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**BATHYMETRIC CHECK LIST OF THE MARINE INVERTEBRATES OF
EASTERN CANADA WITH AN INDEX TO WHITEAVES' CATALOGUE.¹**

(By E. M. KINDLE and E. J. WHITTAKER.)

INTRODUCTORY NOTE.

The primary object of this paper is to bring together in columnar form all of the available information relating to the depth at which the various species of marine invertebrates live which are known from the Atlantic coastal waters of Canada. The value of the segregation and graphic presentation of any group of facts relating to invertebrate environment is obvious from the standpoint of ecology. The significance of many factors in the environment of faunas becomes clearly apparent only when treated in this way. There is no factor in marine faunal environment which more readily lends itself to this kind of analysis than bathymetric data. Such data though nearly always given by marine Zoologists are generally placed obscurely in the midst of extraneous matter and almost never shown in tabular or easily comprehensible form.

Bathymetric range of fossil faunas is a factor which enters into many problems in palaeontological correlation and it is very desirable that the palaeontologist as well as the zoologist should have access to the recorded bathymetric data in tabular form relating to present marine faunas. There perhaps is no group of facts pertaining to recent faunas of greater significance to stratigraphic palaeontologists than those relating to the bathymetric range of species. The geologic importance of knowing the present range in depth of the marine shells now living in the Gulf of St. Lawrence is clearly apparent to the geologist who attempts to use the fossil Pleistocene shells of the St. Lawrence valley in interpreting the details of its Post-glacial history. The geological and zoological importance of this class of data has induced the authors to bring together in columnar form the recorded information regarding the bathymetric range of species as recorded by Dr. Whiteaves together with the data published by later authors. In order to facilitate rapid comparative examination of the bathymetric data it has been recorded in columnar form, five columns being used. The first three of these columns correspond respectively to the intertidal or beach, the laminarian and the coralline zones. The intertidal zone extends between low and high tides; the laminarian zone reaches from low-water mark to 15 fathoms; the fourth column includes depths of from 50 to 100 fathoms which may be termed the subcoralline zone. The 100 fathom line marks the approximate margin of the continental shelf. All of the records exceeding this depth have for convenience been placed together in a single column.

The bathymetric check list has been brought up to date by the examination of the papers on the marine invertebrates of Eastern Canada which have appeared since the publication of Dr. Whiteaves' paper. Where these later contributions have furnished new bathymetric information its source is indicated by a number following the species name which refers to the bibliographic list at the end of this paper.

The authors have also undertaken in the following pages to make more easily accessible and usable the large amount of information on the marine faunas of Eastern Canada contained in Dr. Whiteaves' Catalogue of the Marine invertebrata of Eastern Canada² by the preparation of an index to it. Many zoologists have doubt-

¹ Published with the permission of the Director of the Canadian Geological Survey.

² Geol. Survey of Canada, 1901.

less, like Professor Prince, felt that the usefulness of this catalogue "would be vastly increased by the addition of an index."¹ The importance of this volume to the zoologist is evident and its interest to the geologist dealing with the Pleistocene is almost equally great. The student of the Pleistocene fossils of eastern Canada and the New England States finds it desirable to refer constantly to this valuable work. The omission from it of an index however, has made such reference difficult and wasteful of time and caused the student of both the Pleistocene and Recent shells to make much less use of the catalogue than its value warrants. The present index to the species of this catalogue, which number more than 1,000, is intended to remove this bar to frequent and easy reference to the wealth of information concerning the Atlantic coast faunas of Canada which was brought together by Dr. Whiteaves.

In a paper having the object and scope of the present one, it does not appear desirable to attempt any revision of the nomenclature. The nomenclature adopted by Whiteaves has therefore been followed throughout and where later authors have used names different from those accepted by Whiteaves for the same forms cross references to the latter have been used. All of the names which appear in the synonymy of the Whiteaves' catalogue will be found in the general index.

BATHYMETRIC TABLES.²

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.			
			1-15	15-50	50-100	100 †
PROTOZOA.						
<i>Reticularia (Foraminifera).</i>						
Ammodiscus incertus, d'Orbigny.....	D.W.					x
Biloculina oblonga Montfort.....	6-313		x	x	x	x
Biloculina ringens Lamarck 35.....	I.T.-S.W.	x	x			
Bolivina punctata d'Orbigny 35.....	D.W.					x
Bulimina aculeata d'Orbigny.....	18-D.W.			x	x	x
Bulimina elegantissima d'Orbigny.....	7-250		x	x	x	x
Bulimina pyrula d'Orbigny.....	30-D.W.			x	x	x
Cassidulina crassa d'Orbigny.....	10-D.W.		x	x	x	x
Cassidulina laevigata d'Orbigny.....	18-250			x	x	x
Cornuspira foliaceus Philippi.....						
Cristellaria crepidula F. and M.....						
Cristellaria lituus d'Orbigny.....						
Cristellaria rotulata Lamarck.....						x
Globigerina aequilateralis ? 11.....	F.					
Haplophragmium canariense d'Orbigny 35.....	54-200		x	x	x	x
Haplophragmium cassis Parker.....	10-20		x	x		
Hippocrepina indivisa Parker.....	16-20			x		
Lagena apiculata Reuss.....	100+					x
Lagena distoma P. and J.....	10-313		x	x	x	x
Lagena globosa W. and J.....	16-313			x	x	x
Lagena laevis Montagu.....	250					x
Lagena marginata W. and B.....	30			x		
Lagena melo d'Orbigny.....	100+					x

²NOTE.—The Maximum and minimum depth recorded for each species is indicated in the first column. The bathymetric range is also indicated graphically by checking each species in each of the columns in which its range falls, thus facilitating rapid comparative examination of the recorded data. Sometimes the information regarding bathymetric range is of an approximate or comparative nature and in such cases some one of the following symbols has been used for expressing range not recorded in linear units.

o—Low water mark.
D.W.—Deep water.
F.—Free swimming.
I.T.—Intertidal.
P.—Parasitic.

S.W.—Shallow water.
<3—Depths less than 3 fathoms.
>100—depths greater than 100 fathoms.
10—Depth in fathoms.

¹ Ottawa Naturalist, vol. 15, 1912, p. 171.

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BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.			
			1-15	15-50	50-100	100 +
PROTOZOA—Con.						
<i>Reticularia (Foraminifera)</i> —Con.						
Lagena ornata Willdenow.....	30-100?			x	x?	x?
Lagena semistriata Willmason.....	30-100?			x	x?	x?
Lagena squamosa Montagu.....	30.....			x		
Lagena striatopunctata P. and J.....	30.....			x		
Lagena sulcata P. and J.....	16-50.....			x		
Miliolina agglutinans d'Orbigny.....	10-50.....		x	x		
Miliolina bicornis W. and J. 35.....	2-50.....		x	x		
Miliolina ferussacii d'Orbigny.....	35-50.....			x		
Miliolina oblonga Montfort 35.....	2-50.....		x	x		
Miliolina secans d'Orbigny.....	<50.....			x		
Miliolina seminulum L. 35.....	2-313.....		x	x	x	x
Miliolina subrotunda Montfort.....	<50.....			x		
Miliolina tricarinata d'Orbigny.....	18-50.....			x		
Miliolina trigonula d'Orbigny.....	<50.....			x		
Nodosaria (Dentalina) communis d'Orbigny.....	30-50.....			x		
Nodosaria (Glandulina) laevigata d'Orbigny.....	30-313.....			x	x	x
Nodosaria (Dentalina) pauperata d'Orbigny.....	313.....					x
Nonionina scapha F. and M.....	35-D.W.?			x	x?	
Nonionina labradorica.....	15-100.....			x	x	x
Patellina corrugata Williamson 35.....	1.T.-40.....	x	x	x		
Polymorphina compressa d'Orbigny.....	10-50.....		x	x		
Polymorphina lactea W. and J. 35.....	2-313.....		x	x	x	x
Polystomella arctica P. and J.....	30-50.....			x		
Polystomella striatopunctata F. and M. 35.....	2-300.....		x	x	x	x
Pulvinulina karsteni Reuss.....	30-250.....			x	x	x
Reophax findens Parker.....	10-50.....		x	x		
Reophax scorpiurus Montfort.....	16-20.....			x		
Rhabdammina abyssorum M. Sars.....	20-D.W.....			x	x	x
Rhabdammina discreta Brady.....						
Rotalia beccarii Linnaeus 35.....	2-313.....		x	x	x	x
Spiroplecta bififormis P. and J.....						
Textularia agglutinans d'Orbigny.....						
Textularia variabilis Willdenow.....				x	x	
Trochammina inflata Montfort.....	10-40.....		x	x		
Truncatulina lobatula W. and J. 35.....	4-D.W.....		x	x	x	x?
Uvigerina angulosa Willdenow.....	D.W.....				x	x
Uvigerina pygmaea d'Orbigny.....	30-90.....			x	x	
Vaginulina spinigera Brady.....	D.W.....				x	x
Valvulina conica P. and J.....	D.W.....				x	x
Verneuilina polystropha Reuss 35.....	10-20.....		x	x		
Virgulina squamosa d'Orbigny.....						
<i>Silicoflagellata, Radiolaria and Ciliata.</i>						
Acanthonia echinoides (Clap. & Lach) 11.....	F...					
Acanthostaurus pallidus F.....	F					
Amphorella subulata (Ehrb) Daday 11.....						
Codonella ventricosa 11.....						
Codonella lagenula (Clap & Lach) 11.....						
Cyttarocyclus denticulata var. gigantea Brandt. 11.....						
Distephanus aculeatus (Ehrenberg).....	S.W.-313..		x	x	x	x
Distephanus speculum var. regularis Lemmermann 11.....						
Ebria tripatrita (Schum) Lemmermann 11.....						
Plagiacanthus arachnoides Clap. 11.....	F.					
Ptychocyclus urnula Clap. & Lach. 11.....						
Strombidium sulcatum C. & L. 11.....						
Tintinnopsis beroidea Stein 11.....						
Tintinnopsis campanula Ehrb. Daday 11.....						
Tintinnopsis davidow Daday 11.....						
Tintinnopsis cylindrica 11.....						
Tintinnopsis lobiancoi 11.....						
Tintinnus acuminatus (C. & L.) 11.....						
Tintinnus obliquus (C. & L.) 11.....						

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.			
			1-15	15-50	50-100	100 †
PORIFERA (SPONGES).						
<i>Calcarea.</i>						
Amphoriscus thompsoni Lambe.....	60.				x	
Grantia canadensis Lambe.....	22-56.			x	x	
Heteropia rodgeri Lambe.....	60.				x	
Leucosolenia cancellata Verrill.....	60.				x	
Sycon asperum Lambe.....	56.				x	
Sycon protectum Lambe.....	56-60.				x	
<i>Demospongiae.</i>						
Artemisina suberitoides Vosmaer.....	85.				x	
Chalina oculata (Pallas).....						
Cladorhiza abyssicola M. Sars.....	200.					x
Cladorhiza grandis Verrill.....	D.W.					x
Cladorhiza nordenskiöldii Fristedt.....	200.					x
Clathria delicata Lambe.....	3-6 ?		x			
Cliona celata Grant 35.....	2-19.		x	x		
Craniella cranium (Muller).....	20-30.			x		
Desmacella peachii (Bowerbank) var. groenlandica Fristedt.....	130-200.					x
Desmacidon (Homaeodictya) (palmata (Johnston) 35, 47.....	11-20.		x	x		
Esperella lingua (Bowerbank).....	75-80.				x	
Esperella modesta Lambe.....						
Eumastia sitiens O. Schmidt.....	22.			x		
Gellius arcoferus Vosmaer.....	75-80.				x	
Gellius flagellifer Ridley & Dendy.....	38-80.			x	x	
Gellius laurentinus Lambe.....	60-130.				x	x
Halichondria panicea Johnston 35.....	6-22.		x	x		
Iophon chelifera Ridley & Dendy.....	100.				x	
Myxilla incrustans (Johnston).....						
Phakellia ventilabrum (Johnston).....	56.				x	
Polymastia mamillaris (Muller).....	120-210.					x
Polymastia robusta Bowerbank 35.....	17-85.			x	x	
Quasillina brevis (Bowerbank).....	85.				x	
Reniera mollis Lambe.....	30-60.			x	x	
Reniera rufescens Lambe.....						
Stylocordyla borealis (Loven).....	85-220.				x	x
Suberites ficus (Johnston).....	1-6 ?		x			
Suberites hispidus (Bowerbank).....	212.					x
Suberites montalbidus Carter.....	20-30.			x		
Tentorium semisuberites (Schmidt).....	50-250.				x	x
Thenea muricata (Bowerbank).....	220-250.					x
Trichostemma hemisphaericum M. Sars.....	112.					x
COELENTERATA.						
<i>Hydromedusæ and Scyphomedusæ.</i>						
Acaulis primarius Stimpson.....	5-15.		x			
Aeginopsis laurenti Brandt 16.....			x			
Aglantha rosea Forbes 16.....	25 F.					
Aglaophenopsis cornuta (Verrill).....	200.		x			x
Antennularia antennina (L).....	10-60.			x	x	
Aurelia flavidula Peron & Lesueur.....	F.					
Bougainvillia supercilialis (L. Agassiz) 16, 35.....	25.			x		
Bougainvillia carolinensis (McCready) 31.....	I.T.	x				
Calycella syringa (L) 16, 35.....	25-313.			x	x	x
Campanularia amphora (Agassiz) 16, 35, 43.....	I.T.-S.W.	x	x			
Campanularia caliculata Hincks = Eucopella cali- culata (Hincks) 31 = Oxopyxis caliculata 43.....	0-100.....		x	x	x	
Campanularia flexuosa Hincks 43.....	I.T.-10.	x	x			
Campanularia groenlandica Levinsen 31, 43.....	1-50.		x	x		

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BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal Zone.	BATHYMETRIC RANGE.			
			Fathoms.			
			1-15	15-50	50-100	100
COELENTERATA—Con.						
Hydromedusae—Con.						
Campanularia hincskii Alder 35, 43.	0-144.		x	x	x	x
Campanularia integra Linnaeus 43.	1-100.		x	x	x	
Campanularia magnifica Fraser 31, 43.	50-72.				x	
Campanularia neglecta (Alder) 31, 35, 43.	I.T.-16.	x	x	x		
Campanularia verticillata (L) 43.	1-330.		x	x	x	x
Campanularia volubilis (Pallas) 24.	0-110.		x	x	x	x
Catablenia vesicaria (A. Agassiz) 16.						
Cladocarpus pourtalesii Verrill.	112-300.					x
Cladocarpus speciosus Verrill.	200.					x
Clava leptostyla Agassiz 31, 35.	I.T.-20.	x	x	x		
Clytia johnstoni (Alder) 31, 43.	0-110.		x	x	x	x
Clytia noliiformis McCready 43.	1-110.		x	x	x	x
Cryptolaria triserialis Fraser 31.	20.			x		
Cuspidella grandis Hincks.	15.		x			
Cyanea arctica Peron & Lesueur 16.						
Dicoryne flexuosa G. O. Sars.	50-125.				x	x
Diphasia fallax (Johnston) 31.	4-55.		x	x	x	
Diphasia mirabilis Verrill = Selaginopsis mirabilis Verrill 31.	50-60.				x	
Diphasia rosacea (L) 31.	5-50.		x	x		
Diphyopsis campanulifera (Eschscholtz) 16, 35.						
Eudendrium capillare Alder 35.	45.			x		
Eudendrium cingulatum Stimpson.	20.			x		
Eudendrium dispar Agassiz 31.	1-20.		x	x		
Eudendrium rameum (Pallas) 35.	100.				x	
Eudendrium ramosum (L) 31.	6-100.		x	x	x	
Eudendrium tenue Agassiz 31, 35.	I.T.-15.	x	x			
Filellum expansum Levensen 31.	5.		x			
Filellum serpens (Hassall) 31.	50.			x		
Gonothyraca gracilis (Sars) 31, 43.	1-110.		x	x	x	x
Gonothyraca loveni (Allman) 31, 35, 43.	1-55.		x	x	x	
Grammaria abietina M. Sars 31.	25-60.			x	x	
Grammaria gracilis Stimpson.						
Halecium beani (Johnston) 31, 35.	5-50.		x	x		
Halecium halecinum (L) 35.	3-30.		x	x		
Halecium minutum Brock 31.	50.			x		
Halecium muricatum (Ellis & Solander) 31.	30-50.			x		
Halecium sessile Norman.	212.					x
Halecium tenellum Hincks 31, 35.	50.			x		
Halyclystus auricula Clark 16.	0-5.		x			
Hydractinia echinata Johnston 31, 35, 47.	I.T.-60.	x	x	x	x	
Hydrallmania falcata (L) 31.	0-110.		x	x	x	x
Lafoea dumosa (Fleming) 31.	20.			x		
Lafoea fruticosa Sars 31.	20.			x		
Lafoea gracillima (Alder) 31.	45-60.			x	x	
Lafoea pygmaea Alder 31.	25.			x		
Lafoea robusta Verrill.	120-200.					x
Lafoea symmetrica Bonnevie 31.	20.			x		
Lucernaria quadricornis Muller.	4-10.		x			
Manania auricula Clark.						
Melicerium campanula Fabricius 16, 35.	5.		x			
Monocaulus glacialis (M. Sars) 47 = Corymorpha pendula Agassiz 31.	0-50.		x	x		
Myriothele phrygia (Fabricius).						
Obelia commissuralis McCready 31, 35, 43.	I.T.-10.	x	x			
Obelia dichotoma (L) 31, 35, 43.	I.T.-10.	x	x			
Obelia gelatinosa (Pallas) 35 = Obelaria gelatinosa 43.	I.T.-30.	x	x	x		
Obelia geniculata (L) 16, 31, 35, 43.	0-40.		x	x		
Obelia longissima (Pallas) 35, 43.	1-80.		x	x	x	
Obelia pyriformis Verrill 35.	I.T.					
Opercularella lacerata (Johnston) 31.	I.T.	x				
Phialidium languidum (L. Agassiz) = Oceania languidum 35.						

BATHYMETRIC TABLES—Continued.

		BATHYMETRIC RANGE.							
		Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.					
				1-15	15-50	50-100	100 x		
COELENTERATA—Con.									
Hydromedusæ—Con.									
Physalia pelagica Lamarck.....	F.....								
Polycanna groenlandica (Peron & Lesueur).....	60.....					x			
Ptychogastria polaris Allman 16.....	5.....			x					
Ptychogena lactea A. Agassiz.....	50.....				x				
Sarsia princeps Haeckel 16.....	51.....					x			
Sertularella conica Allman 31.....	20.....				x				
Sertularia abietina (L.) = Abietinaria abietina 31, 35.....	200.....						x		
Sertularia filicula Ellis & Solander.....	10-60.....			x	x				
Sertularia fusiformis Hincks.....	I.T.-12.....	x		x					
Sertularia latiuscula Stimpson.....	30-D.W.....				x	x	x		
Sertularia polyzonias L. & var. gigantea Hincks = Sertularella polyzonias (Linn) 31, 35.....	40-60.....				x	x			
Sertularia producta Stimpson.....	5.....			x					
Sertularia pumila L. 31, 35.....	5-25.....			x	x				
Sertularia rugosa L.....	o-40.....			x	x	x			
Sertularia tricuspidata Alder = Sertularella tri- cuspidata Alder 31.....	30-60.....			x	x	x			
Staurophora laciniata (L. Agassiz) 16.....	o-110.....			x	x	x			
Syncoryne mirabilis (L. Agassiz) = Sarsia mira- bilis (L. Agassiz) 16, 35.....	45.....			x	x	x			
Thamnocnidia larynx (L.) = Tubularia larynx 31, 35.....	I.T.-100.....	x		x	x	x			
Thamnocnidia tenella Agassiz = Tubularia tenella 31.....	50.....				x				
Thecocalpus myriophyllum (L.).....	15.....			x					
Thuiaria argentea (Ellis & Solander) 31, 35.....	o-25.....			x	x				
Thuiaria articulata (Pallas).....	45.....				x				
Thuiaria cupressina (L.) 35.....	I.T.-100.....	x		x	x	x			
Thuiaria lonchitis Ellis & Solander 31.....	50.....				x				
Thuiaria thuja (L.) 35.....	15.....			x					
Tiara pileata Forskal 16.....	o-25.....			x	x				
Tiaropsis diademata (L. Agassiz) 35.....	45.....				x				
Trachyneme digitale (O. Fabricius).....	15.....			x					
Tubularia crocea (Agassiz) 31, 35.....	o-25.....			x	x				
Tubularia indivisa (L.).....	45.....				x				
Alcyonaria.									
Acanella normani Verrill.....	410.....						x		
Acanthogorgia armata Verrill.....	300.....						x		
Actinauge nexilis Verrill.....	200-300.....						x		
Actinauge verrillii McMurrich.....	30-300.....				x	x	x		
Actinernus nobilis Verrill.....	200-300.....						x		
Actinopsis whiteavesii Verrill.....	200.....						x		
Actinostola callosa Verrill.....	45-300.....				x	x	x		
Alcyonium carneum L. Agassiz 35.....	o-80.....			x	x	x			
Alcyonium multiflorum Verrill.....	131-239.....						x		
Alcyonium rubiforme (Ehrenberg).....	150-300.....						x		
Anthomastus grandiflorus Verrill.....	1250.....						x		
Anthoptilum grandiflorum Verrill.....	D.W.....						x		
Anthothela grandiflora (Sars).....	60-100.....					x	x		
Balticina finnarchica (Sars).....	50-100.....					x	x		
Bolocera tuediae (Johnston).....	200-300.....						x		
Ceratoisus ornata Verrill.....	28-200.....				x	x	x		
Cerianthus borealis Verrill.....	80-220.....					x	x		
Chondractinia nodosa (Fabricius).....	I.T.....	x							
Cornulariella modesta Verrill.....	300.....						x		
Cribrina stella (Verrill) 21.....	8-90.....			x	x	x			
Desmophyllum nobile Verrill.....	0-4.....			x					
Edwardsia farinacea Verrill.....	150-200.....						x		
Edwardsia sipunculoides Stimpson.....									
Epigonactis fecunda Verrill.....									

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BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal Zone.	BATHYMETRIC RANGE.			
			Fathoms.			
			1-15	15-50	50-100	100 x
<i>Alcyonaria</i> —Con.						
Epizoanthus incrustatus (Duben & Koren).....	30-300.....			x	x	x
Epizoanthus paguriphilus Verrill.....	D.W.....					x
Eunephya lutkeni (Marenzeller).....	52.....				x	
Flabellum angulare Moseley.....	1250.....					x
Flabellum goodei Verrill.....	180-400.....					x
Funiculina armata Verrill.....	300-400.....					x
Lophohelia oculifera Edwards & Haime.....	D.W.....					x
Metridium dianthus (Ellis) 35 = M. senile (Linn.) 21.	0-90.....		x	x	x	
Paragorgia arborea (L).....	D.W.....					x
Paramuricea borealis Verrill.....	D.W.....					x
Paramuricea grandis Verrill.....	D.W.....					x
Peachia parasitica Verrill.....						
Pennatula aculeata Danielssen.....	60-300.....				z	x
Pennatula (Ptilella) borealis (Sars).....	120-350.....					x
Primnoa reseda (Pallas).....	100-200.....					x
Sagartia acanella Verrill.....	D.W.....					x
Stomphia carneola (Stimpson) = Stomphia coccinea	8-35.....		x	x		
(O. F. Muller) Carlgren 21.....	10-12.....		x			
Synanthus mirabilis Verrill.....	150-330.....					x
Urticina crassicornis (Muller) = Urticina felina (L)						
Hadden 21.....	13-112.....		x	x	x	x
Virgularia lyungmani Kolliker.....	200.....					x
<i>Ctenophora</i> .						
Bolina alata Agassiz 36 = Berce cucumis Fabricius,						
16, 35.....	F.....					
Idyia roseola L. Agassiz.....	F.....			x		
Mertensia ovum (Fabricius) 16, 35.....	F-25.....		x			
Pleurobrachia rhododactyla L. Agassiz 16, 35.....	F-5.....					
ECHINODERMATA.						
<i>Crinoidea</i> .						
Antedon eschrichtii (Muller).....	25-100.....			x	x	
Antedon quadrata P. H. Carpenter.....	25-100.....			x	x	
Antedon tenella (Retzius).....						
<i>Holothurioidea</i> .						
Caudina arenata Stimpson 6, 35.....	0-17½.....		x	x		
Chirodota laevis (O. Fabricius).....	0-5.....		x			
Eupyrus scaber Lutken 6.....	2-262.....		x	x	x	x
Lophothuria fabricii (Duben & Koren).....	I.T.-5.....	x	x			
Myriotrochus rinkii Steenstrup.....	7-50.....		x	x		
Orcula barthii Troschel.....						
Pentacta calcigera Stimpson.....	8-25.....		x	x		
Pentacta frondosa (Jaeger).....	0-7.....		x			
Pentacta minuta (Fabricius).....	25-101.....			x	x	x
Psolus phantapus (L).....	0-40.....		x	x		
Thyone scabra Verrill.....						
Thyonidium pellucidum (Fleming).....						
Thyonidium productum (Ayres).....	0-D.W.....		x	x	x	x
Trochostoma ooliticum (Pourtales) = Molpadia						
oolitica Pourtales 6, 36.....	29.....			x		
Trochostoma turgidum (Verrill).....						
<i>Stelleroidea</i> .						
Asterias enopla Verrill.....	53-100.....				x	
Asterias forbesii (Desor) 35.....	2-19.....		x	x		
Asterias polaris (Muller & Troschel).....	0-60.....		x	x	x	
Asterias stellionura Perrier.....	82-100.....				x	
Asterias vulgaris (Stimpson) Verrill 35, 47.....	0-358.....		x	x	x	x
Cribrella pectinata Verrill.....	20.....			x		

BATHYMETRIC TABLES—Continued.

		BATHYMETRIC RANGE.							
		Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.					
				1-15	15-50	50-100	100 x		
<i>Stelleroidea</i> —Con.									
Cribrella sanguinolenta (Muller) = Henricia sanguinolenta 35, 47.....	0-471.....			x	x	x	x		
Crossaster papposus (O. Fabricius).....	0-179.....			x	x	x	x		
Ctenodiscus crispatus (Retzius).....	5-632.....			x	x	x	x		
Hippasteria phrygiana (Parelius).....	20-224.....				x	x	x		
Leptasterias groenlandica (Lutken).....	5-100.....			x	x	x			
Leptasterias littoralis (Stimpson).....	I.T.-23.....		x	x	x				
Leptasterias tenera (Stimpson).....	10-40.....			x	x				
Leptoptychaster arcticus (M. Sars).....	100.....					x			
Lophaster furcifer (Duben & Koren.).....	234-640.....						x		
Odinia americana Verrill.....	175-400.....						x		
Pedicellaster typicus M. Sars.....	75-80.....					x			
Pontaster hebitus Sladen.....	85-250.....					x	x		
Pseudarchaster intermedius var. insignis Verrill.....	100-1356.....						x		
Psilaster florae Verrill.....	60-230.....					x	x		
Pteraster militaris (Muller).....	10-69.....			x		x			
Pteraster pulvillus M. Sars.....	20.....				x				
Solaster earlii Verrill.....	170-300.....						x		
Solaster endeca (Retzius).....	0-80.....			x	x	x			
Solaster syrtensis Verrill.....	101.....						x		
Stichaster albulus (Stimpson).....	0-100.....			x	x	x			
Tosia eximia Verrill.....	80-122.....					x	x		
Tosia granularis (Retzius).....	40.....				x				
Tremaster mirabilis Verrill.....	150-250.....						x		
<i>Ophiuroidea</i> .									
Amphipholis elegans (Leach).....	0-210.....			x	x	x	x		
Amphiura canadensis Verrill.....									
Amphiura exigua Verrill.....									
Amphiura sundevalli (Muller & Troschel).....	10-15.....			x					
Astronyx loveni Muller & Troschel.....	85.....					x			
Gorgonocephalus agassizii (Stimpson) 35.....	0-100.....			x	x	x			
Gorgonocephalus eucnemis (Muller & Troschel).....	18-80.....				x	x			
Gorgonocephalus lamarekii (Muller & Troschel).....	194-239.....						x		
Ophiacantha anomala G. O. Sars.....	101-131.....						x		
Ophiacantha bidentata (Retzius).....	0-250.....			x	x	x	x		
Ophiacantha granulifera Verrill.....	101-200.....						x		
Ophiacantha spectabilis G. O. Sars.....	131.....						x		
Ophiacantha varispina Verrill.....	101-200.....						x		
Ophiactis asperula (Phillipi) 37.....									
Ophioglypha lymani Ljungman 37.....									
Ophioglypha nodosa (Lutken).....	0-330.....			x	x	x	x		
Ophioglypha robusta (Ayres).....	0-220.....			x	x	x	x		
Ophioglypha sarsii (Lutken) 37.....	10-250.....			x	x	x	x		
Ophioglypha signata Verrill.....									
Ophioglypha stuwitzi (Lutken).....									
Ophioblebes acanella Verrill.....	113-122.....						x		
Ophiopholis aculeata (L.).....	0-100.....			x	x	x			
Ophioscolex glacialis Muller & Troschel.....	210.....						x		
<i>Echinoidea</i> .									
Echinarachnius parma (Lamarek).....	1-100.....			x	x	x			
Schizaster fragilis (Duben & Koren).....	95-300.....					x	x		
Strongylocentrotus drobachiensis Muller 35, 47.....	0-110.....			x	x	x	x		
PLATYHELMINTHES.									
<i>Turbellaria</i> (Planarians.)									
Fovia affinis (Oersted).....									
Leptoplana ellipsoides Girard.....	0-45.....			x	x				
Procerodes ulvae (Oersted) 35.....	I.T.....		x						
Typhlocolax acutus (Girard).....	0-5.....			x					

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BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal Zone.	BATHYMETRIC RANGE.			
			Fathoms.			
			1-15	15-50	50-100	100 x
NEMERTEA.						
<i>Enopla.</i>						
Amphiporus agilis Verrill.....	10-90.....		x	x	x	
Amphiporus angulatus (Fabricius).....	0-150.....		x	x	x	x
Amphiporus heterosorus Verrill.....	10-200.....		x	x	x	x
Amphiporus lactifloreus (Johnston).....	0.....		x			
Amphiporus roseus (Muller).....	0-112.....		x	x	x	x
Amphiporus (?) superbus (Girard).....	35.....			x		
Drepanophorus lankesteri Hubrecht.....	85.....				x	
Tetrastemma candidum (Fabricius?) M'Intosh.....	I.T.-15.....	x	x			
Tetrastemma serpentinum (Girard) Stimpson.....	I.T.....	x				
Tetrastemma vittatum Verrill.....	0-25.....		x	x		
<i>Anopla.</i>						
Cephalothrix linearis (Rathke).....	I.T.....	x				
Cerebratulus cylindricus Packard.....						
Cerebratulus fuscus (Fabricius).....	I.T.-20.....	x	x	x		
Cerebratulus luridus Verrill.....						
Cerebratulus medullatus Hubrecht.....	85.....				x	
Cerebratulus melanops Coe & Kunkel 1.....						
Lineus sanguineus (Rathke).....	I.T.....	x				
Lineus socialis (Leidy).....	I.T.....	x				
Lineus truncatus (Hubrecht)?.....	75-80.....				x	
Lineus viridis (Fabricius).....	I.T.....	x				
Micrura affinis (Girard).....	0-100.....		x	x	x	
Micrura rubra Verrill.....	40.....			x		
CHAETOPODA.						
<i>Polychaeta.</i>						
Ammotrypane aulogaster Rathke 12.....	100-125.....					x
Ammotrypane cylindricaudatus Hansen 12.....						
Ammotrypane fimbriata Verrill, 35.....	5-90.....		x	x	x	
Ampharete gracilis Malmgren.....	10-90.....		x	x	x	
Ampharete grubei Malmgren.....	4.....		x			
Amphitrite cirrhata (Muller) Packard 35, 38, 44.....	8-16.....		x	x		
Amphitrite groenlandica 38, 44.....						
Amphitrite intermedia Malmgren 17.....	76.....				x	
Antinoe sarsii Kinberg 12.....	60.....				x	
Aphrodita aculeata L. 35.....	10-106.....		x	x	x	x
Arenicola piscatorum Lamarck = Arenicola ma- rina (Linnaeus) 20, 35.....	I.T-20.....	x	x	x		
Artacama canadensis McIntosh 38.....	30.....			x		
Artacama proboscoidea Malmgren 44.....	30-50.....			x		
Axiiothea catenata Malmgren = Axiiothea catenata 33.....						
Brada granosa Stimpson.....	4-6.....		x			
Brada granulata Malmgren 17.....	60-80.....				x	
Brada sublaevis Stimpson.....						
Brada villosa Rathke 13.....						
Chaetozone setosa Malmgren 17.....	80.....				x	
Chaetozone setosa canadensis McIntosh 17.....						
Chaetozone whiteavesi McIntosh 17.....						
Chaetozone ? 17.....						
Chone dumeri Malmgren 44.....						
Chone cf. fauveli McIntosh 44.....	5-20.....		x	x		
Chone infundibuliformis Kroyer 17.....	110-170.....					x
Chone princei McIntosh 44.....						
Chone sp. 17.....	20.....			x		
Cirratulus cirrhatus (Fabricius) 17.....	17-40.....		x	x		
Cistenides granulata (L).....	0-50.....		x	x		
Cistenides hyperborea Malmgren 38 = Pectinaria hyperborea 17.....	50-220.....				x	x

BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal Zone.	BATHYMETRIC RANGE.			
			Fathoms.			
			1-15	15-50	50-100	100 x
CHAETOPODA—Con.						
<i>Polychaeta</i> —Con.						
<i>Clymenella torquata</i> (Leidy).....	0-60.....		x	x	x	
<i>Drilonereis canadensis</i> McIntosh 2.....						
<i>Enonella bicarinata</i> Stimpson.....	0.....		x			
<i>Ephesia gracilis</i> Rathke.....	125.....					x
<i>Ephesia</i> sp. 13.....						
<i>Erentho smitti</i> Malmgren 44.....	170.....					x
<i>Eteone cylindrica</i> OErsted.....	5.....		x			
<i>Euchone lawrencii</i> McIntosh 44.....						
<i>Euchone rubrocincta</i> 17.....						
<i>Euchone tuberculosa</i> (Kroyer) Malmgren 17.....	80.....				x	
<i>Eumenia crassa</i> OErsted.....	110-220.....					x
<i>Eunice oerstedii</i> Stimpson.....	20-85.....			x	x	
<i>Eunice</i> ? 2.....	200.....					x
<i>Eunoea nodosa</i> (Sars).....	45-60.....			x	x	
<i>Eunoea oerstedii</i> Malmgren 17, 35.....	17-76.....		x	x	x	
<i>Eunoea spinulosa</i> Verrill.....						
<i>Euphrosyne borealis</i> OErsted.....	85.....				x	
<i>Eupolynoe anticostiensis</i> McIntosh 17.....	7-75.....		x	x	x	
<i>Eupolynoe occidentalis</i> McIntosh.....	100.....				x	
<i>Eusyllis tubifex</i> Gosse.....	51.....				x	
<i>Filograna filograna</i> Berkeley 17.....	40.....			x		
<i>Flabelligera affinis</i> Sars 17.....	7-85.....		x	x	x	
<i>Glycera dibranchiata</i> Ehlers 3.....	100-120.....					x
<i>Glycera siphonostoma</i> Delle Chiaje 3.....						
<i>Goniada maculata</i> OErsted 3.....						
<i>Goniada norvegica</i> Oersted 3.....	150.....					x
<i>Grymaea spiralis</i> Verrill.....	60.....				x	
<i>Harmothoe imbricata</i> (L) 17, 35, 47.....	0-110.....		x	x	x	x
<i>Isocirrus</i> ? sp. 33.....	125.....					x
<i>Laenilla glabra</i> Malmgren 17.....	7.....		x			
<i>Laetmonice armata</i> Verrill.....	50-150.....				x	x
<i>Laetmonice filicornis</i> Kinberg 17.....	75.....				x	
<i>Laetmonice producta</i> var. <i>assimilis</i> McIntosh.....	85.....				x	
<i>Lagisca rarispina</i> (Sars).....						
<i>Lagisca rarispina</i> var. <i>occidentalis</i> M'Intosh.....						
<i>Lanassa nordenskioldi</i> Malmgren 38, 44.....						
<i>Leaena abbranchiata</i> Malmgren 17.....	7.....		x			
<i>Leanira tetragona</i> OErsted.....	110-220.....					x
<i>Leanira yhleni</i> ? Malmgren.....	210.....					x
<i>Leodice vivida</i> (Stimpson).....						
<i>Lepidonotus squamatus</i> (L) 17, 35, 47.....	I.T.-80.....	x	x	x	x	
<i>Lumbricoclymene</i> sp. 17.....	45.....			x		
<i>Lumbriconereis</i> cf. <i>assimilis</i> McIntosh 2.....	200.....					x
<i>Lumbriconereis fragilis</i> (Muller) 2, 17, 35.....	0-430.....	x	x	x	x	x
<i>Lumbrinereis hebes</i> Verrill 17.....	5-80.....		x	x	x	
<i>Maldane sarsii</i> Malmgren 17, 33.....	20-30.....			x		
<i>Malmgrenia whiteavesii</i> M'Intosh.....	110-220.....					x
<i>Melinna cristata</i> (Sars) 35.....	10-90.....		x	x	x	
<i>Myriochele heeri</i> McIntosh 34.....						
<i>Myxicola steenstrupi</i> Kroyer 17.....	40.....			x		
<i>Naidonereis quadricuspida</i> Blainville (<i>vide</i> , Verrill).....						
<i>Nemidia</i> (?) <i>canadensis</i> M'Intosh.....						
<i>Nemidia</i> (?) <i>lawrencii</i> M'Intosh.....						
<i>Nephtys caeca</i> (Fabricius) 17, 47.....	3-80.....		x	x	x	
<i>Nephtys canadensis</i> M'Intosh.....	56-80.....				x	
<i>Nephtys ciliata</i> (Muller) 35.....	25-40.....			x		
<i>Nephtys incisa</i> Malmgren 17, 35.....	2-430.....		x	x	x	x
<i>Nephtys lawrencii</i> M'Intosh.....						
<i>Nephtys longisetosa</i> OErsted = <i>Autolytus longisetosa</i> 12.....	7.....		x			
<i>Nephtys picta</i> Ehlers.....	30-80.....			x	x	
<i>Nereis abyssicola</i> Stimpson.....	40.....			x		
<i>Nereis denticulata</i> Stimpson.....	0.....		x			

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BATHYMETRIC TABLES—Continued.

		BATHYMETRIC RANGE.							
		Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.					
				1-15	15-50	50-100	100 x		
CHAETOPODA—Ccn.									
Polychaeta—Con.									
Nereis iris Stimpson.....	20				x				
Nereis (Lycoris) pelagica L. 17, 35.....	0-106...			x	x	x	x		
Nereis virens Sars 35.....	0-10.....			x					
Nevaya whiteavesi McIntosh 24.....									
Nicolea zostericola (OErsted) Malmgren 17.....	7			x					
Nicomache canadensis McIntosh 33.....	175						x		
Nicomache lumbricalis (Fabricius).....	8-D.W.			x	x	x	x		
Ninoe kinbergi Ehlers 2.....									
Nothria conchylega (Sars) 12 = Onuphis conchy- lega Sars 2, 35.....	7-125.....			x	x	x	x		
Nychia amondseni Malmgren = Gattyana amond- seni (Malmgren) McIntosh (17).....	50-75.....					x			
Nychia cirrhosa (Pallas) = Gattyana cirrhosa (Pallas) McIntosh 12.....	7-80.....			x	x	x			
Onuphis cf. holobranchia Marenzeller 2.....	75-212.....					x	x		
Onuphis sicula De Quatrefages.....	75-150.....					x	x		
Onuphis quadricuspis Sars 2.....									
Ophelia glabra Stimpson.....	D.W.						x		
Ophelia limacina Rathke.....	5.....			x					
Ophelia radiata Della Chiaje 12.....	10-12.....			x					
Owenia (or Ammocharis) filiformis Della Chiaje.....	110-220.....						x		
Pholoe minuta (Fabricius).....	8.....			x					
Pholoe tecta Stimpson.....	4.....			x					
Phyllodoce catenula Verrill.....									
Phyllodoce groenlandica OErsted.....	5-25.....			x	x				
Phyllodoce mucosa OErsted 17.....	30-60.....				x	x			
Phyllodoce sp. 17.....	80.....					x			
Pista cristata (O.F. Møller) 38, 44.....	75-210.....					x	x		
Polycirrus sp. 38.....									
Polydora concharum Verrill.....	10-100.....			x	x	x			
Polynoe gaspensis M'Intosh.....	100-212.....						x		
Potamilla neglecta Malmgren 17.....	45-75.....				x	x			
Potamilla oculifera (Leidy).....	0-60.....			x	x	x			
Potamilla reniformis (O.F. Møller) 44.....									
Potamilla torelli Malmgren 34.....	85.....					x			
Praxilla gracilis Sars = Praxillella gracilis Sars 17, 33.....	7-112.....			x	x	x	x		
Praxilla mulleri (Sars).....	15-40.....				x				
Praxillella collaris (Claparede) 33.....									
Praxillella praetermissa (Malmgren) Verrill 33.....	7.....			x					
Praxillella sp. 17.....	50.....				x				
Prionospio steenstrupi Malmgren.....	45-220.....				x	x	x		
Protula americana M'Intosh.....	85.....					x			
Protula media Stimpson.....	35-50.....				x				
Rhynchobolus capitatus (OErsted) = Glycera capitata 3, 35.....	0-17.....			x	x				
Sabella crassicornis Sars 17.....	75.....					x			
Sabella pavonina Savigny.....	125.....						x		
Sabella penicillus (L.) 44.....	220.....						x		
Sabella zonalis Stimpson.....	4.....			x					
Sabellides borealis Sars 17, 31, 38.....	60.....					x			
Samthya sexcirrata Sars 17.....	30.....				x				
Scalibregma inflatum Rathke.....	D.W.....						x		
Scolecoplepis cirrata (Sars) var.....									
Scolopos armiger (O. F. Møller) 3, 17.....	45-80.....				x	x			
Scoloplos canadensis M'Intosh.....									
Siphonostomum asperum Stimpson.....	10-25.....			x	x				
Spinther citrinus (Stimpson).....	35.....				x				
Spiochaetopterus typicus Sars 13, 38.....	30-40.....				x				
Spirorbis borealis Daudin (?) = Spirorbis spirillum ??? 17.....	S.W.....			x					
Spirorbis cancellatus (Fabricius) 17.....	7.....			x					
Spirorbis carinatus Montagu.....	D.W.....								

BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal Zone.	BATHYMETRIC RANGE.				
			Fathoms.				
			1-15	15-50	50-100	100 x	
CHAETOPODA—Con.							
Polychaeta—Con.							
Spirorbis granulatus (Muller).....	10-50		x	x			
Spirorbis lucidus (Montagu).....	4-80		x	x	x		
Spirorbis quadrangularis Stimpson 35.....	10-17		x	x			
Spirorbis spirillum Linnaeus 17, 35.....	I.T.-60	x	x	x	x		
Spirorbis stimpsoni Verrill.....	10-80		x	x	x		
Spirorbis validus Verrill 17.....	7-60		x	x	x		
Spirorbis vitreus (Fabricius).....	20-30			x			
Sthenelais limicola Ehlers.....							
Tecturella flaccida Stimpson.....	3-15		x				
Terebella brunnea Stimpson.....	I.T.	x					
Terebella figulus Dalyell 38.....							
Terebellides stroemii M. Sars 17, 38, 43.....	7-220		x	x	x	x	
Thelepus cinnatus (Fabricius) 17, 35, 38.....	7-200		x	x	x	x	
Thelepus cinnatus var. canadensis M'Intosh.....	51				x		
Trichobranchus glacialis Malmgren 38.....							
Trophonia aspera Stimpson 17.....	7-80		x	x	x		
Trophonia plumosa (Muller) = Stylarioides plu- mosa, Muller, 13.....	8-125		x	x	x	x	
Vermilia serrula Stimpson.....	50			x			
GEPHYREA.							
Chaetifera.							
Sternaspis fessor Stimpson 17, 35, 47.....	2-90		x	x	x		
Achaeta.							
Phascolion alberti Sluiter 32.....	700-900					x	
Phascolion strombi Montagu 32, 35, 47.....	2-1061		x	x	x	x	
Phascolion strombi canadensis Gerould 32.....	33-206			x	x	x	
Phascolion strombi fusca Gerould 32.....	100-1000					x	
Phascolion tubicola Verrill.....	85				x		
Phascolosoma boreale Keferstein = P. margarita- ceum (Sars) 32.....	30-75			x	x		
Phascolosoma caementarium (DeQuatrefages).....	2-90		x	x	x		
Phascolosoma hamulatum Packard.....	8		x				
Priapulus caudatus ? Lamarck.....							
Priapulus pygmaeus Verrill.....	4-5		x				
BRACHIOPODA.							
Articulata.							
Hemithyris psittacea (Gmelin) 19.....	1-60		x	x	x		
Terebratalia spitzbergensis (Davidson).....	20-120			x	x	x	
Terebratalia labradorensis (Sowerby).....	1340					x	
Terebratulina septentrionalis (Couthouy).....	12-220		x	x	x	x	
POLYZOA.							
Cheilostomata.							
Bania admiranda Packard.....	50			x			
Becellaria ciliata (L.) 28, 35.....	7-96		x	x	x		
Biowerbankia gracilis caudatus (Hincks) 28, 35.....	40			x			
Bugula cucullifera Osburn 28, 35.....	25			x			
Bugula murrayana (Johnston) 28, 35.....	7-110		x	x	x	x	
Caberea ellisii (Fleming) 9, 28, 35.....	6-100		x	x	x		
Cellepora avicularis Hincks.....	45			x			
Cellepora canaliculata Busk 28, 35.....	40-51			x	x		
Cellepora contigua Smitt 28.....	45			x			
Cellepora pumicosa (L.).....				x			

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BATHYMETRIC TABLES—Continued.

		BATHYMETRIC RANGE.							
		Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.					
				1-15	15-50	50-100	100 x		
POLYZOA=Con.									
Cheilostomata—Con.									
Cellularia peachii Busk 35.	4-50			x	x				
Corynoporella tenuis Hincks									
Cribrilina annulata (Fabricius) 9, 28, 35.	15-D.W.				x	x	x		
Cribrilina punctata (Hassall) 9, 35, 47.	1-50.			x	x				
Electra catenularia (Jameson)									
Electra pilosa (L) = Membranipora pilosa 9.	0-1			x					
Escharoides sarsii Smitt 28.	10-60			x	x	x			
Flustra abyssicola G. O. Sars.	220						x		
Flustra borealis (Packard)	50				x				
Flustra carbasea Ellis & Solander 28.	7-30			x	x				
Flustra membranaceo-truncata Smitt.	56					x			
Flustra securifrons (Pallas) 28.	30				x				
Flustra serrulata Busk 28.	7-110			x	x	x	x		
Flustra solida Stimpson.	25-120				x	x	x		
Gemellaria loricata (L) 9, 28, 35.	0-110			x	x	x	x		
Gemellaria loricata var. americana (Lamouroux)	10			x					
Hippothoa divaricata Lamouroux 35.	18				x				
Hippothoa expansa Dawson.									
Kinetoskias arborescens Danielssen 28.	75-212					x	x		
Kinetoskias smittii Danielssen.	194						x		
Lagenipora spinulosa Hincks									
Lepralia hippopus Smitt 28.	25				x				
Lepralia (Discopora) megastoma Smitt.									
Lepralia pertusa (Esper)	3-36			x	x				
Lepralia spathulifera Smitt 9, 28.	30				x				
Membranipora craticula Alder 28, 35.	7-38			x	x				
Membranipora cymbiliformis Hincks.	13-20			x	x				
Membranipora dumerilii Audouin.									
Membranipora flemingii Busk 28.	1-20			x	x				
Membranipora lacroixii (Audouin)	30				x				
Membranipora lineata L. 9	10-50			x	x				
Membranipora monostachys Busk 47	1-6			x					
Membranipora sophiae Busk									
Membranipora sophiae var. armifera (Hincks)	56					x			
Membranipora spinifera Hincks 28.	25-45				x				
Membranipora trifolium (Searles Wood) 28.	25				x				
Membranipora unicornis Fleming 28, 35.	8-25			x	x				
Membraniporella crassicauda Hincks 28.	10-50			x	x				
Menipea ternata (Ellis & Solander) 9, 28, 35.	6-110			x	x	x	x		
Microporella ciliata (Pallas) 28, 35.	8-25			x	x				
Monoporella spinulifera Hincks = Mucronella spinulifera 28.	25				x				
Mucronella abyssicola (Norman)									
Mucronella pavonella (Alder)									
Mucronella peachii (Johnston) 35, 47.	1-6			x					
Mucronella praelucida Hincks 28.	25-60				x	x			
Mucronella ventricosa (Hassall) 28, 35.	14-25			x	x				
Myrionozoum coarctatum (Sars) 28.	25-60				x	x			
Myrionozoum planum (Dawson) = Schizoporella plana Dawson 28.	25				x				
Myrionozoum subgracile D'Orbigny.	10-50			x	x				
Porella acutirostris Smitt 35.									
Porella bella (Busk)									
Porella concinna (Busk) 9, 28, 35.	10-60			x	x	x			
Porella elegantula (D'Orbigny)									
Porella elegantula var papposa Packard.	45				x				
Porella laevis (Fleming)	56					x			
Porella minuta (Norman)									
Porella perpusilla Busk 28.	80					x			
Porella proboscidea Hincks 28.	20-38				x				
Porella propinqua Smitt.									
Porella saccata Busk 28.	25-110				x	x	x		
Porella skenei (Ellis & Solander) 28.	40-75				x	x			

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.						
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.				
			1-15	15-50	50-100	100 x	
POLYZOA—Con.							
Cheilostomata—Con.							
Porella skenei var. plana Hincks.....	96.					x	
Porella struma (Norman) 28.....	40-75.			x		x	
Porella surcularis (Packard) = Cellepora surcu- laris 28.....	10-110 S.W.....		x	x	x	x	
Porina tubulosa Norman 35.....			x				
Ramphonotus minax (Busk).....							
Retepora elongata Smitt.....	56-96.				x		
Rhaphostomella bilaminata Hincks.....	38.			x			
Rhaphostomella costata Lorenz 28.....	25-80.			x	x		
Rhaphostomella ovata (Smitt) 28.....	25-45.			x			
Rhaphostomella plicata Smitt.....							
Rhaphostomella radiatula (Hincks) 28.....	45.			x			
Rhaphostomella scabra (Fabricius).....							
Rhaphostomella scabra var. labiata (Stimpson).....							
Schizoporella auriculata (Hassall) 28, 35.....	8-50.		x	x			
Schizoporella biaperta (Michelin) 35, 47.....	1-56.		x	x	x		
Schizoporella cincta Hincks (var.).....							
Schizoporella cruenta (Norman).....	56.				x		
Schizoporella hyalina (L) 9 = Hippothoa hyalina, 28.....	30-313.			x	x	x	
Schizoporella linearis (Hassall).....							
Schizoporella sinuosa (Busk) 9, 35.....							
Scruparia clavata Hincks 9.....							
Scrupocellaria americana Packard.....	6-30.		x	x			
Scrupocellaria scabra (Van Beneden) 35.....							
Scrupocellaria scruposa (L).....							
Smittia arctica Norman 35 = S. porifera 28.....	17-45.			x			
Smittia candida (Stimpson).....	35.			x			
Smittia globifera (Packard).....	30-45.			x			
Smittia landsborovii (Johnston).....							
Smittia producta (Packard).....							
Smittia reticulatopunctata Hincks 28.....	45.			x			
Smittia trispinosa (Johnston) 28, 35.....	25-45.			x			
Umbonula verrucosa (Esper).....							
Cyclostomata.							
Crisia denticulata (Lamarck) 28.....	10-45.		x	x			
Crisia eburnea (L) 9, 28, 35.....	0-200.		x	x	x	x	
Crisia eburnea var. cribaria Stimpson = C. cri- baria 28, 35.....	18-45.			x			
Diastopora obelia Johnston.....	30-96.			x	x		
Diastopora patina (Lamarck).....	7.		x				
Discofascigera lucernaria (Sars).....	50-96.				x		
Fascioporina flexuosa (Orbigny).....							
Hornera lichenoides (L).....	220.					x	
Idmonea atlantica (Forbes) Johnston 9 = Tubuli- pora atlantica 28, 35.....	40-45.			x			
Idmonea serpens (L) 9.....	30.			x			
Lichenopora clypeiformis (Orbigny).....							
Lichenopora hispida (Fleming).....	30-96.			x	x		
Lichenopora regularis (Orbigny) 28.....	25.			x			
Lichenopora verrucaria (Fabricius) 28, 35.....	7-60.		x	x	x		
Stomatopora diastoporoides (Norman) 35.....							
Stomatopora granulata (Milne Edwards).....	50.			x			
Stomatopora penicillata (Fabricius).....							
Tubulipora expansa (Packard).....							
Tubulipora fimbria Lamarck.....	50.			x			
Tubulipora flabellaris (Fabricius) 9, 28, 35.....	30.			x			
Tubulipora lobulata Hassall.....							

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BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal. Zone.	BATHYMETRIC RANGE.			
			Fathoms.			
			1-15	15-50	50-100	100 x
<i>Ctenosomata.</i>						
<i>Alcyonidium gelatinosum</i> (L).....	96.....				x	
<i>Alcyonidium mytili</i> Dalyell 35, 47.....	1-16.....		x	x		
<i>Barentsia gracilis</i> M. Sars.....						
<i>Barentsia major</i> Hincks 35.....	3-13.....		x			
<i>Flustrella hispida</i> (Fabricius).....						
<i>Pedicellina nutans</i> Dalyell 9.....						
<i>MOLLUSCA. a</i>						
<i>Pelecypoda.</i>						
<i>Anomia aculeata</i> Muller 42.....	3-100.....		x	x	x	
<i>Anomia simplex</i> d'Orbigny 35, 46.....	2-8.....		x			
<i>Arca</i> (<i>Batharca</i>) <i>glacialis</i> Gray.....						
<i>Arca</i> (<i>Batharca</i>) <i>pectunculoides</i> Scacchi.....	70-430.....				x	x
<i>Astarte banksii</i> (Leach).....	10-60.....		x	x	x	
<i>Astarte banksii</i> var. <i>globosa</i> Moller.....	70-80.....				x	
<i>Astarte banksii</i> var. <i>striata</i> Leach.....						
<i>Astarte castanea</i> Say 35, 42.....	5-20.....		x	x		
<i>Astarte compressa</i> (L).....	10-50.....		x	x		
<i>Astarte crebricostata</i> Forbes.....	112-313.....					x
<i>Astarte crenata</i> Gray 46.....	15-120.....			x	x	x
<i>Astarte lactea</i> Broderip & Sowerby.....						
<i>Astarte quadrans</i> Gould 5.....	6-40.....		x	x		
<i>Astarte subaequilatera</i> Sowerby 42.....	50.....			x		
<i>Astarte undata</i> Gould 35, 42, 46.....	5-100.....		x	x	x	
<i>Astarte undata</i> var. <i>lutea</i> Perkins.....	5-100.....		x	x	x	
<i>Axinopsis orbiculata</i> var. <i>inaequalis</i> Verrill & Bush.....						
<i>Cardium</i> (<i>Cerastoderma</i>) <i>ciliatum</i> Fabricius 19, 35, 42.....	10-60.....					
<i>Cardium</i> (<i>Laevicardium</i>) <i>mortoni</i> Conrad 35.....	2-5.....					
<i>Cardium</i> (<i>Cerastoderma</i>) <i>pinnulatum</i> Conrad 35, 42, 46.....	2-80.....		x	x	x	
<i>Clidiophora gouldiana</i> Dall 46 = <i>Paadora gouldiana</i> 35, 42.....	0-30.....		x	x		
<i>Cochlodesma leanum</i> (Conrad) 35.....	2-19.....					
<i>Crenella decussata</i> (Montagu).....	20-60.....			x	x	
<i>Crenella faba</i> (Moller).....	1-15.....		x			
<i>Crenella glandula</i> (Totten) 35, 42.....	0-60.....		x	x	x	
<i>Crenella pectinula</i> (Gould).....						
<i>Cryptodon</i> (<i>Axinulus</i>) <i>ferruginosus</i> (Forbes).....	200-313.....					x
<i>Cryptodon gouldii</i> Phillipi.....	10-313.....		x	x	x	x
<i>Cryptodon</i> (<i>Axinulus</i>) <i>inaequalis</i> Verrill & Bush.....	14-49.....		x	x		
<i>Cryptodon obesus</i> Verrill = <i>Thyasira obesa</i> 46.....						
<i>Cryptodon planus</i> Verrill & Bush.....	8-100.....		x	x	x	
<i>Cumingia tellinoides</i> (Conrad).....						
<i>Cuspidaria arctica</i> (M. Sars).....	190 ?.....					x ?
<i>Cuspidaria glacialis</i> G. O. Sars.....	50-313.....				x	x
<i>Cuspidaria pellucida</i> (Stimpson).....	40.....			x		
<i>Cyprina islandica</i> (L) 42.....	6-90.....		x	x	x	
<i>Cyrtodaria siliqua</i> (Daudin).....	15-50.....			x		
<i>Cytherea convexa</i> Say 42, 46 = <i>Callocardia morrhuana</i> 35.....	I.T.-15.....	x	x			
<i>Dacrydium vitreum</i> (Moller).....	100-313.....					x
<i>Ensis directus</i> (Conrad) = <i>E. americanum</i> Gould 35, 46.....	0-40.....		x	x		

a. NOTE.—Students of the geographic distribution of the Mollusca will find it instructive to compare with this list the following two papers by Dr. Wm. H. Dall:

"Checklist of the Recent Mollusks of the Northwest coast of America from the Polar sea to San Diego, California," pp. 1-44, 1916. S. West Museum, Los Angeles, Calif.

"Report on the Mollusca of the Arctic coast of America collected by the Canadian Arctic Expedition west from Bathurst Inlet." Scientific Results of the Expedition,—in the press.

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
MOLLUSCA—Con.						
<i>Pelecypoda</i> —Con.						
Epitonium groenlandicus Perry						
Kellia suborbicularis (Montagu)						
Kennerlia glacialis (Leach)	15-50			x		
Leda minuta (Muller)	15-50			x		
Leda pernula (Muller) 19	50-59				x	
Leda pernula var. jacksonii Gould	10-20		x	x		
Leda tenuisulcata (Couthouy) 35	6-110		x	x	x	x
Limatula subauriculata (Montagu)	38-313			x	x	x
Liocyma fluctuosa (Gould)	10-50		x	x		
Lyonsia arenosa (Moller)	15-60			x	x	
Lyonsia hyalina Conrad 35, 42, 46	0-30		x	x		
Macoma balthica (L) 42 = M. balthica fusca 35, 46	I.T.-6	x	x			
Macoma calcarea (Gmelin) 19, 46	3-80		x	x	x	
Macoma inflata Verrill & Bush	38-125			x	x	x
Megayoldia thraciaeformis (Storer) 42 = Yoldia thraciaeformis 35	10-200		x	x	x	x
Mesodesma deauratum (Turton)						
Modiola (Brachydontes) demissa (Dillwyn) 35, 46	I.T.-7	x	x			
Modiola modiolus (L) 19, 35, 46	I.T.-25	x	x	x		
Modiolaria corrugata (Stimpson) 35, 42	0-100		x	x	x	
Modiolaria discors (L) 19, 42 46 = M. laevigata 35	0-100		x	x	x	
Modiolaria nigra (Gray) 19, 35, 46	I.T.-40	x	x	x		
Mulinia lateralis (Say) 35	4-10		x			
Mya arenaria L. 19, 35, 42, 46	I.T.-40	x	x	x		
Mya truncata L 19	I.T.-45	x	x	x		
Mytilus edulis L. 19, 35, 42, 46	I.T.-19	x	x	x		
Nucula delphinodonta Mighels 35, 42	5½-100		x	x	x	
Nucula expansa Reeve	30			x		
Nucula proxima Say 35, 46	1-17		x	x		
Nucula proxima var. trunculus Dall	4-80		x	x	x	
Nucula tenuis (Montagu) 19	4-100		x	x	x	
Ostrea virginica Gmelin 35	<3 a		x			
Panopaea (Panomya) norvegica Spengler	40-50			x		
Pecten gibbus var. borealis Say 35	2-15		x			
Pecten (Camptonectes) groenlandicus Sowerby	200-313					x
Pecten (Chlamys) islandicus Muller 19, 35	1-100		x	x	x	x
Pecten (Placopecten) magellanicus (Gmelin) 19, 35, 42, 46	4-20		x	x		
Pecten (Cyclopecten) pustulosus Verrill	115-430					x
Pecten (Camptonectes) vitreus (Chemnitz)	57-400				x	x
Periploma fragilis (Totten) 46	3-100		x	x	x	
Petricola pholadiformis Lamarck 46	I.T.-6	x	x			
Portlandia glacialis (Wood)	15-25			x		
Rochefortia molleri (Morch)	18			x		
Saxicava rugosa (L) 42, 46 = S. arctica 19	0-50		x	x		
Serripes groenlandicus (Gmelin) 19	10-60		x	x	x	
Siliqua costata (Say) 35	17 ?			x ?		
Siliqua squama (Blainville)						
Solenomya borealis Totten = Solemya borealis 35						
Solenomya velum Say = Solemya velum 35	2-5		x			
Spisula (Hemimactra) polynyma (Stimpson)	0-10		x			
Spisula (Hemimactra) solidissima (Dillwyn) 35, 46	0-19	x	x	x		
Tellina (Angulus) tenera Say 35	0-19		x	x		
Teredo dilatata Stimpson						
Teredo navalis L. 35	13-15	x	x			
Thracia conradi Couthouy 35	6-19		x	x		
Thracia myopsis (Beck) Moller	10-50		x	x		
Thracia truncata Mighels & Adams 42	10-60		x	x	x	
Totentia gemma (Totten) = Gemma gemma 35	I.T.-14	x	x			
Turtonia minuta (Fabricius)	0		x			
Venericardia borealis (Conrad) 19, 35, 42, 46	3-50	x	x			
Venus mercenaria L. 25	0-6		x			

a In Long Island Sound, the Oyster flourishes in 70 to 80 feet of water. J. L. Kellog, La. Gulf Biological Station Bull. No. 3. p. 11, 1905.

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BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.						
	Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.				
			1-15	15-50	50-100	100 x	
MOLLUSCA—Con.							
<i>Pelecypoda</i> —Con.							
Xylophaga dorsalis Turton.....							
Yoldia limatula (Say) 35, 46.....	2-30.....		x	x			
Yoldia myalis (Couthouy) 19.....	20.....			x			
Yoldia sapotilla (Gould) 35, 42.....	4-100.....		x	x	x	x	
Yoldiella frigida (Torell).....	100-313.....						
Yoldiella lucida (Loven).....	40-313.....			x	x	x	
Zirfaea crispata L. 35.....	0-70.....		x	x	x		
<i>Scaphopoda</i> .							
Dentalium agile M. Sars.....							
Dentalium entalis L. 42.....	20-60.....			x	x		
Dentalium occidentale Stimpson.....	50-300.....				x	x	
Siphonodentalium affine M. Sars.....	35.....			x			
Siphonodentalium lobatum (Sowerby).....							
<i>Gasteropoda</i> .							
Acmaea rubella (Fabricius).....	20-35.....			x			
Acmaea testudinalis (Muller) 19, 35, 42, 46.....	a I.T.....	x					
Acrybia flava (Gould).....	50.....			x			
Admete couthouyi (Jay) 19.....	10-60.....		x	x	x		
Æolis papillosa (L) = Æolidia papillosa 35.....	I.T.-20.....	x	x	x			
Æolis purpurea Stimpson.....	I.T.....	x					
Æolis stellata Stimpson.....	I.T.....	x					
Alderia harvardiensis (Agassiz).....	I.T.....	x					
Alexia myosotis (Draparnaud) 35.....	I.T.....	x					
Amaura candida Moller.....	20-50.....			x			
Amauropsis islandica (Gmelin).....							
Amicula vestita (Boderip & Sowerby).....							
Anachis haliaeti (Jeffreys).....	67-96.....				x		
Ancula sulphurea Stimpson.....	I.T.....	x					
Aporrhais occidentalis Beck 19, 42, 46.....	2-120.....		x	x	x	x	
Astyris lunata (Say) 35.....	1-19.....		x	x			
Astyris rosacea (Gould) 35.....	8-60.....		x	x	x		
Astyris zonalis (Linsley) 35.....	8.....		x				
Bela angulosa Sars.....							
Bela bicarinata Couthouy.....	0-100.....		x	x	x		
Bela bicarinata var. violacea (Mighels & Adams).....	0-100.....		x	x	x		
Bela cancellata (Mighels) 42.....	25.....			x			
Bela cancellata var. canadensis Verrill & Bush.....							
Bela concinnula Verrill.....	16-42.....			x			
Bela decussata (Couthouy) 42.....	10-100.....		x	x	x		
Bela exarata (Moller).....	5-18.....		x	x			
Bela gouldii Verrill.....	16-41.....			x			
Bela harpularia (Couthouy) 35, 42.....	10-190.....		x	x	x		
Bela impressa Beck.....							
Bela incisula Verrill.....	5-110.....		x	x	x	x	
Bela mitrula (Loven).....	10-20.....		x	x			
Bela nobilis (Moller) 46.....	2-80.....		x	x	x		
Bela pingelii (Moller).....	45.....			x			
Bela pleurotomaria (Couthouy) 35, 42.....	1-80.....		x	x	x		
Bela rosea Sars.....	2-57.....		x	x	x		
Bela sarsii Verrill.....	10-20.....		x	x			
Bela scalaris Moller 42.....	10-100.....		x	x	x		
Bela woodiana (Moller).....	15.....			x			
Bittium nigrum Totten = B. alternatum 35.....	I.T.-5.....	x	x				
Buccinum ciliatum (Fabricius) 19.....	3-112.....		x	x	x	x	
Buccinum cyaneum Bruguiere.....	45-100.....			x	x		
Buccinum cyaneum var. perdix (or finmarchianum) (Beck) Mörch 19.....							

a The young are dredged in 15 fathoms.

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
<i>Gasteropoda</i> —Con.						
<i>Buccinum cyaneum</i> var. <i>patulum</i> Sars.....						
<i>Buccinum donovani</i> Gray 19.....	0-15.....		x			
<i>Buccinum glaciale</i> L.....	I.T.....	x				
<i>Buccinum gouldii</i> Verrill 19.....	60 ?				x ?	
<i>Buccinum tenue</i> Gray.....						
<i>Buccinum tottenii</i> Stimpson 19.....	a 8-15.....		x			
<i>Buccinum undatum</i> L. 19 = <i>B. undulatum</i> Muller 35, 42, 46.....	I.T.-170.....	x	x	x	x	x
<i>Calliostoma occidentale</i> (Mighels & Adams).....	25-40.....			x		
<i>Capulacmaea radiata</i> M. Sars.....	150.....					x
<i>Cerithiopsis costulata</i> (Moller).....						
<i>Cerithiopsis greenii</i> (Adams) 35.....	3-10.....		x			
<i>Cerithiella whiteavesii</i> Verrill.....	110-200.....					x
<i>Chaetoderma nitidulum</i> Loven.....	10-100.....		x	x	x	
<i>Cingula</i> (<i>Onoba</i>) <i>aculeus</i> Gould 35.....	I.T.....	x				
<i>Cingula arenaria</i> Mighels & Adams.....	4-25.....		x	x		
<i>Cingula</i> (<i>Alvania</i>) <i>areolata</i> Stimpson.....	96.....				x	
<i>Cingula carinata</i> Mighels & Adams.....	96-200.....				x	x
<i>Cingula</i> (<i>Alvania</i>) <i>castanea</i> (Moller).....	1-15.....		x			
<i>Cingula globulus</i> (Moller).....	60 ?				x	
<i>Cingula</i> (<i>Alvania</i>) <i>jan-meyeni</i> (Friele).....	20-200.....			x	x	x
<i>Cingula minuta</i> (Totten) 35.....	I.T.-1.....	x	x			
<i>Cingula multilineata</i> (Stimpson).....						
<i>Coryphella diversa</i> (Couthouy) 19.....	4.....		x			
<i>Coryphella mananensis</i> (Stimpson) 35.....	20-90.....			x	x	
<i>Coryphella stimpsoni</i> Verrill.....	0-51.....		x	x	x	
<i>Crenella decussata</i> Montagu.....	20-60.....			x	x	
<i>Crenella faba</i> Fabricius 30.....						
<i>Crenella glandula</i> (Potten).....	0-60.....		x	x	x	
<i>Crenella pectinula</i> (Gould).....						
<i>Crepidula convexa</i> Say 35.....	I.T.-15.....	x	x			
<i>Crepidula fornicata</i> (L) 35, 46.....	I.T.-19.....	x	x	x		
<i>Crepidula plana</i> Say 35, 46.....	I.T.-45.....	x	x	x		
<i>Crucibulum striatum</i> (Say) 35, 42, 46.....	0-30.....		x	x		
<i>Cylichna alba</i> (Brown) 19, 35, 46.....	2-60.....		x	x	x	
<i>Cylichna occulta</i> (Mighels & Adams).....						
<i>Dendronotus arborescens</i> Muller 19, 35.....	0-45.....		x	x		
<i>Dendronotus robustus</i> Verrill.....	I.T.-98.....	x	x	x	x	
<i>Diaphana debilis</i> (Gould).....	6-50.....		x	x		
<i>Diaphana hiemalis</i> (Couthouy) 19.....	40.....			x		
<i>Doris planulata</i> Stimpson.....	I.T.....	x				
<i>Doto coronata</i> (Gmelin) 35.....	15.....		x			
<i>Doto formosa</i> Verrill 35.....						
<i>Eulima stenostoma</i> Jeffreys.....						
<i>Haminea solitaria</i> (Say) 35.....	I.T.....	x				
<i>Hanleyia mendicaria</i> (Mighels & Adams).....	35-60.....			x	x	
<i>Ianthina fragilis</i> Lamarck 35.....						
<i>Issa lacera</i> (Muller).....	90-92.....				x	
<i>Lacuna glacialis</i> Moller.....	96.....				x	
<i>Lacuna neritoidea</i> Gould.....						
<i>Lacuna vineta</i> (Montagu).....	1-30.....		x	x		
<i>Lepeta caeca</i> (O. F. Muller) 19, 42.....	17-50.....			x	x	
<i>Lepidopleurus alveolus</i> M. Sars.....	220.....					
<i>Lepidopleurus cancellatus</i> Sowerby.....	95.....				x	
<i>Liostomia eburnea</i> (Stimpson).....	25-70.....			x	x	
<i>Litorina litorea</i> (L) 19, 35, 42, 46.....	I.T.-6.....	x				
<i>Litorina palliata</i> (Say) 19, 35, 42, 46.....	I.T.....	x				
<i>Litorina rudis</i> (Maton) 19, 35, 42.....	I.T.....	x				
<i>Lunatia groenlandica</i> (Beck) Moller.....	3-60.....		x	x	x	
<i>Lunatia heros</i> (Say) 42, 46 = <i>Polynices heros</i> 35.....	I.T.-40.....	x	x	x		
<i>Lunatia heros</i> var. <i>triseriata</i> (Say) 46 = <i>Polynices</i> <i>triseriata</i> 35.....	I.T.-40.....	x	x	x		
<i>Lunatia immaculata</i> (Totten) = <i>Polynices imma-</i> <i>culata</i> 35.....	0-25.....		x	x		

a The young are dredged in 21 fathoms.

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BATHYMETRIC TABLES—Continued.

		BATHYMETRIC RANGE.					
		Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.			
				1-15	15-50	50-100	100 x
<i>Gasteropoda</i> —Con.							
<i>Lunatia nana</i> (Møller) = <i>Polynices nana</i> 35.....	45.....				x		
<i>Margarita acuminata</i> (Sowerby) Mighels & Adams 40.....	40.....				x		
<i>Margarita cinerea</i> Couthouy 19.....	10-60.....			x	x	x	
<i>Margarita cinerea</i> var <i>grandis</i> (Mörch) G. O. Sars. 42.....	10-60.....			x	x	x	
<i>Margarita helicina</i> (Fabricius) 19, 42.....	I.T.....	x					
<i>Margarita olivacea</i> (Brown).....	4-60.....			x	x	x	
<i>Margarita umbilicalis</i> Broderip & Sowerby.....							
<i>Margarita undulata</i> Sowerby 42 = <i>Margarites undulatus</i> 35.....	3-50.....			x	x		
<i>Marsenina glabra</i> (Couthouy).....	15.....			x			
<i>Melampus bidentatus</i> Say.....	I.T.....	x					
<i>Melampus lineatus</i> Say 35, 46.....	I.T.....	x					
<i>Menestho albula</i> (Fabricius).....	2-15.....			x			
<i>Menestho striatula</i> (Couthouy) = <i>Couthouyella striatula</i> 15, 35.....	7-204.....			x	x	x	x
<i>Molleria costulata</i> (Møller).....	4.....			x			
<i>Nassa</i> (<i>Ilyanassa</i>) <i>obsoleta</i> Say 35, 46.....	0-6.....			x			
<i>Nassa</i> (<i>Tritia</i>) <i>trivittata</i> Say 35, 46.....	I.T.-60.....	x		x	x	x	
<i>Natica clausa</i> Broderip & Sowerby 35, 42.....	19-110.....			x	x	x	x
<i>Neptunea decemcostata</i> (Say) 42, 46.....	0-45.....			x	x		
<i>Neptunea despecta</i> var. <i>tornata</i> Gould.....	10-60.....			x	x	x	
<i>Odostomia bisuturalis</i> (Say) 15, 35.....							
<i>Odostomia fusca</i> (Adams) 35.....	3-6.....			x			
<i>Odostomia seminuda</i> (Adams) 35.....	2-10.....			x			
<i>Odostomia trifida</i> (Totten) 35.....	0.....			x			
<i>Odostomia</i> (<i>Menestho</i>) <i>trifida bedequensis</i> Bartsch 15.....							
<i>Odostomia</i> (<i>Chrysallida</i>) <i>willisi</i> Bartsch 15.....							
<i>Onchidoris muricata</i> (Møller).....	3-21.....			x	x		
<i>Onchidoris pallida</i> (Stimpson) = <i>Lamellidoris pallida</i> 35.....	25.....				x		
<i>Philine cingulata</i> G. O. Sars.....	90.....					x	
<i>Philine finmarchica</i> M. Sars.....	90.....					x	
<i>Philine fragilis</i> G. O. Sars.....	90.....					x	
<i>Philine lima</i> (Brown) 19.....	10-15.....			x			
<i>Philine quadrata</i> (Searles Wood).....	180-220.....						x
<i>Polycera lessonii</i> Orbigny.....	0-20.....			x	x		
<i>Puncturella noachina</i> (L.) 42.....	I.T.-50.....	x		x	x		
<i>Puncturella princeps</i> Michels 30.....							
<i>Purpura lapillus</i> (L.) 42 = <i>Thais lapillus</i> 35, 46.....	I.T.....	x					
<i>Ptychotractus ligatus</i> (Mighels) 30.....	15-60.....				x	x	
<i>Retusa gouldii</i> (Couthouy).....							
<i>Retusa nitidula</i> (Loven).....	200.....						x
<i>Retusa pertenuis</i> (Mighels) 19, 42.....	8-10.....			x			
<i>Scalaria</i> (<i>Acirsa</i>) <i>costulata</i> (Mighels).....							
<i>Scalaria groenlandica</i> Perry 42 = <i>Boreoscala groenlandica</i> 35.....	10-109.....			x	x	x	x
<i>Scaphander punctostriatus</i> (Mighels) 19.....	200.....						x
<i>Scissurella crispata</i> Fleming.....	4-790.....			x	x	x	x
<i>Sipho ossiani</i> (Friele).....	180.....						x
<i>Sipho pubescens</i> Verrill.....	88-91.....					x	
<i>Sipho pygmaeus</i> (Gould) 42.....	0-430.....			x	x	x	x
<i>Sipho stimpsoni</i> (Mörch) 42.....	0-112.....			x	x	x	x
<i>Sipho spitzbergensis</i> (Reeve).....	1-60.....			x	x	x	
<i>Sipho ventricosus</i> (Gray).....							
<i>Skeneia planorbis</i> (Fabricius) 35.....	I.T.....	x					
<i>Solariella obscura</i> (Couthouy).....	10-60.....			x	x	x	
<i>Solariella obscura</i> var. <i>bella</i>	10-90.....			x	x	x	
<i>Solariella varicosa</i> (Mighels & Adams).....	1-60.....			x	x	x	
<i>Thais lapillus</i> (L.) 46.....	0-6.....			x			
<i>Tonicella marmorea</i> (Fabricius) 19, 42.....	0-50.....			x	x		
<i>Tornatina canaliculata</i> (Say) 35.....	3-5.....			x			
<i>Trachydermon albus</i> (L.).....	0-50.....			x	x		
<i>Trachydermon ruber</i> (L.) 35 = <i>Trachydermon rubrum</i> 19.....	0-40.....			x	x		

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
<i>Gasteropoda</i> —Con.						
<i>Trichotropis borealis</i> Broderip & Sowerby 19.....	10-50.....		x	x		
<i>Trichotropis conica</i> (Beck) Moller 30.....						
<i>Tritonofusus kroyeri</i> (Moller) 19.....	3-60.....		x	x	x	
<i>Tritonofusus latericeus</i> (Moller).....	20-357.....			x	x	x
<i>Tritonofusus stimpsoni</i> lirulatus Verril 35, 46.....	3-20.....		x	x		
<i>Tritonofusus syrtensis</i> (Packard).....	30.....			x		
<i>Trophon clathratus</i> (L) 19.....	20-80.....			x	x	
<i>Trophon clathratus</i> var. <i>gunneri</i> Loven.....	16-60.....			x	x	
<i>Trophon fabricii</i> (Beck) Moller.....	38-50.....			x		
<i>Trophon truncatus</i> (Ström).....	30.....			x		
<i>Turbonilla</i> (Pyrgiscus) <i>hecuba</i> Dall & Bartsch 30.....	19.....			x		
<i>Turbonilla interrupta</i> var. <i>fulvocincta</i> (Totten).....	2-10.....		x			
<i>Turbonilla</i> (Pyrgiscus) <i>edwardensis</i> Bartsch 15.....						
<i>Turbonilla nivea</i> Stimpson 35.....	40.....			x		
<i>Turbonilla</i> (Pyrgiscus) <i>whiteavesi</i> Bartsch 15.....						
<i>Turritella erosa</i> Couthouy 19.....	10-60.....		x	x	x	
<i>Turritella reticulata</i> Mighels & Adams 19.....	2-15.....		x			
<i>Turritellopsis acicula</i> (Stimpson) 19.....	0-50.....		x	x		
<i>Urosalpinx cinerea</i> (Say) 35, 46.....	1-15.....		x			
<i>Velutella cryptospira</i> Middendorf.....	57.....				x	
<i>Velutina laevigata</i> (Pennant) 35.....	0-17.....		x	x		
<i>Velutina</i> (Limneria) <i>undata</i> (Brown) 42.....	15.....		x			
<i>Volumitra groenlandica</i> Beck 7.....						
<i>Volutopsis norvegica</i> (Chemnitz).....						
<i>Pteropoda</i> .						
<i>Clione limacina</i> (Phipps) 19, 35.....	F.....					
<i>Limacina gouldii</i> (Stimpson).....	F.....					
<i>Cephalopoda</i> .						
<i>Dibranchiata</i> .						
<i>Chiroteuthis lacertosa</i> Verrill.....	F.....					
<i>Gonatus fabricii</i> (Lichtenstein).....	F.....					
<i>Histioteuthis collinsii</i> Verrill.....	F.....					
<i>Illex illecebrosus</i> (Lesueur) 42 = <i>Ommastrephes</i> <i>illecebrosa</i> 35.....	F.....					
<i>Ommastrephes megapterus</i> (Verrill).....	F.....					
<i>Rossia hyatti</i> Verrill.....	57-100.....				x	
<i>Rossia sublevis</i> Verrill.....	42-101.....			x	x	x
<i>Rossia</i> (?) <i>tenera</i> (Verrill).....	85.....				x	
<i>Octopoda</i> .						
<i>Octopus arcticus</i> Prosch.....	60-101.....				x	x
<i>Octopus lentus</i> Verrill.....	120-602.....					x
<i>Octopus obesus</i> Verrill.....	160-300.....					x
<i>Octopus piscatorum</i> Verrill.....	120.....					x
<i>Stauroteuthis syrtensis</i> Verrill.....	250.....					x
CRUSTACEA.						
ENTOMOSTRACA						
<i>Phyllopoda</i> .						
<i>Evadne nordmanni</i> Loven 10, 11.....	F.....					
<i>Evadne spinifera</i> Linnaeus 11, 27.....	F.....					
<i>Podon intermedius</i> 11, 27.....	F.....					
<i>Podon finmarchichus</i> 27.....						
<i>Podon leuckarti</i> G. O. Sars 10.....						
<i>Podon polyphemoides</i> Lilljeborg 11, 27.....	F.....					

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BATHYMETRIC TABLES—Continued.

	Min. and Max. Depth.	Inter- tidal Zone.	BATHYMETRIC RANGE.			
			Fathoms.			
			1-15	15-50	50-100	100 x
<i>Cirripedia and Copepoda.</i>						
Acartia clausi Giesbrecht 10, 36.....	F.....					
Acartia giesbrechti Dahl 10.....						
Anchorella sp. 31.....						
Argulus alosae Gould 10.....						
Argulus fundulus Kroyer 5, 35, 40.....	P.....					
Argulus sp. indet.....	P.....					
Balanus balanoides (L) 5, 18, 35, 45.....	I.T.....	x				
Balanus crenatus Bruguiere 5, 18, 27, 35, 45.....	I.T.-30.....	x	x	x		
Balanus hameri Ascanius 5, 35, 45.....	I.T.-141.....	x	x	x	x	x
Balanus improvisus Darwin 45.....						
Balanus porcatus Da Costa 5, 18, 27, 35.....	10-150.....		x	x	x	x
Calanus finmarchicus Gunner 11, 27, 35.....	F.....					
Calanus helgolandicus Claus 10.....						
Caligus curtus Muller 35, 40.....	P.....					
Caligus rapax Milne Edwards 35, 40.....	P.....					
Centropages hamatus Lilljeborg 10, 11.....	F.....					
Centropages typicus Lilljeborg 11.....	F.....					
Chondracanthus cornutus Muller 5, 40.....	P.....					
Chondracanthus merluccii Holten 5, 40.....	P.....					
Coronula diadema (L) 5, 18.....	P.....					
Coronula regina Darwin 45.....	P.....					
Dias longiremis Lilljeborg 27.....						
Euchaeta marina Pretandrea 10.....						
Eurytemora herdmanni Thompson & Scott 10, 36.....	F.....					
Haracticus chelifera Muller 11, 27, 35.....	F.....					
Irenaeus patersoni Templeton = Anomalocera patersoni 10.....	F.....					
Isias clavipes Boeck 10.....						
Labidocera aestiva Wheeler 10.....						
Lepas fascicularis Ellis & Solander 5 = L. fasciculatus 8, 35.....						
Lepas hillii Leach 5, 8, 35.....						
Lepeophtheirus salmonis Kroyer 18.....	P.....					
Lepeophtheirus hippoglossi Kroyer *	P.....					
Lernaea branchialis L. 5, 18, 40.....	P.....					
Microsetella atlantica Brady & Robertson.....	F.....					
Nemesis robusta 31.....	P.....					
Oithona plumifera Baird 11.....	F.....					
Oithona similis Claus 10.....						
Pandarus sinuatus Say 40.....	P.....					
Paracalanus parvus Claus 10.....						
Peltogaster paguri Rathke 18.....	3-6.....		x			
Pseudocalanus elongatus 10, 11.....	F.....					
Scalpellum pressum Pilsbry 8.....	224-330.....					x
Scalpellum stroemii Sars 5, 8.....	35-1000.....			x	x	x
Scalpellum velutinum Hock 27.....						
Temora sp. 27.....						
Tortanus discaudatus (Thompson & Scott) 10, 11, 22, 35, 36.....	F.....					
<i>Ostracoda.</i>						
Argilloecia sp.....						
Bradycinetus sp.....						
Bythocythere turgida Sars.....						
Cypridina excisa Stimpson 18.....	4-5.....		x			
Cythere abyssicola Sars.....				x		
Cythere badia ? Norman.....				x		
Cythere canadensis Brady 35.....				x		
Cythere concinna Jones 35.....				x		
Cythere costata Brady.....				x		
Cythere dawsoni Brady.....				x		

(a) From Skin of Hippoglossus vulgaris Flem. Le Have Island, E. Coast of Nova Scotia.
C. H. Young, collector. Determined by Dr. C. B. Wilson.

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
<i>Ostracoda</i> —Con.						
<i>Cythere dunelmensis</i> Norman 35.....				x		
<i>Cythere emarginata</i> Sars 35.....				x		
<i>Cythere leioderma</i> Norman.....				x		
<i>Cythere limicola</i> Norman.....				x		
<i>Cythere lutea</i> Muller.....				x		
<i>Cythere pellucida</i> Band.....				x		
<i>Cythere tuberculata</i> Sars 35.....				x		
<i>Cythere villosa</i> Sars 35.....				x		
<i>Cythere whitei</i> Band.....				x		
<i>Cytheridea</i> (?) <i>elongata</i> Brady.....				x		
<i>Cytheridea papillosa</i> Bosquet.....				x		
<i>Cytheridea punctillata</i> Brady.....				x		
<i>Cytheridea sorbyana</i> Jones.....				x		
<i>Cytherideis foveolata</i> Brady.....				x		
<i>Cytheropteron angulatum</i> Br. & Rob.....				x		
<i>Cytheropteron arcuatum</i> Br. & Rob.....				x		
<i>Cytheropteron nodosum</i> Brady.....				x		
<i>Cytheropteron vespertillo</i> Reuss.....				x		
<i>Cytherura</i> (?) <i>concentrica</i> C. B. & R. (M. S.).....				x		
<i>Cytherura cristata</i> Brady & Crosskey.....				x		
<i>Cytherura</i> (?) <i>pumila</i> C. B. & R. (M. S.).....				x		
<i>Cytherura sarsii</i> Brady.....				x		
<i>Cytherura</i> (?) <i>undata</i> Sars (Var.).....				x		
<i>Eucythere argus</i> Sars sp.....				x		
<i>Krithe</i> (<i>Ilyobates</i>) <i>bartonensis</i> Jones.....				x		
<i>Loxoconcha</i> sp.....				x		
<i>Philomedes brenda</i> Baird 14.....						
<i>Philomedes interpuncta</i> Baird.....				x		
<i>Schlerochilus contortus</i> Norman.....				x		
<i>Xestoleberis depressa</i> Sars 35.....				x		
 MALACOSTRACA						
<i>Leptostraca, and Arthrostraca.</i>						
<i>Acanthonotozoma serratum</i> (Fabricius) 5, 18.....	5-50.....		x	x		
<i>Acanthonotozoma inflatum</i> (Kroyer) 18.....	8.....		x			
<i>Acanthostephia malmgreni</i> Goes.....	70.....				x	
<i>Acanthozone cuspidata</i> (Lepechin) 5, 18, 27.....	5-80.....		x	x	x	
<i>Aceros phyllonyx</i> M. Sars.....	50-70.....			x	x	
<i>Ega psora</i> (L) 4, 5, 18.....	20-150.....			x	x	
<i>Egina longicornis</i> Kroyer 5.....	I.T.-32.....	x	x	x		x
<i>Egina spinosissima</i> (Stimpson) 5 = <i>Æquiella spinosissima</i> 27.....	10.....		x			
<i>Amathilla homari</i> (J. C. Fabricius) 18.....						
<i>Ampelisca eschrichtii</i> Kroyer 18.....	14-110.....		x	x	x	x
<i>Ampelisca macrocephala</i> Lilljeborg 5, 18, 35.....	8-50.....		x	x		
<i>Ampelisca typica</i> Spence Bate.....						
<i>Amphithoe podoceroideis</i> Rathke.....	0-8.....		x			
<i>Apmhithoe punctata</i> Say.....	4.....		x			
<i>Amphithoe rubricata</i> Montagu 18, 27.....	8.....		x			
<i>Anonyx exiguus</i> Stimpson.....	8-15.....		x			
<i>Anonyx nugax</i> (Phipps) 18, 35.....	I.T.-40.....	x	x	x		
<i>Anonyx pallidus</i> Stimpson.....	4-20.....		x	x		
<i>Anonyx politus</i> Stimpson.....	40.....			x		
<i>Anonyx pumilus</i> Lilljeborg.....	10-15.....		x			
<i>Apherusa bispinosa</i> 18.....	10-20.....		x	x		
<i>Arcturus baffini</i> Westwood 18.....						
<i>Astacilla granulata</i> (G. O. Sars) 4, 5.....	7-640.....		x	x	x	x
<i>Byblis gaimardii</i> (Kroyer) 5, 18.....	10-60.....		x	x	x	
<i>Calathura brachiata</i> (Stimpson) 4, 35.....	10-250.....		x	x	x	x
<i>Calliopius laevisculus</i> (Kroyer) 5, 18.....	F.....					
<i>Caprella linearis</i> (L) 5, 18, 27.....	4-32.....		x	x		
<i>Caprella longimanus</i> Stimpson.....						

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BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.						
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.				
			1-15	15-50	50-100	100 x	
MALACOSTRACA—Con.							
Leptostraca and Arthrostraca—Con.							
Caprella sanguinea Gould.....							
Caprella stimpsonii Spence Bate = C. robusta 27.....	12		x				
Centromedon pumilus 18.....	15		x				
Chiridotea coeca (Say) 4, 5, 35.....	I.T.	x					
Chiridotea tuftsi (Stimpson) 4, 5.....	0		x				
Cirolana borealis Lillejborg 4.....	30-300			x	x	x	
Cirolana concharum Stimpson 4.....	0-18		x	x			
Cirolana polita Stimpson 4, 5.....	I.T.-150	x	x	x	x	x	
Dajus mysidis Kroyer 4, 18.....							
Dulichia porrecta Spence Bate 18.....							
Epelys montosus (Stimpson) = Edotea montosa 4, 5, 35.....	14-40		x	x			
Epimeria lorica G. O. Sars 5.....	85-212				x	x	
Eriethonius difformis Milne-Edwards 8 = E. rubricornis 27.....	8-100		x	x	x		
Eurycope robusta Harger = Eurycope cornuta Sars 4.....	50-400				x	x	
Eusirus cuspidatus Kroyer.....							
Euthemisto bispinosa (Boeck) 5, 35.....	F						
Euthemisto compressa Goes. 11.....	F						
Euthemisto libellula (Mandt.) 18.....	F						
Gammaracanthus macrophthalmus (Stimpson).....	0		x				
Gammarus locusta (L ?) J. C. Fabricius 18, 27.....	I.T.-21	x	x	x			
Gnathia cerina (Stimpson) 5, 18.....	10-220		x	x	x	x	
Gyge hippolytes (Kroyer) = Bopyroides hippolytes 4.....	5-70		x	x	x		
Halirages bispinosus (Spence Bate).....							
Halirages fulvocinctus (M. Sars) 5, 18.....	10-220		x	x	x	x	
Haploops setosa Boeck 5.....	30-110		x	x	x		
Haploops tubicola Lillejborg 5, 18.....	15-106		x	x	x		
Harpinia fusiformis (Stimpson).....	20-220			x	x	x	
Hyale littoralis (Stimpson) = Allorchestes littoralis 5, 35.....	I.T.	x					
Hyperoche medusarum (Kroyer) = Hyperia medusarum 18, 35.....	F						
Idotea marina (L.) 5 = Idothea baltica 35.....	I.T.-30	x	x	x			
Idotea phosphorea Harger 4, 27, 35.....	I.T.-30	x	x	x			
Idotea robusta Kroyer = Idothea metallica 35, 45.....	0-91		x	x	x		
Jaera albifrons Leach = Jaera marina, 4, 18, 35.....	I.T.	x					
Janira alta (Stimpson) 4, 5.....	I.T.-487	x	x	x	x	x	
Janira spinosa Harger = Tobella spinosa 4.....							
Lafystus sturionis Kroyer 5, 35.....							
Leptocheirus pinguis (Stimpson) 47 = Ptilocheirus pinguis, 5, 27.....	0-150		x	x	x	x	
Leptochelia filum (Stimpson) 4, 18.....	8-20		x	x			
Leucothoe grandimanus Stimpson.....	30			x			
Limnoria lignorum (Rathke) 4, 35.....	1-3		x				
Lysianax spinifera (Stimpson).....	40			x			
Lysianopsis alba Holmes 5, 18, 27.....	4-13		x				
Maera danae (Stimpson) 5.....	50			x			
Maera sp.....	22-30			x			
Mayerella limicola Huntsman 41.....	5-50		x	x			
Melita dentata (Kroyer) 5, 18, 27.....	7½-430		x	x	x	x	
Melita goesii Hansen.....	70				x		
Melphidippa sp. indet.....	14-220		x	x	x	x	
Metopa glacialis (Kroyer).....							
Mesidotea entomon Linn 18.....							
Mesidotea sabinii Kroyer 18.....							
Metopa groenlandica Hansen 5, 27.....	86-150				x	x	
Monoculodes borealis Boeck.....	20			x			
Monoculodes demissus Stimpson.....	4		x				
Monoculodes sp. indet.....	60				x		
Munna fabricii Kroyer 4.....	4-200		x	x	x	x	

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
MALACOSTRACA—Con.						
Leptostraca and Arthrostraca—Con.						
Munnopsis typica M. Sars 4, 18.....	5-400.....		x	x	x	x
Nebalia bipes (Fabricius) 18.....	4-220.....		x	x	x	x
Oediceros lynceus M. Sars = Paroediceros lynceus 5, 18.....	4-85.....		x	x	x	
Oediceros saginatus Kroyer.....						
Onisimus edwardsii Kroyer 18.....						
Orchestia agilis S. I. Smith 5, 27, 35.....	I.T.....					
Orchestia gryllus Gould.....	I.T.....	x				
Orchomenella minutus (Kroyer) = Orchomenella minuta 18.....	10-15.....		x			
Paramphithoe cataphracta (Stimpson).....	4-50.....		x			
Paramphithoe pulchella (Kroyer) 5, 27.....	25-90.....			x	x	
Parathemisto obliqua (Kroyer).....	F.....					
Pardaliscia cuspidata Kroyer 5.....	35-70.....			x	x	
Phoxocephalus holbolli (Kroyer) 5, 18, 35.....	0-200.....		x	x	x	x
Phryxus abdominalis (Kroyer) 4, 18, 35.....	5-351.....		x	x	x	x
Pleustes bicuspidis (Kroyer) = Paramphithoe bi- cuspidis 18.....						
Pleustes panoplus (Kroyer) 5, 18.....	4-85.....		x	x	x	
Podocerus fucicola (Stimpson).....						
Podocerus nitidus (Stimpson) = Podoceropsis ni- tidus 5.....	30-60.....			x	x	
Pontogeneia inermis (Kroyer) 5, 18, 35.....	I.T.-15.....	x	x	x		
Pontoporeia femorata Kroyer 5, 18.....	1-60.....		x	x	x	
Ptilanthura tenuis Harger 4, 35.....	0-19.....		x	x		
Rhacotropis aculeatus (Lepechin) 5, 18.....	10-122.....	x	x	x	x	x
Socarnes vahli Kroyer 18.....						
Stegocephalus inflatus Kroyer 5, 18, 35.....	50-150.....				x	x
Stenothoe clypeata Stimpson.....	30.....			x		
Synidotea bicuspidata (Owen) = S. marmorata 4, 18.....	12-129.....		x	x	x	x
Synidotea nodulosa (Kroyer) 45.....	6-190.....		x	x	x	x
Syrrhoe crenulata Goes 5.....	12-100.....		x	x	x	
Tiron acanthurus Lilljeborg.....	45.....			x		
Tryphosa horringii Boeck 18.....						
Unciola irrorata Say 5, 18, 27, 35.....	0-430.....		x	x	x	x
Cumacea.						
Diastylis goodsiri (Bell) 25.....	60-218.....				x	x
Diastylis luciferus (Kroyer) 5.....	10-77.....		x	x	x	
Diastylis politus S. I. Smith 5, 25, 35.....	7-190.....		x	x	x	x
Diastylis quadrispinosus G. O. Sars 5, 18, 25, 35.....	2-190.....		x	x	x	x
Diastylis rathkii (Kroyer) 18, 25.....	3-499.....		x	x	x	x
Diastylis scorpioides (Lepechin) 25.....	13-206.....		x	x	x	x
Diastylis sculptus G. O. Sars 5, 25, 35.....	0-190.....		x	x	x	x
Diastylopsis ? resima (Kroyer) 25.....	57.....				x	
Eudorella emarginata (Kroyer).....	30-52.....			x	x	
Eudorella hispida G. O. Sars 35.....	1-4.....		x			
Eudorella integra S. I. Smith = Eudorellopsis in- tegra 25.....	29-110.....			x	x	x
Eudorella pusilla G. O. Sars.....	1-15.....		x			
Lamprops quadruplicata (S. I. Smith) 5, 25.....	7-37.....		x	x		
Leucon nascooides Lilljeborg 5.....	42-110.....			x	x	x
Leucon nasicus Kroyer.....	50-70.....				x	
Petalosarsia declivis (G. O. Sars) 25.....	39-89.....			x	x	
Schizopoda.						
Meterythrops robusta S. I. Smith = Parerythrops robusta 5.....	33-70.....			x	x	
Mysis mixta Lilljeborg 5, 18.....	20-90.....			x	x	
Mysis oculata (Fabricius).....	F.....					
Mysis stenolepis S. I. Smith = Michthemysis ste- nolepis 35.....	16-21.....			x		
Nyctiphanes norvegica (M. Sars) 5 = Meganycti- phanes norvegica 35, 39.....	F.....					

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BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
<i>Decapoda.—Macrura.</i>						
<i>Pseudomma roseum</i> G. O. Sars.....	110-210					x
<i>Pseudomma truncatum</i> S. O. Smith.....	45-70			x	x	
<i>Rhoda inermis</i> (Kroyer) 5 = <i>Thysanoessa inermis</i> 35.....	40-220			x	x	x
<i>Thysanoessa</i> (<i>Rhoda</i>) <i>inermis neglecta</i> (Kroyer) 39.....	300					x
<i>Thysanoessa raschii</i> M. Sars 39.....	0-300		x	x	x	x
<i>Calocaris mcandreae</i> Bell.....	190					x
<i>Caridion gordonii</i> (Spence Bate) 5.....	27-110			x	x	x
<i>Crangon vulgaris</i> J. C. Fabricius 27 = <i>Crago septemspinus</i> 18, 35.....	0-50		x	x		
<i>Eupagurus bernhardus</i> (L) = <i>Pagurus acadianus</i> Benedict 5, 27, 35, 47.....	0-150		x	x	x	x
<i>Eupagurus kroyeri</i> Stimpson = <i>Pagurus kroyeri</i> 5, 18, 35.....	0-306		x	x	x	x
<i>Eupagurus pubescens</i> (Kroyer) 47 = <i>Pagurus pubescens</i> 5, 18, 35.....	0-150		x	x	x	x
<i>Hetairus debilis</i> Spence Bate.....	85				x	
<i>Hetairus tenuis</i> Spence Bate.....	85				x	
<i>Hippolyte fabricii</i> Kroyer 27 = <i>Spirontocaris fabricii</i> 5, 18.....	0-125		x	x	x	x
<i>Hippolyte macilentia</i> Kroyer = <i>Spirontocaris macilentia</i> 18.....	15-75		x	x		
<i>Hippolyte projecta</i> Spence Bate.....	85				x	
<i>Homarus americanus</i> Milne Edwards 5, 18, 27, 35.....	0-20		x	x		
<i>Lithodes maia</i> (L) 5.....	250-291					x
<i>Munidopsis curvirostra</i> Whiteaves.....	35-1290			x	x	x
<i>Nectocrangon dentatus</i> Rathbun 18.....						
<i>Nectocrangon</i> lar (Owen).....	10-60		x	x	x	
<i>Pagurus irroratus</i> Linnaeus 27.....						
<i>Pagurus longicarpus</i> Say 5, 35, 47.....	I.T.-18	x	x	x		
<i>Pandalus borealis</i> Kroyer 5.....	40-160			x	x	x
<i>Pandalus leptocerus</i> Smith 5.....	S.W.-630		x	x	x	x
<i>Pandalus montagu</i> Leach 5, 18, 27, 35.....	6-430		x	x	x	x
<i>Parapagurus pilosimanus</i> S. I. Smith.....	353-2021					x
<i>Pontophilus norvegicus</i> M. Sars 5.....	92-115			x	x	x
<i>Sabinea sarsii</i> S. I. Smith 5.....	16-150				x	x
<i>Sabinea septemcarinata</i> (Sabine) 5, 18.....	15-85			x	x	
<i>Sclerocrangon boreas</i> (Phipps) 5, 18.....	0-36		x	x		
<i>Spirontocaris gaimardii</i> (Milne Edwards) 5, 18.....	0-60		x	x	x	
<i>Spirontocaris gaimardii</i> var. <i>belcheri</i> Bell. 18.....	8-75		x	x	x	
<i>Spirontocaris groenlandica</i> (J. C. Fabricius) 5 = <i>Hippolyte groenlandica</i> 18, 27, 35.....	1-72		x	x	x	
<i>Spirontocaris polaris</i> (Sabine) 5 = <i>Hippolyte polaris</i> , 18, 27.....	3-218		x	x	x	x
<i>Spirontocaris pusiola</i> (Kroyer) 5, 35.....	0-125		x	x	x	x
<i>Spirontocaris spinus</i> (Sowerby) = <i>Hippolyte spinus</i> 5, 18, 27.....	5-90		x	x	x	
<i>Spirontocaris stoneyi</i> Rathbun 18.....	7		x			
<i>Spirontocaris turgida</i> (Kroyer) = <i>Hippolyte phippi</i> 5.....	7-125		x	x	x	x
<i>Decapoda.—Brachyura.</i>						
<i>Cancer amoenus</i> Herbst ₁ = <i>C. irroratus</i> Say 18, 27, 35, 47.....	I.T.-19	x	x	x		
<i>Cancer borealis</i> Stimpson 5.....	I.T.-21	x	x	x		
<i>Chionoecetes opilio</i> (O. Fabricius) 5, 18.....	10-101		x	x	x	x
<i>Hyas araneus</i> (L) 18, 27.....	0-106		x	x	x	x
<i>Hyas coarctatus</i> Leach 5, 18, 35, 47.....	0-106		x	x	x	
<i>Libinia emarginata</i> Leach 5, 35, 47.....	I.T.-19	x	x	x		
<i>Neptunus sayi</i> Milne Edwards.....	85				x	

BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
ARACHNIDA.						
<i>Pycnogonida.</i>						
<i>Achelua spinosa</i> (Stimpson).....					x	
<i>Ammotheca achelioides</i> Wilson.....					x	
<i>Nymphon brevicollum</i> Hoek.....	85.					
<i>Nymphon grossipes</i> (O. Fabricius) 35.....	12-110.		x	x		x
<i>Nymphon hirtum</i> J. C. Fabricius.....	o-50.		x	x		
<i>Nymphon longitarse</i> Kroyer.....	16-90.			x	x	
<i>Nymphon macrum</i> Wilson.....						
<i>Nymphon stroemii</i> Kroyer.....	35-110.			x	x	x
<i>Phoxichilidium maxillare</i> (Stimpson).....	I.T.-55.	x	x	x	x	
<i>Pseudopallene hispida</i> (Stimpson).....	50-55.				x	
<i>Pycnogonum littorale</i> (Strom).....	I.T.-430.	x	x	x	x	x
CHORDATA.						
<i>Amaroucium glabrum</i> Verrill 23, 26, 35.....	o-80.		x	x	x	
<i>Amaroucium pallidum</i> Verrill = <i>Aplidium palli-</i> <i>dum</i> 23, 35.....	o-471.		x	x	x	x
<i>Aplidium despectum</i> Herdman.....	51.				x	
<i>Ascidia complanata</i> Fabricius = <i>Phallusia prunum</i> 29 = <i>Ascidiopsis prunum</i> 26.....	I.T.-150.	x	x	x	x	x
<i>Ascidia falcigera</i> Herdman.....	85.				x	
<i>Boltenia bolteni</i> (L) 30.....	30-56.			x	x	
<i>Boltenia bolteni</i> (L) var. <i>rubra</i> = <i>Pyura ovifera</i> 29.....	30-56.			x	x	
<i>Boltenia ciliata</i> Moller = <i>Pyura ovifera</i> 29.....	30.			x		
<i>Boltenia elegans</i> Herdman = <i>Pyura ovifera</i> 29 and <i>Boltenia ovifera</i> 26, 47.....	51.				x	
<i>Botrylloides aureum</i> Sars 23, 26.....	S.W.-160.		x	x	x	x
<i>Botryllus</i> (spec. undet.).....	50-96.				x	
<i>Caesira canadensis</i> 26.....	I.T.	x				
<i>Caesira intumescens</i> Van Name 29.....	39.			x		
<i>Caesira septentrionalis</i> Traustedt 29.....	50.			x		
<i>Chelyosoma geometricum</i> Stimpson = <i>C. maclea-</i> <i>yanum</i> 26, 29.....	6-54.		x	x	x	
<i>Ciona tenella</i> (Stimpson) = <i>C. intestinalis</i> (L) 29.....	5-127.		x	x	x	x
<i>Dendrodoa aggregata pulchella</i> Verrill 29.....	10-40.		x	x		
<i>Dendrodoa carnea</i> Agassiz 26, 29 = <i>Cynthia carnea</i> 35.....	S.W.-39.		x	x		
<i>Dendrodoa grossularia</i> Van Beneden 29.....	45.			x		
<i>Didemnopis tenerum</i> (Verrill) 23, 26.....	10-76.		x	x	x	
<i>Eugyra glutinans</i> (Moller) 35.....	6.		x			
<i>Eugyra pilularis</i> Verrill 35 = <i>Bostrichobranchus</i> <i>pilularis</i> 29.....	1-120.		x	x	x	x
<i>Glandula arenicola</i> Verrill = <i>Tethyum molle</i> 29.....	10-150.		x	x	x	x
<i>Glandula fibrosa</i> Stimpson = <i>Pandocia fibrosa</i> 29.....	30-238.			x	x	x
<i>Glandula mollis</i> Stimpson = <i>Tethyum molle</i> 29.....	10-150.		x	x	x	x
<i>Halocynthia echinata</i> (L) 35 = <i>Pyura echinata</i> 29 and <i>Boltenia hirsuta</i> 26.....	o-120.		x	x	x	x
<i>Halocynthia pyriformis</i> (Rathke) = <i>Pyura auran-</i> <i>tium</i> 29 and <i>Tethyum pyriforme americanum</i>	o-120.		x	x	x	x
<i>Halocynthia rustica</i> (L) = <i>Tethyum rusticum</i> 29.....	8.		x			
<i>Halocynthia tuberculum</i> (Fabricius) = <i>Tethyum</i> <i>coriaceum</i> Alder & Hancock 29.....	10-225.		x	x	x	x
<i>Holozoa clavata</i> (Sars) 26, 29 ?.....	S.W.-150.		x	x	x	x
<i>Leptoclinum albidum</i> Verrill = <i>Tetradiidemnum</i> <i>albidum</i> 23, 26.....	o-110.		x	x	x	x
<i>Leptoclinum albidum</i> var. <i>luteolum</i> = <i>Tetradi-</i> <i>idemnum albidum</i> 29.....	o-110.		x	x	x	x
<i>Leptoclinides faeroensis</i> Bjerkan 23.....	100-1582.					x
<i>Lissoclinum aureum</i> Verrill 23, 26.....	S.W.-100.		x	x	x	x
<i>Macroclinum pomum</i> Sars 23.....	75.				x	
<i>Microcosmus nacreus</i> Van Name 29.....	26-36.			x		
<i>Molgula littoralis</i> , Verrill = <i>Caesira citrina</i> 29 & <i>Caesira littoralis</i> 26.....	I.T.-126.	x	x	x	x	x

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BATHYMETRIC TABLES—Continued.

	BATHYMETRIC RANGE.					
	Min. and Max. Depth.	Inter- tidal. Zone.	Fathoms.			
			1-15	15-50	50-100	100 x
CHORDATA—Con.						
Molgula pannosa Verrill 35 = <i>Caesira pannosa</i> 26, 29.....	10-80.....		x	x	x	
Molgula papillosa Verrill 35 = <i>Caesira papillosa</i> 26, 29.....	10-100.....		x	x	x	
Molgula producta Stimpson 35 = <i>Caesira producta</i> 29.....	I.T.-29...	x	x	x		
Molgula retortiformis Verrill = <i>Caesira retorti-</i> <i>formis</i> 26, 29.....	10-125.....		x	x	x	x
Pera crystallina (Møller) = <i>Caesira crystallina</i> 29.....	10-30.....		x	x		
Pelonia arenifera Stimpson = <i>P. corrugata</i> 26, 29.....	15.....		x			
Phallusia obliqua (Alder) 29 = <i>Phallusioides</i> <i>obliqua</i> 26.....	33-320.....			x	x	x
Polycitor kukenthali (Gottschaldt) 23.....	8-225.....		x	x	x	x
Tethyum finmarkense Kiaer 29.....	11-67.....		x	x	x	
Tethyum mortenseni Hartmeyer 29.....	45-350.....			x	x	x

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