

# **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

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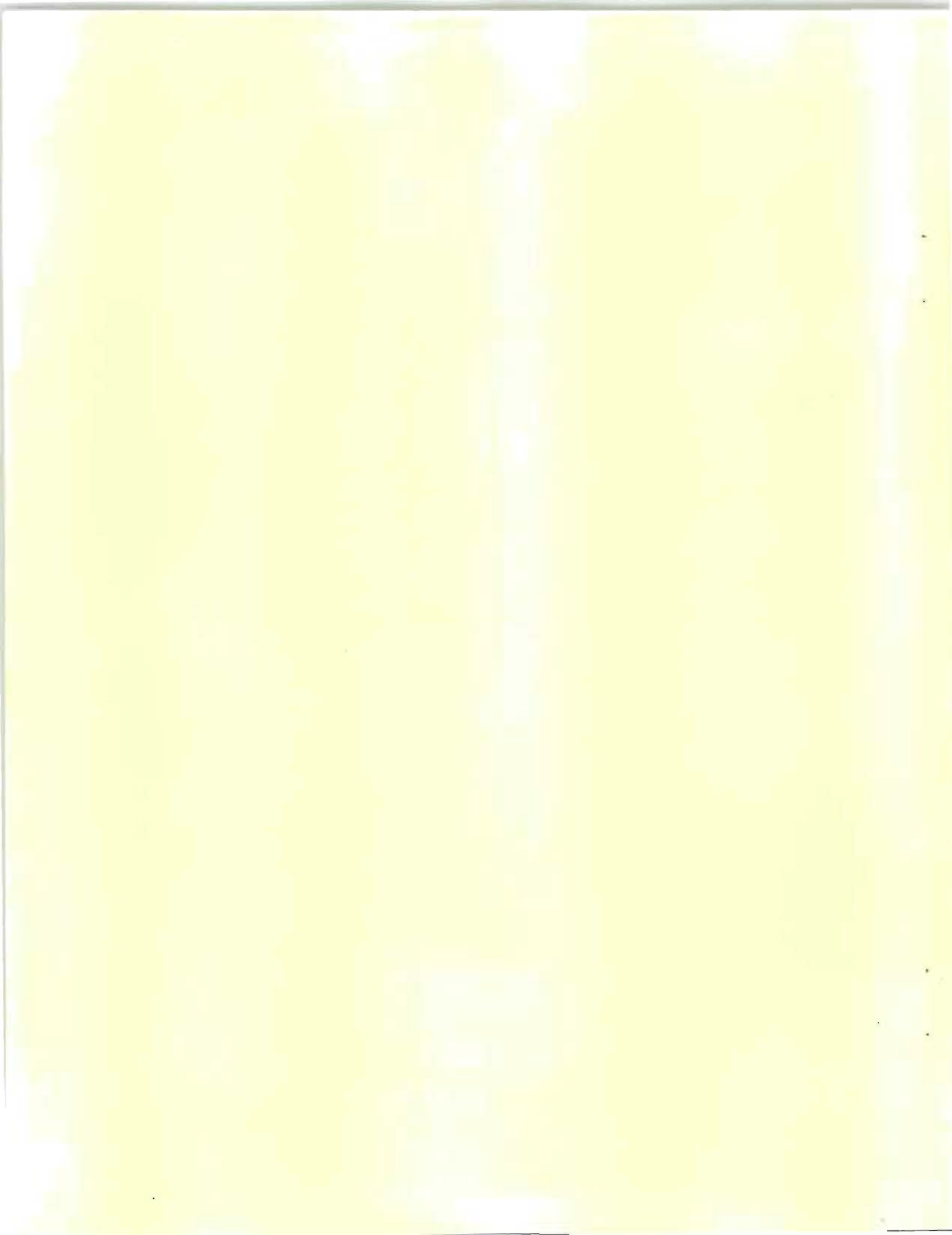
## REFERENCE

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 | Pterconchida               | 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 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>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 | Cirripectida                      | 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 |

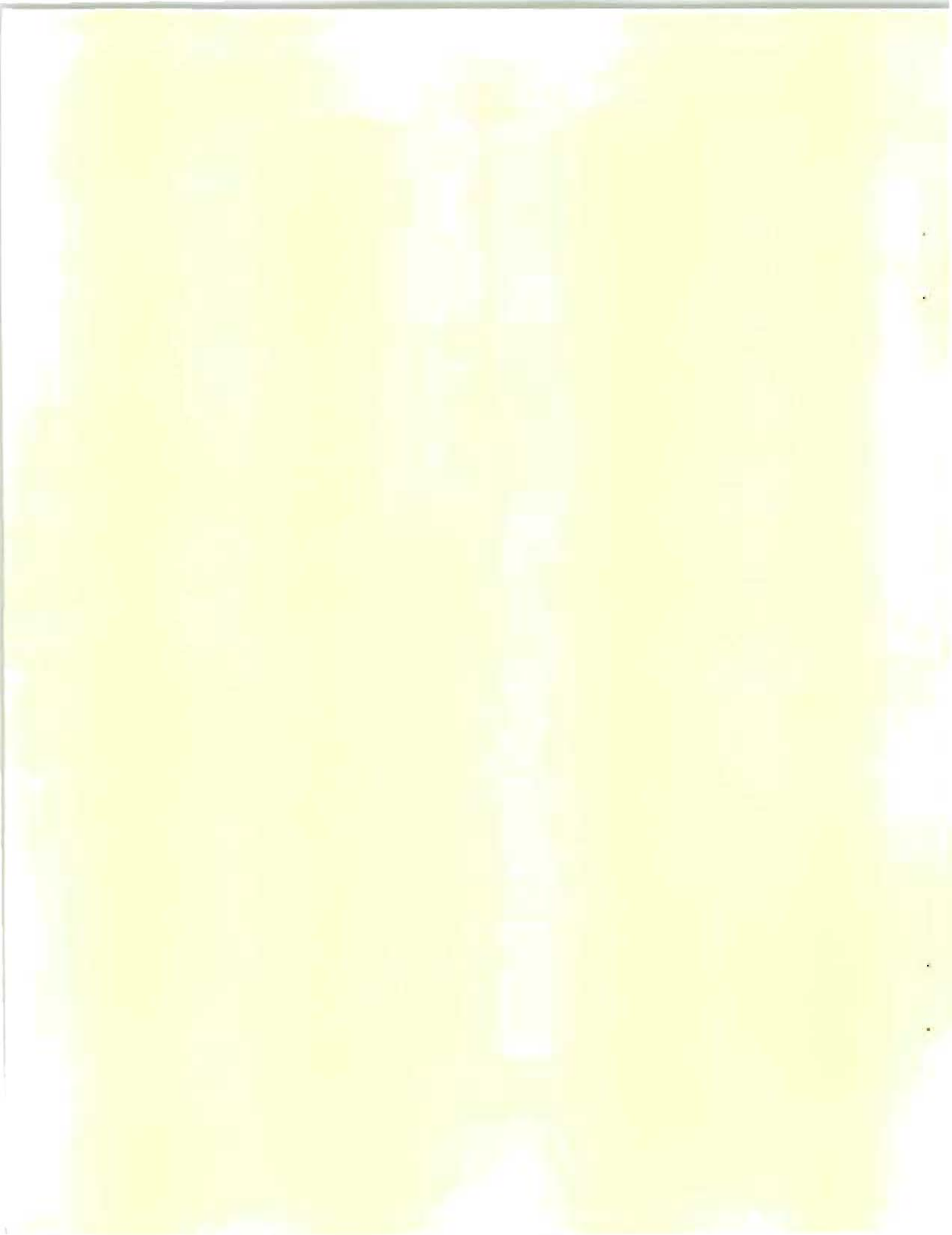
|      |                                   |                     |
|------|-----------------------------------|---------------------|
| 8012 | <i>Stylocheiron longicorne</i>    | euphausiid          |
| 8014 | <i>Thysanopoda</i> sp.            | euphausiid          |
| 8015 | <i>Thysanopoda acutifrons</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 septemspinosus</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 schmidti</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               |

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| 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    |

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| 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            |

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| 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>Meterythrop</i> sp.           | mysid            |
| 7947 | <i>Meterythrop 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          |

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| 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       |

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| 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 moller</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         |

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| 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>Thelidoteuthis</i> sp.                | squid         |
| 4654 | <i>Thelidoteuthis 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 | <i>Tremoctopus gelatus</i>       | octopus           |
| 4929 | <i>Tremoctopus violaceus</i>     | octopus           |
| 4782 | <i>Valbyteuthis</i> sp.          | squid             |
| 4783 | <i>Valbyteuthis danae</i>        | squid             |
| 4941 | <i>Vampyroteuthis</i> sp.        | cephalopod        |
| 4942 | <i>Vampyroteuthis infernalis</i> | 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 | <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 | 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 | Rossinae                           | 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 lessandrinii | 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 | Calanoidea                        | 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               |

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|------|---------------------------|------------|
| 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 |

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|------|-----------------------------------|---------------------|
| 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              |

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



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