

# **The Marine Invertebrates Code of the Northwest Atlantic Fisheries Centre**

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by

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## ABSTRACT

Lilly, G. R. 1982. The marine invertebrates code of the Northwest Atlantic Fisheries Centre. Can. Data Rep. Fish. Aquat. Sci. 365: iv + 44 p.

In order to facilitate standardization of coding procedures at the Northwest Atlantic Fisheries Centre, unique 4-digit numerical codes were assigned to selected marine invertebrate taxa which have been or might be recorded in field surveys and studies of groundfish stomach contents. The species list is not a checklist for the Newfoundland-Labrador marine region.

Key words: invertebrate, Newfoundland, species code.

## RÉSUMÉ

Lilly, G. R. 1982. The marine invertebrates code of the Northwest Atlantic Fisheries Centre. Can. Data Rep. Fish. Aquat. Sci. 365: iv + 44 p.

En vue de faciliter la standardisation des procédures de codage au centre des pêches de l'atlantique nord-ouest, des codes numériques à quatre chiffres uniques, ont été attribués à des taxa d'invertébrés marins sélectionnés qui ont été ou devraient être enregistrés au cours d'observations sur le terrain et lors d'études des contenus stomacaux des poissons de fond. La liste des espèces, n'est pas une liste de contrôle pour la région marine Terre-neuve et Labrador.

## INTRODUCTION

A marine invertebrate species code was instituted on January 1, 1983 to facilitate standardization of coding procedures in the Fisheries Research Branch, Northwest Atlantic Fisheries Centre, St. John's. The code is a companion to the vertebrates code provided by Akenhead and LeGrow (1981).

The intent was to include in a 4-digit numerical code selected taxa which have been or might be recorded in field surveys and studies of groundfish stomach contents. The taxonomic list was compiled from a variety of sources and does not constitute a checklist. It includes only a small portion of the species recorded from the marine waters of Newfoundland and Labrador. Furthermore, it includes several taxa which have neither been recorded in these waters nor captured during distant surveys conducted by ships operated from St. John's.

Each entry comprises a code, a scientific name and a common name. The code sequence includes all numbers from 1100 to 9999. Most numbers are unassigned, so there is ample provision for additions to the scientific list. Unassigned numbers are scattered throughout the sequence and there is a large unassigned block at the end (8900-9979). Numbers 9980 to 9999 are special codes for stomach content analysis. The scientific list includes Phyla, Classes, Orders, Families, Genera and Species. Other taxonomic levels (e.g. Suborders) are included when deemed necessary. The common names are in most instances applicable to taxa higher than the species level, and thus are of no value in designating individual species.

The taxonomic list and code is presented in three arrangements in Appendices 1-3.

Appendix 1: Species code ordered by scientific name in taxonomic sequence.

Appendix 2: Species code ordered by scientific name in alphabetic sequence; genera and species first followed by higher taxa.

Appendix 3: Species code ordered by numerical code sequence.

All corrections and additions to this taxonomic list and code should be referred to the Scientific Records Management Committee, Fisheries Research Branch, Northwest Atlantic Fisheries Centre.

## ACKNOWLEDGMENTS

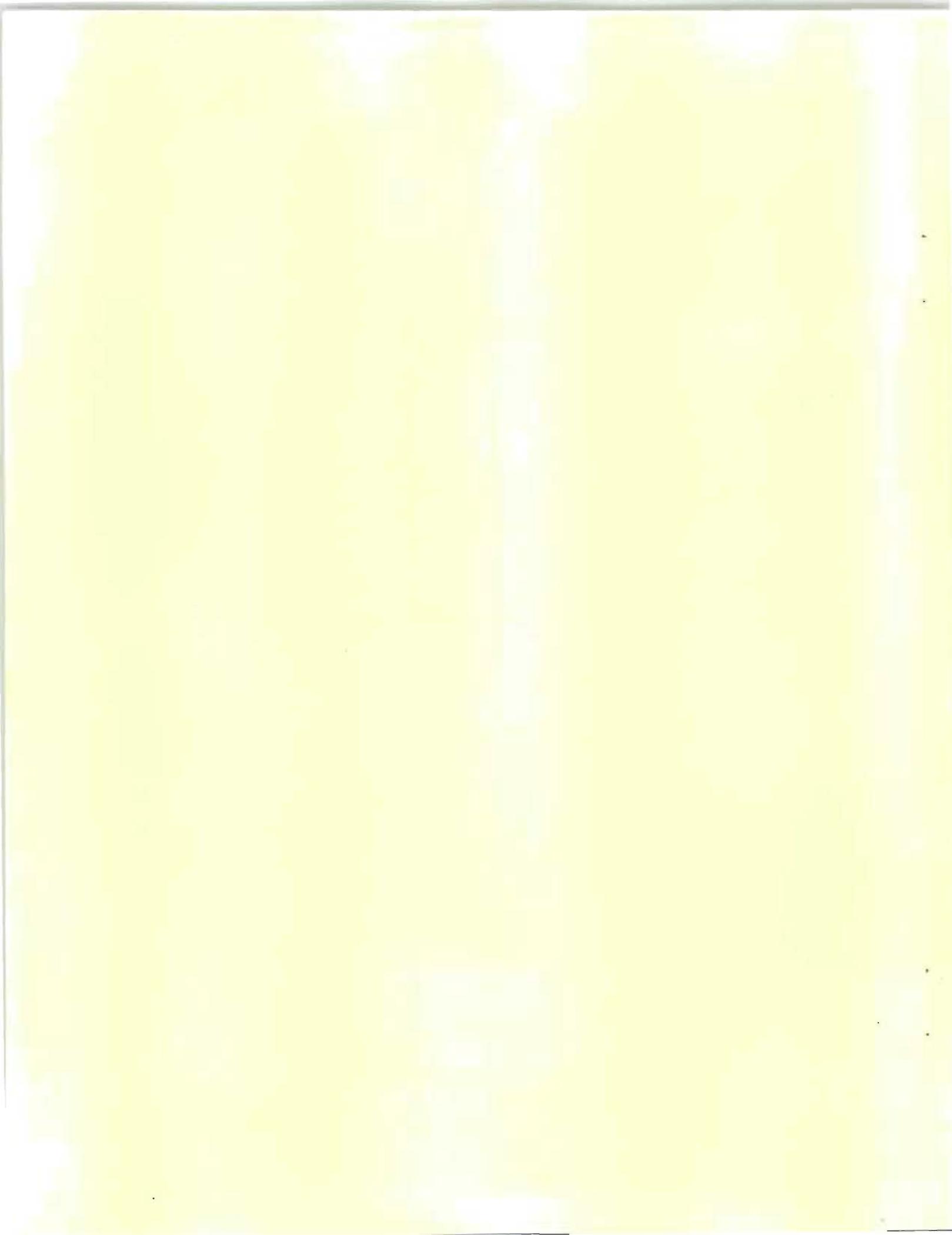
This code was established at the request of the NAFC Scientific Records Management Committee. Advice on which taxa required the assignment of codes was provided by E.G. Dawe, K.S. Naidu, D.G. Parsons and D.M. Taylor. Editorial assistance provided by L.W. Coady is appreciated.

## REFERENCE

Akenhead, S.A. and E.M. LeGrow. 1981. The vertebrates code of the Northwest Atlantic Fisheries Centre. Can. Data Rep. Fish. Aquat. Sci. 309: iv + 58 p.



APPENDIX 1: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN TAXONOMIC SEQUENCE



## APPENDIX 1: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN TAXONOMIC SEQUENCE

CODE	SCIENTIFIC NAME	COMMON NAME
1100	Invertebrata	invertebrate (NS)
1101	Porifera	sponge
1340	Cnidaria	cnidarian
1341	Hydrozoa	hydrozoan
2040	Scyphozoa	scyphozoan
2100	Anthozoa	anthozoan
2165	Actinaria	sea anemone
2250	Ctenophora	comb-jelly
2280	Platyhelminthes	flatworm
2430	Rhynchocoela	rhynchocoel
2520	Rotifera	rotifer
2570	Priapulida	priapulid
2572	<i>Priapulus</i> sp.	priapulid
2573	<i>Priapulus caudatus</i>	priapulid
2580	Nematomorpha	hairworm
2585	Nematoda	nematode
2610	Entoprocta	entoproct
2640	Chaetognatha	arrow worm
2670	Ectoprocta	bryozoan
3070	Phoronida	phoronid
3080	Brachiopoda	lamp shell
3110	Mollusca	mollusc
3111	Aplacophora	solenogaster
3125	Polyplacophora	chiton
3175	Gastropoda	gastropod
3176	Archaeogastropoda	gastropod
3235	Mesogastropoda	gastropod
3420	Naticidae	snail, moon
3480	Neogastropoda	gastropod
3515	Buccinidae	whelk
3516	<i>Buccinum</i> sp.	whelk
3565	<i>Neptunea</i> sp.	whelk
3575	<i>Colus</i> sp.	whelk
3690	Cephalaspidea	gastropod
3740	Sacoglossa	gastropod
3760	Thecosomata	pteropod
3785	Limacinidae	pteropod
3786	<i>Limacina</i> sp.	pteropod
3787	<i>Limacina helicina</i>	pteropod
3788	<i>Limacina retroversa</i>	pteropod
3820	Gymnosomata	pteropod
3830	Clionidae	pteropod
3831	<i>Clione</i> sp.	pteropod
3832	<i>Clione limacina</i>	pteropod
3850	Nudibranchia	nudibranch
3975	Scaphopoda	tusk shell
3995	Bivalvia	bivalve
3996	Protobranchia	bivalve
4100	Prionodontida	bivalve
4120	Pteroconchida	bivalve

4120	Mytilidae	mussel
4121	Mytilus sp.	mussel
4122	Mytilus edulis	mussel, blue
4135	Modiolus sp.	mussel
4136	Modiolus modiolus	mussel, horse
4155	Ostreidae	oyster
4156	Crassostrea sp.	oyster
4157	Crassostrea virginica	oyster
4160	Ostrea sp.	oyster
4161	Ostrea edulis	oyster
4165	Pectinidae	scallop
4166	Chlamys sp.	scallop
4167	Chlamys islandica	scallop, Icelandic
4171	Aequipecten sp.	scallop
4172	Aequipecten irradians	scallop
4178	Placopecten sp.	scallop
4179	Placopecten magellanicus	scallop, giant
4190	Propeamussium sp.	scallop
4191	Propeamussium groenlandicum	scallop
4225	Heterodontida	bivalve
4425	Myidae	clam
4426	Mya sp.	clam
4427	Mya arenaria	clam, soft shell
4428	Mya truncata	clam
4435	Hiatellidae	clam
4436	Hiatella sp.	clam
4437	Hiatella arctica	clam
4440	Cyrtodaria sp.	clam
4441	Cyrtodaria siliqua	clam, bank
4475	Eudesmodontida	clam
4510	Septibranchia	clam
4545	Cephalopoda	cephalopod
4547	Sepioidea	cephalopod
4548	Spirulidae	cephalopod
4549	Spirula sp.	cephalopod
4550	Spirula spirula	cephalopod
4554	Sepiolidae	cephalopod
4556	Rossinae	cephalopod
4557	Rossia sp.	cephalopod
4558	Rossia antillensis	cephalopod
4559	Rossia bullisi	cephalopod
4560	Rossia tortugaensis	cephalopod
4561	Rossia palpebrosa	cephalopod
4562	Rossia megaptera	cephalopod
4563	Rossia molleri	cephalopod
4567	Semirossia sp.	cephalopod
4568	Semirossia equalis	cephalopod
4569	Semirossia tenera	cephalopod
4575	Heteroteuthinae	cephalopod
4576	Heteroteuthis sp.	cephalopod
4577	Heteroteuthis atlantis	cephalopod
4578	Heteroteuthis dispar	cephalopod

4580	Nectoteuthis sp.	cephalopod
4581	Nectoteuthis pourtalesi	cephalopod
4585	Stoloteuthinae	cephalopod
4586	Stoloteuthis sp.	cephalopod
4587	Stoloteuthis leucoptera	cephalopod
4591	Teuthoidea	squid
4593	Myopsida	squid
4594	Loliginidae	squid
4595	Loligo sp.	squid
4596	Loligo brasiliensis	squid
4597	Loligo ocula	squid
4598	Loligo pealei	squid
4599	Loligo plei	squid
4600	Loligo roperi	squid
4601	Loligo surinamensis	squid
4604	Loliguncula sp.	squid
4605	Loliguncula brevis	squid
4607	Sepioteuthis sp.	squid
4608	Sepioteuthis sepioidea	squid
4610	Pickfordiateuthidae	squid
4611	Pickfordiateuthis sp.	squid
4612	Pickfordiateuthis pulchella	squid
4618	Oegopsida	squid
4619	Lycoteuthidae	squid
4620	Lycoteuthis sp.	squid
4621	Lycoteuthis diadema	squid
4623	Oregoniateuthis sp.	squid
4624	Oregoniateuthis lorigera	squid
4625	Oregoniateuthis springeri	squid
4627	Selenoteuthis sp.	squid
4628	Selenoteuthis scintillans	squid
4630	Lampadioteuthis sp.	squid
4631	Lampadioteuthis megaleia	squid
4633	Enoploteuthidae	squid
4634	Abralia sp.	squid
4635	Abralia redfieldi	squid
4636	Abralia veranyi	squid
4637	Abralia grimpei	squid
4639	Abraliopsis sp.	squid
4640	Abraliopsis pfefferi	squid
4642	Enoploteuthis sp.	squid
4643	Enoploteuthis anapsis	squid
4644	Enoploteuthis leptura	squid
4646	Pterygioteuthis sp.	squid
4647	Pterygioteuthis gemmata	squid
4648	Pterygioteuthis giardi	squid
4650	Pyroteuthis sp.	squid
4651	Pyroteuthis margaritifera	squid
4653	Thelidioteutnis sp.	squid
4654	Thelidioteuthis alessandrinii	squid
4660	Octopoteuthidae	squid
4661	Octopoteuthis sp.	squid

4662	<i>Octopoteuthis danae</i>	squid
4663	<i>Octopoteuthis megaptera</i>	squid
4664	<i>Octopoteuthis sicula</i>	squid
4666	<i>Taningia</i> sp.	squid
4667	<i>Taningia danae</i>	squid
4673	Onychoteuthidae	squid
4674	<i>Ancistroteuthis</i> sp.	squid
4675	<i>Ancistroteuthis lichtensteini</i>	squid
4677	<i>Onychoteuthis</i> sp.	squid
4678	<i>Onychoteuthis banksi</i>	squid
4680	<i>Onykia</i> sp.	squid
4681	<i>Onykia carribaea</i>	squid
4685	Cycloteuthidae	squid
4686	<i>Cycloteuthis</i> sp.	squid
4687	<i>Cycloteuthis sirventi</i>	squid
4689	<i>Discoteuthis</i> sp.	squid
4690	<i>Discoteuthis discus</i>	squid
4691	<i>Discoteuthis laciniosa</i>	squid
4695	Lepidoteuthidae	squid
4696	<i>Lepidoteuthis</i> sp.	squid
4697	<i>Lepidoteuthis grimaldii</i>	squid
4699	<i>Pholidoteuthis</i> sp.	squid
4700	<i>Pholidoteuthis adami</i>	squid
4702	<i>Tetronychoteuthis</i> sp.	squid
4703	<i>Tetronychoteuthis dussumieri</i>	squid
4707	Architeuthidae	squid
4708	<i>Architeuthis</i> sp.	squid
4709	<i>Architeuthis dux</i>	squid
4712	Histioteuthidae	squid
4713	<i>Histioteuthis</i> sp.	squid
4714	<i>Histioteuthis bonnelli</i>	squid
4715	<i>Histioteuthis celetaria celetaria</i>	squid
4716	<i>Histioteuthis corona corona</i>	squid
4717	<i>Histioteuthis dofleini</i>	squid
4718	<i>Histioteuthis elongata</i>	squid
4719	<i>Histioteuthis meleagroteuthis</i>	squid
4720	<i>Histioteuthis reversa</i>	squid
4727	Neoteuthidae	squid
4728	<i>Neoteuthis</i> sp.	squid
4731	Bathyteuthidae	squid
4732	<i>Bathyteuthis</i> sp.	squid
4733	<i>Bathyteuthis abyssicola</i>	squid
4735	Ctenopterygidae	squid
4736	<i>Ctenopteryx</i> sp.	squid
4737	<i>Ctenopteryx sicula</i>	squid
4741	Brachioteuthidae	squid
4742	<i>Brachioteuthis</i> sp.	squid
4743	<i>Brachioteuthis riisei</i>	squid
4744	<i>Brachioteuthis beani</i>	squid
4747	Ommastrephidae	squid
4748	<i>Hyaloteuthis</i> sp.	squid
4749	<i>Hyaloteuthis pelagica</i>	squid

4751	<i>Illex</i> sp.	squid
4752	<i>Illex coindetii</i>	squid
4753	<i>Illex illecebrosus</i>	squid, short-fin
4754	<i>Illex oxygonius</i>	squid
4756	<i>Ommastrephes</i> sp.	squid
4757	<i>Ommastrephes bartrami</i>	squid
4758	<i>Ommastrephes pteropus</i>	squid
4761	<i>Ornithoteuthis</i> sp.	squid
4762	<i>Ornithoteuthis antillarum</i>	squid
4768	Gonatidae	squid
4769	<i>Gonatus</i> sp.	squid
4770	<i>Gonatus fabricii</i>	squid, Arctic
4771	<i>Gonatus steenstrupi</i>	squid
4773	Thysanoteuthidae	squid
4774	<i>Thysanoteuthis</i> sp.	squid
4775	<i>Thysanoteuthis rhombus</i>	squid
4778	Chiroteuthidae	squid
4779	<i>Chiroteuthis</i> sp.	squid
4780	<i>Chiroteuthis lacertosa</i>	squid
4782	<i>Valbyteuthis</i> sp.	squid
4783	<i>Valbyteuthis danae</i>	squid
4786	Mastigoteuthidae	squid
4787	<i>Mastigoteuthis</i> sp.	squid
4788	<i>Mastigoteuthis agassizi</i>	squid
4789	<i>Mastigoteuthis hjorti</i>	squid
4790	<i>Mastigoteuthis magna</i>	squid
4791	<i>Mastigoteuthis grimaldii</i>	squid
4792	<i>Mastigoteuthis cordiformis</i>	squid
4798	Grimalditeuthidae	squid
4799	<i>Grimalditeuthis</i> sp.	squid
4800	<i>Grimalditeuthis bomplandi</i>	squid
4803	Joubiniteuthidae	squid
4804	<i>Joubiniteuthis</i> sp.	squid
4805	<i>Joubiniteuthis portieri</i>	squid
4808	Cranchiidae	squid
4809	<i>Bathothauma</i> sp.	squid
4810	<i>Bathothauma lyromma</i>	squid
4812	<i>Cranchia</i> sp.	squid
4813	<i>Cranchia scabra</i>	squid
4815	<i>Egea</i> sp.	squid
4816	<i>Egea inermis</i>	squid
4818	<i>Pyrogopsis</i> sp.	squid
4819	<i>Pyrogopsis lemur</i>	squid
4821	<i>Megalocranchia</i> sp.	squid
4822	<i>Megalocranchia megalops</i>	squid
4824	<i>Galiteuthis</i> sp.	squid
4825	<i>Galiteuthis armata</i>	squid
4827	<i>Teuthowenia</i> sp.	squid
4828	<i>Teuthowenia megalops</i>	squid
4830	<i>Helicocranchia</i> sp.	squid
4831	<i>Helicocranchia pfefferi</i>	squid
4833	<i>Leachia</i> sp.	squid

4834	<i>Leachia cyclura</i>	squid
4836	<i>Liocranchia</i> sp.	squid
4837	<i>Liocranchia reinhardti</i>	squid
4839	<i>Taonius</i> sp.	squid
4840	<i>Taonius pavo</i>	squid
4846	Octopoda	octopus
4847	Cirrata	octopus
4848	Cirroteuthidae	octopus
4849	<i>Cirroteuthis</i> sp.	octopus
4850	<i>Cirroteuthis mulleri</i>	octopus
4851	Stauroteuthidae	octopus
4852	<i>Stauroteuthis</i> sp.	octopus
4853	<i>Stauroteuthis syrtensis</i>	octopus
4856	Opisthoteuthidae	octopus
4857	<i>Opisthoteuthis</i> sp.	octopus
4858	<i>Opisthoteuthis agassizi</i>	octopus
4860	<i>Grimpoteuthis</i> sp.	octopus
4862	Incirrata	octopus
4863	Bolitaenidae	octopus
4864	<i>Eledonella</i> sp.	octopus
4865	<i>Eledonella pygmaea</i>	octopus
4867	<i>Japetella</i> sp.	octopus
4868	<i>Japetella diaphana</i>	octopus
4872	Alloposidae	octopus
4873	<i>Alloposus</i> sp.	octopus
4874	<i>Alloposus mollis</i>	octopus
4877	Octopodidae	octopus
4878	<i>Bathypolypus</i> sp.	octopus
4879	<i>Bathypolypus arcticus</i>	octopus
4881	<i>Benthoctopus</i> sp.	octopus
4882	<i>Benthoctopus januari</i>	octopus
4883	<i>Benthoctopus piscatorum</i>	octopus
4886	<i>Danoctopus</i> sp.	octopus
4887	<i>Danoctopus schmidtii</i>	octopus
4889	<i>Euaxoctopus</i> sp.	octopus
4890	<i>Euaxoctopus pillsburyae</i>	octopus
4894	<i>Octopus</i> sp.	octopus
4895	<i>Octopus briarius</i>	octopus
4896	<i>Octopus burryi</i>	octopus
4897	<i>Octopus defilippi</i>	octopus
4898	<i>Octopus hummelincki</i>	octopus
4899	<i>Octopus joubini</i>	octopus
4900	<i>Octopus macropus</i>	octopus
4901	<i>Octopus maya</i>	octopus
4902	<i>Octopus vulgaris</i>	octopus
4903	<i>Octopus zonatus</i>	octopus
4904	<i>Octopus bairdii</i>	octopus
4907	<i>Pteroctopus</i> sp.	octopus
4908	<i>Pteroctopus tetracirrhus</i>	octopus
4910	<i>Scaergus</i> sp.	octopus
4911	<i>Scaergus unicolor</i>	octopus
4913	<i>Graneledone</i> sp.	octopus

4914	<i>Graneledone verrucosa</i>	octopus
4916	<i>Tetracheledone</i> sp.	octopus
4917	<i>Tetracheledone spinicirrus</i>	octopus
4926	Tremoctopodidae	octopus
4927	<i>Tremoctopus</i> sp.	octopus
4928	<i>Tremoctopus gelatus</i>	octopus
4929	<i>Tremoctopus violaceus</i>	octopus
4932	Argonautidae	octopus
4933	<i>Argonauta</i> sp.	octopus
4934	<i>Argonauta argo</i>	octopus
4935	<i>Argonauta hians</i>	octopus
4936	Ocythoidea	octopus
4937	<i>Ocythoe</i> sp.	octopus
4938	<i>Ocythoe tuberculata</i>	octopus
4939	Vampyromorpha	cephalopod
4940	Vampyroteuthidae	cephalopod
4941	<i>Vampyroteuthis</i> sp.	cephalopod
4942	<i>Vampyroteuthis infernalis</i>	cephalopod
4949	Annelida	annelid
4950	Polychaeta	polychaete
5845	Oligochaeta	oligochaete
5875	Hirudinea	leech
5900	Sipunculida	sipunculid
5930	Echiurida	echiurid
5950	Arthropoda	arthropod
5951	Pycnogonida	sea spider
6000	Crustacea	crustacean
6005	Cladocera	water flea
6020	Ostracoda	ostracod
6080	Copepoda	copepod
6081	Calanoida	copepod, calanoid
6580	Cirripedia	barnacle
6610	Nebaliacea	nebaliacean
6620	Cumacea	cumacean
6720	Tanaidacea	tanaid
6760	Isopoda	isopod
6815	Valvifera	isopod
6816	Idoteidae	isopod
6817	<i>Idotea</i> sp.	isopod
6818	<i>Idotea balthica</i>	isopod
6819	<i>Idotea phosphorea</i>	isopod
6930	Amphipoda	amphipod
6931	Hyperiidea	hyperiid (suborder)
6960	Hyperiididae	hyperiid (family)
6967	<i>Parathemisto</i> sp.	hyperiid
6976	<i>Hyperia</i> sp.	hyperiid
6977	<i>Hyperia galba</i>	hyperiid
6978	<i>Hyperia medusarum</i>	hyperiid
6980	Gammaridea	gammarid (suborder)
7880	Caprellidea	caprellid
7882	<i>Stilomysis</i> sp.	mysid
7925	Mysidacea	mysid

7926	Lophogastridae	mysid
7927	Gnathophausia sp.	mysid
7929	Eucopiidae	mysid
7930	Eucopia sp.	mysid
7932	Mysidae	mysid
7933	Boreomysis sp.	mysid
7934	Boreomysis tridens	mysid
7935	Boreomysis arctica	mysid
7936	Boreomysis nobilis	mysid
7940	Erythrops sp.	mysid
7941	Erythrops erythropthalma	mysid
7942	Erythrops abyssorum	mysid
7943	Erythrops microps	mysid
7946	Meterythrops sp.	mysid
7947	Meterythrops robusta	mysid
7950	Amblyops sp.	mysid
7951	Amblyops kempii	mysid
7952	Amblyops abbreviata	mysid
7957	Pseudomma sp.	mysid
7958	Pseudomma affine	mysid
7959	Pseudomma truncatum	mysid
7960	Pseudomma roseum	mysid
7963	Mysidetes sp.	mysid
7964	Mysidetes farrani	mysid
7967	Mysis sp.	mysid
7968	Mysis polaris	mysid
7969	Mysis gaspensis	mysid
7970	Mysis oculata	mysid
7971	Mysis litoralis	mysid
7972	Mysis mixta	mysid
7973	Mysis stenolepis	mysid
7978	Praunus sp.	mysid
7979	Praunus flexuosus	mysid
7983	Stilomysis grandis	mysid
7985	Neomysis sp.	mysid
7986	Neomysis americana	mysid
7988	Heteromysis sp.	mysid
7989	Heteromysis formosa	mysid
7991	Euphausiacea	euphausiid
7993	Meganyctiphanes sp.	euphausiid
7994	Meganyctiphanes norvegica	euphausiid
7996	Euphausia sp.	euphausiid
7997	Euphausia krohni	euphausiid
7998	Euphausia brevis	euphausiid
8000	Thysanoessa sp.	euphausiid
8001	Thysanoessa inermis	euphausiid
8002	Thysanoessa raschi	euphausiid
8003	Thysanoessa longicaudata	euphausiid
8004	Thysanoessa gregaria	euphausiid
8007	Nematoscelis sp.	euphausiid
8008	Nematoscelis megalops	euphausiid
8011	Stylocheiron sp.	euphausiid

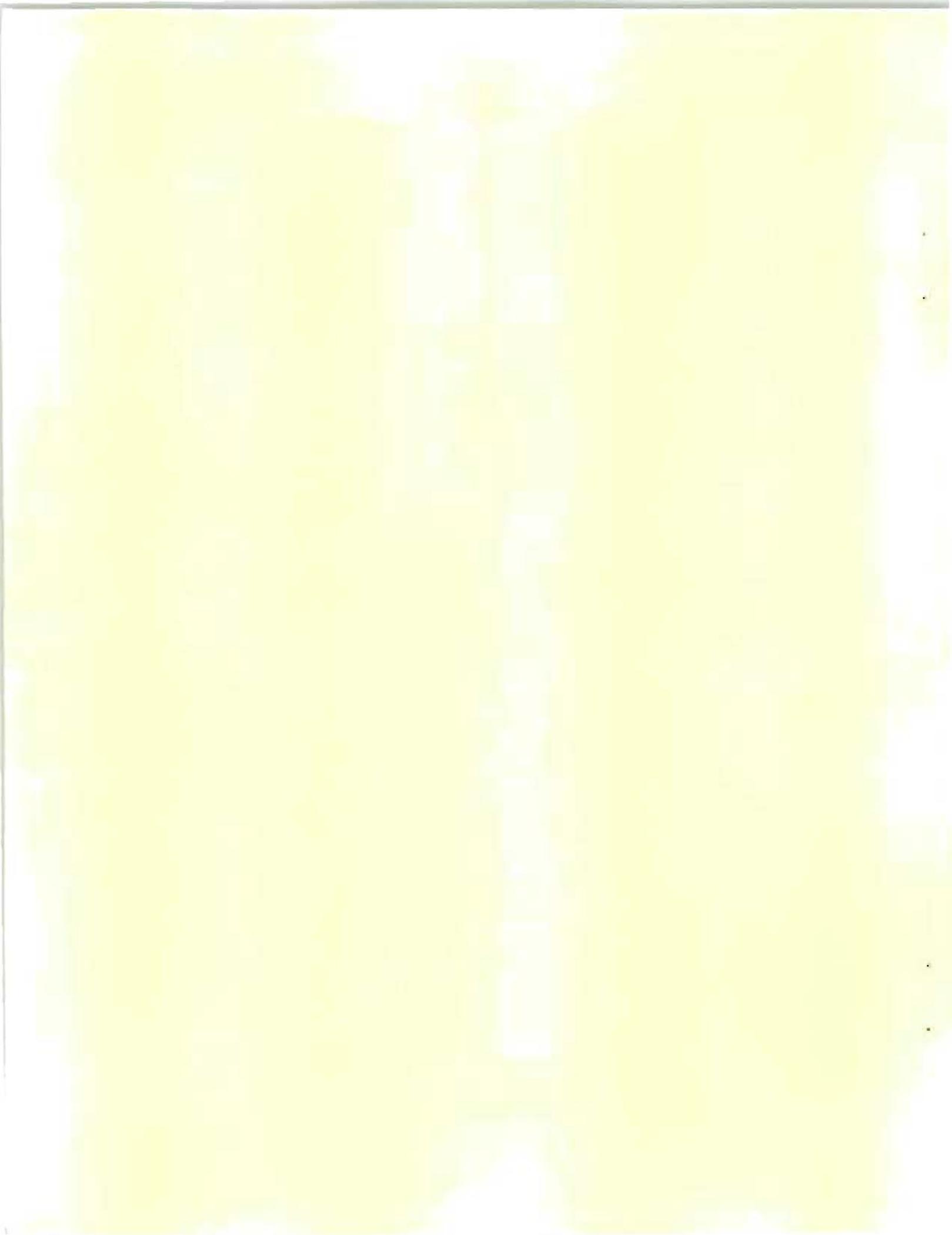
8012	<i>Stylocheiron longicorne</i>	euphausiid
8014	<i>Thysanopoda</i> sp.	euphausiid
8015	<i>Thysanopoda acutifrons</i>	euphausiid
8016	<i>Nyctiphanes</i> sp.	euphausiid
8017	<i>Nyctiphanes couchii</i>	euphausiid
8019	Decapoda	decapod, crustacean
8020	Natantia	shrimp
8021	Penaeidea	shrimp
8022	Penaeidae	shrimp
8023	<i>Plesiopenaeus</i> sp.	shrimp
8024	<i>Plesiopenaeus edwardsianus</i>	shrimp
8026	<i>Gennadas</i> sp.	shrimp
8027	<i>Gennadas elegans</i>	shrimp
8031	Sergestidae	shrimp
8032	<i>Sergestes</i> sp.	shrimp
8033	<i>Sergestes arcticus</i>	shrimp
8037	Caridea	shrimp
8038	Oplophoridae	shrimp
8039	<i>AcanthePHYra</i> sp.	shrimp
8040	<i>AcanthePHYra pelagica</i>	shrimp
8041	<i>AcanthePHYra purpurea</i>	shrimp
8044	<i>Hymenodora</i> sp.	shrimp
8045	<i>Hymenodora glacialis</i>	shrimp
8049	Nematocarcinidae	shrimp
8050	<i>Nematocarcinus</i> sp.	shrimp
8051	<i>Nematocarcinus ensifer</i>	shrimp
8054	Pasiphaeidae	shrimp
8055	<i>Pasiphaea</i> sp.	shrimp
8056	<i>Pasiphaea tarda</i>	shrimp
8057	<i>Pasiphaea multidentata</i>	shrimp
8058	<i>Pasiphaea princeps</i>	shrimp
8062	Palaemonidae	shrimp
8063	<i>Palaemonetes</i> sp.	shrimp
8064	<i>Palaemonetes pugio</i>	shrimp
8065	<i>Palaemonetes vulgaris</i>	shrimp
8069	Hippolytidae	shrimp
8070	<i>Bythocaris</i> sp.	shrimp
8071	<i>Bythocaris payeri</i>	shrimp
8074	<i>Eualus</i> sp.	shrimp
8075	<i>Eualus fabricii</i>	shrimp
8076	<i>Eualus pusiolus</i>	shrimp
8077	<i>Eualus macilentus</i>	shrimp
8078	<i>Eualus stoneyi</i>	shrimp
8079	<i>Eualus gaimardii</i>	shrimp
8080	<i>Eualus gaimardii gaimardii</i>	shrimp
8081	<i>Eualus gaimardii belcheri</i>	shrimp
8084	<i>Spirontocaris</i> sp.	shrimp
8085	<i>Spirontocaris spinus</i>	shrimp
8086	<i>Spirontocaris phippi</i>	shrimp
8087	<i>Spirontocaris lilljeborgi</i>	shrimp
8091	<i>Lebbeus</i> sp.	shrimp
8092	<i>Lebbeus groenlandicus</i>	shrimp

8093	Lebbeus polaris	shrimp
8094	Lebbeus zebra	shrimp
8095	Lebbeus microceros	shrimp
8099	Caridion sp.	shrimp
8100	Caridion gordonii	shrimp
8102	Latreutes sp.	shrimp
8103	Latreutes fucorum	shrimp
8106	Pandalidae	shrimp
8107	Dichelopandalus sp.	shrimp
8108	Dichelopandalus leptocerus	shrimp
8110	Pandalus sp.	shrimp
8111	Pandalus borealis	shrimp
8112	Pandalus montagui	shrimp
8113	Pandalus propinquus	shrimp
8117	Crangonidae	shrimp
8118	Sclerocrangon sp.	shrimp
8119	Sclerocrangon boreas	shrimp
8120	Sclerocrangon ferox	shrimp
8124	Crangon sp.	shrimp
8125	Crangon septemspinosa	shrimp
8127	Sabinea sp.	shrimp
8128	Sabinea septemcarinata	shrimp
8129	Sabinea sarsi	shrimp
8130	Sabinea hystrix	shrimp
8134	Pontophilus sp.	shrimp
8135	Pontophilus norvegicus	shrimp
8137	Argis sp.	shrimp
8138	Argis dentata	shrimp
8140	Reptantia	malacostracan
8141	Macrura	malacostracan
8143	Polychelidae	malacostracan
8144	Stereomastis sp.	malacostracan
8145	Stereomastis sculpta	malacostracan
8149	Polycheles sp.	malacostracan
8150	Polycheles granulatus	malacostracan
8152	Nephropsidae	lobster
8153	Homarus sp.	lobster
8154	Homarus americanus	lobster
8157	Anomura	malacostracan
8158	Galatheiidae	malacostracan
8159	Munida sp.	malacostracan
8160	Munida tenuimana	malacostracan
8163	Munidopsis sp.	malacostracan
8164	Munidopsis curvirostra	malacostracan
8167	Axiidae	malacostracan
8168	Axius sp.	malacostracan
8169	Axius serratus	malacostracan
8172	Calocaris sp.	malacostracan
8173	Calocaris templemani	malacostracan
8174	Calocaris macandreae	malacostracan
8177	Paguridae	hermit crab
8178	Pagurus sp.	hermit crab

8179	Pagurus acadianus	hermit crab
8180	Pagurus pubescens	hermit crab
8181	Pagurus politus	hermit crab
8182	Pagurus arcuatus	hermit crab
8183	Pagurus kroyeri	hermit crab
8184	Pagurus longicarpus	hermit crab
8190	Parapaguridae	hermit crab
8191	Parapagurus sp.	hermit crab
8192	Parapagurus pilosimanus	hermit crab
8194	Lithodidae	spiny crab
8195	Lithodes sp.	spiny crab
8196	Lithodes maja	spiny crab
8199	Neolithodes sp.	spiny crab
8200	Neolithodes grimaldii	spiny crab, red
8203	Brachyura	crab
8204	Cancridae	crab
8205	Cancer sp.	crab
8206	Cancer irroratus	crab
8207	Cancer borealis	crab
8211	Majidae	crab, spider
8212	Chionoecetes sp.	crab
8213	Chionoecetes opilio	crab, snow or queen
8216	Hyas sp.	crab, toad
8217	Hyas araneus	crab, toad
8218	Hyas coarctatus	crab, toad
8221	Libinia sp.	crab
8222	Libinia emarginata	crab
8223	Libinia dubia	crab
8226	Pelia sp.	crab
8227	Pelia mutica	crab
8230	Portunidae	crab
8231	Carcinus sp.	crab
8232	Carcinus maenas	crab
8234	Ovalipes sp.	crab
8235	Ovalipes ocellatus	crab
8238	Portunus sp.	crab
8239	Portunus sayi	crab
8242	Xanthidae	crab
8243	Neopanope sp.	crab
8244	Neopanope sayi	crab
8246	Rhithropanopeus sp.	crab
8247	Rhithropanopeus harrisi	crab
8250	Geryonidae	crab
8251	Geryon sp.	crab
8252	Geryon quiquedens	crab
8256	Grapsidae	crab
8257	Planes sp.	crab
8258	Planes minutus	crab
8260	Echinodermata	echinoderm
8261	Crinoidea	feather star
8290	Holothuroidea	sea cucumber
8291	Dendrochirotida	sea cucumber

8292	Psolidae	sea cucumber
8293	<i>Psolus</i> sp.	sea cucumber
8294	<i>Psolus phantapus</i>	sea cucumber
8295	<i>Psolus fabricii</i>	sea cucumber
8310	Cucumariidae	sea cucumber
8311	<i>Cucumaria</i> sp.	sea cucumber
8312	<i>Cucumaria frondosa</i>	sea cucumber
8360	Echinoidea	sea urchin
8361	Echinoidea	sea urchin
8362	Strongylocentrotidae	sea urchin
8363	<i>Strongylocentrotus</i> sp.	sea urchin
8364	<i>Strongylocentrotus droebachiensis</i>	sea urchin
8365	<i>Strongylocentrotus pallidus</i>	sea urchin
8370	Clypeasteroidea	sand dollar
8371	Echinarachnidae	sand dollar
8372	<i>Echinarachnius</i> sp.	sand dollar
8373	<i>Echinarachnius parma</i>	sand dollar
8390	Asteroidea	sea star
8530	Ophiuroidea	brittle star
8600	Hemichordata	acorn worm
8660	Pogonophora	pogonophore
8679	Chordata	chordate
8680	Ascidiacea	tunicate, sessile
8830	Thaliacea	tunicate, pelagic
8831	Doliolida	doliolid
8840	Salpida	salp
8860	Larvacea	appendicularian
9980		unidentified material
9981		sand
9982		stone
9984		eggs, fish (spawn)
9985		eggs, invertebrate
9987		plant material or seaweed
9990		gelatinous zooplankton
9991		gephyraea
9993		bait
9994		offal, fish
9995		offal, other
9997		everted
9998		empty

APPENDIX 2: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN ALPHABETIC SEQUENCE;  
GENERA AND SPECIES FIRST FOLLOWED BY HIGHER TAXA



APPENDIX 2: SPECIES CODE ORDERED BY SCIENTIFIC NAME IN ALPHABETIC SEQUENCE;  
 GENERA AND SPECIES FIRST FOLLOWED BY HIGHER TAXA

CODE	SCIENTIFIC NAME	COMMON NAME
4634	<i>Abralia</i> sp.	squid
4637	<i>Abralia grimpei</i>	squid
4635	<i>Abralia redfieldi</i>	squid
4636	<i>Abralia veranyi</i>	squid
4639	<i>Abraliopsis</i> sp.	squid
4640	<i>Abraliopsis pfefferi</i>	squid
8039	<i>Acanthephyra</i> sp.	shrimp
8040	<i>Acanthephyra pelagica</i>	shrimp
8041	<i>Acanthephyra purpurea</i>	shrimp
4171	<i>Aequipecten</i> sp.	scallop
4172	<i>Aequipecten irradians</i>	scallop
4873	<i>Alloposus</i> sp.	octopus
4874	<i>Alloposus mollis</i>	octopus
7950	<i>Amblyops</i> sp.	mysid
7952	<i>Amblyops abbreviata</i>	mysid
7951	<i>Amblyops kempii</i>	mysid
4674	<i>Ancistroteuthis</i> sp.	squid
4675	<i>Ancistroteuthis lichtensteini</i>	squid
4708	<i>Architeuthis</i> sp.	squid
4709	<i>Architeuthis dux</i>	squid
8137	<i>Argis</i> sp.	shrimp
8138	<i>Argis dentata</i>	shrimp
4933	<i>Argonauta</i> sp.	octopus
4934	<i>Argonauta argo</i>	octopus
4935	<i>Argonauta hians</i>	octopus
8168	<i>Axius</i> sp.	malacostracan
8169	<i>Axius serratus</i>	malacostracan
4809	<i>Bathothauma</i> sp.	squid
4810	<i>Bathothauma lyromma</i>	squid
4878	<i>Bathypolypus</i> sp.	octopus
4879	<i>Bathypolypus arcticus</i>	octopus
4732	<i>Bathyteuthis</i> sp.	squid
4733	<i>Bathyteuthis abyssicola</i>	squid
4881	<i>Benthoctopus</i> sp.	octopus
4882	<i>Benthoctopus januari</i>	octopus
4883	<i>Benthoctopus piscatorum</i>	octopus
7933	<i>Boreomysis</i> sp.	mysid
7935	<i>Boreomysis arctica</i>	mysid
7936	<i>Boreomysis nobilis</i>	mysid
7934	<i>Boreomysis tridens</i>	mysid
4742	<i>Brachioteuthis</i> sp.	squid
4744	<i>Brachioteuthis beani</i>	squid
4743	<i>Brachioteuthis riisei</i>	squid
3516	<i>Buccinum</i> sp.	whelk
8070	<i>Bythocaris</i> sp.	shrimp
8071	<i>Bythocaris payeri</i>	shrimp
8172	<i>Calocaris</i> sp.	malacostracan
8174	<i>Calocaris macandreae</i>	malacostracan
8173	<i>Calocaris templemani</i>	malacostracan

8205	<i>Cancer</i> sp.	crab
8207	<i>Cancer borealis</i>	crab
8206	<i>Cancer irroratus</i>	crab
8231	<i>Carcinus</i> sp.	crab
8232	<i>Carcinus maenas</i>	crab
8099	<i>Caridion</i> sp.	shrimp
8100	<i>Caridion gordonii</i>	shrimp
8212	<i>Chionoecetes</i> sp.	crab
8213	<i>Chionoecetes opilio</i>	crab, snow or queen
4779	<i>Chiroteuthis</i> sp.	squid
4780	<i>Chiroteuthis lacertosa</i>	squid
4166	<i>Chlamys</i> sp.	scallop
4167	<i>Chlamys islandica</i>	scallop, Icelandic
4849	<i>Cirroteuthis</i> sp.	octopus
4850	<i>Cirroteuthis mulleri</i>	octopus
3831	<i>Clione</i> sp.	pteropod
3832	<i>Clione limacina</i>	pteropod
3575	<i>Colus</i> sp.	whelk
4812	<i>Cranchia</i> sp.	squid
4813	<i>Cranchia scabra</i>	squid
8125	<i>Crangon septemspinosa</i>	shrimp
8124	<i>Crangon</i> sp.	shrimp
4156	<i>Crassostrea</i> sp.	oyster
4157	<i>Crassostrea virginica</i>	oyster
4736	<i>Ctenopteryx</i> sp.	squid
4737	<i>Ctenopteryx sicula</i>	squid
8311	<i>Cucumaria</i> sp.	sea cucumber
8312	<i>Cucumaria frondosa</i>	sea cucumber
4686	<i>Cycloteuthis</i> sp.	squid
4687	<i>Cycloteuthis sirventi</i>	squid
4440	<i>Cyrtodaria</i> sp.	clam
4441	<i>Cyrtodaria siliqua</i>	clam, bank
4886	<i>Danoctopus</i> sp.	octopus
4887	<i>Danoctopus schmidtii</i>	octopus
8107	<i>Dichelopandalus</i> sp.	shrimp
8108	<i>Dichelopandalus leptocerus</i>	shrimp
4689	<i>Discoteuthis</i> sp.	squid
4690	<i>Discoteuthis discus</i>	squid
4691	<i>Discoteuthis laciniosa</i>	squid
8372	<i>Echinarachnius</i> sp.	sand dollar
8373	<i>Echinarachnius parma</i>	sand dollar
4815	<i>Egea</i> sp.	squid
4816	<i>Egea inermis</i>	squid
4864	<i>Eledonella</i> sp.	octopus
4865	<i>Eledonella pygmaea</i>	octopus
4642	<i>Enoploteuthis</i> sp.	squid
4643	<i>Enoploteuthis anapsis</i>	squid
4644	<i>Enoploteuthis leptura</i>	squid
7940	<i>Erythrops</i> sp.	mysid
7942	<i>Erythrops abyssorum</i>	mysid
7941	<i>Erythrops erythrophthalma</i>	mysid
7943	<i>Erythrops microps</i>	mysid

8074	<i>Eualus</i> sp.	shrimp
8075	<i>Eualus fabricii</i>	shrimp
8079	<i>Eualus gaimardii</i>	shrimp
8081	<i>Eualus gaimardii belcheri</i>	shrimp
8080	<i>Eualus gaimardii gaimardii</i>	shrimp
8077	<i>Eualus macilentus</i>	shrimp
8076	<i>Eualus pusiolus</i>	shrimp
8078	<i>Eualus stoneyi</i>	shrimp
4889	<i>Euaxoctopus</i> sp.	octopus
4890	<i>Euaxoctopus pillsburyae</i>	octopus
7930	<i>Eucopia</i> sp.	mysid
7996	<i>Euphausia</i> sp.	euphausiid
7998	<i>Euphausia brevis</i>	euphausiid
7997	<i>Euphausia krohni</i>	euphausiid
4824	<i>Galiteuthis</i> sp.	squid
4825	<i>Galiteuthis armata</i>	squid
8026	<i>Gennadas</i> sp.	shrimp
8027	<i>Gennadas elegans</i>	shrimp
8251	<i>Geryon</i> sp.	crab
8252	<i>Geryon quiquedens</i>	crab
7927	<i>Gnathophausia</i> sp.	mysid
4769	<i>Gonatus</i> sp.	squid
4770	<i>Gonatus fabricii</i>	squid, Arctic
4771	<i>Gonatus steenstrupi</i>	squid
4913	<i>Graneledone</i> sp.	octopus
4914	<i>Graneledone verrucosa</i>	octopus
4799	<i>Grimalditeuthis</i> sp.	squid
4800	<i>Grimalditeuthis bomplandi</i>	squid
4860	<i>Grimpoteuthis</i> sp.	octopus
4830	<i>Helicocranchia</i> sp.	squid
4831	<i>Helicocranchia pfefferi</i>	squid
7988	<i>Heteromysis</i> sp.	mysid
7989	<i>Heteromysis formosa</i>	mysid
4576	<i>Heteroteuthis</i> sp.	cephalopod
4577	<i>Heteroteuthis atlantis</i>	cephalopod
4578	<i>Heteroteuthis dispar</i>	cephalopod
4436	<i>Hiatella</i> sp.	clam
4437	<i>Hiatella arctica</i>	clam
4713	<i>Histioteuthis</i> sp.	squid
4714	<i>Histioteuthis bonnelli</i>	squid
4715	<i>Histioteuthis celetaria celetaria</i>	squid
4716	<i>Histioteuthis corona corona</i>	squid
4717	<i>Histioteuthis dofleini</i>	squid
4718	<i>Histioteuthis elongata</i>	squid
4719	<i>Histioteuthis meleagroteuthis</i>	squid
4720	<i>Histioteuthis reversa</i>	squid
8153	<i>Homarus</i> sp.	lobster
8154	<i>Homarus americanus</i>	lobster
4748	<i>Hyaloteuthis</i> sp.	squid
4749	<i>Hyaloteuthis pelagica</i>	squid
8216	<i>Hyas</i> sp.	crab, toad
8217	<i>Hyas araneus</i>	crab, toad

8218	<i>Hyas coarctatus</i>	crab, toad
8044	<i>Hymenodora</i> sp.	shrimp
8045	<i>Hymenodora glacialis</i>	shrimp
6976	<i>Hyperia</i> sp.	hyperiid
6977	<i>Hyperia galba</i>	hyperiid
6978	<i>Hyperia medusarum</i>	hyperiid
4751	<i>Illex</i> sp.	squid
4752	<i>Illex coindetii</i>	squid
4753	<i>Illex illecebrosus</i>	squid, short-fin
4754	<i>Illex oxygonius</i>	squid
4867	<i>Japetella</i> sp.	octopus
4868	<i>Japetella diaphana</i>	octopus
4804	<i>Joubiniteuthis</i> sp.	squid
4805	<i>Joubiniteuthis portieri</i>	squid
4630	<i>Lampadioteuthis</i> sp.	squid
4631	<i>Lampadioteuthis megaleia</i>	squid
8102	<i>Latreutes</i> sp.	shrimp
8103	<i>Latreutes fucorum</i>	shrimp
4833	<i>Leachia</i> sp.	squid
4834	<i>Leachia cyclura</i>	squid
8091	<i>Lebbeus</i> sp.	shrimp
8092	<i>Lebbeus groenlandicus</i>	shrimp
8095	<i>Lebbeus microceros</i>	shrimp
8093	<i>Lebbeus polaris</i>	shrimp
8094	<i>Lebbeus zebra</i>	shrimp
4696	<i>Lepidoteuthis</i> sp.	squid
4697	<i>Lepidoteuthis grimaldii</i>	squid
8221	<i>Libinia</i> sp.	crab
8223	<i>Libinia dubia</i>	crab
8222	<i>Libinia emarginata</i>	crab
3786	<i>Limacina</i> sp.	pteropod
3787	<i>Limacina helicina</i>	pteropod
3788	<i>Limacina retroversa</i>	pteropod
4836	<i>Liocranchia</i> sp.	squid
4837	<i>Liocranchia reinhardti</i>	squid
8195	<i>Lithodes</i> sp.	spiny crab
8196	<i>Lithodes maja</i>	spiny crab
4595	<i>Loligo</i> sp.	squid
4596	<i>Loligo brasiliensis</i>	squid
4597	<i>Loligo ocula</i>	squid
4598	<i>Loligo pealei</i>	squid
4599	<i>Loligo plei</i>	squid
4600	<i>Loligo roperi</i>	squid
4601	<i>Loligo surinamensis</i>	squid
4604	<i>Loliguncula</i> sp.	squid
4605	<i>Loliguncula brevis</i>	squid
4620	<i>Lycoteuthis</i> sp.	squid
4621	<i>Lycoteuthis diadema</i>	squid
4787	<i>Mastigoteuthis</i> sp.	squid
4788	<i>Mastigoteuthis agassizi</i>	squid
4792	<i>Mastigoteuthis cordiformis</i>	squid
4791	<i>Mastigoteuthis grimaldii</i>	squid

4789	<i>Mastigoteuthis hjorti</i>	squid
4790	<i>Mastigoteuthis magna</i>	squid
4821	<i>Megalocranchia</i> sp.	squid
4822	<i>Megalocranchia megalops</i>	squid
7993	<i>Meganyctiphanes</i> sp.	euphausiid
7994	<i>Meganyctiphanes norvegica</i>	euphausiid
7946	<i>Meterythropus</i> sp.	mysid
7947	<i>Meterythropus robusta</i>	mysid
4135	<i>Modiolus</i> sp.	mussel
4136	<i>Modiolus modiolus</i>	mussel, horse
8159	<i>Munida</i> sp.	malacostracan
8160	<i>Munida tenuimana</i>	malacostracan
8163	<i>Munidopsis</i> sp.	malacostracan
8164	<i>Munidopsis curvirostra</i>	malacostracan
4426	<i>Mya</i> sp.	clam
4427	<i>Mya arenaria</i>	clam, soft shell
4428	<i>Mya truncata</i>	clam
7963	<i>Mysidetes</i> sp.	mysid
7964	<i>Mysidetes farrani</i>	mysid
7967	<i>Mysis</i> sp.	mysid
7969	<i>Mysis gaspensis</i>	mysid
7971	<i>Mysis litoralis</i>	mysid
7972	<i>Mysis mixta</i>	mysid
7970	<i>Mysis oculata</i>	mysid
7968	<i>Mysis polaris</i>	mysid
7973	<i>Mysis stenolepis</i>	mysid
4121	<i>Mytilus</i> sp.	mussel
4122	<i>Mytilus edulis</i>	mussel, blue
4580	<i>Nectoteuthis</i> sp.	cephalopod
4581	<i>Nectoteuthis pourtalesi</i>	cephalopod
8050	<i>Nematocarcinus</i> sp.	shrimp
8051	<i>Nematocarcinus ensifer</i>	shrimp
8007	<i>Nematoscelis</i> sp.	euphausiid
8008	<i>Nematoscelis megalops</i>	euphausiid
8199	<i>Neolithodes</i> sp.	spiny crab
8200	<i>Neolithodes grimaldii</i>	spiny crab, red
7985	<i>Neomysis</i> sp.	mysid
7986	<i>Neomysis americana</i>	mysid
8243	<i>Neopanope</i> sp.	crab
8244	<i>Neopanope sayi</i>	crab
4728	<i>Neoteuthis</i> sp.	squid
3565	<i>Neptunea</i> sp.	whelk
8016	<i>Nyctiphanes</i> sp.	euphausiid
8017	<i>Nyctiphanes couchii</i>	euphausiid
4661	<i>Octopoteuthis</i> sp.	squid
4662	<i>Octopoteuthis danae</i>	squid
4663	<i>Octopoteuthis megaptera</i>	squid
4664	<i>Octopoteuthis sicula</i>	squid
4894	<i>Octopus</i> sp.	octopus
4904	<i>Octopus bairdii</i>	octopus
4895	<i>Octopus briarius</i>	octopus
4896	<i>Octopus burryi</i>	octopus

4897	<i>Octopus defilippi</i>	octopus
4898	<i>Octopus hummelincki</i>	octopus
4899	<i>Octopus joubini</i>	octopus
4900	<i>Octopus macropus</i>	octopus
4901	<i>Octopus maya</i>	octopus
4902	<i>Octopus vulgaris</i>	octopus
4903	<i>Octopus zonatus</i>	octopus
4937	<i>Ocythoe</i> sp.	octopus
4938	<i>Ocythoe tuberculata</i>	octopus
4756	<i>Ommastrephes</i> sp.	squid
4757	<i>Ommastrephes bartrami</i>	squid
4758	<i>Ommastrephes pteropus</i>	squid
4677	<i>Onychoteuthis</i> sp.	squid
4678	<i>Onychoteuthis banksi</i>	squid
4680	<i>Onykia</i> sp.	squid
4681	<i>Onykia carribaea</i>	squid
4857	<i>Opisthoteuthis</i> sp.	octopus
4858	<i>Opisthoteuthis agassizi</i>	octopus
4623	<i>Oregoniateuthis</i> sp.	squid
4624	<i>Oregoniateuthis lorigera</i>	squid
4625	<i>Oregoniateuthis springeri</i>	squid
4761	<i>Ornithoteuthis</i> sp.	squid
4762	<i>Ornithoteuthis antillarum</i>	squid
4160	<i>Ostrea</i> sp.	oyster
4161	<i>Ostrea edulis</i>	oyster
8234	<i>Ovalipes</i> sp.	crab
8235	<i>Ovalipes ocellatus</i>	crab
8178	<i>Pagurus</i> sp.	hermit crab
8179	<i>Pagurus acadianus</i>	hermit crab
8182	<i>Pagurus arcuatus</i>	hermit crab
8183	<i>Pagurus kroyeri</i>	hermit crab
8184	<i>Pagurus longicarpus</i>	hermit crab
8181	<i>Pagurus politus</i>	hermit crab
8180	<i>Pagurus pubescens</i>	hermit crab
8063	<i>Palaemonetes</i> sp.	shrimp
8064	<i>Palaemonetes pugio</i>	shrimp
8065	<i>Palaemonetes vulgaris</i>	shrimp
8110	<i>Pandalus</i> sp.	shrimp
8111	<i>Pandalus borealis</i>	shrimp
8112	<i>Pandalus montagui</i>	shrimp
8113	<i>Pandalus propinquus</i>	shrimp
8191	<i>Parapagurus</i> sp.	hermit crab
8192	<i>Parapagurus pilosimanus</i>	hermit crab
6967	<i>Parathemisto</i> sp.	hyperiid
8055	<i>Pasiphaea</i> sp.	shrimp
8057	<i>Pasiphaea multidentata</i>	shrimp
8058	<i>Pasiphaea princeps</i>	shrimp
8056	<i>Pasiphaea tarda</i>	shrimp
8226	<i>Pelia</i> sp.	crab
8227	<i>Pelia mutica</i>	crab
4699	<i>Pholidoteuthis</i> sp.	squid
4700	<i>Pholidoteuthis adami</i>	squid

4611	<i>Pickfordiateuthis</i> sp.	squid
4612	<i>Pickfordiateuthis pulchella</i>	squid
4178	<i>Placopecten</i> sp.	scallop
4179	<i>Placopecten magellanicus</i>	scallop, giant
8257	<i>Planes</i> sp.	crab
8258	<i>Planes minutus</i>	crab
8023	<i>Plesiopenaeus</i> sp.	shrimp
8024	<i>Plesiopenaeus edwardsianus</i>	shrimp
8149	<i>Polycheles</i> sp.	malacostracan
8150	<i>Polycheles granulatus</i>	malacostracan
8134	<i>Pontophilus</i> sp.	shrimp
8135	<i>Pontophilus norvegicus</i>	shrimp
8238	<i>Portunus</i> sp.	crab
8239	<i>Portunus sayi</i>	crab
7978	<i>Praunus</i> sp.	mysid
7979	<i>Praunus flexuosus</i>	mysid
2572	<i>Priapulus</i> sp.	priapulid
2573	<i>Priapulus caudatus</i>	priapulid
4190	<i>Propeamussium</i> sp.	scallop
4191	<i>Propeamussium groenlandicum</i>	scallop
7957	<i>Pseudomma</i> sp.	mysid
7958	<i>Pseudomma affine</i>	mysid
7960	<i>Pseudomma roseum</i>	mysid
7959	<i>Pseudomma truncatum</i>	mysid
8293	<i>Psolus</i> sp.	sea cucumber
8295	<i>Psolus fabricii</i>	sea cucumber
8294	<i>Psolus phantapus</i>	sea cucumber
4907	<i>Pteroctopus</i> sp.	octopus
4908	<i>Pteroctopus tetracirrhus</i>	octopus
4646	<i>Pterygioteuthis</i> sp.	squid
4647	<i>Pterygioteuthis gemmata</i>	squid
4648	<i>Pterygioteuthis giardi</i>	squid
4818	<i>Pyrogopsis</i> sp.	squid
4819	<i>Pyrogopsis lemur</i>	squid
4650	<i>Pyroteuthis</i> sp.	squid
4651	<i>Pyroteuthis margaritifera</i>	squid
8246	<i>Rhithropanopeus</i> sp.	crab
8247	<i>Rhithropanopeus harrisi</i>	crab
4557	<i>Rossia</i> sp.	cephalopod
4558	<i>Rossia antillensis</i>	cephalopod
4559	<i>Rossia bullisi</i>	cephalopod
4562	<i>Rossia megaptera</i>	cephalopod
4563	<i>Rossia molleri</i>	cephalopod
4561	<i>Rossia palpebrosa</i>	cephalopod
4560	<i>Rossia tortugaensis</i>	cephalopod
8127	<i>Sabinea</i> sp.	shrimp
8130	<i>Sabinea hystrix</i>	shrimp
8129	<i>Sabinea sarsi</i>	shrimp
8128	<i>Sabinea septemcarinata</i>	shrimp
4910	<i>Scaergus</i> sp.	octopus
4911	<i>Scaergus unircirrhus</i>	octopus
8118	<i>Sclerocrangon</i> sp.	shrimp

8119	<i>Sclerocrangon boreas</i>	shrimp
8120	<i>Sclerocrangon ferox</i>	shrimp
4627	<i>Selenoteuthis</i> sp.	squid
4628	<i>Selenoteuthis scintillans</i>	squid
4567	<i>Semirossia</i> sp.	cephalopod
4568	<i>Semirossia equalis</i>	cephalopod
4569	<i>Semirossia tenera</i>	cephalopod
4607	<i>Sepioteuthis</i> sp.	squid
4608	<i>Sepioteuthis sepioidea</i>	squid
8032	<i>Sergestes</i> sp.	shrimp
8033	<i>Sergestes arcticus</i>	shrimp
8084	<i>Spirontocaris</i> sp.	shrimp
8086	<i>Spirontocaris phippsi</i>	shrimp
8085	<i>Spirontocaris spinus</i>	shrimp
4549	<i>Spirula</i> sp.	cephalopod
4550	<i>Spirula spirula</i>	cephalopod
8087	<i>Spirontocaris lilljeborgi</i>	shrimp
4852	<i>Stauroteuthis</i> sp.	octopus
4853	<i>Stauroteuthis syrtensis</i>	octopus
8144	<i>Stereomastis</i> sp.	malacostracan
8145	<i>Stereomastis sculpta</i>	malacostracan
7882	<i>Stilomysis</i> sp.	mysid
7983	<i>Stilomysis grandis</i>	mysid
4586	<i>Stoloteuthis</i> sp.	cephalopod
4587	<i>Stoloteuthis leucoptera</i>	cephalopod
8363	<i>Strongylocentrotus</i> sp.	sea urchin
8364	<i>Strongylocentrotus droebachiensis</i>	sea urchin
8365	<i>Strongylocentrotus pallidus</i>	sea urchin
8011	<i>Stylocheiron</i> sp.	euphausiid
8012	<i>Stylocheiron longicorne</i>	euphausiid
4666	<i>Taningia</i> sp.	squid
4667	<i>Taningia danae</i>	squid
4839	<i>Taonius</i> sp.	squid
4840	<i>Taonius pavo</i>	squid
4916	<i>Tetracheledone</i> sp.	octopus
4917	<i>Tetracheledone spinicirrus</i>	octopus
4702	<i>Tetronychoteuthis</i> sp.	squid
4703	<i>Tetronychoteuthis dussumieri</i>	squid
4827	<i>Teuthowenia</i> sp.	squid
4828	<i>Teuthowenia megalops</i>	squid
4653	<i>Thelidioteuthis</i> sp.	squid
4654	<i>Thelidioteuthis alessandrinii</i>	squid
8000	<i>Thysanoessa</i> sp.	euphausiid
8004	<i>Thysanoessa gregaria</i>	euphausiid
8001	<i>Thysanoessa inermis</i>	euphausiid
8003	<i>Thysanoessa longicaudata</i>	euphausiid
8002	<i>Thysanoessa raschi</i>	euphausiid
8014	<i>Thysanopoda</i> sp.	euphausiid
8015	<i>Thysanopoda acutifrons</i>	euphausiid
4774	<i>Thysanoteuthis</i> sp.	squid
4775	<i>Thysanoteuthis rhombus</i>	squid
4927	<i>Tremoctopus</i> sp.	octopus

4928	Tremoctopus gelatus	octopus
4929	Tremoctopus violaceus	octopus
4782	Valbyteuthis sp.	squid
4783	Valbyteuthis danae	squid
4941	Vampyroteuthis sp.	cephalopod
4942	Vampyroteuthis infernalis	cephalopod
2165	Actinaria	sea anemone
4872	Alloposidae	octopus
6930	Amphipoda	amphipod
4949	Annelida	annelid
8157	Anomura	malacostracan
2100	Anthozoa	anthozoan
3111	Aplacophora	solenogaster
3176	Archaeogastropoda	gastropod
4707	Architeuthidae	squid
4932	Argonautidae	octopus
5950	Arthropoda	arthropod
8680	Asciacea	tunicate, sessile
8390	Asteroidea	sea star
8167	Axiidae	malacostracan
4731	Bathyteuthidae	squid
3995	Bivalvia	bivalve
4863	Bolitaenidae	octopus
3080	Brachiopoda	lamp shell
4741	Brachioteuthidae	squid
8203	Brachyura	crab
3515	Buccinidae	whelk
6081	Calanoida	copepod, calanoid
8204	Cancridae	crab
7880	Caprellidea	caprellid
8037	Caridea	shrimp
3690	Cephalaspidea	gastropod
4545	Cephalopoda	cephalopod
2640	Chaetognatha	arrow worm
4778	Chiroteuthidae	squid
8679	Chordata	chordate
4847	Cirrata	octopus
6580	Cirripedia	barnacle
4848	Cirroteuthidae	octopus
6005	Cladocera	water flea
3830	Clionidae	pteropod
8370	Clypeasteroidea	sand dollar
1340	Cnidaria	cnidarian
6080	Copepoda	copepod
4808	Cranchiidae	squid
8117	Crangonidae	shrimp
8261	Crinoidea	feather star
6000	Crustacea	crustacean
2250	Ctenophora	comb-jelly
4735	Ctenopterygidae	squid
8310	Cucumariidae	sea cucumber
6620	Cumacea	cumacean

4685	Cycloteuthidae	squid
8019	Decapoda	decapod, crustacean
8291	Dendrochirotida	sea cucumber
8831	Doliolida	doliolid
8371	Echinarachnidae	sand dollar
8260	Echinodermata	echinoderm
8361	Echinoidea	sea urchin
8360	Echinoidea	sea urchin
5930	Echiurida	echiurid
2670	Ectoprocta	bryozoan
4633	Enoploteuthidae	squid
2610	Entoprocta	entoproct
7929	Eucopiidae	mysid
4475	Eudesmodontida	clam
7991	Euphausiacea	euphausiid
8158	Galatheidae	malacostracan
6980	Gammaridea	gammarid (suborder)
3175	Gastropoda	gastropod
8250	Geryonidae	crab
4768	Gonatidae	squid
8256	Grapsidae	crab
4798	Grimalditeuthidae	squid
3820	Gymnosomata	pteropod
8600	Hemichordata	acorn worm
4225	Heterodontida	bivalve
4575	Heteroteuthinae	cephalopod
4435	Hiatellidae	clam
8069	Hippolytidae	shrimp
5875	Hirudinea	leech
4712	Histioteuthidae	squid
8290	Holothuroidea	sea cucumber
1341	Hydrozoa	hydrozoan
6960	Hyperidae	hyperiid (family)
6931	Hyperiidea	hyperiid (suborder)
6817	Idotea sp.	isopod
6818	Idotea balthica	isopod
6819	Idotea phosphorea	isopod
6816	Idoteidae	isopod
4862	Incirrata	octopus
1100	Invertebrata	invertebrate (NS)
6760	Isopoda	isopod
4803	Joubiniteuthidae	squid
8860	Larvacea	appendicularian
4695	Lepidoteuthidae	squid
3785	Limacinidae	pteropod
8194	Lithodidae	spiny crab
4594	Loliginidae	squid
7926	Lophogastridae	mysid
4619	Lycoteuthidae	squid
8141	Macrura	malacostracan
8211	Majidae	crab, spider
4786	Mastigoteuthidae	squid

3235	Mesogastropoda	gastropod
3110	Mollusca	mollusc
4425	Myidae	clam
4593	Myopsida	squid
7925	Mysidacea	mysid
7932	Mysidae	mysid
4120	Mytilidae	mussel
8020	Natantia	shrimp
3420	Naticidae	snail, moon
6610	Nebaliacea	nebaliacean
8049	Nematocarcinidae	shrimp
2585	Nematoda	nematode
2580	Nematomorpha	hairworm
3480	Neogastropoda	gastropod
4727	Neoteuthidae	squid
8152	Nephropsidae	lobster
3850	Nudibranchia	nudibranch
4846	Octopoda	octopus
4877	Octopodidae	octopus
4660	Octopoteuthidae	squid
4936	Ocythoidea	octopus
4618	Oegopsida	squid
5845	Oligochaeta	oligochaete
4747	Ommastrephidae	squid
4673	Onychoteuthidae	squid
8530	Ophiuroidea	brittle star
4856	Opisthoteuthidae	octopus
8038	Oplophoridae	shrimp
6020	Ostracoda	ostracod
4155	Ostreidae	oyster
8177	Paguridae	hermit crab
8062	Palaemonidae	shrimp
8106	Pandalidae	shrimp
8190	Parapaguridae	hermit crab
8054	Pasiphaeidae	shrimp
4165	Pectinidae	scallop
8022	Penaeidae	shrimp
8021	Penaeidea	shrimp
3070	Phoronida	phoronid
4610	Pickfordiateuthidae	squid
2280	Platyhelminthes	flatworm
8660	Pogonophora	pogonophore
4950	Polychaeta	polychaete
8143	Polychelidae	malacostracan
3125	Polyplacophora	chiton
1101	Porifera	sponge
8230	Portunidae	crab
2570	Priapulida	priapulid
4100	Prionodontida	bivalve
3996	Protobranchia	bivalve
8292	Psolidae	sea cucumber
4120	Pteroconchida	bivalve

5951	Pycnogonida	sea spider
8140	Reptantia	malacostracan
2430	Rhynchocoela	rhynchocoel
4556	Rossiinae	cephalopod
2520	Rotifera	rotifer
3740	Sacoglossa	gastropod
8840	Salpida	salp
3975	Scaphopoda	tusk shell
2040	Scyphozoa	scyphozoan
4547	Sepioidea	cephalopod
4554	Sepiolidae	cephalopod
4510	Septibranchia	clam
8031	Sergestidae	shrimp
5900	Sipunculida	sipunculid
4548	Spirulidae	cephalopod
4851	Stauroteuthidae	octopus
4585	Stoloteuthinae	cephalopod
8362	Strongylocentrotidae	sea urchin
6720	Tanaidacea	tanaid
4591	Teuthoidea	squid
8830	Thaliacea	tunicate, pelagic
3760	Thecosomata	pteropod
4773	Thysanoteuthidae	squid
4926	Tremoctopodidae	octopus
6815	Valvifera	isopod
4939	Vampyromorpha	cephalopod
4940	Vampyroteuthidae	cephalopod
8242	Xanthidae	crab

APPENDIX 3: SPECIES CODE ORDERED BY NUMERICAL CODE SEQUENCE



## APPENDIX 3: SPECIES CODE ORDERED BY NUMERICAL CODE SEQUENCE

CODE	SCIENTIFIC NAME	COMMON NAME
1100	Invertebrata	invertebrate (NS)
1101	Porifera	sponge
1340	Cnidaria	cnidarian
1341	Hydrozoa	hydrozoan
2040	Scyphozoa	scyphozoan
2100	Anthozoa	anthozoan
2165	Actinaria	sea anemone
2250	Ctenophora	comb-jelly
2280	Platyhelminthes	flatworm
2430	Rhynchocoela	rhynchocoel
2520	Rotifera	rotifer
2570	Priapulida	priapulid
2572	Priapulus sp.	priapulid
2573	Priapulus caudatus	priapulid
2580	Nematomorpha	hairworm
2585	Nematoda	nematode
2610	Entoprocta	entoproct
2640	Chaetognatha	arrow worm
2670	Ectoprocta	bryozoan
3070	Phoronida	phoronid
3080	Brachiopoda	lamp shell
3110	Mollusca	mollusc
3111	Aplacophora	solenogaster
3125	Polyplacophora	chiton
3175	Gastropoda	gastropod
3176	Archaeogastropoda	gastropod
3235	Mesogastropoda	gastropod
3420	Naticidae	snail, moon
3480	Neogastropoda	gastropod
3515	Buccinidae	whelk
3516	Buccinum sp.	whelk
3565	Neptunea sp.	whelk
3575	Colus sp.	whelk
3690	Cephalaspidea	gastropod
3740	Sacoglossa	gastropod
3760	Thecosomata	pteropod
3785	Limacinidae	pteropod
3786	Limacina sp.	pteropod
3787	Limacina helicina	pteropod
3788	Limacina retroversa	pteropod
3820	Gymnosomata	pteropod
3830	Clionidae	pteropod
3831	Clione sp.	pteropod
3832	Clione limacina	pteropod
3850	Nudibranchia	nudibranch
3975	Scaphopoda	tusk shell
3995	Bivalvia	bivalve
3996	Protobranchia	bivalve
4100	Prionodontida	bivalve
4120	Pterconchida	bivalve

4120	Mytilidae	mussel
4121	<i>Mytilus</i> sp.	mussel
4122	<i>Mytilus edulis</i>	mussel, blue
4135	<i>Modiolus</i> sp.	mussel
4136	<i>Modiolus modiolus</i>	mussel, horse
4155	Ostreidae	oyster
4156	<i>Crassostrea</i> sp.	oyster
4157	<i>Crassostrea virginica</i>	oyster
4160	<i>Ostrea</i> sp.	oyster
4161	<i>Ostrea edulis</i>	oyster
4165	Pectinidae	scallop
4166	<i>Chlamys</i> sp.	scallop
4167	<i>Chlamys islandica</i>	scallop, Icelandic
4171	<i>Aequipecten</i> sp.	scallop
4172	<i>Aequipecten irradians</i>	scallop
4178	<i>Placopecten</i> sp.	scallop
4179	<i>Placopecten magellanicus</i>	scallop, giant
4190	<i>Propeamussium</i> sp.	scallop
4191	<i>Propeamussium groenlandicum</i>	scallop
4225	Heterodontida	bivalve
4425	Myidae	clam
4426	<i>Mya</i> sp.	clam
4427	<i>Mya arenaria</i>	clam, soft shell
4428	<i>Mya truncata</i>	clam
4435	Hiatellidae	clam
4436	<i>Hiatella</i> sp.	clam
4437	<i>Hiatella arctica</i>	clam
4440	<i>Cyrtodaria</i> sp.	clam
4441	<i>Cyrtodaria siliqua</i>	clam, bank
4475	Eudesmodontida	clam
4510	Septibranchia	clam
4545	Cephalopoda	cephalopod
4547	Sepioidea	cephalopod
4548	Spirulidae	cephalopod
4549	<i>Spirula</i> sp.	cephalopod
4550	<i>Spirula spirula</i>	cephalopod
4554	Sepiolidae	cephalopod
4556	Rossiinae	cephalopod
4557	<i>Rossia</i> sp.	cephalopod
4558	<i>Rossia antillensis</i>	cephalopod
4559	<i>Rossia bullisi</i>	cephalopod
4560	<i>Rossia tortugaensis</i>	cephalopod
4561	<i>Rossia palpebrosa</i>	cephalopod
4562	<i>Rossia megaptera</i>	cephalopod
4563	<i>Rossia molleri</i>	cephalopod
4567	<i>Semirossia</i> sp.	cephalopod
4568	<i>Semirossia equalis</i>	cephalopod
4569	<i>Semirossia tenera</i>	cephalopod
4575	Heteroteuthinae	cephalopod
4576	<i>Heteroteuthis</i> sp.	cephalopod
4577	<i>Heteroteuthis atlantis</i>	cephalopod
4578	<i>Heteroteuthis dispar</i>	cephalopod

4580	Nectoteuthis sp.	cephalopod
4581	Nectoteuthis pourtalesi	cephalopod
4585	Stoloteuthinae	cephalopod
4586	Stoloteuthis sp.	cephalopod
4587	Stoloteuthis leucoptera	cephalopod
4591	Teuthoidea	squid
4593	Myopsida	squid
4594	Loliginidae	squid
4595	Loligo sp.	squid
4596	Loligo brasiliensis	squid
4597	Loligo ocula	squid
4598	Loligo pealei	squid
4599	Loligo plei	squid
4600	Loligo roperi	squid
4601	Loligo surinamensis	squid
4604	Loliguncula sp.	squid
4605	Loliguncula brevis	squid
4607	Sepioteuthis sp.	squid
4608	Sepioteuthis sepioidea	squid
4610	Pickfordiateuthidae	squid
4611	Pickfordiateuthis sp.	squid
4612	Pickfordiateuthis pulchella	squid
4618	Oegopsida	squid
4619	Lycoteuthidae	squid
4620	Lycoteuthis sp.	squid
4621	Lycoteuthis diadema	squid
4623	Oregoniateuthis sp.	squid
4624	Oregoniateuthis lorigera	squid
4625	Oregoniateuthis springeri	squid
4627	Selenoteuthis sp.	squid
4628	Selenoteuthis scintillans	squid
4630	Lampadioteuthis sp.	squid
4631	Lampadioteuthis megaleia	squid
4633	Enoploteuthidae	squid
4634	Abralia sp.	squid
4635	Abralia redfieldi	squid
4636	Abralia veranyi	squid
4637	Abralia grimpei	squid
4639	Abraliopsis sp.	squid
4640	Abraliopsis pfefferi	squid
4642	Enoploteuthis sp.	squid
4643	Enoploteuthis anapsis	squid
4644	Enoploteuthis leptura	squid
4646	Pterygioteuthis sp.	squid
4647	Pterygioteuthis gemmata	squid
4648	Pterygioteuthis giardi	squid
4650	Pyroteuthis sp.	squid
4651	Pyroteuthis margaritifera	squid
4653	Thelidioteuthis sp.	squid
4654	Thelidioteuthis lessandrini	squid
4660	Octopoteuthidae	squid
4661	Octopoteuthis sp.	squid

4662	<i>Octopoteuthis danae</i>	squid
4663	<i>Octopoteuthis megaptera</i>	squid
4664	<i>Octopoteuthis sicula</i>	squid
4666	<i>Taningia</i> sp.	squid
4667	<i>Taningia danae</i>	squid
4673	Onychoteuthidae	squid
4674	<i>Ancistroteuthis</i> sp.	squid
4675	<i>Ancistroteuthis lichtensteini</i>	squid
4677	<i>Onychoteuthis</i> sp.	squid
4678	<i>Onychoteuthis banksi</i>	squid
4680	<i>Onykia</i> sp.	squid
4681	<i>Onykia carribaea</i>	squid
4685	Cycloteuthidae	squid
4686	<i>Cycloteuthis</i> sp.	squid
4687	<i>Cycloteuthis sirventi</i>	squid
4689	<i>Discoteuthis</i> sp.	squid
4690	<i>Discoteuthis discus</i>	squid
4691	<i>Discoteuthis laciniosa</i>	squid
4695	Lepidoteuthidae	squid
4696	<i>Lepidoteuthis</i> sp.	squid
4697	<i>Lepidoteuthis grimaldii</i>	squid
4699	<i>Pholidoteuthis</i> sp.	squid
4700	<i>Pholidoteuthis adami</i>	squid
4702	<i>Tetronychoteuthis</i> sp.	squid
4703	<i>Tetronychoteuthis dussumieri</i>	squid
4707	Architeuthidae	squid
4708	<i>Architeuthis</i> sp.	squid
4709	<i>Architeuthis dux</i>	squid
4712	Histioteuthidae	squid
4713	<i>Histioteuthis</i> sp.	squid
4714	<i>Histioteuthis bonnelli</i>	squid
4715	<i>Histioteuthis celetaria celetaria</i>	squid
4716	<i>Histioteuthis corona corona</i>	squid
4717	<i>Histioteuthis dofleini</i>	squid
4718	<i>Histioteuthis elongata</i>	squid
4719	<i>Histioteuthis meleagroteuthis</i>	squid
4720	<i>Histioteuthis reversa</i>	squid
4727	Neoteuthidae	squid
4728	<i>Neoteuthis</i> sp.	squid
4731	Bathyteuthidae	squid
4732	<i>Bathyteuthis</i> sp.	squid
4733	<i>Bathyteuthis abyssicola</i>	squid
4735	Ctenopterygidae	squid
4736	<i>Ctenopteryx</i> sp.	squid
4737	<i>Ctenopteryx sicula</i>	squid
4741	Brachioteuthidae	squid
4742	<i>Brachioteuthis</i> sp.	squid
4743	<i>Brachioteuthis riisei</i>	squid
4744	<i>Brachioteuthis beani</i>	squid
4747	Ommastrephidae	squid
4748	<i>Hyaloteuthis</i> sp.	squid
4749	<i>Hyaloteuthis pelagica</i>	squid

4751	<i>Illex</i> sp.	squid
4752	<i>Illex coindetii</i>	squid
4753	<i>Illex illecebrosus</i>	squid, short-fin
4754	<i>Illex oxygonius</i>	squid
4756	<i>Ommastrephes</i> sp.	squid
4757	<i>Ommastrephes bartrami</i>	squid
4758	<i>Ommastrephes pteropus</i>	squid
4761	<i>Ornithoteuthis</i> sp.	squid
4762	<i>Ornithoteuthis antillarum</i>	squid
4768	Gonatidae	squid
4769	<i>Gonatus</i> sp.	squid
4770	<i>Gonatus fabricii</i>	squid, Arctic
4771	<i>Gonatus steenstrupi</i>	squid
4773	Thysanoteuthidae	squid
4774	<i>Thysanoteuthis</i> sp.	squid
4775	<i>Thysanoteuthis rhombus</i>	squid
4778	Chiroteuthidae	squid
4779	<i>Chiroteuthis</i> sp.	squid
4780	<i>Chiroteuthis lacertosa</i>	squid
4782	<i>Valbyteuthis</i> sp.	squid
4783	<i>Valbyteuthis danae</i>	squid
4786	Mastigoteuthidae	squid
4787	<i>Mastigoteuthis</i> sp.	squid
4788	<i>Mastigoteuthis agassizi</i>	squid
4789	<i>Mastigoteuthis hjorti</i>	squid
4790	<i>Mastigoteuthis magna</i>	squid
4791	<i>Mastigoteuthis grimaldii</i>	squid
4792	<i>Mastigoteuthis cordiformis</i>	squid
4798	Grimalditeuthidae	squid
4799	<i>Grimalditeuthis</i> sp.	squid
4800	<i>Grimalditeuthis bomplandi</i>	squid
4803	Joubiniteuthidae	squid
4804	<i>Joubiniteuthis</i> sp.	squid
4805	<i>Joubiniteuthis portieri</i>	squid
4808	Cranchiidae	squid
4809	<i>Bathothauma</i> sp.	squid
4810	<i>Bathothauma lyromma</i>	squid
4812	<i>Cranchia</i> sp.	squid
4813	<i>Cranchia scabra</i>	squid
4815	<i>Egea</i> sp.	squid
4816	<i>Egea inermis</i>	squid
4818	<i>Pyrogopsis</i> sp.	squid
4819	<i>Pyrogopsis lemur</i>	squid
4821	<i>Megalocranchia</i> sp.	squid
4822	<i>Megalocranchia megalops</i>	squid
4824	<i>Galiteuthis</i> sp.	squid
4825	<i>Galiteuthis armata</i>	squid
4827	<i>Teuthowenia</i> sp.	squid
4828	<i>Teuthowenia megalops</i>	squid
4830	<i>Helicocranchia</i> sp.	squid
4831	<i>Helicocranchia pfefferi</i>	squid
4833	<i>Leachia</i> sp.	squid

4834	<i>Leachia cyclura</i>	squid
4836	<i>Liocranchia</i> sp.	squid
4837	<i>Liocranchia reinhardti</i>	squid
4839	<i>Taonius</i> sp.	squid
4840	<i>Taonius pavo</i>	squid
4846	Octopoda	octopus
4847	Cirrata	octopus
4848	Cirroteuthidae	octopus
4849	<i>Cirroteuthis</i> sp.	octopus
4850	<i>Cirroteuthis mulleri</i>	octopus
4851	Stauroteuthidae	octopus
4852	<i>Stauroteuthis</i> sp.	octopus
4853	<i>Stauroteuthis syrtensis</i>	octopus
4856	Opisthoteuthidae	octopus
4857	<i>Opisthoteuthis</i> sp.	octopus
4858	<i>Opisthoteuthis agassizi</i>	octopus
4860	<i>Grimpoteuthis</i> sp.	octopus
4862	Incirrata	octopus
4863	Bolitaenidae	octopus
4864	<i>Eledonella</i> sp.	octopus
4865	<i>Eledonella pygmaea</i>	octopus
4867	<i>Japetella</i> sp.	octopus
4868	<i>Japetella diaphana</i>	octopus
4872	Alloposidae	octopus
4873	<i>Alloposus</i> sp.	octopus
4874	<i>Alloposus mollis</i>	octopus
4877	Octopodidae	octopus
4878	<i>Bathypolypus</i> sp.	octopus
4879	<i>Bathypolypus arcticus</i>	octopus
4881	<i>Benthooctopus</i> sp.	octopus
4882	<i>Benthooctopus januari</i>	octopus
4883	<i>Benthooctopus piscatorum</i>	octopus
4886	<i>Danoctopus</i> sp.	octopus
4887	<i>Danoctopus schmidti</i>	octopus
4889	<i>Euaxoctopus</i> sp.	octopus
4890	<i>Euaxoctopus pillsburyae</i>	octopus
4894	<i>Octopus</i> sp.	octopus
4895	<i>Octopus briarius</i>	octopus
4896	<i>Octopus burryi</i>	octopus
4897	<i>Octopus defilippi</i>	octopus
4898	<i>Octopus hummelincki</i>	octopus
4899	<i>Octopus joubini</i>	octopus
4900	<i>Octopus macropus</i>	octopus
4901	<i>Octopus maya</i>	octopus
4902	<i>Octopus vulgaris</i>	octopus
4903	<i>Octopus zonatus</i>	octopus
4904	<i>Octopus bairdii</i>	octopus
4907	<i>Pterooctopus</i> sp.	octopus
4908	<i>Pterooctopus tetracirrhus</i>	octopus
4910	<i>Scaeurgus</i> sp.	octopus
4911	<i>Scaeurgus unircirrhus</i>	octopus
4913	<i>Graneledone</i> sp.	octopus

4914	<i>Graneledone verrucosa</i>	octopus
4916	<i>Tetracheledone</i> sp.	octopus
4917	<i>Tetracheledone spinicirrus</i>	octopus
4926	Tremoctopodidae	octopus
4927	<i>Tremoctopus</i> sp.	octopus
4928	<i>Tremoctopus gelatus</i>	octopus
4929	<i>Tremoctopus violaceus</i>	octopus
4932	Argonautidae	octopus
4933	<i>Argonauta</i> sp.	octopus
4934	<i>Argonauta argo</i>	octopus
4935	<i>Argonauta hians</i>	octopus
4936	Ocythoidea	octopus
4937	<i>Ocythoe</i> sp.	octopus
4938	<i>Ocythoe tuberculata</i>	octopus
4939	Vampyromorpha	cephalopod
4940	Vampyroteuthidae	cephalopod
4941	<i>Vampyroteuthis</i> sp.	cephalopod
4942	<i>Vampyroteuthis infernalis</i>	cephalopod
4949	Annelida	annelid
4950	Polychaeta	polychaete
5845	Oligochaeta	oligochaete
5875	Hirudinea	leech
5900	Sipunculida	sipunculid
5930	Echiurida	echiurid
5950	Arthropoda	arthropod
5951	Pycnogonida	sea spider
6000	Crustacea	crustacean
6005	Cladocera	water flea
6020	Ostracoda	ostracod
6080	Copepoda	copepod
6081	Calanoida	copepod, calanoid
6580	Cirripedia	barnacle
6610	Nebaliacea	nebaliacean
6620	Cumacea	cumacean
6720	Tanaidacea	tanaid
6760	Isopoda	isopod
5815	Valvifera	isopod
6816	Idoteidae	isopod
6817	<i>Idotea</i> sp.	isopod
6818	<i>Idotea balthica</i>	isopod
6819	<i>Idotea phosphorea</i>	isopod
6930	Amphipoda	amphipod
6931	Hyperiidea	hyperiid (suborder)
6960	Hyperiididae	hyperiid (family)
6967	<i>Parathemisto</i> sp.	hyperiid
6976	<i>Hyperia</i> sp.	hyperiid
6977	<i>Hyperia galba</i>	hyperiid
6978	<i>Hyperia medusarum</i>	hyperiid
6980	Gammaridea	gammarid (suborder)
7880	Caprellidea	caprellid
7882	<i>Stilomysis</i> sp.	mysid
7925	Mysidacea	mysid

7926	Lophogastridae	mysid
7927	Gnathophausia sp.	mysid
7929	Eucopiidae	mysid
7930	Eucopia sp.	mysid
7932	Mysidae	mysid
7933	Boreomysis sp.	mysid
7934	Boreomysis tridens	mysid
7935	Boreomysis arctica	mysid
7936	Boreomysis nobilis	mysid
7940	Erythrops sp.	mysid
7941	Erythrops erythropthalma	mysid
7942	Erythrops abyssorum	mysid
7943	Erythrops microps	mysid
7946	Meterythrops sp.	mysid
7947	Meterythrops robusta	mysid
7950	Amblyops sp.	mysid
7951	Amblyops kempii	mysid
7952	Amblyops abbreviata	mysid
7957	Pseudomma sp.	mysid
7958	Pseudomma affine	mysid
7959	Pseudomma truncatum	mysid
7960	Pseudomma roseum	mysid
7963	Mysidetes sp.	mysid
7964	Mysidetes farrani	mysid
7967	Mysis sp.	mysid
7968	Mysis polaris	mysid
7969	Mysis gaspensis	mysid
7970	Mysis oculata	mysid
7971	Mysis litoralis	mysid
7972	Mysis mixta	mysid
7973	Mysis stenolepis	mysid
7978	Praunus sp.	mysid
7979	Praunus flexuosus	mysid
7983	Stilomysis grandis	mysid
7985	Neomysis sp.	mysid
7986	Neomysis americana	mysid
7988	Heteromysis sp.	mysid
7989	Heteromysis formosa	mysid
7991	Euphausiacea	euphausiid
7993	Meganyctiphanes sp.	euphausiid
7994	Meganyctiphanes norvegica	euphausiid
7996	Euphausia sp.	euphausiid
7997	Euphausia krohni	euphausiid
7998	Euphausia brevis	euphausiid
8000	Thysanoessa sp.	euphausiid
8001	Thysanoessa inermis	euphausiid
8002	Thysanoessa raschi	euphausiid
8003	Thysanoessa longicaudata	euphausiid
8004	Thysanoessa gregaria	euphausiid
8007	Nematoscelis sp.	euphausiid
8008	Nematoscelis megalops	euphausiid
8011	Stylocheiron sp.	euphausiid

8012	<i>Stylocheiron longicorne</i>	euphausiid
8014	<i>Thysanopoda</i> sp.	euphausiid
8015	<i>Thysanopoda acutifrons</i>	euphausiid
8016	<i>Nyctiphanes</i> sp.	euphausiid
8017	<i>Nyctiphanes couchii</i>	euphausiid
8019	Decapoda	decapod, crustacean
8020	Natantia	shrimp
8021	Penaeidea	shrimp
8022	Penaeidae	shrimp
8023	<i>Plesiopenaeus</i> sp.	shrimp
8024	<i>Plesiopenaeus edwardsianus</i>	shrimp
8026	<i>Gennadas</i> sp.	shrimp
8027	<i>Gennadas elegans</i>	shrimp
8031	Sergestidae	shrimp
8032	<i>Sergestes</i> sp.	shrimp
8033	<i>Sergestes arcticus</i>	shrimp
8037	Caridea	shrimp
8038	Oplophoridae	shrimp
8039	<i>Acanthephyra</i> sp.	shrimp
8040	<i>Acanthephyra pelagica</i>	shrimp
8041	<i>Acanthephyra purpurea</i>	shrimp
8044	<i>Hymenodora</i> sp.	shrimp
8045	<i>Hymenodora glacialis</i>	shrimp
8049	Nematocarcinidae	shrimp
8050	<i>Nematocarcinus</i> sp.	shrimp
8051	<i>Nematocarcinus ensifer</i>	shrimp
8054	Pasiphaeidae	shrimp
8055	<i>Pasiphaea</i> sp.	shrimp
8056	<i>Pasiphaea tarda</i>	shrimp
8057	<i>Pasiphaea multidentata</i>	shrimp
8058	<i>Pasiphaea princeps</i>	shrimp
8062	Palaemonidae	shrimp
8063	<i>Palaemonetes</i> sp.	shrimp
8064	<i>Palaemonetes pugio</i>	shrimp
8065	<i>Palaemonetes vulgaris</i>	shrimp
8069	Hippolytidae	shrimp
8070	<i>Bythocaris</i> sp.	shrimp
8071	<i>Bythocaris payeri</i>	shrimp
8074	<i>Eualus</i> sp.	shrimp
8075	<i>Eualus fabricii</i>	shrimp
8076	<i>Eualus pusiolus</i>	shrimp
8077	<i>Eualus macilentus</i>	shrimp
8078	<i>Eualus stoneyi</i>	shrimp
8079	<i>Eualus gaimardii</i>	shrimp
8080	<i>Eualus gaimardii gaimardii</i>	shrimp
8081	<i>Eualus gaimardii belcheri</i>	shrimp
8084	<i>Spirontocaris</i> sp.	shrimp
8085	<i>Spirontocaris spinus</i>	shrimp
8086	<i>Spirontocaris phippsi</i>	shrimp
8087	<i>Spirontocaris lilljeborgi</i>	shrimp
8091	<i>Lebbeus</i> sp.	shrimp
8092	<i>Lebbeus groenlandicus</i>	shrimp

8093	Lebbeus polaris	shrimp
8094	Lebbeus zebra	shrimp
8095	Lebbeus microceros	shrimp
8099	Caridion sp.	shrimp
8100	Caridion gordonii	shrimp
8102	Latreutes sp.	shrimp
8103	Latreutes fucorum	shrimp
8106	Pandalidae	shrimp
8107	Dichelopandalus sp.	shrimp
8108	Dichelopandalus leptocerus	shrimp
8110	Pandalus sp.	shrimp
8111	Pandalus borealis	shrimp
8112	Pandalus montagui	shrimp
8113	Pandalus propinquus	shrimp
8117	Crangonidae	shrimp
8118	Sclerocrangon sp.	shrimp
8119	Sclerocrangon boreas	shrimp
8120	Sclerocrangon ferox	shrimp
8124	Crangon sp.	shrimp
8125	Crangon septemspinosa	shrimp
8127	Sabinea sp.	shrimp
8128	Sabinea septemcarinata	shrimp
8129	Sabinea sarsi	shrimp
8130	Sabinea hystrix	shrimp
8134	Pontophilus sp.	shrimp
8135	Pontophilus norvegicus	shrimp
8137	Argis sp.	shrimp
8138	Argis dentata	shrimp
8140	Reptantia	malacostracan
8141	Macrura	malacostracan
8143	Polychelidae	malacostracan
8144	Stereomastis sp.	malacostracan
8145	Stereomastis sculpta	malacostracan
8149	Polycheles sp.	malacostracan
8150	Polycheles granulatus	malacostracan
8152	Nephropsidae	lobster
8153	Homarus sp.	lobster
8154	Homarus americanus	lobster
8157	Anomura	malacostracan
8158	Galatheidae	malacostracan
8159	Munida sp.	malacostracan
8160	Munida tenuimana	malacostracan
8163	Munidopsis sp.	malacostracan
8164	Munidopsis curvirostra	malacostracan
8167	Axiidae	malacostracan
8168	Axius sp.	malacostracan
8169	Axius serratus	malacostracan
8172	Calocarid sp.	malacostracan
8173	Calocarid templemani	malacostracan
8174	Calocarid macandreae	malacostracan
8177	Paguridae	hermit crab
8178	Pagurus sp.	hermit crab

8179	Pagurus acadianus	hermit crab
8180	Pagurus pubescens	hermit crab
8181	Pagurus politus	hermit crab
8182	Pagurus arcuatus	hermit crab
8183	Pagurus kroyeri	hermit crab
8184	Pagurus longicarpus	hermit crab
8190	Parapaguridae	hermit crab
8191	Parapagurus sp.	hermit crab
8192	Parapagurus pilosimanus	hermit crab
8194	Lithodidae	spiny crab
8195	Lithodes sp.	spiny crab
8196	Lithodes maja	spiny crab
8199	Neolithodes sp.	spiny crab
8200	Neolithodes grimaldii	spiny crab, red
8203	Brachyura	crab
8204	Cancridae	crab
8205	Cancer sp.	crab
8206	Cancer irroratus	crab
8207	Cancer borealis	crab
8211	Majidae	crab, spider
8212	Chionoecetes sp.	crab
8213	Chionoecetes opilio	crab, snow or queen
8216	Hyas sp.	crab, toad
8217	Hyas araneus	crab, toad
8218	Hyas coarctatus	crab, toad
8221	Libinia sp.	crab
8222	Libinia emarginata	crab
8223	Libinia dubia	crab
8226	Pelia sp.	crab
8227	Pelia mutica	crab
8230	Portunidae	crab
8231	Carcinus sp.	crab
8232	Carcinus maenas	crab
8234	Ovalipes sp.	crab
8235	Ovalipes ocellatus	crab
8238	Portunus sp.	crab
8239	Portunus sayi	crab
8242	Xanthidae	crab
8243	Neopanope sp.	crab
8244	Neopanope sayi	crab
8246	Rhithropanopeus sp.	crab
8247	Rhithropanopeus harrisi	crab
8250	Geryonidae	crab
8251	Geryon sp.	crab
8252	Geryon quiquedens	crab
8256	Grapsidae	crab
8257	Planes sp.	crab
8258	Planes minutus	crab
8260	Echinodermata	echinoderm
8261	Crinoidea	feather star
8290	Holothuroidea	sea cucumber
8291	Dendrochirotida	sea cucumber

8292	Psolidae	sea cucumber
8293	Psolus sp.	sea cucumber
8294	Psolus phantapus	sea cucumber
8295	Psolus fabricii	sea cucumber
8310	Cucumariidae	sea cucumber
8311	Cucumaria sp.	sea cucumber
8312	Cucumaria frondosa	sea cucumber
8360	Echinoidea	sea urchin
8361	Echinoida	sea urchin
8362	Strongylocentrotidae	sea urchin
8363	Strongylocentrotus sp.	sea urchin
8364	Strongylocentrotus droebachiensis	sea urchin
8365	Strongylocentrotus pallidus	sea urchin
8370	Clypeasteroidea	sand dollar
8371	Echinarachnidae	sand dollar
8372	Echinarachnius sp.	sand dollar
8373	Echinarachnius parma	sand dollar
8390	Asteroidea	sea star
8530	Ophiuroidea	brittle star
8600	Hemichordata	acorn worm
8660	Pogonophora	pogonophore
8679	Chordata	chordate
8680	Asciacea	tunicate, sessile
8830	Thaliacea	tunicate, pelagic
8831	Doliolida	doliolid
8840	Salpida	salp
8860	Larvacea	appendicularian
9980		unidentified material
9981		sand
9982		stone
9984		eggs, fish (spawn)
9985		eggs, invertebrate
9987		plant material or seaweed
9990		gelatinous zooplankton
9991		gephyraea
9993		bait
9994		offal, fish
9995		offal, other
9997		everted
9998		empty