
- Mytilus
edulis 1841, 1845, 1846, 1856,
1857, 1859, 1863, 1892, 1893a,
1897a, 1901a, 1901b, 1902,
1918, 1922b, 1925, 1939, 1941,
1960a, 1960c
edulis Linné 1884, 1893b, 1901d,
1915, 1917, 1922a, 1950, 1958,
1960b, 1962, 1965b
edulis var. elegans 1871b, 1872a
edulis var. laurentiana 1857
sp. 1842b, 1941
- Natica
affinis 1871b, 1872a, 1901b, 1902,
1917, 1922a, 1939
affinis Gmelin 1887, 1893a, 1897a,
1916b, 1925
- Musculus discors (Linné)
Musculus niger (Gray)
Musculus niger (Gray)
- VolSELLA modiolus (Linné) pelecypod
- Molleria costulata (Möller) gastropod
- Mollotus villosus (Müller) capelin
- Musculus niger Gray pelecypod
Musculus discors substriatus (Gray) pelecypod
- Mya arenaria Linné
Mya arenaria Linné
Mya truncata Linné
Mya truncata Linné
Mya truncata var. uddevallensis Forbes
Mya truncata var. uddevallensis Forbes
Mya sp. pelecypod
- Mytilus edulis Linné
Mytilus edulis Linné
probably Mytilus edulis Linné
probably Mytilus edulis Linné
Mytilus edulis Linné gastropod
- Natica affinis Gmelin
Natica affinis Gmelin

- clausa 1841, 1945, 1846, 1857,
1863, 1871b, 1872a, 1893a,
1916a, 1922b
clausa Broderip and Sowerby
1893b, 1901d, 1915, 1922a,
1962
groenlandica 1857
(Lunatia) groenlandica 1863
helicoides 1857
(Amauropsis) helicoides 1863
heros 1857
(Lunatia) heros 1863
septentrionalis 1841
- Neptunea
despecta 1939

despecta Linné¹⁰ 1893b, 1915,
1916b, 1917, 1922a, 1925
despecta tornata Gould 1901d, 1962
- Nereis
caeca Fabricius 1891
pelagica 1891, 1901b, 1922a
pelagica Linné 1893b
(Lycoris) pelagica Linné 1901d
- Nodosaria
laevigata 1915
laevigata d'Orbigny 1922a
(Glandulina) laevigata 1871b, 1872a,
1893b
(Glandulina) laevigata (var.
Dentalina communis) 1893b
- Nonionina
crassula 1859¹¹
scapha 1871b, 1872a, 1893a, 1893b,
1902, 1915
scapha Fichtel and Moll 1922a
scapha var. labradorica 1871b,
1872a, 1893a, 1893b
sp. 1897a, 1901b
- Nucula
expansa 1901b
minuta 1857
myalis Couthouy var. 1846

tenuis 1871b, 1872a, 1901b, 1902,
1918, 1922b, 1939
tenuis Montagu 1893b, 1901d, 1915,
1917, 1922a, 1925, 1962
- Natica clausa Broderip and Sowerby

Natica clausa Broderip and Sowerby

Lunatia pallida (Broderip and Sowerby)
Lunatia pallida (Broderip and Sowerby)
Amauropsis islandica (Gmelin)
Amauropsis islandica (Gmelin)
Lunatia heros (Say)
Lunatia heros (Say)
Natica clausa Broderip and Sowerby
gastropod
probably Neptunea despecta tornata
(Gould)
probably Neptunea despecta tornata
(Gould)
Neptunea despecta tornata (Gould)
annelid worm
Nephtys caeca (Fabricius)
Nereis pelagica Linné
Nereis pelagica Linné
Nereis pelagica Linné
foram
Glandulina laevigata d'Orbigny
Glandulina laevigata d'Orbigny
Glandulina laevigata d'Orbigny
probably Glandulina laevigata d'Orbigny
foram
Nonion crassula (Walker and Jacob)
Nonion scaphum (Fichtel and Moll)

Nonion scaphum (Fichtel and Moll)
Nonionellina labradorica (Dawson)

pelecypod
Nucula bellotii Adams
? Nuculana minuta (Fabricius)
Yoldia (Megayoldia) thraciaeformis
Storer
Nucula tenuis (Montagu)
Nucula tenuis (Montagu)

sp. 1841, 1845	<u>Nucula</u> sp.	
sp. (not <u>tenuis</u>) 1925	<u>Nucula</u> sp.	
<u>Nuculana</u>		pelecypod
<u>minuta</u> Müller 1962	<u>Nuculana</u> <u>minuta</u> (Fabricius)	
<u>Ophiacantha</u>		ophiuroid
<u>bidentata</u> Retzius 1893b, 1901d	<u>Ophiacantha</u> <u>bidentata</u> (Retzius)	
<u>spinulosa</u> M. and T. 1893b, 1915, 1922a		
<u>Ophiocoma</u>		ophiuroid
sp. 1859, 1863, 1871b, 1872a, 1893b		
<u>Ophiura</u>		ophiuroid
sp. 1857, 1859		
<u>Orbulina</u>		foram
<u>universa</u> 1871b, 1872a, 1893b, 1915	<u>Orbulina</u> <u>universa</u> d'Orbigny	
<u>universa</u> d'Orbigny 1922a	<u>Orbulina</u> <u>universa</u> d'Orbigny	
<u>Osmerus</u>		smelt
<u>mordax</u> 1891, 1901b	<u>Osmerus</u> <u>mordax</u> (Mitchill)	
<u>mordax</u> Gill 1893b	<u>Osmerus</u> <u>mordax</u> (Mitchill)	
<u>Ostrea</u>		pelecypod
<u>virginiana</u> 1941	<u>Crassostrea</u> <u>virginica</u> (Gmelin)	
<u>virginiana</u> Lister 1915, 1922a	<u>Crassostrea</u> <u>virginica</u> (Gmelin)	
sp. 1912b	probably <u>Crassostrea</u> <u>virginica</u> (Gmelin)	
<u>Pandora</u>		pelecypod
<u>glacialis</u> Leach 1962	<u>Pandora</u> <u>glacialis</u> Leach	
<u>Pecten</u>		pelecypod
<u>islandicus</u> 1841, 1845, 1846, 1857, 1859, 1863, 1871b, 1872a, 1893a	<u>Chlamys</u> <u>islandicus</u> (Müller)	
<u>islandicus</u> Chemnitz 1893b, 1922a	<u>Chlamys</u> <u>islandicus</u> (Müller)	
<u>Philine</u>		gastropod
<u>lima</u> Brown 1901d	<u>Philine</u> <u>lima</u> Brown	
<u>lineolata</u> 1871b, 1872a	<u>Philine</u> <u>lima</u> Brown	
<u>lineolata</u> Couthouy 1893b, 1915, 1922a, 1962	<u>Philine</u> <u>lima</u> Brown	
<u>Phoca</u>		seal
<u>groenlandica</u> Müller 1915	<u>Pagophilus</u> <u>groenlandicus</u> Erxleben	
<u>groenlandica</u> 1863, 1871b, 1872a, 1878, 1884, 1901b, 1950, 1951b	<u>Pagophilus</u> <u>groenlandicus</u> Erxleben	
<u>groenlandica</u> Mueller 1892	<u>Pagophilus</u> <u>groenlandicus</u> Erxleben	
(<u>Pagophilus</u>) <u>groenlandica</u> Müller 1893b	<u>Pagophilus</u> <u>groenlandicus</u> Erxleben	
<u>vitulina</u> 1897a, 1902, 1950	<u>Phoca</u> <u>vitulina</u> (Linné)	
sp. 1897a, 1902	<u>Phoca</u> sp. or <u>Pagophilus</u> sp.	
<u>Phocoena</u>	Atlantic harbour porpoise	
<u>phocoena</u> 1951b	<u>Phocoena</u> <u>phocoena</u>	
<u>Plicifusus</u>		gastropod
<u>kroyeri</u> 1948	<u>Plicifusus</u> <u>kroyeri</u> (Möller)	

<u>Polinices</u>		gastropod
<u>groenlandicus</u> (Beck) Möller 1962	<u>Lunatia pallida</u> (Broderip & Sowerby)	
<u>heros</u> Say 1962	<u>Lunatia heros</u> (Say)	
<u>Polymorphina</u>		foram
<u>lactea</u> 1859, 1871b, 1872a, 1893b, 1902, 1915	<u>Guttulina lactea</u> (Walker and Jacob)	
<u>lactea</u> Adams 1922a	<u>Guttulina lactea</u> (Walker and Jacob)	
<u>Polystomella</u>		foram
<u>crispa</u> 1887, 1897a, 1901b	<u>Elphidium crispum</u> (Linné)	
<u>crispa</u> Linné 1922a	<u>Elphidium crispum</u> (Linné)	
<u>crispa</u> var. <u>arctica</u> 1871b, 1872a, 1893a, 1893b	<u>Elphidiella arctica</u> (Parker and Jones)	
<u>crispa</u> var. <u>striatopunctata</u> 1871b, 1872a, 1893a, 1893b	probably <u>Elphidium incertum</u> (Williamson)	
<u>crispa</u> var. 1902	<u>Elphidium crispum</u> (Linné) var. ?	
<u>umbilicatula</u> 1859	probably <u>Elphidium incertum</u> (Williamson)	
<u>Polystromella</u>		foram
<u>crispa</u> 1915	<u>Elphidium crispum</u> (Linné)	
<u>Polystunella</u>		foram
<u>crispa</u> 1892	<u>Elphidium crispum</u> (Linné)	
<u>Porella</u>		bryozoan
<u>elegantula</u> d'Orbigny ⁷ 1893b, 1901d, 1915, 1922a		
<u>Portlandia</u>		pelecypod
<u>arctica</u> 1918, 1922b, 1925, 1939, 1941	<u>Portlandia arctica</u> (Gray)	
<u>arctica</u> Gray 1884, 1917	<u>Portlandia arctica</u> (Gray)	
(<u>Yoldia</u>) <u>arctica</u> Gray 1916b	<u>Portlandia arctica</u> (Gray)	
<u>glacialis</u> Wood 1901d	<u>Portlandia arctica</u> (Gray)	
sp. 1916b	<u>Portlandia</u> sp.	
<u>Psolus</u>		holothuroid
<u>fabricii</u> Dur. and Kor. 1915	<u>Psolus fabricii</u> (Düben and Koren)	
(<u>Lophothuria</u>) <u>fabricii</u> 1893b	<u>Psolus fabricii</u> (Düben and Koren)	
<u>phantopus</u> 1863, 1871b, 1872a, 1893b	<u>Psolus phantapus</u> (Linné)	
<u>Ptychatractus</u>		gastropod
<u>ligatus</u> 1893b, 1915	<u>Ptychatractus ligatus</u> (Mighels and Adams)	
<u>ligatus</u> Mighels 1901d, 1922a	<u>Ptychatractus ligatus</u> (Mighels and Adams)	
<u>Pulvinulina</u>		foram
<u>repanda</u> 1871b, 1872a, 1893a, 1893b, 1915	<u>Eponides repandus</u> (Fichtel and Moll)	
<u>repanda</u> Fichtel and Moll 1922a	<u>Eponides repandus</u> (Fichtel and Moll)	
<u>Puncturella</u>		gastropod
<u>noachina</u> Linné 1922a, 1962	<u>Puncturella noachina</u> (Linné)	

- (Cemoria) noachina 1863, 1871b, 1872a, 1893a
(Cemoria) noachina Linné 1893b
Quinqueloculina
seminulum 1871b, 1872a, 1893a, 1902, 1915
seminulum Linné 1922a
(Miliolina) seminulum 1893b
Retusa
pertenus 1962
pertusa Mighels 1901d
Rhynchonella
psittacea 1863, 1871b, 1872a, 1893a
psittacea Gmelin 1893b, 1915, 1922a
Rhynconella
psittacea 1857, 1859
Rissoa
castanea 1871b, 1872a
castanea Möller 1893b, 1915, 1922a
exarata 1871b, 1872a
exarata Stimpson 1893b, 1922a, 1962
exorata Stimpson 1915
minuta 1857
obsoleta 1863
scrobiculata 1871b, 1872a, 1893b
scrobiculata Möller 1962
Saxicava
arctica 1889, 1911, 1913b
arctica Linné 1922a
rugosa 1841, 1842a, 1842b, 1845, 1846, 1847, 1852, 1856, 1857, 1859, 1863, 1871b, 1872a, 1883b, 1892, 1893a, 1897a, 1897b, 1898, 1901a, 1901b, 1902, 1906a, 1907a, 1912a, 1912b, 1913a, 1918, 1922b, 1925, 1939
rugosa Lamarck 1893b, 1915, 1922a
rugosa Linné 1884, 1901d, 1916b, 1917, 1950
rugosa var. arctica 1863, 1871b, 1872a, 1893b, 1917
rugosa var. distorta 1863
sulcata Smith 1846
sp. 1883a, 1901a, 1911, 1939, 1941
Puncturella noachina (Linné)
Puncturella noachina (Linné) foram
Quinqueloculina seminulum (Linné)
Quinqueloculina seminulum (Linné)
Quinqueloculina seminulum (Linné) gastropod
Retusa obtusa Montagu
Retusa obtusa Montagu
Hemithiris psittacea (Gmelin) brachiopod
Hemithiris psittacea (Gmelin) brachiopod
Hemithiris psittacea (Gmelin) gastropod
Cingula castanea (Möller)
Cingula castanea (Möller)
Alvania exarata (Stimpson)
Alvania exarata (Stimpson)
Alvania exarata (Stimpson)
Paludestrina minuta (Totten)
Alvania scrobiculata (Möller)
Alvania scrobiculata (Möller) pelecypod
Hiatella arctica (Linné)
Hiatella arctica (Linné)
probably Hiatella arctica (Linné)
probably Hiatella arctica (Linné)
Hiatella arctica (Linné)
probably Hiatella arctica (Linné)
probably Hiatella arctica (Linné)
probably Hiatella arctica (Linné)

Scalaria

borealis 1841, 1845, 1846
(Acirsa) costulata Mighels 1901d
groenlandica 1845, 1846, 1857,
1863, 1871b, 1872a, 1893a
groenlandica Perry 1893b, 1901d,
1922a
groenlandica var. 1841

Schizoporella

hyalina Johnston 1893b, 1922a
hyalina Linné 1901d

Serpula

vermicularis 1857, 1863, 1871b,
1872a
vermicularis Linné 1893b, 1915,
1922a

Serripes

groenlandica 1871b, 1872a
groenlandicus 1893a
groenlandicus Bruguière 1962
groenlandicus Gmelin 1901d

Sipho

spitzbergensis Reeve 1893b, 1901d,
1915, 1922a

Solaster

papposa 1915
(Crassaster) papposa M. and T.
1893b, 1922a

Spirorbis

carinata 1863
sinistrorsa 1857, 1859, 1863
spirillum 1859, 1863
vitrea 1863, 1893a
vitrea Fabricius 1893b, 1915, 1922a
vitreus Fabricius 1901d

Strongylocentrotus

drobachiensis 1893a

drobachiensis Müller 1901d

Tellina

calcareo 1842b, 1845, 1846
calcareo var. ? 1841
groenlandica 1841, 1842b, 1845,
1846, 1856, 1857, 1859, 1863,
1871b, 1872a, 1883b, 1897a

gastropod

Acirsa costulata (Mighels and Adams)
Acirsa costulata (Mighels and Adams)
Epitonium groenlandicum (Perry)

Epitonium groenlandicum (Perry)

probably Epitonium groenlandicum
(Perry)

bryozoan

Hippothoa hyalina (Linné)
Hippothoa hyalina (Linné)

annelid worm

Serpula vermicularis Linné

Serpula vermicularis Linné

pelecypod

Serripes groenlandicus (Bruguière)
Serripes groenlandicus (Bruguière)
Serripes groenlandicus (Bruguière)
Serripes groenlandicus (Bruguière)

gastropod

Colus spitzbergensis (Reeve)

asteroid

Crossaster papposus (Linné)
Crossaster papposus (Linné)

annelid worm

Spirorbis spirillum (Linné)
Spirorbis vitreus (Fabricius)
Spirorbis vitreus (Fabricius)
Spirorbis vitreus (Fabricius)

echinoid

Strongylocentrotus drobachiensis
(Müller)

Strongylocentrotus drobachiensis
(Müller)

pelecypod

Macoma calcarea (Gmelin)
probably Macoma calcarea (Gmelin)
Macoma balthica (Linné)

- (Macoma) groenlandica 1889, 1895
proxima 1863
sp. 1863
- Terebratula
psittacea 1841, 1845, 1846
- Tethea
logani 1863, 1871b, 1872a, 1887,
1916a, 1941
logani Dawson 1892, 1893b, 1915,
1922a, 1960b
(Craniella) logani 1922b
sp. 1857, 1871b, 1872a, 1893b,
1915, 1922a
- Textularia
pygmaea 1871b, 1872a, 1893a,
1893b
pygmaea d'Orbigny 1922a
- Thyasira
gouldi Philippi 1962
- Trichotropis
arctica 1857, 1863, 1871b, 1872a
arctica Middendorff 1893b, 1915,
1922a, 1962
borealis 1845, 1846, 1857, 1859,
1863, 1871b, 1872a
borealis Broderip and Sowerby
1893b, 1901d, 1915, 1922a
borealis costellata Couthouy 1962
- Triloculina
tricarinata 1871b, 1872a, 1893a,
1893b
tricarinata d'Orbigny 1922a
- Tritonium
anglicanum 1841¹², 1845
fornicatum 1845
fornicatum Fabricius 1841¹³
- Trophon
clathratum Linné 1893b, 1915, 1922a
clathratus 1871b, 1872a
clathratus Linné 1901d, 1962
scalariforme 1863, 1871b, 1872a
scalariforme Gould 1893b, 1915,
1922a, 1962
- Tubulipora
fimbria Lamarck 1893b, 1901d,
1922a
- Macoma balthica (Linné)
Macoma calcareea (Gmelin)
Macoma sp.
- Hemithiris psittacea (Gmelin)
brachiopod
sponge
- Tethya logani Dawson
Tethya logani Dawson
Tethya logani Dawson
Tethya sp.
- Verneuilina pygmaea (Egger)
foram
Verneuilina pygmaea (Egger)
pelecypod
Thyasira gouldi (Philippi)
gastropod
- Trichotropis borealis Broderip and
Sowerby
Trichotropis borealis Broderip and
Sowerby
Trichotropis borealis var. costellata
Couthouy
foram
Triloculina tricarinata d'Orbigny
Triloculina tricarinata d'Orbigny
gastropod
- Boreotrophon clathratus (Linné)
Boreotrophon clathratus (Linné)
Boreotrophon clathratus (Linné)
Boreotrophon clathratus var.
scalariformis (Gould)
Boreotrophon clathratus var.
scalariformis (Gould)
gastropod
bryozoan

<u>flabellaris</u> 1859, 1863, 1871b, 1872a, 1893a	
<u>flabellaris</u> Johnston 1893b	
<u>Turritella</u>	gastropod
<u>erosa</u> 1857, 1863, 1871b, 1872a	<u>Tachyrhynchus erosum</u> (Couthouy)
<u>erosa</u> Couthouy 1893b, 1901d, 1915, 1922a	<u>Tachyrhynchus erosum</u> (Couthouy)
(<u>Tachyrhynchus</u>) <u>erosa</u> Couthouy 1962	<u>Tachyrhynchus erosum</u> (Couthouy)
<u>Urosalpinx</u>	gastropod
<u>cinerea</u> ¹⁴ (probably) 1960a	<u>Urosalpinx cinerea</u> Say
<u>Utriculus</u>	gastropod
<u>pertenuis</u> Mighels 1893b, 1915, 1922a	<u>Retusa obtusa</u> Montagu
<u>Velutina</u>	gastropod
<u>undata</u> Brown 1962	<u>Velutina undata</u> Brown
<u>undata</u> Smith 1846	<u>Velutina undata</u> Brown
(<u>Limneria</u>) <u>undata</u> 1902	<u>Velutina undata</u> Brown
(<u>Limneria</u>) <u>undata</u> Brown 1901d	<u>Velutina undata</u> Brown
<u>zonata</u> 1857, 1863, 1871b, 1872a, 1893a	<u>Velutina undata</u> Brown
<u>zonata</u> Gould 1846, 1893b, 1915, 1922a	<u>Velutina undata</u> Brown
sp. 1845	probably <u>Velutina undata</u> Brown beluga
White whale (Beluga) 1966	<u>Delphinapterus leucas</u>
<u>Yoldia</u>	pelecypod
<u>angularis</u> Möller 1846	<u>Yoldia (Megayoldia) thraciaeformis</u> Storer
<u>arctica</u> 1960b, 1960c	<u>Portlandia arctica</u> (Gray)
<u>arctica</u> Gray 1915, 1922a, 1958, 1965b	<u>Portlandia arctica</u> (Gray)
(<u>Portlandia</u>) <u>arctica</u> Gray 1893b	<u>Portlandia arctica</u> (Gray)
(<u>Portlandia</u>) <u>glacialis</u> Wood 1962	<u>Portlandia arctica</u> (Gray)
(<u>Portlandia</u>) cf. <u>siliqua</u> Reeve 1950	<u>Portlandia arctica</u> (Gray)
(<u>Yoldiella</u>) <u>lenticula</u> Möller 1962	<u>Portlandia lenticula</u> (Möller)

Footnotes to Part II

- ¹ Acлис ascaris is an eastern Atlantic species (Fretter and Graham, 1962).^a
- ² Astarte laurentiana appears to be synonymous with Astarte montagui (Dillwyn), vars. Most specimens examined are referable to Astarte montagui var. striata (Leach), with a few trending toward A. montagui var. warhami Hancock.
- ³ Balanus miser in the 1841 reference looks to be Balanus crenatus Bruguière.

- 4 Cyclostrema cutleriana is an eastern Atlantic species (Fretter and Graham, 1962).^a
- 5 Electra catenularia, Hippothoa catenularia (also H. axtenularia and H. catenulata) and Membranipora catenularia are one and the same species.
- 6 Entosolenia squamosa, 1859, figs. 8-10 are identifiable as follows: fig. 8, probably Oolina melo d'Orbigny; fig. 9, Oolina lineato-punctata (Heron-Allen and Earland); fig. 10, Oolina hexagona (Williamson).
- 7 Eschara elegantula and Porella elegantula are one and the same species. Eschara is an unrecognized generic name (Treatise on invertebrate paleontology, pt. G).^b
- 8 Leda minuta in the 1857 reference looks to be Nuculana pernula (Müller).
- 9 Lepralia is an unrecognized generic name (Treatise on invertebrate paleontology, pt. G).^b
- 10 Neptunea despecta is not a western Atlantic species; all specimens recorded are probably N. despecta var. tornata (Gould).
- 11 Nonionina crassula; the illustration appears to be of Elphidium bartletti Cushman.
- 12 Tritonium anglicanum in the 1841 reference is apparently Buccinum tenue Gray (cf. N. MacGinitie, 1959, pl. 9, figs. 8, 9).^c
- 13 Tritonium fornicatum; the illustration in the 1841 reference appears to be of Neptunea despecta var. tornata (Gould).
- 14 Urosalpinx cinerea ranges from the southern Gulf of St. Lawrence south to southern Florida. The species here may be Aporrhais occidentalis Beck (E. L. Bousfield, National Museum of Canada; personal communication).

^aFretter, Vera and Graham, Alastair: British prosobranch molluses; The Ray Society, No. 144, 1962.

^bMoore, R. C. (editor): Treatise on invertebrate paleontology, pt. G, 1953.

^cMacGinitie, Nettie: Marine Mollusca of Point Barrow, Alaska; Proc. U.S. Nat. Mus., vol. 109, pp 59-208, 1959.