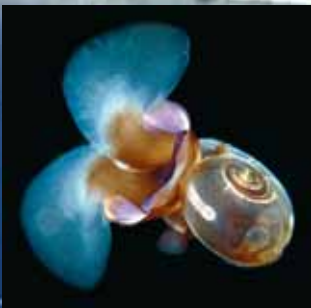


Skrifter 201

A catalogue of the terrestrial and marine animals of Svalbard



Edited by
Pål Prestrud, Hallvard Strøm & Helle V. Goldman



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Norwegian Polar Institute
Tromsø 2004

Cover pictures.—Background photograph: Brepollen, inner Hornsund (Winfried Dallmann). Inset photographs, clockwise from top left: *Odobenus rosmarus* (Kit & Christian, NPI); *Megaphorura arctica* (Stephen Coulson); *Alopex lagopus* (Hallvard Strøm); *Eumicrotremus spinosus* (Erling Svensen); *Larus hyperboreus* (Hallvard Strøm); *Mertensia ovum* (Erling Svensen); and *Limacina helicina* (Erling Svensen).

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Chapter 1. Introduction

Pål Prestrud, Hallvard Strøm & Helle V. Goldman



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The Arctic hosts a minor, but unique component of global biodiversity in that it contains endemic species and unique ecological processes and adaptations caused by a short growing season, a long and cold winter during which complete darkness reigns for a period which correlates with latitude (with equivalent periods of midnight sun each summer), and sea ice. Although the Arctic has relatively few species, the genetic diversity of many of these species is high, creating a mosaic of distinct populations and subspecies (Groombridge & Jenkins 2000; CAFF 2001). Knowledge of individual species and their distributions is fundamental in all ecological investigations. As biodiversity is lost across the globe (Wall et al. 2001), it becomes urgently important to document what species are present.

It is generally accepted that High Arctic ecosystems are comparatively simple. The negative correlation between species diversity and latitude, except for groups such as benthic animals, sawflies and sandpipers, is well established. In the context of environmental impact studies (*Miljøundersøkelser på Svalbard*) conducted in Svalbard in the late 1980s (Hansson et al. 1987), a discussion about the simplicity of the archipelago's ecosystems arose. Would it be possible to compile existing information about the species in Svalbard and to document how simple (or complex) the system really is?

The Norwegian Government has set high goals for the management of Svalbard. A white paper to the Parliament (*Stortingsmelding nr. 9 1999–2000 Svalbard*) states that “Svalbard should be one of the world's best managed wilderness areas. In the event of a conflict between environmental and other interests, environmental considerations are to prevail within the limits dictated by treaty

obligations and sovereignty considerations.” Achieving these goals depends on effective conservation and management, which in turn largely depends on up-to-date knowledge about the species, their distribution and their ecology.

In 1987, the Norwegian Polar Institute initiated a review of all published taxonomic material from Svalbard through a list of the species that had been found. That turned out to be a much bigger and time-consuming task than had been anticipated! One reason was the enormous number of publications on the topic. Because Svalbard is so accessible, large numbers of taxonomists have visited the islands over the last couple of centuries. Another reason was what seemed to be insurmountable taxonomic problems and strong disagreements among experts on the different taxonomic groups. On at least two occasions, the project ground to a halt and the draft chapters were shelved for a few years. Paradoxically, this seems to have helped bring the catalogue forward. When the manuscripts were picked up and dusted off, viewpoints seemed to have matured and disagreements lessened; fresh enthusiasm pushed the catalogue toward its completion.

The aim of the present catalogue, a companion to *A catalogue of Svalbard plants, fungi, algae and cyanobacteria* (Elvebakk & Prestrud 1996), has been to critically review the present literature and to use existing data bases to compile an updated species checklist for both marine and terrestrial animals. The catalogue consists of three main parts: the marine macro-organisms in Svalbard waters; the terrestrial and freshwater invertebrate fauna of Svalbard (and Jan Mayen); and the bird and mammal fauna of Svalbard. Each covers the entire Svalbard archipelago, but Chapter 3 also includes the fauna of Jan Mayen.

Svalbard is an archipelago of mountainous islands in the Arctic Ocean, located between latitudes 74° and 81° N and longitudes 10° and 35° E (see the map on the back cover of this volume). It covers a total terrestrial area of approximately 61 200 km². (As of early 2004, Norwegian territorial waters extend 12 nautical miles from land). Svalbard includes the small island of Bjørnøya (Bear Island), which is roughly 240 km south of Spitsbergen and midway between mainland Norway and the main group of islands.

The archipelago's climate is High Arctic, with average summer temperatures reaching only 4–5°C. About 60% of Svalbard is covered by glaciers or ice caps. In Longyearbyen, the islands' main settlement, there are about four months of continuous daylight; the polar night, when the sun stays completely below the horizon, is just a bit shorter. Despite its extreme northern location, the region is one of the most accessible parts of the High Arctic owing to the fact that the waters around the western part of the archipelago are open at least for most of the year. A branch of the North Atlantic Current transports relatively warm and high salinity water northwards into the Barents Sea and along the western coast of Spitsbergen throughout the year. This water mass mixes with cold polar water, resulting in high marine production at the fronts. The large biomass of pelagic invertebrates and fish forms the food base for sizeable populations of marine birds and marine mammals. The waters around the rest of Svalbard, not warmed by the North Atlantic Current, are covered by sea ice during much of the year. The extent of the ice cover varies from year to year (Mehlum & Bakken 1994; Hisdal 1998; Shapiro 2002).

Seeking a northern passage to India and China in 1596, Willem Barentsz discovered Svalbard instead (Arlov 1989). Svalbard's subsequent history can be seen in terms of lengthy, overlapping phases of exploitation: first whaling and the hunting of other marine mammals, then fur-trapping and, finally, coal mining (Arlov 1989; Hjelle 1993; Hisdal 1998). At the beginning of the 21st century, mining continues in Svalbard but scientific study—which began in the 1800s—and nature conservation have become the predominant themes, with tourism playing an increasingly significant role. Among the most northerly of year-round settlements, Ny-Ålesund began as a mining village but is now a base of operations for an international research community. Here, scientists investigate climate change, eco-

toxins transported from industrialized regions in the south and other topics of critical significance. In Longyearbyen, The University Centre in Svalbard brings together natural science students from mainland Norway and beyond.

Conservation has become a high priority. In 2003, five newly proposed protected areas of various categories have increased the total land area under protection to 65% of the archipelago, or roughly 39 500 km² (see the back cover). The total protected marine area is about 74 092 km². The walrus—once brought by hunting to the brink of extermination in the archipelago—is fully protected and is repopulating Svalbard's coasts.

Tourism offers new economic opportunities and environmental challenges. Tourists are attracted to the apparently pristine nature of Svalbard's stunning landscapes but their presence in large numbers potentially damages delicate flora and disturbs wildlife. The increased ship traffic and waste production that accompany growth in tourism constitute other potential threats to the environment.

The isolated island of Jan Mayen is situated between the Greenland Sea and the Norwegian Sea (71° N, 8° 30' W), 1000 km west of Norway, 500 km east of Greenland and 600 km north of Iceland (Gabrielsen et al. 1997; Hacquebord 1998). The island is 54 km long and 2.5 km to 17 km wide. Like Svalbard, Jan Mayen is in a highly biologically productive convergence zone of the south-flowing East Greenland Current and the north-flowing North Atlantic Current. These conditions strongly influence the island's fauna. The vegetation is sparse, with large, virtually bare areas (Knaap & Leeuwen 1998).

The present catalogue comprises a total of 2981 species. Chapter 2 covers the marine macroorganisms (marine invertebrates and fish species larger than ca. 1 mm) found in the Svalbard waters, and a total of 1708 marine species from 18 phyla have been documented in 137 articles and unpublished reports. The largest species diversity is found among the Crustacea with 467 species, followed by the Mollusca with 252 and Annelida with 254 species. Based on the data included in the checklist, 1415 species have been recorded only in the coastal region of the main part of the Svalbard archipelago, 30 have been recorded only at Bjørnøya, and 264 species have been recorded in both areas.

Chapter 3 covers the terrestrial and freshwater invertebrate fauna of Svalbard and Jan

Mayen, and a total of 1040 terrestrial and freshwater species have been extracted from 344 articles. Twelve phyla are represented, eight from the Kingdom Animalia (the Rotifera, Nematoda, Platyhelminthes, Annelida, Tardigrada, Chelicerata, Mandibulata and Crustacea) and four from the Protocista (the Rhizopoda, Actinopoda, Ciliophora and Apicomplexa). The class Insecta is represented by 230 species, with the Diptera forming the largest order (128 species). Fifty-nine species of Collembola have been recorded in Svalbard, and a further 103 invertebrate species have been found on Jan Mayen.

Chapter 4 covers the birds and mammals of Svalbard, and the checklist comprises 202 species of birds and 31 species of mammals. These represent 17 orders and 43 families, and 5 orders and 15 families, respectively. Twenty-eight of the bird species are regarded as abundant or common breeders, and 13 are uncommon, irregular or probable breeders. Twelve species have been recorded as having bred in Svalbard, and the remaining 149 are occasional or rare vagrants. Of the mammals, eight species are regarded as common breeders, whereas 16 species are occasional or rare vagrants. A further six species and one subspecies were introduced but have subsequently become extinct, and one has died out through overexploitation.

All three papers comprise two main sections: the species checklist and the reference list. Each species is presented with its scientific name, followed by numbers corresponding to sources in the reference list. Apart from this, the authors of the individual chapters have been given the freedom to present the basic information they deem most suitable for their group of animals. Chapters 2 and 3 include authorities for each species; Chapter 4 gives authorities only for the mammals. As more is known about the distribution and occurrence of birds and mammals than most other groups in Svalbard, Chapter 4 includes abbreviations describing each species' occurrence rating, and—for the birds—a code indicating whether the record is approved by the committees handling new records of birds in Svalbard or Norway. Chapter 4 also includes the species' common English names.

While the reference sections in this catalogue probably includes most of the relevant publications concerning the marine, freshwater and terrestrial animal fauna of Svalbard, it is important to note that this volume is not a complete list of the fauna. Some of the reasons for this are:

- the majority of collections have been made on the west coast of Spitsbergen, especially in the vicinity of Longyearbyen, Ny-Ålesund and Hornsund, which is more accessible than other parts of the archipelago
- there is a likely bias towards those species which are easily identified compared to those species more difficult to collect or identify
- erroneous identifications
- over-representation of taxa which have been of special interest to Arctic taxonomists
- confusion due to synonyms and inconsistency in reference works
- the original material recorded from Svalbard has simply been compiled—not revised—by the authors of much of the cited literature
- not all records are reported or published

Misinterpretations and errors undoubtedly occur in this list of nearly 3000 species. We would therefore appreciate corrections and additions from readers.

We hope that this volume contributes in some way to the scientific study and environmental conservation of Svalbard. An enormous amount of effort has been invested in this catalogue through the participation of numerous experts, some of whom were consulted directly by the authors of the individual chapters as they worked on their manuscripts and others who served as (mostly anonymous) reviewers. The editors are indebted to the more than 20 referees who donated their time and knowledge to improve this volume; indeed, two had so much to contribute that they were brought on board as co-authors. The editors also thank the authors of each chapter for their perseverance.

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Chapter 2. The marine macro-organisms in Svalbard waters

Rune Palerud, Bjørn Gulliksen, Torleiv Brattegard,
Jon-Arne Sneli & Wim Vader



A checklist of the known marine macro-organisms (larger than ca. 1 mm) in the waters off Svalbard has been compiled based on the data base of species records maintained by Akvaplan-niva, in Tromsø, Norway, in collaboration with the Norwegian College of Fisheries at the University of Tromsø. Currently accepted species names are cross-referenced to the list of 137 published and unpublished sources. The species list comprises a total of 1708 marine species from 18 phyla. The Crustacea have the greatest species diversity with 467 species, followed by the Mollusca with 252 species and the Annelida with 254 species. 1415 of the species are recorded only in the coastal region of the main cluster of islands in the Svalbard archipelago, 29 are recorded only at Bjørnøya, and 264 species are recorded in both parts of the archipelago.

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Knowledge of individual species and their distributions are fundamental in all ecological investigations. In recent years focus has been put into studies of biodiversity, spurred in part by indications from around the globe of the loss of biodiversity at all taxonomic levels, in ecosystems of various scales (Wall et al. 2001). The year 2001 was proclaimed the International Biodiversity Observation Year by DIVERSITAS, the international programme of biodiversity science (Wall et al. 2001). This species list should be viewed against this background.

This list of species was originally compiled as part of the Norwegian Polar Institute's environmental impact studies which were carried out in Svalbard waters to assess the effects of petroleum activity in Svalbard in the 1980s. Our knowledge of the marine fauna in Svalbard waters has increased considerably since then. In 1994, an

initiative from the Ministry of the Environment resulted in a joint venture between several Norwegian researchers to map marine biology in the coastal areas of Svalbard (including Bjørnøya) as well as Jan Mayen. Collected information, including species records, was compiled in a data base that is now administrated and regularly updated by Akvaplan-niva, in Tromsø, in collaboration with the Norwegian College of Fishery Science at the University of Tromsø.

Based on the information in the data base and compilations of earlier published species records, a list of marine benthic macro-organisms in Svalbard and Jan Mayen was published in 1999 by the Directorate for Nature Management (Gulliksen et al. 1999). This report contained records within the latitudes 74°–81° N and longitudes 10°–35° E. Species occurring within each of 17 marine zones around Svalbard was presented. Species found in

the marine areas on the continental shelf around the island of Jan Mayen were also included.

The present publication is an updated version of the species list for the Svalbard area within the coordinates stated above. It has been calibrated against the European Register of Marine Species (ERMS), a research consortium funded by the European Union under the Marine Science and Technology programme (Costello et al. 2001; <http://erms.biol.soton.ac.uk/>).

A total of 1708 marine species (larger than ca. 1 mm) from 18 phyla have been extracted from 137 published and unpublished works. The Crustacea, numbering 467 species, have the greatest species diversity, followed by the Mollusca with 252 species and the Annelida with 254 species (Table 1). Based on data in the checklist, 1415 are recorded only in the coastal region of the main cluster of islands in the Svalbard archipelago, 29 are recorded only at Bjørnøya (Bear Island), and 264 species are recorded in both parts of the archipelago. Each species is listed in Section I and cross-referenced to the appropriate papers in Section II (the reference list).

Although the majority of publications concerning the marine invertebrate and fish fauna of Svalbard have been consulted for this checklist, it does not constitute a complete description of the fauna. The reasons for this include: i) the majority of collections have been made on the west coast of Spitsbergen, which is more accessible than other parts of the archipelago; ii) there is likely to be a bias towards species which are more easily collected and identified; iii) concentration on those taxa that have caught the interest of Arctic taxonomists; iv) misidentifications can have occurred; v) confusion resulting from synonyms and inconsistency in reference works; and finally vi) much of the relevant literature consists of unrevised compilations of previous records. The authors would appreciate corrections and additions from readers. A major problem regarding invertebrate taxonomy is the large number of synonyms. Currently accepted names are used in this checklist; synonyms used in the references cited are published in Gulliksen et al. (1999).

We gratefully acknowledge the financial support of the Directorate for Nature Management, the University Centre in Svalbard, the University of Tromsø, Akvaplan-niva and the Norwegian Polar Institute. We also thank the anonymous reviewers of this manuscript.

Table 1. A summary of the marine macro-organisms in Svalbard waters.

Phylum	Class	Order	No. of species	
Porifera	Calcera		10	
	Hexactinellida		4	
	Demospongiae		132	
Cnidaria	Hydrozoa		106	
	Scyphozoa		7	
	Anthozoa		42	
Ctenophora	Tentaculata		3	
	Nuda		1	
Nemertini			10	
Nematoda			5	
Kamptozoa (Entoprocta)			4	
Priapulida			3	
Echiurida			1	
Sipunculida			5	
Annelida	Polychaeta		253	
	Oligochaeta		1	
Chelicerata	Pycnogonida		25	
Crustacea	Ostracoda		48	
	Copepoda		20	
	Cirripedia		14	
	Malacostraca	Leptostraca		1
		Mysidacea		16
	Cumacea		30	
	Tanaidacea		7	
	Amphipoda		270	
	Isopoda		35	
	Euphausiacea		4	
Decapoda		22		
Mollusca	Caudofoveata		3	
	Solenogastres		2	
	Polyplacophora		5	
	Gastropoda		160	
	Cephalopoda		4	
	Bivalvia		75	
	Scaphopoda		3	
Brachiopoda			7	
Bryozoa			182	
Chaetognata			3	
Echinodermata	Crinoidea		3	
	Asteroidea		28	
	Ophiuroidea		16	
	Echinoidea		5	
	Holothuroidea		14	
Chordata	Larvacea		3	
	Ascidiacea		51	
	Chondrichthyes		5	
	Osteichthyes		65	
Total			1708	

I. Species checklist

Species names currently considered valid are presented along with numbers corresponding to sources in the reference list. The notation “Also Bjørnøya” means that records for the species exist for *both* the main group of Svalbard islands and the archipelago’s small southern outlier, Bjørnøya. “In Svalbard restricted to Bjørnøya”

refers only to the species’ distribution within the Svalbard archipelago and is not intended to describe the species’ global distribution. If followed by a question mark, the species is not registered in the ERMS list. This may have one of the three reasons: the species was not included by the ERMS checklist compiler; the name is considered a synonym; or it is a doubtful species.

Phylum Porifera	References
Class Calcarea	
<i>Clathrina coriacea</i> (Montagu, 1818)	52, 97
<i>Grantia capillosa</i> (Schmidt, 1862)	97
<i>Grantia compressa</i> (Fabricius, 1780)	109
Also Bjørnøya.	
<i>Leucandra egedii</i> (Schmidt, 1870)	10
<i>Leucosolenia complicata</i> (Montagu, 1818)	109
<i>Leucosolenia variabilis</i> (Haeckel, 1870)	10
<i>Pericharax polejaevi</i> Breitfuss, 1896	63, 97
<i>Scycettusa glacialis</i> (Haeckel, 1872)	109, 129
<i>Sycon ciliata</i> (Fabricius, 1780)	10, 53
<i>Sycon raphanus</i> O. Schmidt, 1862	97
Class Hexactinellida	
<i>Schaudinnia arctica</i> Schulze, 1900	106
<i>Schaudinnia rosea</i> (Fristedt, 1887)	68, 106
Also Bjørnøya.	
<i>Scyphidium septentrionale</i> Schulze, 1900	106
<i>Trichasterina borealis</i> Schulze, 1900	106
Class Demospongiae	
<i>Artemisina apollinis</i> Ridley & Dendy, 1886	10, 106
<i>Artemisina arcigera</i> (Schmidt, 1870)	63, 68, 106
Also Bjørnøya.	
<i>Asbestopluma bihamatifera</i> (Carter, 1876)	63, 106
<i>Asbestopluma pennatula</i> (Schmidt, 1875)	63, 106
<i>Axinella variabilis</i> (Vosmaer, 1882)	68, 106
<i>Biemna capillifera</i> (Levinsen, 1886)	106
<i>Biemna gemmulifera</i> Breitfuss, 1897	10
<i>Biemna variantia</i> (Bowerbank, 1858)	97
<i>Bubaris vermiculata</i> (Bowerbank, 1866)	63, 68
Also Bjørnøya.	
<i>Chalina arbuscula</i> Verrill (Fristedt)?	10
<i>Cladorhiza abyssicola</i> M. Sars, 1872	110
<i>Cladorhiza gelida</i> Lundbeck, 1905	10
<i>Cladorhiza oxeata</i> Lundbeck, 1905	10

<i>Cladorhiza tenuisigma</i> Lundbeck, 1905	10
<i>Coelosphaera physa</i> (Schmidt, 1875)	106
<i>Crella pyrula</i> (Carter, 1876)	68, 106
<i>Crellomina derma</i> Hentschel, 1929	10
<i>Crellomina imparidens</i> Rezvoj, 1923	10
<i>Crellomina incrustans</i> Hentschel, 1929	68
<i>Dendoricella flabelliformis</i> (Hansen, 1885)	10, 63, 110
<i>Desmacella groenlandica</i> Fristedt, 1887?	10
<i>Dysidea avara</i> (Schmidt, 1862)	10
<i>Echinoclathria foliata</i> (Bowerbank, 1874)	10
<i>Ectodoryx indistinctus</i> (Fristedt, 1887)	68
Also Bjørnøya.	
<i>Ectyodoryx olgae</i> Hentschel, 1929	10
<i>Ectyodoryx oligacantha</i> Hentschel, 1929	68, 106
<i>Esperiopsis forcipula</i> Lundbeck, 1905	10
<i>Esperiopsis palmata</i> ?	10
<i>Esperiopsis typichela</i> Lundbeck, 1909	68
<i>Esperiopsis villosa</i> (Carter, 1874)	10
<i>Eurypon spitzbergensis</i> (Fristedt, 1887)	10
<i>Forcepia fabricans</i> (Schmidt, 1874)	68
In Svalbard restricted to Bjørnøya.	
<i>Gellius angulatus</i> Lundbeck, 1902	10
<i>Geodia barretti</i> Bowerbank, 1858	7, 33
Also Bjørnøya.	
<i>Geodia mesotriaena</i> (Hentschel, 1929)	106
<i>Halichondria heterorrhaphis</i> Breitfuss, 1912	10
<i>Halichondria labiata</i> Hentschel, 1929	68
<i>Halichondria panicea</i> (Pallas, 1766)	50, 52, 68, 106
Also Bjørnøya.	
<i>Halichondria sitiens</i> (Schmidt, 1870)	68, 106
Also Bjørnøya.	
<i>Halichondria velamentosa</i> (Hansen, 1880)	10
<i>Haliclona arcticus</i> Hentschel, 1916	97
<i>Haliclona cinerea</i> (Grant, 1826)	106
<i>Haliclona glacialis</i> Hentschel, 1916	106
<i>Haliclona groenlandica</i> (Fristedt, 1887)	10
<i>Haliclona laxa</i> (Topsent, 1892)	68, 106
<i>Haliclona mollicula</i> Lundbeck, 1902	106
<i>Haliclona spitzbergensis</i> Hentschel, 1916	97
<i>Haliclona tromsoeica</i> (Hentschel, 1929)	10
<i>Haliclona tubulosa</i> (Fristedt, 1887)?	68, 106
<i>Haliclona urceola</i> (Rathke & Vahl, 1806)	68
<i>Haliclona varia</i> (Bowerbank, 1875)	10
<i>Haliclona ventilabrum</i> (Fristedt, 1887)	10
<i>Halisarca dujardini</i> Johnston, 1842	106
<i>Hamacantha implicans</i> Lundbeck, 1902?	10
<i>Hemigellius arcoferus</i> (Vosmaer, 1885)	68
<i>Hemigellius plexus</i> (Lundbeck, 1909)	10
<i>Hemigellius porosus</i> (Fristedt, 1887)	63, 97

<i>Hexadella dedritifera</i> Topsent, 1904	106
<i>Hymedesmia derjugini</i> (Breitfuss, 1897)	10
<i>Hymedesmia dermatata</i> Lundbeck, 1910	10
<i>Hymedesmia mammilaris</i> (Fristedt, 1885)	68
<i>Hymedesmia truncata</i> Lundbeck, 1910	10
<i>Hymeniacidon fasciculata</i> (Fristedt, 1887)	10, 63
<i>Hymeniacidon perlevis</i> (Montagu, 1818)	63, 106
<i>Hymeraphia verticillata</i> Bowerbank, 1866	10
<i>Inflatella rhodus</i> (Hentschel, 1929)	106
<i>Iophon cilis</i> ?	10
<i>Iophon dubius</i> (Hansen, 1880)	68, 106
<i>Iophon frigidus</i> Lundbeck, 1909	97, 106
<i>Iophon piceus</i> (Vosmaer, 1882)	10
<i>Iotroata rotulancora</i> (Lundbeck, 1905)	68
<i>Isops phlegraei</i> Sollas, 1862	106
<i>Janulum spinispiculum</i> (Carter, 1876)	68
<i>Latrunculia tricincta</i> Hentschel, 1929	10
<i>Lissodendoryx complicata</i> (Hansen, 1885)	106
<i>Lissodendoryx diversichela</i> Lundbeck, 1905	10
<i>Lissodendoryx lundbecki</i> Topsent, 1913	106
<i>Lissodendoryx sophia</i> (Fristedt, 1887)	10
<i>Melonanchora emphysema</i> (Schmidt, 1875)	10
<i>Mycale (Rhaphidotheca) arctica</i> Hentschel, 1929	106
<i>Mycale lingua</i> (Bowerbank 1866)	68
Also Bjørnøya.	
<i>Mycale lobata</i> (Montagu, 1818)	106
<i>Mycale placoides</i> (Carter, 1876)	68
<i>Myxilla brunnea</i> (Hansen, 1880)	68, 106
Also Bjørnøya.	
<i>Myxilla fimbriata</i> (Bowerbank, 1866)	10
<i>Myxilla incrustans</i> (Johnston, 1842)	54, 68, 106
Also Bjørnøya.	
<i>Myxilla perspinosa</i> Lundbeck, 1909	106
<i>Myxilla rosacea</i> (Lieberkühn, 1859)	10
<i>Pachychalina caulifera</i> Vosmaer, 1882?	106
<i>Pachychalina fracta</i> Hentschel, 1929	106
<i>Pachymatisma johnstonia</i> (Bowerbank in Johnston, 1842)	110
<i>Phakellia bowerbanki</i> Vosmaer, 1885	63, 106
<i>Phakellia rugosa</i> (Bowerbank, 1866)	10
<i>Phakellia ventilabrum</i> (L., 1767)	10
<i>Phloeodictyon irregulare</i> (Lundbeck)?	10
<i>Phorbas dendyi</i> (Topsent, 1913)	10
<i>Phorbas roemeri</i> (Hentschel, 1929)	106
<i>Plocamia lundbecki</i> (Breitfuss, 1912)?	10
<i>Plocamionida ambigua</i> (Bowerbank, 1866)	10, 106
<i>Polymastia boletiformis</i> (Lamarck, 1813)	10
<i>Polymastia haemisphaericum</i> M. Sars in G.O. Sars, 1872	106
<i>Polymastia mammilaris</i> (Müller, 1806)	52, 106
<i>Polymastia mammilaris hyperborea</i> Hentschel, 1916	97, 106

<i>Polymastia uberrima</i> (Schmidt, 1870)	106
<i>Psuedosuberites carnosus</i> (Johnston, 1842)	10
<i>Psuedosuberites hyalinus</i> (Ridley & Dendy, 1887)	68
<i>Psuedosuberites montiniger</i> Carter, 1880	10, 97, 106
<i>Quasillina brevis</i> (Bowerbank, 1861)	10, 63
<i>Quasillina richardi</i> Topsent, 1913	10
<i>Reniera heterofibrosa</i> Lundbeck?	68
<i>Rhizaxinella schaudinni</i> Hentschel, 1929	106
<i>Sphaerotylus borealis</i> (Schwartzschevsky, 1906)	63
<i>Sphaerotylus schoenus</i> (Sollas, 1882)	10
<i>Spongosorites fibrosa</i> (Fristedt, 1887)	68, 106
Also Bjørnøya.	
<i>Spongosorites genitrix</i> (Schmidt, 1870)	10
<i>Stelletta raphidiophora</i> Hentschel, 1929	63, 106
<i>Stryphnus fortis</i> (Vosmaer, 1885)	10
<i>Stylocordyla borealis</i> (Lovén, 1868)	106, 110
<i>Suberites luetkeni</i> (Schmidt, 1870)	68
<i>Tedania suctorica</i> Schmidt, 1870	68, 106
<i>Tentorium semisuberites</i> (Schmidt, 1870)	53, 54, 63, 68, 97, 106
<i>Tethya norvegica</i> Bowerbank, 1872	10
<i>Tetilla cranium</i> (Müller, 1776)	10, 106
<i>Tetilla infrequens</i> (Carter, 1876)	106
<i>Tetilla polyura</i> Schmidt, 1870	10
<i>Tetilla sibirica</i> (Fristedt, 1887)	68
<i>Tetilla zetlandica</i> (Carter, 1872)	106
<i>Thenaea levis</i> Lendenfeld, 1903	10
<i>Thenaea valdiviae</i> Lendenfeld, 1903	63, 106
<i>Tragosia sluiteri</i> Vosmaer?	97
<i>Trichostemma grimaldi</i> (Topsent, 1913)?	63
<i>Vosmaeria crustacea</i> Fristedt, 1885	10

Phylum Cnidaria

Class Hydrozoa

<i>Abietinaria abietina</i> (L., 1758)	11, 45, 54, 57, 106
Also Bjørnøya.	
<i>Abietinaria filicula</i> (Ellis & Solander, 1786)	10
<i>Abietinaria pulchra</i> (Nutting, 1904)	10, 57
<i>Aeginopsis laurentii</i> Brandt, 1838	57, 85
<i>Aglantha digitale</i> (O.F. Müller)	119
<i>Aglaophenopsis compressa</i> (Bonnevie, 1899)?	12, 57
In Svalbard restricted to Bjørnøya.	
<i>Bougainvilla superciliaris</i> (L. Agassiz, 1849)	57, 113
<i>Calycella syringa</i> (L., 1767)	11, 57, 106
Also Bjørnøya.	
<i>Campanularia hincksii</i> Alder, 1856	10, 11, 12, 57
Also Bjørnøya.	

<i>Campanularia volubilis</i> (L., 1758) Also Bjørnøya.	11, 12, 54, 57, 106, 110
<i>Candelabrum phrygium</i> (O. Fabricius, 1780)	10
<i>Catablema vesicarium</i> (A. Agassiz, 1862) Also Bjørnøya.	57
<i>Cladocarpus dubius</i> Broch, 1910?	12, 57
<i>Cladocarpus formosus</i> Allman, 1877	110
<i>Clava nudum</i> (Broch, 1909)? Also Bjørnøya.	10, 19, 57, 106
<i>Clytia gracilis</i> (M. Sars, 1850)	10
<i>Clytia hemisphaerica</i> (L., 1767)	12, 97
<i>Corymorpha arctica</i> (Jäderholm)?	10
<i>Corymorpha glacialis</i> M. Sars, 1859	106
<i>Corymorpha groenlandica</i> (Allman, 1876)	10, 57, 106
<i>Corymorpha nutans</i> M. Sars, 1835	73
<i>Corymorpha purpurea</i> (Bonnievie, 1899)?	106
<i>Coryne pusilla</i> (Gärtner in Pallas, 1774) In Svalbard restricted to Bjørnøya.	19
<i>Diphasia fallax</i> (Johnston, 1847)	54, 110
<i>Diphasia thujarioides</i> (Clark)?	106
<i>Diphyes arctica</i> Chun, 1897	104
<i>Diphyes bipartita</i> Costa?	104
<i>Dymella laxa</i> (Allman, 1874)?	10, 57, 106
<i>Eudendrium annulatum</i> Norman, 1864 Also Bjørnøya.	12, 57
<i>Eudendrium capillare</i> Alder, 1856	57, 106
<i>Eudendrium rameum</i> (Pallas, 1766) Also Bjørnøya.	57, 106, 110
<i>Eudendrium tenellum</i> Allman, 1877	12, 57
<i>Eudendrium vaginatum</i> Allman, 1863	10
<i>Euphysa flammea</i> (Linko, 1905) Also Bjørnøya.	57
<i>Filellum expansum</i> Levinsen, 1893?	57
<i>Filellum serpens</i> (Hassall, 1848) Also Bjørnøya.	11, 12, 29, 106
<i>Gonothyrea loveni</i> (Allman, 1859)	57, 73, 97, 106
<i>Grammaria abietina</i> (M. Sars, 1851) Also Bjørnøya.	11, 12, 45, 97, 106, 110
<i>Grammaria immersa</i> Nutting, 1901 Also Bjørnøya.	52, 57, 106
<i>Halecium beanii</i> (Johnston, 1838)	12
<i>Halecium corrugatum</i> Nutting, 1899	106
<i>Halecium curvicaule</i> Lorenz, 1886 Also Bjørnøya.	12, 57, 106
<i>Halecium halecinum</i> (L., 1758)	12, 57, 106
<i>Halecium irregulare</i> Bonnievie, 1899? In Svalbard restricted to Bjørnøya.	11, 12, 57
<i>Halecium kuekenhali</i> Marktanner–Turneretscher, 1890?	12, 57
<i>Halecium labrosum</i> Alder, 1859	106
<i>Halecium minutum</i> Broch, 1903	57, 106

<i>Halecium muricatum</i> (Ellis & Solander, 1786)	11, 12, 24, 29, 73, 97, 106, 110
Also Bjørnøya.	
<i>Halecium ornatum</i> Nutting, 1901	57, 106
<i>Halecium septentrionale</i> Marktanner-Turneretscher, 1890?	12, 57
<i>Halitholus yoldiaarcticae</i> (Birula, 1897)	54, 57, 97
<i>Hybocodon prolifer</i> L. Agassiz, 1862	57
In Svalbard restricted to Bjørnøya.	
<i>Hydractinia allmanii</i> Bonnevie, 1898	110
<i>Hydractinia carica</i> Bergh, 1887	57, 73, 106, 110
<i>Hydractinia monocarpa</i> Allman, 1876	45, 57, 97, 106
<i>Hydrallmania falcata</i> (L., 1758)	10, 57
<i>Lafoea dumosa</i> (Fleming, 1828)	11, 45, 54, 73, 97, 106, 110
Also Bjørnøya.	
<i>Lafoea grandis grandis</i> Hincks, 1874	12, 57
In Svalbard restricted to Bjørnøya.	
<i>Lafoeina maxima</i> (Levinsen, 1893)	52, 53, 57, 97, 106
<i>Lafoeina tenuis</i> M. Sars in G.O. Sars, 1874	12, 57, 97, 106
<i>Leuckartiara abyssi</i> (G.O. Sars, 1874)	10, 12, 57, 106
Also Bjørnøya.	
<i>Modeeria rotunda</i> (Quoy & Gaimard, 1827)	10, 57
Also Bjørnøya.	
<i>Monobrachium parasitum</i> Mereschkowsky, 1877	12, 24, 57, 73, 110
<i>Nemertesia antennina</i> (L., 1758)	10, 57
Also Bjørnøya.	
<i>Obelia dichotoma</i> (L., 1758)	10, 97
<i>Obelia geniculata</i> (L., 1758)	10
<i>Obelia longissima</i> (Pallas, 1766)	10, 97
<i>Orthophyxis crenata</i> Hartlaub, 1901	10, 57
<i>Orthophyxis integra</i> (MacGillivray, 1842)	106
<i>Pantachogon haeckeli</i> Maas, 1893	57
<i>Podocoryne carnea</i> M. Sars, 1846	12, 57
<i>Ptychogastria polaris</i> Allman, 1878	45, 53, 54, 57, 85
<i>Rhizocaulus verticillatus</i> (L., 1758)	11, 51, 97, 106
<i>Sarsia brachygaster</i> Grönberg, 1898?	57
<i>Sarsia princeps</i> (Haeckel, 1879)	57
<i>Sarsia tubulosa</i> (M. Sars, 1835)	45
<i>Schizotricha polaris</i> Naumov, 1960	57
<i>Schizotricha variabilis</i> (Bonnevie, 1899)	12, 57
In Svalbard restricted to Bjørnøya.	
<i>Sertularella gaudichaudi</i> (Lamouroux in de Freycinet, 1824)?	57
<i>Sertularella polyzonias</i> (L., 1758)	11, 12, 73, 106, 110
Also Bjørnøya.	
<i>Sertularella rugosa</i> (Alder, 1857)	10
<i>Sertularella tenella</i> (Alder, 1857)	12, 57
<i>Sertularia albimaris</i> Mereschowsky, 1878	12, 57
<i>Sertularia fabricii</i> (Versluys, 1899)	10
<i>Sertularia mirabilis</i> (Verrill, 1872)	11, 12, 57, 106
Also Bjørnøya.	

<i>Sertularia tenera</i> G.O. Sars, 1874 Also Bjørnøya.	50, 57, 106, 109, 110
<i>Staurostoma mertensii</i> (Brandt, 1834)	10, 57
<i>Stegopoma plicatile</i> (M. Sars, 1863)	12, 57, 97, 106, 110
<i>Symplectoscyphus tricuspoidatus</i> (Alder, 1856) Also Bjørnøya.	10, 11, 12, 29, 51, 57, 97, 106, 110, 113
<i>Tetrapoma quadridentata</i> (Hincks, 1874) Also Bjørnøya.	10, 57, 106
<i>Thuiaria arctica</i> (Bonnievie, 1899)? Also Bjørnøya.	12, 57, 106, 110
<i>Thuiaria articulata</i> (Pallas, 1776)	10, 57, 106
<i>Thuiaria carica</i> Levinsen, 1893 Also Bjørnøya.	57, 106
<i>Thuiaria cupressoides</i> (Lepechin, 1783)	10, 57
<i>Thuiaria decemserialis</i> (Mereschkowsky) In Svalbard restricted to Bjørnøya.	12, 57
<i>Thuiaria obsoleta</i> (Lepechin, 1781) Also Bjørnøya.	12, 57, 106, 110
<i>Thuiaria thuja</i> (L., 1758)	11
<i>Thuiaria variabilis</i> Broch, 1918	10
<i>Tiaropsis multicirrata</i> (M. Sars, 1835)	10
<i>Toichopoma obliqua</i> (Hincks, 1874)?	57, 97, 106
<i>Tubularia christinae</i> (Hartlaub)? In Svalbard restricted to Bjørnøya.	12
<i>Tubularia cornucopia</i> Bonnievie, 1899	110
<i>Tubularia indivisa</i> L., 1758	110
<i>Tubularia larynx</i> Ellis & Solander, 1786	57
<i>Tubularia regalis</i> Boeck, 1860 Also Bjørnøya.	11, 52, 57, 110
<i>Tulpa speciosa</i> (Clark, 1876)	106

Class Scyphozoa

<i>Cyanea capillata</i> (L. 1758).	66, 85, 119
<i>Depastrum cyathiforme</i> (M. Sars, 1846)	10, 57
<i>Haliclystus auricula</i> O. Fabricius, 1780 Also Bjørnøya.	10, 19
<i>Lucernaria haeckeli</i> (Antipa, 1892)	10, 57
<i>Lucernaria infundibulum</i> Haeckel, 1880	10, 57
<i>Lucernaria quadricornis</i> O. F. Müller, 1776	45
<i>Lucernaria walteri</i> (Antipa, 1892)	10, 57

Class Anthozoa

<i>Aethelmis schaudinnii</i> Carlgren, 1921	10
<i>Actinia equina</i> (L., 1758)	81, 109
<i>Allantactis parasitica</i> Danielssen, 1890	52, 53, 57
<i>Arachnactis albida</i> M. Sars, 1846	57
<i>Aulactinia spetzbergensis</i> (Carlgren, 1921)	10, 57
<i>Aulactinia stella</i> (Verrill, 1864)	10, 57
<i>Cactosoma abyssorum</i> Danielssen, 1890	10

<i>Cerianthus lloydi</i> Gosse, 1859	10, 18, 57, 81
<i>Clavularia alba</i> (Grieg, 1888)	10
<i>Clavularia arctica</i> (M. Sars, 1860)	10
<i>Cribrinopsis similis</i> Carlgren, 1921	10, 57
<i>Drifa glomerata</i> (Verrill, 1869)	14, 24, 45, 97, 106, 110
<i>Duva florida</i> (Rathke in O.F. Müller, 1806)	14, 18, 54, 106, 110
<i>Edwardsia andresi</i> Danielssen, 1890	18
<i>Edwardsia arctica</i> Carlgren, 1921	10
<i>Edwardsia finmarchica</i> Carlgren, 1921	109
<i>Edwardsia vitrea</i> (Danielssen, 1890)	10, 57
<i>Epizoanthus beerenislanticus</i> Carlgren, 1913	10, 57
Also Bjørnøya.	
<i>Epizoanthus danielsseni</i> Carlgren, 1913	10, 57
Also Bjørnøya.	
<i>Epizoanthus erdmanni</i> (Danielssen, 1890)	10, 57
Also Bjørnøya.	
<i>Epizoanthus glacialis</i> Danielssen, 1890	10
<i>Gersemia fruticosa</i> (M. Sars, 1860)	14, 45, 97, 106
Also Bjørnøya.	
<i>Gersemia rubiformis</i> (Ehrenberg, 1834)	14, 24, 52, 53, 54, 97, 106, 110
Also Bjørnøya.	
<i>Gersemia uvaeformis</i> (May, 1900)	97, 106
<i>Glandulactis spetsbergensis</i> (Carlgren, 1893)	10, 17, 45, 57
Also Bjørnøya.	
<i>Halcampa arctica</i> Carlgren, 1893	57
<i>Haliactis arctica</i> Carlgren, 1921	57
Also Bjørnøya.	
<i>Hormathia digitata</i> (O.F. Müller, 1776)	45
Also Bjørnøya.	
<i>Hormathia nodosa</i> (O. Frabicius, 1780)	45, 52, 54
Also Bjørnøya.	
<i>Isozoanthus bulbosus</i> Carlgren, 1913	10, 57
<i>Kadosactis spitzbergensis</i> (Danielssen, 1890)	10
<i>Liponema multicornis</i> (Verrill, 1879)	10, 57
Also Bjørnøya.	
<i>Nematostella nathorsti</i> (Carlgren, 1921)	10, 57
<i>Nematostella polaris</i> (Carlgren, 1921)	10, 57
<i>Pycnanthus densus</i> Carlgren, 1921	57
In Svalbard restricted to Bjørnøya.	
<i>Stomphia coccinea</i> (O.F. Müller, 1776)	45, 57
Also Bjørnøya.	
<i>Stomphia polaris</i> (Danielsen, 1890)	10, 57, 110
Also Bjørnøya.	
<i>Umbellula encrinus</i> (L., 1758)	54, 57
<i>Urticina crassicornis</i> (O.F. Müller, 1776)	10, 57
<i>Urticina eques</i> (Gosse, 1860)	10
<i>Urticina felina</i> (L., 1761)	17, 45, 52, 54
Also Bjørnøya.	

<i>Virgularia tuberculata</i> Marshall, 1833 Also Bjørnøya.	10, 57
Phylum Ctenophora	
Class Tentaculata	
<i>Bolinopsis infundibulum</i> (O.F. Müller, 1776) Also Bjørnøya.	35, 57, 105
<i>Mertensia ovum</i> (Fabricius, 1780) Also Bjørnøya.	105
<i>Pleurobrachia pileus</i> (Fabricius, 1780) Also Bjørnøya.	35, 105, 119
Class Nuda	
<i>Beroe cucumis</i> Fabricius, 1780 Also Bjørnøya.	35, 57, 105
Phylum Nemertini	
<i>Amphiporus fabricii</i> Levinsen, 1879	10
<i>Amphiporus groenlandicus</i> Ørsted, 1843	16, 106
<i>Cerebratulus barentsi</i> Bürger, 1895	16, 106
<i>Cerebratulus fuscus</i> (McIntosh, 1873)	16, 106
<i>Cerebratulus marginatus</i> Renier, 1804	16, 106
<i>Cryptonemertes actinophila</i> (Bürger, 1904) Also Bjørnøya.	10, 106
<i>Emplectonema incompta</i> Ehlers, 1871 ?	10
<i>Micrura purpurea</i> (Dalyell, 1853)	106
<i>Nipponnemertes pulchra</i> (Johnston, 1837)	106
<i>Tubulanus annulatus</i> (Montagu, 1804)	106
Phylum Nematoda	
<i>Anoplostoma gracile</i> Linstow, 1900 ?	106
<i>Enoplus communis</i> Bastian, 1865	106
<i>Enoplus edentatus</i> Linstow, 1900 ?	106
<i>Spilophora punctata</i> Linstow, 1900 ? In Svalbard restricted to Bjørnøya.	135
<i>Thoracostoma denticaudatum</i> Schn. ? Also Bjørnøya.	135, 106
Phylum Kamptozoa (Entoprocta)	
<i>Barentsia gracilis</i> (M. Sars, 1835)	10
<i>Barentsia major</i> Hincks, 1888 ?	10
<i>Barentsia variarticulata</i> K.A. Andersson, 1902 ?	10
<i>Loxosoma phascolosomata</i> (C. Vogt, 1876)	10
Phylum Priapulida	
<i>Halicryptus spinulosus</i> von Siebold, 1849	36, 70, 81, 127, 129

<i>Priapulopsis bicaudatus</i> (Danielssen, 1868)	36, 45, 52
<i>Priapulus caudatus</i> Lamarck, 1816	24, 36, 45, 51, 53, 54, 70, 81, 108, 113

Phylum Echiurida

<i>Hamingia arctica</i> Koren & Danielssen, 1881	45, 54
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Phylum Sipunculida

<i>Golfingia margaritacea</i> (M. Sars, 1851)	24, 36, 45, 52, 53, 54, 70, 81
<i>Nephasoma eremita</i> (M. Sars, 1851)	36, 45
<i>Nephasoma lilljeborgi</i> (Koren & Danielssen, 1880)	65
<i>Nephasoma minutum</i> (Keferstein, 1862)	24, 36
<i>Phascolion strombus</i> (Montagu, 1804)	24, 36, 52, 54

Phylum Annelida

Class Polychaeta

<i>Abyssoninoe hibernica</i> (McIntosh, 1903)	24
<i>Acanthicolepis asperrima</i> (M. Sars, 1861)	59
<i>Aglaophamus malmgreni</i> Théel, 1879	15, 24, 51, 52, 53, 54, 106, 113
<i>Amage auricula</i> Malmgren, 1866	3, 52, 71
<i>Amagopsis klugei</i> Pergament & Hlebovic, 1964	10
<i>Ampharete acutifrons</i> (Grube, 1860)	3, 59, 71, 81, 106
<i>Ampharete falcata</i> Eliason, 1955	51
<i>Ampharete finmarchica</i> (M. Sars, 1864)	3, 24, 51, 59, 71, 81, 106
<i>Ampharete goesi</i> Malmgren, 1866	3, 24, 51, 59, 71, 106, 129
<i>Ampharete lindstroemi</i> Malmgren, 1867	24, 51
<i>Ampharete vega</i> (Wirén, 1883)	3, 59, 71
<i>Amphicteis gunneri</i> (M. Sars, 1835)	3, 24, 51, 53, 54, 71, 106
<i>Amphicteis sundevalli</i> Malmgren, 1865	3, 59, 71
<i>Amphitrite cirrata</i> O. F. Müller, 1771 Also Bjørnøya.	3, 24, 50, 54, 59, 71, 81, 106, 109, 129
<i>Anobothrus gracilis</i> (Malmgren, 1866)	10, 24, 51, 52
<i>Apistobranchus tullbergi</i> (Théel, 1879)	70
<i>Arenicola marina</i> (L., 1758)	10
<i>Aricidea hartmani</i> Strelzov, 1968	24
<i>Artacama proboscidea</i> Malmgren, 1866	3, 45, 51, 54, 59, 71
<i>Augeneria algida</i> (Wirén, 1901)	10, 59
<i>Autolytus prismaticus</i> (O. Fabricius, 1780)	3
<i>Autolytus prolifer</i> (O.F. Müller, 1784)	3, 106
<i>Autolytus verrilli</i> Marenzeller, 1892	3, 59, 106
<i>Axionice flexuosa</i> (Grube, 1860)	3, 59, 71, 106
<i>Axionice maculata</i> (Dalyell, 1853)	3, 59, 71, 106
<i>Baffinia hesslei</i> (Annenkova, 1924)	10
<i>Bathyfauvelia affinis</i> (Fauvel, 1914)	10, 59
<i>Bispira crassicornis</i> (M. Sars, 1851)	10

<i>Brada granulosa</i> Hansen, 1880	10, 59
<i>Brada incrustata</i> Støp-Bowitz, 1948	10, 59
<i>Brada inhabilis</i> (Rathke, 1843)	3, 24, 51, 53, 54, 59, 106, 108,
<i>Brada rugosa</i> (Hansen, 1882)	10, 59
<i>Brada villosa</i> (Rathke, 1843)	3, 24, 51, 54, 59, 70, 81, 106, 113
<i>Branchiomma infarctum</i> (Krøyer, 1856)	3, 54, 106
<i>Bushiella evoluta</i> (Bush, 1905)	59
<i>Bushiella verruca</i> (O. Fabricius, 1780)	3, 10, 45, 59, 106
<i>Bylgides annenkovae</i> Pettibone, 1993	10, 59
Also Bjørnøya.	
<i>Bylgides elegans</i> (Théel, 1879)	10, 59
<i>Bylgides promamme</i> (Malmgren, 1867)	10, 59, 106
<i>Bylgides sarsi</i> (Kinberg in Malmgren, 1865)	53, 72, 81, 106, 108
Also Bjørnøya.	
<i>Capitella capitata</i> (O. Fabricius, 1780)	3, 24, 50, 51, 52, 70, 81, 119, 129
Also Bjørnøya.	
<i>Chaetozone abranchiata</i> (Hansen, 1878)	106
<i>Chaetozone setosa</i> Malmgren, 1867	3, 15, 51, 52, 53, 54, 106, 129
<i>Chirimia biceps</i> (M. Sars, 1861)	53, 106
<i>Chitinopoma serrula</i> (Stimpson, 1854)	10, 24, 59
<i>Chone dunerii</i> Malmgren, 1867	3, 24, 81
<i>Chone infundibuliformis</i> Krøyer, 1856	3, 24, 51, 106, 119, 129
<i>Chone paucibranchiata</i> (Krøyer, 1856)	24
<i>Circeis spirillum</i> (L., 1758)	3, 81, 106, 109
<i>Cirratulus cirratus</i> (O.F. Müller, 1776)	3, 24, 50, 52, 53
Also Bjørnøya.	
<i>Cirrophorus branchiatus</i> Ehlers, 1908	24
<i>Clymenura polaris</i> (Théel, 1879)	3, 24
<i>Cossura longocirrata</i> Webster & Benedict, 1887	24, 53, 70
<i>Diplocirrus glaucus</i> (Malmgren, 1867)	51, 53, 70
<i>Diplocirrus hirsutus</i> (Hansen, 1879)	3, 24, 106
<i>Diplocirrus longisetosus</i> (Marenzeller, 1890)	10, 59
<i>Dipolydora caulleryi</i> (Mesnil, 1897)	24
<i>Dipolydora coeca</i> (Ørsted, 1843)	3
<i>Dipolydora quadrilobata</i> (Jacobi, 1883)	10
<i>Dorvillea roemeri</i> (Augener, 1912)	3
<i>Dorvillea rubrovittata</i> (Grube, 1855)	3
<i>Dysponetus pygmaeus</i> Levinsen, 1879	3
<i>Eclysippe vanelli</i> (Fauvel, 1936)	24
<i>Ehlersia cornuta</i> (Rathke, 1843)	3, 24, 106
<i>Eteone arctica</i> Malmgren, 1867	10, 59
<i>Eteone barbata</i> (Malmgren, 1865)	3
<i>Eteone flava</i> (O. Fabricius, 1780)	51, 106, 129
<i>Eteone longa</i> (O. Fabricius, 1780)	3, 51, 81, 106
<i>Eteone spetsbergensis</i> Malmgren, 1865	3, 51, 53, 59, 81
<i>Euchone analis</i> (Krøyer, 1865)	3, 45, 53, 106, 109, 119
<i>Euchone elegans</i> Verrill, 1873	24
<i>Euchone papillosa</i> (M. Sars, 1851)	3, 24, 51, 106, 129
<i>Euchone rubrocincta</i> (M. Sars, 1861)	53

<i>Euclymene affinis</i> (M. Sars in G.O. Sars, 1872)	70
<i>Euclymene droebachiensis</i> (M. Sars in G.O. Sars, 1872)	10
<i>Eucranta villosa</i> Malmgren, 1865	59, 106
<i>Eulalia bilineata</i> (Johnston, 1840)	106
<i>Eulalia hanssoni</i> Pleijel, 1987	10, 59
<i>Eulalia viridis</i> (L., 1767)	106
<i>Eumida arctica</i> (Annenkova, 1946)	102
In Svalbard restricted to Bjørnøya.	
<i>Eumida sanguinea</i> (Ørsted, 1843)	3
<i>Eunice norvegica</i> (L., 1767)	3
<i>Eunice pennata</i> (O.F. Müller, 1776)	10, 59
<i>Eunoe nodosa</i> (M. Sars, 1861)	3, 15, 45, 59, 70, 72, 106, 129
<i>Eunoe oerstedii</i> Malmgren, 1866	59
<i>Euphrosine borealis</i> Ørsted, 1843	106
<i>Eupolymnia nesidensis</i> (Delle Chiaje, 1828)	10
<i>Eusyllis blomstrandii</i> Malmgren, 1867	3, 24, 59, 106
Also Bjørnøya.	
<i>Eusyllis monilicornis</i> Malmgren, 1867	59, 109
<i>Fabricia stellaris</i> (O.F. Müller, 1774)	19, 81, 106, 127
Also Bjørnøya.	
<i>Filograna implexa</i> Berkeley, 1828	3, 45, 106
<i>Flabelligera affinis</i> M. Sars, 1829	3, 54, 59, 81, 106, 109
<i>Gattyana amondseni</i> (Malmgren, 1867)	3, 59
<i>Gattyana cirrhosa</i> (Pallas, 1766)	15, 59, 106, 129
<i>Glycera alba</i> (O.F. Müller, 1776)	53
<i>Glycera capitata</i> Ørsted, 1843	24, 51, 52, 106
<i>Glyphanostomum pallescens</i> (Théel, 1879)	3, 24, 59, 71, 106
<i>Gyptis golikovi</i> (Averintsev, 1990)	10
<i>Harmothoe alba</i> (Malmgren, 1865)	10
<i>Harmothoe aspera</i> (Hansen, 1878)	3, 52, 59
<i>Harmothoe borealis</i> (Théel, 1879)	10, 59
<i>Harmothoe fragilis</i> Moore, 1910	3, 24, 52, 59, 106
<i>Harmothoe globifera</i> (G.O. Sars, 1873)	3, 59
<i>Harmothoe imbricata</i> (L., 1767)	3, 24, 51, 59, 66, 70, 72, 81, 109, 119, 129
<i>Harmothoe rarispina</i> (M. Sars, 1861)	3, 59, 106, 109
<i>Heteromastus filiformis</i> (Claparède, 1864)	24, 51, 53, 70
<i>Hyalinoecia tubicola</i> (O.F. Müller, 1776)	3, 45
<i>Hyalopomatus claparedii</i> Marenzeller, 1878)	10
<i>Hydroides norvegicus</i> Gunnerus, 1768	3, 45
<i>Jasmineira schaudinni</i> Augener, 1925	106
<i>Jugaria granulata</i> (L., 1767)	3, 106
<i>Jugaria quadrangularis</i> (Stimpson, 1854)	10, 59
<i>Jugaria similis</i> (Bush, 1905)	10, 59
<i>Laetmonice filicornis</i> Kinberg, 1855	10
<i>Lanassa nordenskiöldi</i> Malmgren, 1866	3, 24, 51, 71, 106
<i>Lanassa venusta</i> (Malm, 1874)	24, 51
<i>Laonice cirrata</i> (M. Sars, 1851)	3, 24, 51, 52, 53, 54, 106, 113

<i>Laonice sarsi</i> Söderström, 1920	24
<i>Laonome kroeyeri</i> Malmgren, 1865	3
<i>Laphania boeckii</i> Malmgren, 1866	3, 24, 51, 59, 71
<i>Leaena ebranchiata</i> (M. Sars, 1865)	3, 24, 51, 59, 71, 106, 129
<i>Lepidonotus squamatus</i> (L., 1758)	51, 54, 59, 109
<i>Levinsenia gracilis</i> (Tauber, 1879)	10, 24, 53, 70
<i>Lumbriclymene minor</i> Arwidsson, 1906	24
<i>Lumbrineris mixochaeta</i> Oug, 1998	99
<i>Lumbrineriopsis magnidentata</i> (Winsnes, 1981)	10
<i>Lysippe labiata</i> Malmgren, 1866	3, 24, 51, 59, 70, 71, 106
<i>Macellicephalo longipalpa</i> Uschakov, 1957	10, 59
<i>Macellicephalo violacea</i> (Levinsen, 1887)	10, 59
<i>Maldane sarsi</i> Malmgren, 1865	3, 15, 24, 51, 52, 53, 54, 70, 106, 113
<i>Malmgreniella arenicolae</i> (Saint-Joseph, 1888)	10, 59
<i>Malmgreniella glabra</i> (Malmgren, 1865)	52, 59, 81
<i>Malmgreniella lunulata</i> (Delle Chiaje, 1830)	54
<i>Marenzelleria wireni</i> Augener, 1913	10
<i>Melaenis loveni</i> Malmgren, 1865	3, 59
<i>Melinna cristata</i> (M. Sars, 1851) Mackie & Pleijel 1995	3, 24, 51, 52, 53, 71, 106
<i>Melinna elizabethae</i> McIntosh, 1885	10
<i>Melinnopsis arctica</i> (Annenkova, 1931)	10
<i>Melythasides laubieri</i> Desbruyères, 1978	24, 71
<i>Myriochele danielsseni</i> Hansen, 1879	53
<i>Myriochele fragilis</i> Nilsen & Holthe, 1985	24
<i>Myriochele heeri</i> Malmgren, 1867	3, 24, 52, 53, 93
<i>Myriochele oculata</i> Zaks, 1923	24, 52, 53, 70, 93
<i>Mystides caeca</i> Langerhans, 1880	3
<i>Myxicola infundibulum</i> (Renier, 1804)	24
<i>Myzostomum giganteum</i> Nansen, 1885	59
<i>Naineris quadricuspida</i> (O. Fabricius, 1780) Also Bjørnøya.	3, 50, 109
<i>Nemidia torelli</i> Malmgren, 1866	3, 24, 59
<i>Neoamphitrite affinis</i> (Malmgren, 1866)	3, 59, 71, 106
<i>Neoamphitrite groenlandica</i> Malmgren, 1866	51, 59, 71, 106
<i>Nephtys ciliata</i> (O.F. Müller, 1776)	3, 24, 51, 53, 70, 106, 119
<i>Nephtys paradoxa</i> Malm, 1874	24, 52, 106
<i>Nephtys pente</i> Rainer, 1984	24
<i>Nereilinum murmanicum</i> Ivanov, 1961	53, 54
<i>Nereimyra aphroditoides</i> (O. Fabricius, 1780)	3
<i>Nereimyra arctica</i> (Malmgren, 1867)	10, 59
<i>Nereimyra punctata</i> (O.F. Müller, 1776)	54, 70, 129
<i>Nereis pelagica</i> L., 1758 Also Bjørnøya.	3, 45, 50, 52, 109, 119
<i>Nereis zonata</i> Malmgren, 1867 Also Bjørnøya.	3, 24, 52, 72, 106, 119
<i>Nicolea venustula</i> (Montagu, 1818)	3, 59, 71, 106

<i>Nicolea zostericola</i> (Ørsted, 1844)	10, 50, 54, 59, 71
Also Bjørnøya.	
<i>Nicomache lumbricalis</i> (O. Fabricius, 1780)	3, 24, 51, 52, 106
<i>Nicomache minor</i> Arwidsson, 1906	3
<i>Nicomache quadrispinata</i> Arwidsson, 1906	3
<i>Nothria conchylega</i> (M. Sars, 1835)	3, 24, 45, 52, 53, 106
<i>Notomastus latericeus</i> M. Sars, 1851	24, 106
<i>Notoproctus oculatus</i> Arwidsson, 1907	3, 24, 59, 106
<i>Ophelia borealis</i> (Quatrefages, 1866)	52, 59, 106
<i>Ophelina abranchiata</i> Støp-Bowitz, 1948	24
<i>Ophelina acuminata</i> Ørsted, 1843	3, 24, 45, 51, 53, 54, 59, 70, 106, 108, 119
<i>Ophelina cylindrocaudata</i> (Hansen, 1878)	3, 59, 106
<i>Ophelina helgolandica</i> Augener, 1912	106
<i>Ophelina opisthobranchia</i> Wirén, 1901	3
<i>Ophryotrocha puerilis</i> Claparède & Mecznirow, 1869	10
<i>Owenia fusiformis</i> Delle Chiaje, 1841	3, 24, 51, 93
<i>Paradexiospira violacea</i> (Levinsen, 1884)	3, 59
<i>Paradoneis lyra</i> (Southern, 1914)	24
<i>Paraleospira vitrea</i> (O. Fabricius, 1780)	59, 106
<i>Paramphinome jeffreysii</i> (McIntosh, 1868)	24
<i>Paramphitrite birulai</i> (Solowiew, 1899)	24, 109
<i>Paranaitis wahlbergi</i> (Malmgren, 1865)	59, 102, 106
<i>Paraninoe minuta</i> (Théel, 1879)	10
<i>Pectinaria auricoma</i> (O.F. Müller, 1776)	51
<i>Pectinaria granulata</i> (L., 1767)	52, 71
<i>Pectinaria hyperborea</i> (Malmgren, 1866)	3, 15, 24, 51, 52, 53, 70, 71, 106, 108
<i>Pectinaria koreni</i> (Malmgren, 1866)	51, 52, 54
<i>Petaloproctus borealis</i> Arwidsson, 1906	10
<i>Petaloproctus tenuis</i> (Théel, 1879)	3, 106
<i>Pherusa arctica</i> Støp-Bowitz, 1948	24
<i>Pherusa plumosa</i> (O.F. Müller, 1776)	3, 24, 53, 54, 59, 72, 106
<i>Phisidia aurea</i> Southward, 1956	24
<i>Pholoe inornata</i> Johnston, 1839	3, 50, 51, 70, 81, 106
Also Bjørnøya.	
<i>Pholoe synophthalmica</i> Claparède, 1868	24, 70
<i>Phyllodoce citrina</i> Malmgren, 1865	3, 10, 59, 81, 102
<i>Phyllodoce groenlandica</i> Ørsted, 1842	3, 10, 24, 51, 53, 70, 102, 106, 108, 129
<i>Phyllodoce maculata</i> (L., 1767)	3, 45
<i>Phyllodoce mucosa</i> Ørsted, 1843	10
<i>Pionosyllis compacta</i> Malmgren, 1867	3
<i>Pista cristata</i> (O.F. Müller, 1776)	3, 59, 71
<i>Placostegus tridentatus</i> (J.C. Fabricius, 1779)	3, 45, 106
Also Bjørnøya.	
<i>Polarushakov polaris</i> (Uschakov, 1957)	10
<i>Polycirrus arcticus</i> M. Sars, 1865	3, 24, 52, 53, 59, 71, 106, 113, 129

<i>Polycirrus medusa</i> Grube, 1850	3, 24, 51, 59, 70, 71, 106, 119, 129
<i>Polycirrus norvegicus</i> (Wollebæk, 1912)	54
<i>Polydora ciliata</i> (Johnston, 1838)	24
<i>Polyphysia crassa</i> (Ørsted, 1843)	3, 51, 106
<i>Potamilla neglecta</i> (M. Sars, 1851)	3, 52, 106
<i>Praxillella affinis</i> (M. Sars in G.O. Sars, 1872)	10
<i>Praxillella gracilis</i> (M. Sars, 1861)	3, 24, 51, 106, 113
<i>Praxillella praetermissa</i> (Malmgren, 1866)	3, 24, 106, 129
<i>Praxillura longissima</i> Arwidsson, 1907	3, 24
<i>Prionospio cirrifera</i> Wirén, 1883	3, 106
<i>Proceraea prismatica</i> (O.F. Müller, 1776)	59
<i>Proclea graffi</i> (Langerhans, 1884)	24
<i>Proclea malmgreni</i> (Ssolowiew, 1899)	51
<i>Protula globifera</i> (Théel, 1876)	10
<i>Protula similis</i> (Marion & Bobretzky, 1875)	3, 106
<i>Protula tubularia</i> (Montagu, 1803)	10
<i>Pseudoscalibregma longisetosum</i> (Théel, 1879)?	3
<i>Pygospio elegans</i> Claparède, 1863	24, 50, 81
Also Bjørnøya.	
<i>Rhodine gracilior</i> Tauber, 1879	3, 24, 51
<i>Rhodine loveni</i> Malmgren, 1865	10
<i>Sabella fabricii</i> Fauvel, 1927	3, 45, 106
<i>Sabellides borealis</i> M. Sars, 1856	3, 51, 59, 71
<i>Sabellides octocirrata</i> (M. Sars, 1835)	81
<i>Samytha sexcirrata</i> (M. Sars, 1856)	3, 59, 71
<i>Samythella neglecta</i> Wollebæk, 1912	53, 59, 71
<i>Scalibregma inflatum</i> Rathke, 1843	3, 24, 51, 70, 106, 113, 129
Also Bjørnøya.	
<i>Scoletoma fragilis</i> (O.F. Müller, 1776)	3, 15, 24, 45, 52, 53, 54, 72, 81, 106, 108, 113, 119
<i>Scoletoma impatiens</i> (Claparède, 1868)	108
<i>Scoloplos armiger</i> (O.F. Müller, 1776)	3, 51, 59, 70, 81, 106, 127, 129
<i>Sosanopsis wireni</i> Hessle, 1917	24
<i>Sphaerodoropsis minuta</i> (Webster & Benedict, 1887)	10
<i>Sphaerodorum gracilis</i> (Rathke, 1843)	24, 51, 106
<i>Sphaerosyllis erinaceus</i> Claparède, 1863	24, 59, 106
<i>Spinther citrinus</i> (Stimpson, 1854)	3
<i>Spio armata</i> (Thulin, 1957)	24
<i>Spio decoratus</i> Bobretzky, 1870	24, 70
<i>Spio filicornis</i> (O.F. Müller, 1776)	3, 24, 50, 51, 81, 106, 129
Also Bjørnøya.	
<i>Spio martinensis</i> Mesnil, 1896	10
<i>Spiochaetopterus typicus</i> M. Sars, 1856	3, 24, 51, 52, 53, 106, 113
<i>Spiophanes kroyeri</i> Grube, 1860	3, 24, 106
<i>Spiophanes wigleyi</i> Pettibone, 1962	70
<i>Spirorbis spirorbis</i> (L., 1758)	10, 59

<i>Streblosoma bairdi</i> (Malmgren, 1866)	10
<i>Syllis armillaris</i> (O.F. Müller, 1776)	106
<i>Syllis fasciata</i> Malmgren, 1867	3, 59, 106, 129
Also Bjørnøya.	
<i>Syllis oerstedii</i> (Malmgren, 1867)	10, 59
<i>Terebellides stroemi</i> M. Sars, 1835	3, 15, 24, 45, 51, 52, 53, 59, 70, 71, 106, 119, 129
<i>Thelepus cincinnatus</i> (O. Fabricius, 1780)	3, 24, 45, 50, 51, 52, 53, 59, 71, 72, 106, 113
Also Bjørnøya.	
<i>Travisia forbesii</i> Johnston, 1840	3, 59, 81, 108, 129
<i>Trichobranchus glacialis</i> Malmgren, 1866	3, 24, 45, 51, 59, 71

Class Oligochaeta

<i>Lumbricillus pagenstecheri</i> (Ratzel, 1869)	59, 119
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Phylum Chelicerata

Class Pycnogonida

<i>Boreonymphon robustum</i> (Bell, 1855)	45, 60, 97, 106, 110
<i>Colossendeis proboscidea</i> (Sabine, 1870)	53, 54, 90
Also Bjørnøya.	
<i>Eurycyde hispida</i> (Krøyer, 1844)	106
<i>Nymphon elegans</i> H.J. Hansen, 1887	106, 110
<i>Nymphon gracilipes</i> Heller, 1875?	54, 110, 106
<i>Nymphon grossipes</i> (O. Fabricius, 1780)	97, 106, 110, 112
<i>Nymphon hirtipes</i> Bell, 1853	45, 54, 110
<i>Nymphon hirtum</i> Krøyer, 1844	60
<i>Nymphon leptocheles</i> G.O. Sars, 1888	54
<i>Nymphon longimanum</i> G.O. Sars, 1888	54
<i>Nymphon longitarse</i> Krøyer, 1845	1, 45, 97, 106, 110
<i>Nymphon macronyx</i> G.O. Sars, 1877	60, 90, 110
Also Bjørnøya.	
<i>Nymphon megalops</i> G.O. Sars, 1877	110
<i>Nymphon microrhyncum</i> G.O. Sars, 1888	97
<i>Nymphon mixtum</i> Krøyer, 1844-45?	54
<i>Nymphon serratum</i> G.O. Sars, 1879	90, 106, 110
Also Bjørnøya.	
<i>Nymphon sluiteri</i> Hoek, 1881	60, 97
<i>Nymphon spinosissimum</i> (Norman, 1894)	60
<i>Nymphon spinosum</i> f. <i>hirtipes</i> G.O. Sars?	97
<i>Nymphon spinosum</i> Goodsir, 1842?	90, 106
Also Bjørnøya.	
<i>Nymphon stroemi</i> Krøyer, 1844	45, 97, 106
<i>Phoxichilidium femoratum</i> (Rathke, 1799)	109
<i>Pseudopallene brevicollis</i> (G.O. Sars, 1888)	97
<i>Pseudopallene circularis</i> Goodsir, 1842	10
<i>Pseudopallene malleolata</i> (G.O. Sars, 1879)	110

Phylum Crustacea

Class Ostracoda

<i>Acanthocytheris dunelmensis</i> (Norman, 1865)	10
<i>Argilloecia liefdefjordensis</i> Hartman, 1992	10
<i>Baffinicythere howei</i> Hazel, 1967	10
<i>Boroecia borealis</i> G.O. Sars, 1866	110
<i>Bythocythere constricta</i> G.O. Sars, 1866	10, 60
<i>Bythocythere turgida</i> G.O. Sars, 1866	10
<i>Cythere lutea</i> (O.F. Müller, 1785)	10
<i>Cytheropteron angulatum</i> (Brady & Robertson, 1868)	10, 60
<i>Cytheropteron dimlingtonensis</i> Neale & Howe, 1973	10
<i>Cytheropteron hamatum</i> G.O. Sars, 1869	10, 60
<i>Cytheropteron latissimum</i> (Norman, 1865)	10, 60
<i>Cytheropteron nodosoalatum</i> Neale & Howe, 1973	10
<i>Cytheropteron nodosum</i> Brady, 1868	10
<i>Cytheropteron pseudomonstrosiense</i> Whatley & Masson, 1980	10
<i>Cytheropteron pyramidale</i> (Brady, 1868)	10
<i>Cytheropteron testudo</i> G.O. Sars, 1870	10, 60
<i>Echinocythereis mirabilis</i> (Brady, 1868)	10
<i>Elofsonella concinna</i> (Jones, 1857)	10, 60
<i>Finmarchinella angulata</i> (G.O. Sars, 1866)	10
<i>Finmarchinella barenzovoensis</i> (Mandelstam, 1957)	10
<i>Finmarchinella curvicostata</i> Neale, 1974	10
<i>Hemicythere costata</i> (Brady, 1866)?	60
<i>Hemicythere emarginata</i> (G.O. Sars, 1866)	10
<i>Hemicytherura clathrata</i> (G.O. Sars, 1866)	10, 60
<i>Heterocyprides sorbyana</i> (Jones, 1856)	10, 60
<i>Krithe producta</i> Brady, 1880	60
<i>Muellerina abyssicola</i> (G.O. Sars, 1886)	10, 60
<i>Muellerina latimarginata</i> (Speyer, 1863)	10
<i>Palmenella limicola</i> (Norman, 1865)	10
<i>Paradoxostoma arcticum</i> Elofson, 1941	10
<i>Paradoxostoma rostratum</i> G.O. Sars, 1865	10
<i>Paradoxostoma variabile</i> (Baird, 1835)	10
<i>Philomedes globus</i> (Lilljeborg, 1853)	54, 60, 110
<i>Philomedes lilljeborgi</i> G.O. Sars, 1866	60
In Svalbard restricted to Bjørnøya.	
<i>Polycope</i> cf. <i>orbicularis</i> G.O. Sars, 1866	10
<i>Rabilimis septentrionalis</i> (Brady, 1866)	10
<i>Robertsonites tuberculatus</i> (G.O. Sars, 1866)	10, 60
<i>Roundstonia macchesneyi</i> (Brady & Crossekey, 1871)	10
<i>Sarsicytheridea bradii</i> (Norman, 1865)	10, 60
<i>Sarsicytheridea macrolaminata</i> (Elofson, 1939)	10
<i>Sarsicytheridea punctillata</i> (Brady, 1865)	10
<i>Sclerochilus contortus</i> (Norman, 1861)	10
<i>Sclerochilus makeoeyanensis</i> Hartmann, 1994	10

<i>Semicytherura glaseri</i> Hartmann, 1992	10
<i>Semicytherura nigrescens</i> (Baird, 1838)	10, 60
<i>Semicytherura undata</i> (G.O. Sars, 1866)	10, 60
<i>Xestoleberis blumeli</i> Hartmann, 1992	10
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<i>Calanus hyperboreus</i> (Krøyer, 1838)	92, 113, 119, 128
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<i>Gaidius tenuispinus</i> (G.O. Sars, 1900)	92
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<i>Oithona plumifera</i> Baird, 1843	92
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<i>Pareuchaeta norvegica</i> (Boeck, 1872)	92
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<i>Chirona hameri</i> (Ascanius, 1767)	50
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<i>Hamatoscalpellum hamatum</i> (G.O. Sars, 1879)	13, 110, 126
<i>Lepas anatifera</i> L., 1758	13, 60, 106
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<i>Peltogaster paguri</i> Rathke, 1842	10
<i>Semibalanus balanoides</i> (L., 1758)	13, 19, 29, 60, 108, 126, 129
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<i>Sylon hippolytes</i> M. Sars, 1870	54
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<i>Verruca stroemia</i> (O.F. Müller, 1776)	52, 60, 126
<i>Verum striolatum</i> (G.O. Sars, 1877)	60, 110
<i>Weltnerium nymphocola</i> (Hoek, 1883)	13, 53, 60

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<i>Erythroops glacialis</i> G.O. Sars, 1885	53, 54
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<i>Parerythroops obesa</i> (G.O. Sars, 1864)	54
<i>Parerythroops spectabilis</i> G.O. Sars, 1877	53
<i>Praunus inermis</i> (Rathke, 1843)	10
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<i>Schistomysis ornata</i> (G.O. Sars, 1864)	10
<i>Stilomysis grandis</i> (Goës, 1863)	97, 111, 129

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<i>Diastylis oxyrhyncha</i> Zimmer, 1926	10
<i>Diastylis polaris</i> G.O. Sars, 1871	53, 54, 110
<i>Diastylis rathkei</i> (Krøyer, 1841)	24, 45, 60, 97, 98, 106, 110
<i>Diastylis scorpioides</i> (Lepechin, 1780)	54, 97, 98, 106
<i>Diastylis spinulosa</i> Heller, 1875	10, 15, 24, 52, 54, 97, 106, 110
<i>Eudorella emarginata</i> (Krøyer, 1846)	15, 24, 52, 53, 54, 97
<i>Eudorella gracilis</i> G.O. Sars, 1871	10
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<i>Eudorella spitzbergensis</i> Zimmer, 1926	10

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<i>Leucon nathorsti</i> Ohlin, 1901	52, 60
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<i>Apherusa glacialis</i> (Hansen, 1887)	54, 74, 81, 116, 129
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<i>Gammarellus homari</i> (J.C. Fabricius, 1779)	45, 50, 52, 54, 74, 81, 97, 98, 108, 109, 111, 117, 119, 127, 128, 129
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<i>Parapleustes bicuspis</i> (Krøyer, 1839)	24, 45, 54, 74, 97, 111, 116, 127, 129
Also Bjørnøya.	
<i>Parapleustes gracilis</i> Buchholz, 1874	54, 60, 110
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<i>Pardalisca cuspidata</i> Krøyer, 1842	24, 54, 97, 110, 116
<i>Pardalisca tenuipes</i> G.O. Sars, 1893	60
<i>Paroediceros lynceus</i> (M. Sars, 1858)	52, 53, 54, 74, 97, 98, 110, 111, 116, 127, 128
<i>Paroediceros macrocheir</i> (G.O. Sars, 1879)	131
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<i>Phippsia roemeri</i> Schellenberg, 1924	10
<i>Phippsiella similis</i> (G.O. Sars, 1891)	60, 115
<i>Photis reinhardi</i> Krøyer, 1842	110
<i>Photis tenuicornis</i> G.O. Sars, 1882	131
<i>Phoxocephalus holbolli</i> (Krøyer, 1842)	24, 52
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<i>Pleustes panopla</i> (Krøyer, 1838)	54, 74, 81, 97, 98, 110, 111, 116, 127, 129
<i>Pleustes tuberculatus</i> Bate, 1858	131
<i>Pleustomesus medius</i> (Goës, 1866)	74, 116
<i>Pleusymtes glaber</i> (Boeck, 1861)	111, 129
<i>Pleusymtes glabroides</i> Dunbar, 1954	74, 81, 109, 116
<i>Pleusymtes pulchella</i> (G.O. Sars, 1876)	52, 54, 110, 116
<i>Pontoporeia femorata</i> Krøyer, 1842	54, 70, 74, 97, 108, 110, 116, 127
<i>Protomedeia fasciata</i> Krøyer, 1842	54, 111, 118
<i>Protomedeia grandimana</i> Brügger, 1905	54, 97, 98, 118
<i>Qasimelita formosa</i> (Murdoch, 1866)	54, 70, 74, 97, 117, 127
<i>Qasimelita quadrispinosa</i> (Vosseler, 1889)	52, 54, 117
<i>Rhachotropis aculeata</i> (Lepechin, 1780)	24, 45, 53, 54, 74, 111, 117
<i>Rhachotropis helleri</i> (Boeck, 1871)	29, 45, 53, 110, 117
Also Bjørnøya.	
<i>Rhachotropis inflata</i> (G.O. Sars, 1882)	117
<i>Rhachotropis macropus</i> G.O. Sars, 1893	52, 97, 117
<i>Rostroculodes borealis</i> (Boeck, 1871)	74, 98, 111, 116
<i>Rostroculodes kroyeri</i> (Boeck, 1871)	54
<i>Rostroculodes longirostris</i> (Goës, 1866)	54, 74, 97, 111, 116
<i>Rostroculodes schneideri</i> (G.O. Sars, 1892)	54
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Also Bjørnøya.	
<i>Socarnes vahlii</i> (Krøyer, 1838)	54, 80, 97, 111, 115
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<i>Syrrhoe crenulata</i> Goës, 1866	24, 52, 54, 74, 111, 116
<i>Themisto abyssorum</i> (Boeck, 1870)	52, 74, 118, 119, 128
<i>Themisto compressa</i> Goës, 1865	113
<i>Themisto libellula</i> (Mandt, 1822)	24, 45, 52, 66, 74, 97, 111, 118, 119
Also Bjørnøya.	
<i>Tiron spiniferus</i> (Stimpson, 1853)	24, 54, 116
<i>Tmetonyx cicada</i> (O. Fabricius, 1780)	10, 45, 111, 115
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<i>Tryphosella compressa</i> (G.O. Sars, 1895)	110, 115
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<i>Weyprechtia heuglini</i> (Buchholz, 1874)	54, 60, 117
<i>Weyprechtia pinguis</i> (Krøyer, 1838)	54, 60, 74, 81, 97, 109, 111, 117, 127
<i>Wimvadocus torelli</i> (Goës, 1866)	131
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<i>Arcturus baffini</i> (Sabine, 1824)	110
<i>Astacilla longicornis</i> (Sowerby, 1806)	54
<i>Bopyroides hippolytes</i> (Krøyer, 1838)	10
Also Bjørnøya.	
<i>Caecognathia elongata</i> (Krøyer, 1847)	10
<i>Caecognathia hirsuta</i> (G.O. Sars, 1877)	53
<i>Caecognathia robusta</i> (G.O. Sars, 1879)	10
Also Bjørnøya.	
<i>Calathura brachiata</i> (Stimpson, 1854)	24, 53, 54, 56, 110
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<i>Dajus mysidis</i> Krøyer, 1849	54
<i>Eurycope cornuta</i> (G.O. Sars, 1864)	52, 53, 54, 97, 110
<i>Haplonsiscus bicuspis</i> (G.O. Sars, 1877)	10
<i>Hemiarthrus abdominalis</i> (Krøyer, 1840)	10

<i>Idotea granulosa</i> Rathke, 1843	56
<i>Idotea neglecta</i> G.O. Sars, 1897	60
In Svalbard restricted to Bjørnøya.	
<i>Ilyarachna bergendali</i> Ohlin, 1901	10
<i>Ilyarachna hirticeps</i> G.O. Sars, 1870	53, 60, 110
<i>Ilyarachna longicornis</i> (G.O. Sars, 1863)	10
<i>Janira maculosa</i> Leach, 1814	54
<i>Janiralata tricornis</i> (Krøyer, 1846)	60, 97, 110
<i>Katianira bilobata</i> Gurjanova, 1930	53, 60
<i>Katianira cornigera</i> Gurjanova, 1930?	60
<i>Munna coeca</i> Gurjanova, 1930	60
<i>Munna fabricii</i> Krøyer, 1847	110
<i>Munna minuta</i> Hansen, 1910	10
<i>Munna roemeri</i> Gurjanova, 1930	60
<i>Munna spitzbergensis</i> Gurjanova, 1930	60
<i>Munnopsis typica</i> M. Sars, 1861	53, 54, 97, 110
<i>Munnopsurus giganteus</i> (G.O. Sars, 1877)	53, 54, 110
<i>Pleurogonium inerme</i> G.O. Sars, 1883	10
<i>Pleuropriion hystrix</i> (G.O. Sars, 1885)	10
<i>Saduria megalura</i> (G.O. Sars, 1879)	110
<i>Saduria sabini</i> (Krøyer, 1849)	45, 52, 54, 56
<i>Synidotea bicuspidata</i> (Owen, 1839)	54, 56, 110, 129
<i>Synidotea nodulosa</i> (Krøyer, 1846)	45, 52, 97, 98, 110, 111

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<i>Thysanoessa inermis</i> (Krøyer, 1846)	35, 45, 52, 66, 97, 111, 113, 119, 128
<i>Thysanoessa longicaudata</i> (Krøyer, 1846)	4, 35, 45
<i>Thysanoessa raschii</i> (M. Sars, 1864)	35, 60, 97

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<i>Bythocaris leucopis</i> G.O. Sars, 1885	10
<i>Bythocaris payeri</i> (Heller, 1875)	53, 54, 110
<i>Bythocaris simplicirostris</i> G.O. Sars, 1870	21, 110
<i>Eualus gaimardii</i> (H. Milne-Edwards, 1837)	21, 22, 30, 31, 45, 52, 53, 54, 66, 81, 97, 106, 110, 111, 119, 129
<i>Eualus pusiolus</i> (Krøyer, 1841)	54, 106, 111
<i>Hyas araneus</i> (L., 1758)	20, 21, 22, 24, 30, 31, 45, 51, 52, 53, 54, 45, 60, 66, 81, 97, 106, 111, 113, 119, 127, 129, 133
<i>Hyas coarctatus</i> Leach, 1815	20, 21, 52, 53, 54, 60, 109, 110
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<i>Hymenodora glacialis</i> (Buchholz, 1874)	45, 53, 110
<i>Lebbeus polaris</i> (Sabine, 1824)	21, 22, 28, 30, 31, 45, 52, 53, 54, 97, 106, 110, 111, 129
Also Bjørnøya.	
<i>Lithodes maja</i> (L., 1758)	7, 21, 22, 28, 33, 60
Also Bjørnøya.	

<i>Pagurus bernhardus</i> (L., 1758)	60
<i>Pagurus pubescens</i> Krøyer, 1838	21, 22, 29, 30, 31, 45, 51, 52, 53, 54,
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<i>Pandalus borealis</i> Krøyer, 1838	7, 10, 21, 22, 45, 52, 53, 54, 81, 97,
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<i>Paralithodes camtschatica</i> (Tilesius, 1815)	10
<i>Pontophilus norvegicus</i> (M. Sars, 1861)	10, 21
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<i>Sabinea sarsii</i> Smith, 1879	7, 21, 22, 33, 54
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<i>Sabinea septemcarinata</i> (Sabine, 1824)	7, 21, 22, 30, 33, 45, 52, 53, 54, 78, 79,
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<i>Sclerocrangon boreas</i> (Phipps, 1774)	7, 21, 22, 28, 30, 31, 45, 52, 53, 54,
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	127, 129, 130
<i>Sclerocrangon ferox</i> (G.O. Sars, 1877)	7, 28, 33, 45, 52, 53, 54, 110, 129
<i>Spirontocaris phippisii</i> (Krøyer, 1841)	10, 21, 22, 30, 31, 53, 54, 97, 110,
Also Bjørnøya.	111, 129
<i>Spirontocaris spinus</i> (Sowerby, 1805)	21, 22, 30, 45, 52, 53, 54, 97, 106,
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<i>Syngenoherpia thulensis</i> Thiele, 1900	61, 106

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<i>Ischnochiton albus</i> (L., 1767)	24, 45, 54, 72, 97, 108, 106, 119, 129
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<i>Leptochiton asellus</i> (Gmelin, 1791)	54
<i>Tonicella marmorea</i> (Fabricius, 1780)	52, 53, 54, 97, 106, 119, 121
<i>Tonicella rubra</i> (L., 1767)	10, 52, 54, 97
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<i>Admete viridula</i> (O. Fabricius, 1780)	51, 54, 97, 106, 121

<i>Alvania moerchi</i> (Collin, 1886)	54, 61, 106
<i>Alvania scrobiculata</i> (Møller, 1842)	24, 54, 61, 97, 106
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<i>Alvania wyvillethomsoni</i> (Friele, 1877)	53, 54
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<i>Buccinum glaciale</i> L., 1761	45, 52, 53, 54, 72, 81, 97, 106, 119, 121, 129
<i>Buccinum humphreysianum</i>	10
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<i>Cryptonatica affinis</i> (Gmelin, 1791)	24, 29, 45, 52, 53, 54, 72, 97, 106, 129
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<i>Frigidoalvania janmayeni</i> (Friele, 1878)	24, 52, 53, 54, 61, 97, 106
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<i>Lacuna crassior</i> (Montagu, 1803)	52, 97, 106, 119
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<i>Margarites olivaceus</i> (Brown, 1827)	24, 52, 54, 97, 106, 108, 109
<i>Margarites vahli</i> (Møller, 1842)	106
<i>Marsenia glabra</i> (Couthouy, 1839)	10
<i>Mitrella rosacea</i> (Gould, 1840)	52, 54, 97, 106
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<i>Mohnia danielsseni</i> (Friele, 1879)	10
<i>Mohnia mohni</i> (Friele, 1877)	54, 106
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<i>Oenopota bergensis</i> (Friele, 1886)	8
<i>Oenopota cinerea</i> (Møller, 1842)	37
<i>Oenopota conoidea</i> (G.O. Sars, 1878)	8
<i>Oenopota declivis</i> (Lovén, 1846)	8
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<i>Oenopota exarata</i> (Møller, 1842)	76, 97, 106
<i>Oenopota gigantea</i> (Mørch, 1901)?	97
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<i>Oenopota impressa</i> (Mørch, 1869)	37, 97
<i>Oenopota nobilis</i> (Møller, 1842)	37, 53, 54
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<i>Oenopota violacea</i> (Mighels & Adams, 1842)	54, 72, 97, 106
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<i>Trichotropis conicus</i> Møller, 1842	106
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<i>Velutina velutina</i> (Müller, 1776)	45, 50, 52, 97, 106
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<i>Aartsenia candida</i> (Møller, 1842)	10
<i>Aeolidia papillosa</i> (L., 1761)	96
<i>Ammonicera rota</i> (Forbes & Hanley, 1850)	10, 54
<i>Ancula gibbosa</i> (Risso, 1818)	106
<i>Cadlina laevis</i> (L., 1767)	54, 97, 106
<i>Calycidoris guentheri</i> Abraham, 1876?	10
<i>Clione limacina</i> (Phipps, 1774)	47, 53, 54, 87, 97, 119
<i>Colga pacifica</i> Bergh, 1894	96

<i>Colga villosa</i> Odhner, 1907?	10
<i>Coryphella borealis</i> Odhner, 1922	45, 75, 97, 106
<i>Coryphella browni</i> Picton, 1980	54
<i>Coryphella salmonacea</i> (Couthouy, 1838)	96, 97
<i>Cuthona nana</i> (Alder & Hancock, 1842)	54
<i>Cylichna alba</i> (Brown, 1827)	24, 54, 72, 97, 106, 108
<i>Cylichna arctica</i> ?	108
<i>Cylichna magna</i> Lemche, 1941?	10
<i>Cylichna occulta</i> (Mighels & Adams, 1842)	81, 97, 106, 108, 121
<i>Dendronotus dalli</i> Bergh, 1879	77
<i>Dendronotus frondosus</i> (Ascanius, 1774)	19, 45, 50, 52, 53, 54, 97, 106
Also Bjørnøya.	
<i>Dendronotus lacteus</i> (W. Thompson, 1840)	10
<i>Dendronotus robustus</i> Verrill, 1880	45, 97
<i>Diaphana glacialis</i> Odhner, 1907	10
<i>Diaphana hiemalis</i> (Couthouy, 1839)	10
<i>Facelina bostoniensis</i> (Couthouy, 1838)	97
<i>Heterodoris robusta</i> Verrill & Emerton, 1882	77, 96
<i>Laona finmarchica</i> M. Sars, 1858	24, 97, 106
<i>Limacina helicina</i> Phipps, 1774	45, 47, 53, 87, 97, 113, 119
Also Bjørnøya.	
<i>Liostomia eburnea</i> (Stimpson, 1851)	61, 97
<i>Menestho albula</i> (Fabricius, 1780)	61
<i>Menestho truncatula</i> Odhner, 1915	24, 61, 70, 97, 106, 121
<i>Odostomia unidentata</i> (Montagu, 1803)	97
<i>Onchidoris muricata</i> (O.F. Müller, 1776)	96
<i>Philine lima</i> (Brown, 1827)	97
<i>Philine polaris</i> Aurivilleus, 1885?	10
<i>Retusa obtusa</i> (Montagu, 1803)	52, 97, 106, 121
<i>Toledonia limnaeoides</i> (Odhner, 1913)	61

Class Cephalopoda

<i>Bathypolypus arcticus</i> (Prosch, 1849)	97
<i>Bathypolypus bairdi</i> (Verrill, 1881)	53
<i>Rossia glaucopsis</i> Lovén, 1854?	45, 53, 97
<i>Rossia moelleri</i> Steenstrup, 1856?	45, 61, 97

Class Bivalvia

<i>Arctica islandica</i> (L., 1767)	51, 72
<i>Arctinula greenlandica</i> (G.B. Sowerby II, 1842)	45, 53, 54, 97, 106
<i>Astarte arctica</i> (J.E. Gray, 1824)	83
<i>Astarte borealis</i> (Schumacher, 1817)	15, 24, 52, 53, 54, 72, 97, 106, 107, 108, 119
<i>Astarte crenata</i> (J.E. Gray, 1824)	24, 45, 72, 97, 106
Also Bjørnøya.	
<i>Astarte elliptica</i> (Brown, 1827)	24, 51, 53, 72, 97, 106, 107, 108, 119
<i>Astarte montagui</i> (Dillwyn, 1817)	15, 24, 51, 53, 54, 70, 72, 97, 106, 107, 108, 121

<i>Astarte sulcata</i> (da Costa, 1778)	52, 54, 121
<i>Axinopsida orbiculata</i> (G.O. Sars, 1878)	70, 97, 106
<i>Bathyarca glacialis</i> (J.E. Gray, 1824)	15, 24, 29, 51, 52, 53, 54, 97, 106
Also Bjørnøya.	
<i>Bathyarca pectunculoides</i> (Scacchi, 1834)	54, 106
<i>Chlamys islandica</i> (Müller, 1776)	24, 45, 50, 51, 52, 53, 54, 97, 106, 113
Also Bjørnøya.	
<i>Chlamys nana</i> (Verrill & Bush, 1898)	107, 108
<i>Ciliatocardium ciliatum</i> (Fabricius, 1780)	24, 51, 52, 53, 54, 70, 97, 106, 107, 108
<i>Crenella decussata</i> (Montagu, 1808)	24, 51, 54, 72, 97, 106, 107, 108
<i>Cuspidaria arctica</i> (M. Sars, 1859)	24, 53, 97
<i>Cuspidaria glacialis</i> (G.O. Sars, 1878)	54, 106
<i>Cuspidaria obesa</i> (Lovén, 1846)	51, 54, 121
<i>Cuspidaria subtorta</i> (G.O. Sars, 1878)	53, 97, 106, 121
<i>Cyclopecten imbrifer</i> (Lovén, 1846)	106
<i>Dacrydium vitreum</i> (Holbøll in Møller, 1842)	24, 51, 53, 54, 61, 97, 106, 121
<i>Diplodonta torelli</i> Jeffreys, 1876	81, 97
<i>Ennucula corticata</i> (Møller, 1842)	106
<i>Ennucula tenuis</i> (Montagu, 1808)	15, 24, 29, 51, 52, 54, 70, 72, 97, 107, 106, 108, 121
Also Bjørnøya.	
<i>Hiatella arctica</i> (L., 1767)	24, 29, 50, 51, 52, 53, 54, 72, 81, 97, 107, 108, 109, 113, 120, 128, 129
Also Bjørnøya.	
<i>Hyalopecten similis</i> (Laskey, 1811)	51
<i>Limatula hyperborea</i> Jensen, 1905	106
<i>Liocyma fluctuosa</i> (Gould, 1841)	70, 81, 97, 119
<i>Lyonsia arenosa</i> (Møller, 1842)	70, 97, 106
<i>Lyonsia norwegica</i> (Gmelin, 1791)	72
<i>Lyonsiella abyssicola</i> G.O. Sars, 1872	10
<i>Macoma balthica</i> (L., 1758)	15
<i>Macoma calcarea</i> (Gmelin, 1791)	15, 24, 51, 52, 53, 54, 70, 72, 97, 106
<i>Macoma loveni</i> Jensen, 1904	10
<i>Macoma moesta</i> (Deshayes, 1854)?	97, 106, 129
<i>Macoma torelli</i> Jensen, 1904?	106
<i>Montacuta elevata</i> Stimpson, 1851?	10
<i>Montacuta maltzani</i> Verkruzen, 1876	24, 97
<i>Montacuta spitzbergensis</i> Knipowitsch, 1901?	24
<i>Musculus corrugatus</i> (Stimpson, 1851)?	24, 52, 97, 106, 109
<i>Musculus discors</i> (L., 1767)	29, 50, 52, 53, 54, 97, 106, 113
Also Bjørnøya.	
<i>Musculus laevigatus</i> (J.E. Gray, 1824)	52, 72, 81, 107, 108, 109, 129
<i>Musculus niger</i> (J.E. Gray, 1824)	24, 45, 50, 52, 54, 97, 106, 109, 121, 129
Also Bjørnøya.	
<i>Mya arenaria</i> L., 1758	51, 70
<i>Mya truncata</i> L., 1758	15, 24, 45, 51, 52, 54, 70, 72, 97, 106, 107, 108, 121, 129
<i>Mysella dawsoni</i> (Jeffreys, 1864)	97
<i>Mytilus edulis</i> L., 1758	19
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<i>Nuculana minuta</i> (Müller, 1776)	51, 52, 53, 97
<i>Nuculana pernula</i> Müller, 1779	15, 24, 29, 45, 51, 52, 53, 54, 70, 72, 97, 106, 121, 127
Also Bjørnøya.	
<i>Pandora glacialis</i> Leach, 1819	45, 54, 97
<i>Panomys norvegica</i> (Spengler, 1793)	24
<i>Portlandia arctica</i> (J.E. Gray, 1824)	24, 45, 51, 54, 97, 121, 127
<i>Serripes groenlandicus</i> (Bruguière, 1789)	45, 54, 51, 70, 97, 106, 107, 108, 119, 121, 128
<i>Teredo denticulata</i> Gray 1851 ?	97
<i>Thracia devexa</i> G.O. Sars, 1878	83
<i>Thracia myopsis</i> (Møller, 1842)	24, 97, 106
<i>Thyasira croulinensis</i> (Jeffreys, 1847)	97
<i>Thyasira dunbari</i> Lubinsky, 1976	70
<i>Thyasira equalis</i> (Verrill & Bush, 1898)	24, 51
<i>Thyasira ferruginea</i> (Locard, 1886)	24, 97
<i>Thyasira flexuosa</i> (Montagu, 1803)	15, 24, 72, 97
<i>Thyasira gouldi</i> (Philippi, 1845)	24
<i>Thyasira sarsi</i> (Philippi, 1845)	24
<i>Turtonia minuta</i> (O. Fabricius, 1780)	81, 97
<i>Yoldia hyperborea</i> Torell, 1859	15, 45, 51, 52, 54, 70, 97, 106
<i>Yoldia myalis</i> (Couthouy, 1838) ?	10
<i>Yoldiella annenkovae</i> (Gorbunov, 1946)	24
<i>Yoldiella frigida</i> (Torell, 1859)	15, 24, 51, 52, 97, 106
<i>Yoldiella intermedia</i> (M. Sars, 1865)	24, 97, 106
<i>Yoldiella lenticula</i> (Møller, 1842)	24, 51, 52, 53, 54, 97, 106
<i>Yoldiella lucida</i> (Lovén, 1846)	24, 97
<i>Yoldiella nana</i> (M. Sars, 1865)	24, 51, 53, 97, 106
<i>Yoldiella propinqua</i> (Leche, 1878)	24
<i>Yoldiella solidula</i> Warén, 1989	24, 52, 61, 70, 121
<i>Yoldiella subaequilatera</i> (Leche, 1878)	10

Class Scaphopoda

<i>Dentalium entalis</i> L., 1758	10
<i>Dentalium occidentale</i> Stimpson, 1851	10
<i>Siphonodentalium lobatum</i> (G.B. Sowerby II, 1860)	24, 52, 53, 54, 97, 106, 121

Phylum Brachiopoda

<i>Glaciarcula spitzbergensis</i> (Davidson, 1852)	10
<i>Hemithiris psittacea</i> (Gmelin, 1792)	24, 45, 52, 53, 54, 72, 113, 129
Also Bjørnøya.	
<i>Liothyris arctica</i> (Friele, 1878)	45
<i>Macandrevia cranium</i> (O.F. Müller, 1776)	24, 52, 53
<i>Neocrania anomala</i> (O.F. Müller, 1776)	45, 53
Also Bjørnøya.	
<i>Terebratulina retusa</i> (L., 1758)	24
<i>Terebratulina septentrionalis</i> (Couthouy, 1838)	10, 45
Also Bjørnøya.	

Phylum Bryozoa

<i>Aethozoon pellucidum</i> Hayward, 1978	10
<i>Alcyonidium albidum</i> Alder, 1857	64
<i>Alcyonidium disciforme</i> Smitt, 1872	95, 109
<i>Alcyonidium gelatinosum</i> (L., 1761)	24, 52, 53, 54, 72, 95, 106, 108, 110, 129
Also Bjørnøya.	
<i>Alcyonidium hirsutum</i> (Fleming, 1828)	19, 45, 106
Also Bjørnøya.	
<i>Alcyonidium mamillatum</i> Alder, 1857	10
<i>Alcyonidium mytili</i> Dalyell, 1848	24, 106
<i>Alcyonidium parasiticum</i> (Fleming, 1828)	10
<i>Alcyonidium proboscidium</i> (Kluge, 1962)?	24
<i>Alcyonidium radicellatum</i> Kluge, 1946?	24
<i>Amphiblestrum auritum</i> (Hincks, 1877)	24
<i>Amphiblestrum flemingii</i> (Busk, 1854)	10, 64
<i>Amphiblestrum solidum</i> (Packard, 1860)	24, 106
<i>Arachnidium clavatum</i> Hincks, 1877	10, 64
<i>Arachnidium hippothoides</i> Hincks, 1862	10
<i>Arctonula arctica</i> (M. Sars, 1851)	24, 95, 106
<i>Bicellarina alderi</i> (Busk, 1859)	64, 110
Also Bjørnøya.	
<i>Bidenkapia spitzbergensis</i> (Bidenkap, 1897)?	10
<i>Bowerbankia imbricata</i> (Adams, 1798)	24, 95
<i>Buffonellaria biaperta</i> (Michelin, 1841)?	24
<i>Bugula avicularia</i> (L., 1758)	106
<i>Bugula fastigiata</i> Dalyell, 1847	10, 64, 95
<i>Bugula purpurotincta</i> Norman, 1868	10
<i>Caberea ellisii</i> (Fleming, 1814)	95
<i>Callopora craticula</i> (Alder, 1856)	24, 29, 106
Also Bjørnøya.	
<i>Callopora derjugini</i> (Kluge, 1915)?	10
Also Bjørnøya.	
<i>Callopora lata</i> (Kluge, 1907)?	24
<i>Callopora lineata</i> (L., 1767)	24, 106
<i>Carbasea carbasea</i> (Ellis & Solander, 1786)	106
<i>Cauloramphus cymbaeformis</i> (Hincks, 1877)	10, 106
<i>Cauloramphus spiniferum</i> (Johnston, 1832)	10
<i>Celleporella hyalina</i> (L., 1767)	94, 95, 106, 110
<i>Celleporina hassallii</i> (Johnston, 1847)	106
<i>Celleporina incrassata</i> (Lamarck, 1788)?	24, 94
<i>Celleporina surcularis</i> (Packard, 1863)	24, 106
<i>Celleporina ventricosa</i> (Lorenz, 1886)	10
<i>Chartella membranaceotruncata</i> (Smitt, 1868)	106
<i>Cheilopora sincera</i> (Smitt, 1868)	24, 95, 106, 110
<i>Cribrilina annulata</i> (O. Fabricius, 1780)	95, 106, 109
<i>Cribrilina punctata</i> (Hassall, 1841)	106, 110
<i>Cribrilina spitzbergensis</i> Norman, 1903?	24, 64
<i>Crisia denticulata</i> (Lamarck, 1816)	24, 94, 95, 106

<i>Crisia eburnea</i> (L., 1758)	24, 106
<i>Crisiella producta</i> (Smitt, 1865)	10
<i>Cylindroporella tubulosa</i> (Norman, 1868)	24, 29
Also Bjørnøya.	
<i>Cystisella saccata</i> (Busk, 1856)	24, 106
<i>Defrancia lucernaria</i> M. Sars, 1851	24, 110
<i>Dendrobeatia fruticosa</i> (Packard, 1863)	24, 94
<i>Dendrobeatia murrayana</i> (Bean in Johnston, 1847)	24, 51, 52, 54, 94, 95, 106, 110
Also Bjørnøya.	
<i>Dendrobeatia quadridentata</i> (Lovén, 1834)	95, 110
<i>Diastopora latomarginata</i> d'Orbigny, 1852	106
<i>Diastopora suborbicularis</i> Hincks, 1880?	10
<i>Diplosolen intricarius</i> (Smitt, 1872)	10, 106, 110
<i>Diplosolen obelia</i> (Johnston, 1838)	24, 106, 109
<i>Disporella hispida</i> (Fleming, 1828)	24, 106, 109
Also Bjørnøya.	
<i>Doryporella spathulifera</i> (Smitt, 1868)	24, 106
<i>Electra arctica</i> (Borg, 1931)?	24
<i>Electra crustulenta</i> (Pallas, 1766)	109
<i>Electra pilosa</i> (L., 1767)	108, 109
<i>Entalophoroecia clavata</i> (Busk, 1859)	24
<i>Entalophoroecia deflexa</i> (Couch, 1842)	24, 110
<i>Escharella abyssicola</i> (Norman, 1869)	106
<i>Escharella immersa</i> (Fleming, 1828)	106
<i>Escharella labiata</i> (Boeck MS in Smitt, 1868)	95, 106, 110
<i>Escharella laqueata</i> (Norman, 1864)	106
<i>Escharella levinseni</i> Hayward, 1994	24
<i>Escharella ventricosa</i> (Hassall, 1842)	24, 95, 106
<i>Escharina alderi</i> (Busk, 1856)	106
<i>Escharoides coccinea</i> (Abildgaard, 1806)	106
<i>Escharoides jacksoni</i> (Waters, 1900)	95
<i>Escharopsis lobata</i> (Smitt, 1868)?	24
<i>Eucratea loricata</i> (L., 1758)	24, 29, 45, 50, 53, 72, 106, 109, 110,
Also Bjørnøya.	129
<i>Flustra foliacea</i> (L., 1758)	52, 108, 109
<i>Flustrellidra corniculata</i> (Smitt, 1872)	95, 106
<i>Fron dipora verrucosa</i> Lamarck, 1821	10
<i>Haplopoma impressum</i> (Audouin, 1826)	106
<i>Harmeria scutulata</i> (Busk, 1855)	95
Also Bjørnøya.	
<i>Hemicyclopora polita</i> (Norman, 1864)	24, 95
<i>Hincksipora spinulifera</i> (Hincks, 1889)	24
<i>Hippodiplosia ussovi</i> (Kluge, 1908)?	24
<i>Hippomonavella borealis</i> (Waters, 1900)	24
<i>Hippoponella fascigatoavicularis</i> (Kluge, 1955)?	24
<i>Hippoporella obesa</i> (Waters, 1900)	24
<i>Hippoporina harmsworti</i> (Waters, 1900)	24

<i>Hippoporina reticulatopunctata</i> (Hincks, 1877)	106
<i>Hippothoa divaricata</i> Lamouroux, 1821	24, 64, 95, 106
<i>Hippothoa expansa</i> Dawson, 1859?	24, 95
<i>Hornera lichenoides</i> (L., 1758)	45, 95, 106, 110
Also Bjørnøya.	
<i>Idmidronea atlantica</i> (Forbes, in Johnston, 1847)	24, 106, 110
<i>Idmidronea bidenkapi</i> Kluge, 1955	106
<i>Idmidronea fenestrata</i> Busk, 1859?	24
<i>Kinetoskias arborescens</i> Danielssen, 1868	95
<i>Leieschara subgracilis</i> (Orbigny in Smitt, 1868)?	10, 24, 106
<i>Lepraliella contigua</i> (Smitt, 1868)	24, 106
<i>Lepraliella hippopus</i> (Smitt, 1867)	24
<i>Lepralioides nordlandica</i> (Nordgaard, 1905)	24
<i>Lichenopora crassiuscula</i> Smitt, 1867?	24, 95
<i>Lichenopora verrucaria</i> (O. Fabricius, 1780)	24, 29, 52, 53, 81, 95, 106, 109, 110
Also Bjørnøya.	
<i>Microporella ciliata</i> (Pallas, 1766)	24, 29, 45, 106
Also Bjørnøya.	
<i>Microporina arcticulata</i> (Fabricius, 1821)?	95
<i>Mucronella megastoma</i> Smitt?	106
<i>Myriapora coarctata</i> (M. Sars, 1863)	45, 106, 110
Also Bjørnøya.	
<i>Myriozoella costata</i> ?	24
<i>Notoplites smitti</i> (Norman, 1868)	24, 95, 106
<i>Omalosecosa ramulosa</i> (L., 1767)	45, 106
<i>Oncousoecia canadensis</i> (Osburn, 1933)	24, 109
<i>Oncousoecia diastoporides</i> (Norman, 1869)	24, 95
<i>Oncousoecia dilatans</i> (Johnston, 1847)	106
<i>Pachyegis groenlandica</i> (Norman, 1894)?	24
<i>Pachyegis producta</i> (Norman, 1905)?	24
<i>Palmiskenea skenei</i> (Ellis & Solander, 1786)	106, 110
<i>Parasmittina trispinosa</i> (Johnston, 1838)	24, 106, 110
<i>Phidolopora elongata</i> (Smitt, 1868)	106
<i>Porella acutirostris</i> Smitt, 1868	24
<i>Porella aperta</i> (Boeck, 1862)	10
<i>Porella compressa</i> (J. Sowerby, 1805)	24, 106
<i>Porella concinna</i> (Busk, 1854)	24, 106
<i>Porella groenlandica</i> (Norman, 1894)	95
<i>Porella laevis</i> (Fleming, 1828)	24, 94
<i>Porella minuta</i> (Norman, 1868)	24
<i>Porella proboscoidea</i> Hincks, 1888	10
<i>Porella struma</i> (Norman, 1868)	24, 95
<i>Posterula sarsi</i> (Smitt, 1868)	45, 95, 106
Also Bjørnøya.	
<i>Proboscina gracilis</i> (Kluge, 1915)?	24
<i>Proboscina incrassata</i> (Smitt, 1865)?	106
<i>Pseudoflustra birulai</i> Kluge, 1929?	24
<i>Pseudoflustra hincksi</i> Kluge, 1915	24

<i>Pseudoflustra solida</i> (Stimpson, 1854)	24, 45, 106, 110
<i>Pyripora catenularia</i> (Fleming, 1828)	106
<i>Ragionula rosacea</i> (Busk, 1856)	10, 24, 95, 106
Also Bjørnøya.	
<i>Reteporella beaniana</i> (King, 1846)	45, 95, 106
Also Bjørnøya.	
<i>Reteporella septentrionalis</i> Harmer, 1933	95, 106, 109
<i>Reussina impressa</i> (Reuss, 1846)?	24
<i>Rhamphostomella bilaminata</i> (Hincks, 1877)	106
<i>Rhamphostomella costata</i> Lorenz, 1886	24, 106
<i>Rhamphostomella hincksi</i> Nordgaard, 1906	24
<i>Rhamphostomella plicata</i> (Smitt, 1868)	106
<i>Rhamphostomella scabra</i> (O. Fabricius, 1780)	24, 106
<i>Rhamphostomella spinigera</i> Lorenz, 1886	24, 106
<i>Sarsiflustra abyssicola</i> (M. Sars in G.O. Sars, 1872)	24, 106, 110
<i>Schizomavella auriculata</i> (Hassall, 1842)	24, 95
<i>Schizomavella linearis</i> (Hassall, 1841)	10
<i>Schizoporella biaperta</i> Michelin, 1841-42?	95, 106
<i>Schizoporella bispinosa</i> (Nordgaard, 1906)?	24
<i>Schizoporella crustacea</i> (Smitt, 1868)	24, 94, 95, 106
<i>Schizoporella pachystega</i> (Kluge, 1929)?	24
<i>Schizoporella smitti</i> Kluge, 1962	24
<i>Schizoporella unicornis</i> Johnston in Wood, 1844	45, 110
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<i>Scrupocellaria minor</i> Kluge, 1915?	24
<i>Scrupocellaria scabra</i> (van Beneden, 1848)	24, 106
<i>Scrupocellaria scrupea</i> Busk, 1852	50
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<i>Securiflustra securifrons</i> (Pallas, 1766)	45, 52, 54, 106, 129
<i>Smittia palmata</i> M. Sars, 1862?	110
<i>Smittina jeffreysi</i> Norman, 1903	95
<i>Smittina landsborovi</i> (Johnston, 1847)	10
<i>Smittina minuscula</i> (Smitt, 1868)	24, 106
<i>Smittina rigida</i> Lorenz, 1886	24
<i>Smittina smitti</i> (Kirchenpauer, 1874)	95
<i>Smittoidea propinqua</i> (Smitt, 1868)	95, 106
<i>Smittoidea reticulata</i> (MacGillivray, 1842)	106
<i>Stomachetosella cruenta</i> (Busk, 1854)	24, 95, 106?
<i>Stomachetosella limbata</i> (Lorenz, 1886)?	24
<i>Stomachetosella magniporata</i> (Nordgaard, 1906)?	24
<i>Stomachetosella sinuosa</i> (Busk, 1860)	24, 106
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<i>Tegella arctica</i> (d'Orbigny, 1851)	29, 94, 95, 106
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<i>Henricia sanguinolenta</i> (O.F. Müller, 1776) Also Bjørnøya.	41, 45, 46, 54, 88, 97, 106, 114
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<i>Hymenaster pellucidus</i> Thomson, 1873	7, 33, 53, 54, 88, 114
<i>Icasterias panopla</i> (Stuxberg, 1878)	24, 45, 52, 88, 97, 106, 114
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<i>Pedicellaster typicus</i> M. Sars, 1861 Also Bjørnøya.	41, 45, 88, 106, 114
<i>Pontaster tenuispinus</i> (Düben & Koren, 1846)	41, 45, 53, 54, 88, 97, 106, 114
<i>Poraniomorpha hispida</i> (M. Sars, 1872)	10
<i>Poraniomorpha tumida</i> (Stuxberg, 1878)	45, 54, 88, 97, 106, 114
<i>Pseudarchaster parelii</i> (Düben & Koren, 1846) Also Bjørnøya.	33
<i>Pteraster militaris</i> (O.F. Müller, 1776) Also Bjørnøya.	41, 45, 46, 88, 97, 106, 114
<i>Pteraster obscurus</i> (Perrier, 1891) Also Bjørnøya.	41, 88, 97, 114
<i>Pteraster pulvillus</i> M. Sars, 1861 Also Bjørnøya.	41, 54, 106, 114
<i>Solaster endeca</i> (L., 1771) Also Bjørnøya.	41, 52, 54, 88, 97, 106, 113, 114
<i>Solaster glacialis</i> Danielssen & Koren, 1881 Also Bjørnøya.	41, 43, 52, 54, 114
<i>Stephanasterias albula</i> (Stimpson, 1853) Also Bjørnøya.	44, 45, 46, 88, 97, 106, 114
<i>Tylaster willei</i> Danielssen & Koren, 1881	54
<i>Urasterias lincki</i> (J. Müller & Troschel, 1842) Also Bjørnøya.	32, 41, 45, 46, 52, 54, 88, 97, 106, 113, 114

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<i>Amphipholis torelli</i> Ljungman, 1871	24
<i>Amphiura sundevalli</i> (J. Müller & Troschel, 1842)	15, 24, 43, 44, 51, 53, 72, 88, 106, 114, 132
<i>Gorgonocephalus arcticus</i> (Leach, 1819) Also Bjørnøya.	7, 33, 41, 45, 52, 53, 88, 97, 106, 110, 114
<i>Gorgonocephalus eucnemis</i> (J. Müller & Troschel, 1842) Also Bjørnøya.	5, 7, 33, 41, 42, 44, 45, 46, 52, 54, 88, 106, 110, 114, 132
<i>Gorgonocephalus lamarcki</i> (J. Müller & Troschel, 1842) Also Bjørnøya.	7, 33, 52
<i>Ophiacantha bidentata</i> (Retzius, 1805) Also Bjørnøya.	15, 24, 41, 43, 44, 45, 46, 51, 52, 53, 54, 72, 88, 97, 106, 110, 113, 114
<i>Ophiocten sericeum</i> (Forbes, 1852) Also Bjørnøya.	15, 24, 29, 40, 41, 43, 44, 45, 46, 51, 52, 54, 70, 88, 97, 106, 110, 113, 114, 128
<i>Ophiopholis aculeata</i> (L., 1767) Also Bjørnøya.	5, 24, 41, 43, 44, 45, 46, 50, 51, 52, 53, 54, 72, 88, 97, 106, 110, 113, 114
<i>Ophiopleura borealis</i> Danielssen & Koren, 1877	7, 24, 52, 53, 54, 106, 110, 114
<i>Ophiopus arcticus</i> Ljungman, 1867	106, 110, 114

<i>Ophioscolex glacialis</i> J. Müller & Troschel, 1842 Also Bjørnøya.	24, 41, 43, 45, 46, 52, 54, 62, 88, 97, 106, 110, 114
<i>Ophioscolex purpureus</i> Düben & Koren, 1846	54
<i>Ophiura robusta</i> (Ayres, 1851) Also Bjørnøya.	24, 41, 43, 44, 45, 46, 51, 52, 54, 72, 88, 97, 106, 108, 114, 128
<i>Ophiura sarsii</i> Lütken, 1858 Also Bjørnøya.	24, 41, 43, 44, 45, 46, 51, 52, 53, 54, 88, 97, 106, 110, 114
<i>Stegophiura nodosa</i> (Lütken, 1854) Also Bjørnøya.	45, 46, 54, 88, 97, 106, 114, 129

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<i>Strongylocentrotus droebachiensis</i> (O.F. Müller, 1776) Also Bjørnøya.	15, 41, 44, 45, 46, 51, 52, 53, 54, 72, 88, 97, 103, 106, 108, 110, 113, 114, 129
<i>Strongylocentrotus pallidus</i> (G.O. Sars, 1871)	24, 51, 53, 54

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<i>Cucumaria frondosa</i> (Gunnerus, 1767) Also Bjørnøya.	32, 45, 46, 50, 52, 54, 72, 86, 88, 97, 106, 113, 114, 129
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<i>Ekmania barthii</i> (Troschel, 1846) Also Bjørnøya.	10, 52, 62, 84, 86
<i>Elpidia glacialis</i> Théel, 1876	54, 84, 86, 109, 114
<i>Eupyrgus scaber</i> Lütken, 1857 Also Bjørnøya.	10, 15, 24, 52, 54, 86, 88, 97, 106, 114
<i>Molpadia borealis</i> M. Sars, 1859 Also Bjørnøya.	45, 53, 54, 84, 86, 106, 114
<i>Myriotrochus eurycyclus</i> Heding, 1935	24, 86
<i>Myriotrochus rinki</i> Steenstrup, 1852 Also Bjørnøya.	15, 44, 45, 52, 53, 54, 86, 88, 97, 108, 106, 114
<i>Ocnus glacialis</i> (Ljungman, 1880)	54, 62, 88, 106, 114
<i>Psolus phantapus</i> (Strussenfelt, 1765) Also Bjørnøya.	24, 45, 52, 54, 86, 88, 97, 114
<i>Psolus squamatus</i> (O.F. Müller, 1776) Also Bjørnøya.	45, 46, 52, 53, 54, 84, 86
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<i>Ascidia dijmphniana</i> (Traustedt, 1886)	58, 89
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Also Bjørnøya.	
<i>Ascidia virginea</i> O.F. Müller, 1776	89
Also Bjørnøya.	
<i>Boltenia echinata</i> (L., 1767)	52, 67, 89, 106
Also Bjørnøya.	
<i>Botryllus aureus</i> M. Sars, 1851	5, 45, 52, 53, 54, 58, 89, 106
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<i>Botryllus schlosseri</i> (Pallas, 1766)	81
<i>Chelyosoma macleayanum</i> Broderip & Sowerby, 1830	58, 89, 106
<i>Ciona intestinalis</i> (L., 1767)	5, 45, 52, 53, 54, 58, 89, 106
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<i>Corella borealis</i> Traustedt, 1886	58, 89, 106
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<i>Dendrodoa aggregata</i> (Rathke, 1806)	5, 45, 50, 52, 53, 54, 58, 89, 106, 129
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<i>Dendrodoa grossularia</i> (van Beneden, 1846)	52, 53, 54, 58, 89, 106
<i>Dendrodoa pulchella</i> (Verrill, 1871)	89, 106
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<i>Molgula griffithsii</i> (MacLeay, 1825)	45, 50, 52, 58, 89, 106, 129
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<i>Molgula retortiformis</i> Verrill, 1871	58, 67, 89, 106
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<i>Molgula romeri</i> Hartmeyer, 1903	58, 89, 106
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<i>Pelonaia corrugata</i> Forbes & Goodsir, 1841	58, 89, 106
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<i>Styela gelatinosa</i> Traustedt, 1886	52, 58, 89
<i>Styela rustica</i> (L., 1767)	45, 50, 51, 52, 53, 54, 58, 67, 89, 106, 129
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<i>Synoicum pulmonaria</i> (Ellis & Solander, 1786)	50, 52, 54, 58, 89, 106, 129
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<i>Synoicum turgens</i> Phipps, 1774	50, 52, 53, 54, 58, 67, 89, 106
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<i>Amblyraja radiata</i> (Donovan, 1808)	34, 45, 69, 101
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<i>Bathyraja spinicauda</i> (Jensen, 1914)	101
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<i>Liparis liparis</i> (L., 1766)	34, 52, 54, 58, 69, 97, 101, 119
<i>Liparis montagui</i> (Donovan, 1804)	54, 58, 101
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<i>Melanogrammus aeglefinus</i> (L., 1758)	34, 45, 69, 101
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Chapter 3. The terrestrial and freshwater invertebrate fauna of Svalbard (and Jan Mayen)

Stephen J. Coulson & Dagfinn Refseth



A checklist of the known terrestrial and freshwater invertebrate fauna of Svalbard and Jan Mayen has been compiled from an extensive survey of the literature. Currently accepted, valid species names are presented with the synonyms which occur in the Svalbard and Jan Mayen literature. Each species is cross-referenced to the appropriate papers. A total of 1040 terrestrial and freshwater species from Svalbard have been extracted from 344 articles. Twelve phyla are represented, eight from the Kingdom Animalia (the Rotifera, Nematoda, Platyhelminthes, Annelida, Tardigrada, Chelicerata, Mandibulata and Crustacea) and four from the Protoctista (the Rhizopoda, Actinopoda, Ciliophora and Apicomplexa). The class Insecta is represented by 230 species, with the Diptera forming the largest order (128 species). There are 59 species of Collembola present in Svalbard. A further 103 invertebrate species are found on the island of Jan Mayen, some 900 km south of Svalbard.

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Scientific descriptions of the invertebrate fauna of Svalbard began in the middle of the 19th century and the first major overview of the invertebrate fauna listed approximately 300 species (Thor 1930). The present checklist cites 277 papers considering the Svalbard invertebrate fauna which have appeared since Thor (1930), and while there have been subsequent faunistic summaries (for example, Sømme 1979, 1993), there has been no recent comprehensive cross-referenced species and reference checklist.

The checklist comprises two sections: I) the invertebrate and Protoctista species (species found on Jan Mayen are included); and II) references. It must be accepted that such lists are often out of date before going to press (Karppinen & Krivolutsky 1982). However, checklists like this one are of general use and interest and it is hoped that this list can be used as the basis for future revisions. A summary of the recorded invertebrate

fauna from Svalbard is presented in Table 1.

While this checklist includes the majority of publications concerning the terrestrial and freshwater invertebrate fauna of Svalbard, it is important to note that it is far from a complete description of the fauna. The reasons for this include: i) the majority of collections have been made at or in the vicinity of only three locations on the west coast of Spitsbergen, namely Longyearbyen, Ny-Ålesund and Hornsund; ii) there is likely to be a bias towards those species easily identified to the detriment of those species difficult to collect and/or identify; iii) concentration on those taxa that have caught the interest of Arctic taxonomists; iv) some species may have been misidentified; and finally v) confusion over synonyms and inconsistency in reference works. For example, the current list of oribatid mite species could be reduced by perhaps as much as half with the removal of synonyms and problematic records (T.

Solhøy, pers. comm.). A full examination of the type specimens required to clarify many species confusions is beyond the scope of this work. It is likely, therefore, that there are errors and omissions in this checklist. The authors would appreciate corrections and additions from readers.

A major problem with invertebrate taxonomy is the large numbers of synonyms to be found. Currently accepted names are presented along with synonyms used in the references cited. Reorga-

nization of classification schemes is an ongoing affair. The classification systems used here represent currently accepted systems (based on Margulis et al. 1998).

In the last 20 years there has been a move away from reports dealing solely with species presence to studies estimating species abundance and activity (Bengtson et al. 1974; Kristensen & Vestergaard 1975; Solem & Sendstad 1978; Byzova et al. 1997; Syrjämäki 1998), distribution (Frénot & Van Vliet-Lanoë 1992; Jørgensen & Eie 1993; Strathdee & Bale 1995; Uvarov & Byzova 1997), life cycles and population dynamics (Meijering 1979; Strathdee et al. 1993; Birkemoe 1995; Webb et al. 1995; Birkemoe & Sømme 1998; Birkemoe & Leinaas 1999; Coulson et al. 2000), ecosystem function (Opalinski 1991; Hodgkinson & Wookey 1999), ecophysiology (Aunaas et al. 1983; Opalinski & Klekowski 1992; Block et al. 1994; Sømme & Birkemoe 1997; Hertzberg & Leinaas 1998; Holmstrup & Sømme 1998; Worland et al. 1998) and, more recently, genetic diversity (Colbourne et al. 1998; Hobæk & Weider 1999; Weider et al. 1999)—not only as a part of studies investigating High Arctic ecology as a whole, but also using the faunal assemblages as model systems to test general ecological theory (Sendstad 1981; Hertzberg et al. 1994; Coulson et al. 1996; Birkemoe 1998; Coulson et al. 2000). A review of the invertebrate ecology of Svalbard is given in Coulson (2000).

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Table 1. A summary of the recorded invertebrate fauna of Svalbard.

Phylum	Class	Order	No. of species	
Rhizopoda			189	
Actinopoda			3	
Ciliophora			6	
Apicomplexa			1	
Rotifera	Digononta		37	
	Monogononta		117	
Nematoda	Penetrantia		33	
	Secernentia		43	
	Torquentia		28	
	Adenophorea		4	
Platyhelminthes	Cestoda		7	
	Trematoda		1	
Annelida	Oligochaeta		34	
Tardigrada	Heterotardigrada		16	
	Eutardigrada		67	
Chelicerata	Arachnida: Acari	Acariformes	98	
		Parasitiformes	18	
	Arachnida: Araneae		18	
Mandibulata	Collembola		59	
		Insecta		
		Anoplura		2
		Ephemeroptera		1 ^a
		Hemiptera		4
		Mallophaga		37
		Coleoptera		19
		Diptera		128
		Hymenoptera		26
		Lepidoptera		10
	Siphonaptera		2	
	Trichoptera		1	
Crustacea	Branchiopoda		10	
			10	
	Malacostraca		2	
	Ostracoda		9	
Total			1040	

^aOne species of ephemeropteran has been identified from Svalbard. However, this is a dubious record. See list for fuller explanation.

I. Species checklist

Species names currently considered valid are presented along with numbers corresponding to sources in the reference list. Synonyms are given in smaller type. “In Svalbard restricted to Bjørnøya” and “restricted to Jan Mayen” refer only to the species’ distribution within the Svalbard archipelago and Jan Mayen and is not

intended to describe the species’ global distribution. Species likely to be accidental migrants or relatively recent introductions as a result of human activities have been indicated wherever possible. In some cases the original species description is incomplete and the accuracy of identification is unclear. In such instances other more likely species are presented with a preceding question mark.

Kingdom Protoctista

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<i>Arcella bathystoma</i> Deflandre	22
<i>Arcella discoides</i> Ehrenberg	22, 244
<i>Arcella ovaliformis</i> Chardez and Beyens	22, 61
<i>Arcella rotundata</i> Playfair	22, 24, 25
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<i>Arcella rotundata</i> var. <i>undulata</i> Stepanek	22, 25
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<i>Diffugiella horrida</i> Schönborn	14
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<i>Diffugiella pusilla</i> (Playfair) Grospietsch	14
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<i>Metopidia acuminata</i> Ehrenberg	
<i>Lepadella minuta</i> (Montet, 1918)	83, 85
<i>Lepadella ovalis</i> (Müller, 1786)	83, 85, 173, 172, 319
<i>Metopidia lapadella</i>	
<i>Lepadella patella</i> (Müller, 1786)	46, 83, 84, 85, 88, 90, 171, 172, 305, 316, 317, 319
<i>Metopidia oblonga</i>	
<i>Lepadella quadricarinata</i> (Stenroos, 1898)	83, 85, 319
<i>Metopidia quadricarinata</i>	
<i>Lepadella triba</i> Myers, 1934	85
<i>Lepadella triptera</i> Ehrenberg, 1830	83, 316
<i>Lophocaris oxysternon</i> (Goose, 1851)	319
<i>Squatinella mutica</i> (Ehrenberg, 1832)	83

Fam. Dicranophoridae

<i>Albertia naidis</i> Bousfield, 1886	83
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Dicranophorus forcipatus</i> (Müller, 1786)	83, 85
<i>Encentrum bidentatum</i> (Lie-Pettersen, 1906)	86
<i>Encentrum dieteri</i> De Smet, 1995	86
A littoral species.	
<i>Encentrum felis</i> (Müller, 1773)	319
<i>Encentrum ferox</i> (Western) nom. dub.	
<i>Encentrum grandis</i> Haring and Myers, 1928	62
<i>Encentrum grandis</i> (Western) nom. dub.	
<i>Encentrum marinum</i> (Dujardin, 1841)	85
<i>Encentrum mucronatum</i> Wulfert, 1936	84, 87, 88
<i>Encentrum murrayi</i> Bryce, 1922	46, 319
<i>Encentrum mustela</i> (Milne, 1885)	85
<i>Encentrum permolle</i> (Gosse, 1886)	87, 308
<i>Dicranophorus permollis permollis</i> (Gosse)	
<i>Diglena permollis</i> Gosse	
<i>Encentrum uncinatum</i> (Milne, 1886)	84, 88, 90, 171, 172
<i>Encentrum uncinatus</i> (Milne)	
<i>Dicranophorus uncinatus</i> (Milne)	
<i>Encentrum</i> sp.	83, 84, 88, 171
<i>Itura aurita aurita</i> (Ehrenberg, 1930)	85
<i>Itura aurita</i> var. <i>intermedia</i> (Wulfert)	

Fam. Epiphanidae

<i>Rhinoglena frontalis</i> Ehrenberg, 1858	83, 85
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Fam. Euchlanidae

<i>Euchlanis deflexa</i> Gosse, 1851	83, 85, 319
<i>Euchlanis dilatata</i> Ehrenberg, 1832	9, 83, 85, 171, 172, 319
<i>Euchlanis lyra</i> Hudson, 1886	89
<i>Euchlanis meneta</i> Myers, 1930	83, 85, 316, 319
<i>Euchlanis oropha</i> Gosse	
<i>Catyphna brevis</i> Murray, 1913	319
<i>Catyphna rotundata</i> Olofsson, 1918	319

Fam. Lecanidae

<i>Lecane bulla</i> (Goose, 1851)	46, 319
<i>Monostyla bulla</i> Gosse	
<i>Lecane closterocerca</i> (Schmarda, 1859)	83, 87
<i>Lecane cornuta</i> (Müller, 1786)	305, 319
<i>Monostyla cornuta</i> (Müller)	
<i>Lecane flexilis</i> (Gosse, 1886)	83, 319
<i>Lecane brevis</i> (Murray)	
<i>Lecane ligona</i> (Dunlop, 1901)	317
<i>Lecane lunaris</i> (Ehrenberg, 1832)	46, 83, 171, 172, 305, 319
<i>Monostyla lunaris</i> (Ehrenberg)	
<i>Lecane pideis</i> (Haring and Myers, 1926)	85, 171, 172
<i>Lecane piepelsi</i> de Smet and Bafort	
<i>Lecane robertsonae</i> Segers, 1993	62, 83, 171, 319
<i>Lecane rotundata</i> (Olofsson)	
<i>Lecane rotundata</i> (Olofsson, 1918)	172

<i>Lecane</i> sp.	83
Fam. Lindiidae	
<i>Lindia</i> cf. <i>torulosa</i> Dujardin, 1841	83
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
Fam. Mytilinidae	
<i>Lophocharis oxysternon</i> (Gosse, 1851)	83, 85
<i>Mytilina bicarinata</i> (Perty, 1850)	
<i>Mytilina mucronata</i> (Müller, 1773)	83, 85, 90, 171, 172, 319
<i>Mytilina ventralis</i> var. <i>brevispina</i> (Ehrenberg, 1832)	46, 171, 172, 305, 319
<i>Mytilina brevispina</i> Ehrenberg	
Fam. Notommatidae	
<i>Cephalodella biungulata</i> Wulfert, 1937	85
<i>Cephalodella catellina</i> (O.F. Müller, 1786)	83, 85, 90, 171, 172
<i>Cephalodella evabroedi</i> De Smet, 1988	83, 85
<i>Cephalodella glandulosa</i> Koch-Althaus, 1962	85
<i>Cephalodella gibba</i> (Ehrenberg, 1832)	83, 84, 85, 88, 90, 171, 172, 319
<i>Diaschiza gibba</i> (Ehrenberg)	
<i>Cephalodella gracilis</i> (Ehrenberg, 1832)	319
<i>Diaschiza gracilis</i> (Ehrenberg)	
<i>Cephalodella hoodi</i> (Goose, 1896)	83, 85
<i>Cephalodella intuta</i> Myers, 1924	85, 90
<i>Cephalodella megalcephala</i> (Glascott, 1893)	85
<i>Cephalodella misgurnus</i> Wulfert, 1937	84, 88
<i>Cephalodella rotunda</i> Wulfert, 1937	85
<i>Cephalodella sterea</i> (Gosse, 1887)	84, 88
<i>Cephalodella ventripes</i> (Dixon-Nuttall, 1901)	171, 172
<i>Cephalodella ventripes</i> var. <i>angustior</i> Donner, 1949	83, 85
<i>Cephalodella</i> sp.	83, 85, 316
<i>Diaschiza</i> spp.	319
? <i>Cephalodella</i> sp.	
<i>Eosphora najas</i> Ehrenberg, 1830	83, 85
<i>Monommata</i> sp.	85
<i>Notommata cyrtopus</i> Gosse, 1886	83
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Notommata glyphura</i> Wulfert, 1935	85
<i>Resticula nyssa</i> Harring and Myers, 1924	83, 85
Fam. Proalidae	
<i>Bryceella stylata</i> (Milne, 1886)	85, 319
<i>Squatinella stylata</i> (Milne)	
<i>Stephanops stylatus</i> Milne	
<i>Bryceella tenella</i> (Bryce, 1897)	319
<i>Squatinella tenella</i> (Bryce)	
<i>Stepanops tenellus</i> Bryce	
<i>Proales decipiens</i> (Ehrenberg, 1832)	319
<i>Furcularia decipiens</i> Ehrenberg	
<i>Proales fallaciosa</i> Wulfert, 1937	85
<i>Proales sordida</i> Gosse, 1886	319
<i>Proales</i> sp.	83

<i>Wulfertia ornata</i> Donner, 1943	85
Fam. Scaridiidae	
<i>Scaridium longicaudum</i> (Müller, 1786)	319
Fam. Synchaetidae	
<i>Polyarthra dolichoptera</i> (Idelson, 1925)	7, 9, 10, 83, 85, 90, 173, 246, 316, 317
<i>Polyarthra dolichoptera</i> f. <i>aptera</i> (Hood, 1895)	85
<i>Polyarthra dolichoptera</i> f. <i>proloba</i> (Albertova, 1960)	85
<i>Polyarthra vulgaris</i> Carlin, 1943	319
<i>Polyarthra trigla</i> Ehrenberg	
<i>Synchaeta lakowitziana</i> Ehrenberg, 1832	9, 10
<i>Synchaeta lakowitziana arctica</i> De Smet, 1988	83, 317
<i>Synchaeta littoralis</i> Rousselet, 1902	9, 10
<i>Synchaeta truncata</i> von Hofsten, 1909	9, 10
<i>Synchaeta</i> sp.	173, 316
Fam. Trichocercidae	
<i>Trichocerca bidens</i> (Lucks, 1912)	90, 319
<i>Diurella bidens</i> Lucks	
<i>Trichocerca cavia</i> (Gosse, 1886)	85, 171, 172
<i>Trichocerca cristata</i> Harring	319
<i>Trichocerca intermedia</i> (Stenroos, 1898)	85
<i>Trichocerca longistyla</i> (Olofsson, 1918)	85
<i>Trichocerca rattus</i> (Müller, 1776)	83, 85, 319
<i>Rattulus carinatus</i>	
<i>Trichocerca relicta</i> (Donner, 1950)	83, 85
<i>Trichocerca uncinata</i> (Voigt, 1902)	83, 85, 90, 319
<i>Diurella uncinata</i> (Voigt)	
<i>Trichocerca weberi</i> (Jennings, 1903)	83, 85, 90, 171, 172
Fam. Trichotriidae	
<i>Trichotria truncata</i> (Whitelegge)	191, 193, 242
<i>Trichotria pocillum</i> (Müller, 1776)	83
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	

Phylum Nematoda

Class Penetrantia

Order Enoplida

Fam. Alaimidae

<i>Alaimus arcuatus</i> Thorne, 1939	215
<i>Alaimus depressus</i> Loof, 1971	215
<i>Alaimus elegans</i> de Man, 1921	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Alaimus parvus</i> Thorne, 1939	215
<i>Alaimus primitivus</i> de Man, 1880	6
Restricted to Jan Mayen (not present in Svalbard).	

Fam. Pristomatolaimidae

<i>Pristomatolaimus dolichurus</i> de Man, 1880	6, 215
<i>Pristomatolaimus intermedius</i> (Buetschli, 1873)	6, 215
<i>Pristomatolaimus primitivus</i> Loof, 1971	215

<i>Prismatolaimus stenolaimoides</i> Loof, 1971	215
Fam. Tobrilidae	
<i>Tobrilus</i> sp.	171, 191, 193
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<i>Tripyla glomerans</i> Bastian, 1865	215
<i>Tripyla papillata</i> Butschli	
Order Dorylaimida	
Fam. Aporcelaimidae	
<i>Aporcelaimium labiatus</i> (de Man, 1880)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Dorylaimus labiatus</i> de Man	
<i>Aporcelaimium obstusicaudatus</i> (Bastian, 1865)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Dorylaimus obstusicaudatus</i> Bastian	
<i>Aporcelaimium tritici</i> (Bastian, 1865)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Dorylaimus tritici</i> Bastian	
Fam. Dorylaimidae S.L.	
<i>Enchodelus analatus</i> Thorne, 1939	215
<i>Enchodelus conicaudatus</i> Thorne, 1939	215
<i>Enchodelus</i> cf. <i>macrodoroides</i> (Steiner, 1914)	215
<i>Enchodelus macrodorus</i> Thorne, 1939	215
<i>Enchodelus parvus</i> Loof, 1971	215
<i>Eudorylaimus agilis</i> (de Man, 1880) Andrassy, 1986	215
<i>Eudorylaimus agilis</i> Loof	
<i>Dorylaimus lugdunensis</i> apud Steiner nec. de Man	
<i>Eudorylaimus lugdunensis</i> (de Man, 1880)	215
<i>Eudorylaimus lugdunensis</i> Andrassy, 1959	
<i>Eudorylaimus alleni</i> Brzeski, 1962	215
<i>Eudorylaimus carteri</i> (Bastian, 1865)	191, 193, 194, 243
<i>Dorylaimus carteri</i> Bastian	
<i>Eudorylaimus centrocerus</i> (de Man, 1880)	6
<i>Dorylaimus centrocerus</i> de Man	
<i>Eudorylaimus circulifer</i> (Loof, 1961)	215
<i>Eudorylaimus iners</i> (Bastian, 1865)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Dorylaimus gracilis</i> de Man	
<i>Eudorylaimus maksymovi</i> (Altherr, 1963)	191, 193, 215
<i>Eudorylaimus megodon</i> Loof, 1971	215
<i>Eudorylaimus parvus</i> (de Man, 1880)	215
<i>Eudorylaimus subjunctus</i> Loof, 1971	215
<i>Eudorylaimus vanrosseni</i> Loof, 1971	215
<i>Eudorylaimus</i> sp.	171
<i>Longidorella magna</i> Loof, 1971	215
<i>Mesodorylaimus</i> sp.	171
<i>Dorylaimus</i> sp.	228

Fam. Mononchidae	
<i>Prionchulis muscorum</i> (Dujardin, 1845)	191, 193
Fam. Nordiidae	
<i>Enchodelus macrodorus</i> (de Man, 1880)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Dorylaimus macrodorus</i> de Man	
Fam. Qudsianematidae	
<i>Labronema</i> sp.	191, 193
Fam. Tylencholaimidae	
<i>Tylencholaimus proximus</i> Thorne, 1939	215
<i>Tylencholaimus teres</i> Thorne, 1939	215
Class Secernentia	
Order Rhabditida	
Fam. Bunonematidae	
<i>Bunonema reticulatum</i> Richters, 1905	215
Fam. Cephalobidae	
<i>Acrobeles ciliatus</i> von Linstow, 1877	215
<i>Acrobelloides bütschlii</i> Gadea, 1954	228
<i>Cephalobus bütschlii</i> de Man	
<i>Acrobelloides enoploides</i> Loof, 1971	215
<i>Acrobelloides tricornis</i> (Thorne, 1925)	38, 215
<i>Cephalobus persegnis</i> Bastian, 1865	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Cervidellus serratus</i> (Thorne, 1925)	215
<i>Cervidellus spitzbergensis</i> Bostrøm, 1987	37
<i>Chiloplacus saccatus</i> Loof, 1971	38, 215
<i>Eucephalobus arcticus</i> Loof, 1971	38, 215
<i>Eucephalobus oxyuroides</i> (de Man, 1876)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Cephalobus oxyuroides</i> de Man	
<i>Heterocephalobus elongatus</i> (de Man, 1880)	6, 215
<i>Cephalobus elongatus</i> de Man	
<i>Stegelletta similis</i> (Thorne, 1925)	215
<i>Stegelletta mucronata</i>	
Fam. Panagrolaimidae	
<i>Panagrolaimus papillosus</i> Loof, 1971	215
Fam. Rhabditidae	
<i>Rhabditis intermedia</i> (de Man, 1880)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Anguillulina intermedia</i> (de Man, 1880)	
<i>Rhabditis terricoli</i> Dujardin, 1845	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Rhabditis aspera</i> Bütschli	
<i>Rhabditis gracilicauda</i> de Man, 1876	6
Restricted to Jan Mayen (not present in Svalbard).	

<i>Rhabditis</i> sp.	171
Fam. Teratocephalidae	
<i>Euteratocephalus crassidens</i> Andrassy, 1958	6, 39, 215
<i>Metateratocephalus crassidens</i> (de Man)	
<i>Teratocephalus costatus</i> Andrassy, 1958	39
<i>Teratocephalus decarinus</i> Anderson, 1969	215
<i>Teratocephalus lirellus</i> Anderson, 1969	39, 215
<i>Teratocephalus terrestris</i> (Butschli, 1873)	6
<i>Teratocephalus</i> sp.	39, 171

Order Strongylida

Fam. Trichostrongylidea

Note: many of these are now considered to be dimorphic or trimorphic species with major or minor morphotypes (see ref. 133).

<i>Grosspiculaqia occidentalis</i> (Ransom, 1907)	54, 131, 132, 134
Parasite of Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Marshallagia marshalli</i> (Ransom, 1907)	5, 48, 50, 53, 54, 131, 132, 133, 134
Parasite of Muskox (<i>Ovibos moschatus</i> ; no longer present in Svalbard) and Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Nematodirus helvetianus</i> May, 1920	5, 133
Parasite of Muskox (<i>Ovibos moschatus</i> ; no longer present in Svalbard) and Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Ostertagia arctica</i> Mitzkewitzsch, 1929	5, 133, 134
Parasite of Muskox (<i>Ovibos moschatus</i> ; no longer present in Svalbard) and Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Ostertagia grühneri</i> Skrjabin, 1929	2, 3, 5, 48, 50, 53, 54, 131, 132, 133
Parasite of Muskox (<i>Ovibos moschatus</i> ; no longer present in Svalbard) and Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Ostertagia occidentalis</i> Ransom, 1907	5, 48, 50, 53
Parasite of Muskox (<i>Ovibos moschatus</i> ; no longer present in Svalbard) and Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Paracuaria adunca</i> (Creplin 1846)	257
Parasite of Glaucous Gull (<i>Larus hyperboreus</i>).	
<i>Skrjabinagia arctica</i> (Mitzkevich, 1929)	48, 49, 53, 54, 131, 132, 134
Parasite of Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
Possibly <i>Skrjabinagia lyrata</i> (Sjøberg, 1926)	
<i>Teladorsagia circumcincta</i> (Stadelmann, 1894)	48, 49, 53, 54, 131, 132, 133, 134
Parasite of Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>)	
<i>Teladorsagia davitiani</i> Andreeva and Satubaldini, 1984	54, 131, 134
Parasite of Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Teladorsagia trifurcata</i> (Ransom, 1907)	5, 48, 49, 53, 54, 131, 132, 134
Parasite of Muskox (<i>Ovibos moschatus</i> ; no longer present in Svalbard) and Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
Possibly <i>Ostertagia trifurcata</i>	

Order Tylenchida

Fam. Criconematidae

<i>Criconemoides annulatus</i> Taylor, 1936	215
<i>Criconemoides hemispaericaudatus</i> Wu	
<i>Criconema</i> sp.	215

Fam. Hoplolaimidae	
<i>Helicotylenchus spitsbergensis</i> Loof, 1971	215
Fam. Pratylenchidae	
<i>Pratylenchoides crenicauda</i> Winslow, 1958	215
<i>Pratylenchoides magnicauda</i> (Thorne, 1935)	215
<i>Tylenchorhynchus magnicauda</i> Filipijev	
<i>Pratylenchus pratensis</i> (de Man, 1880)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Anguillulina pratense</i> (de Man)	
Fam. Tylenchidae	
<i>Basiria dolichura</i> Loof, 1971	215
<i>Coslenchus costatus</i> (de Man, 1921)	215
<i>Tylenchus costatus</i> de Man	
<i>Filenchus leptosoma</i> (de Man, 1880)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Anguillulina leptosoma</i> (de Man, 1880)	
<i>Filenchus thornei</i> (Andrassy, 1954)	215
<i>Tylenchus thornei</i> Andrassy	
<i>Geocenamus arcticus</i> (Mulvey, 1969)	215
<i>Tylenchorhynchus arcticus</i> Mulvey	
<i>Geocenamus loofi</i> (Siddiqi, 1979)	215, 274
<i>Tetylenchus joctus</i> Thorne apud Loof	
<i>Merlinius loofi</i> Siddiqi	
<i>Geocenamus microdorus</i> (Geraert, 1966)	215
<i>Tylenchorhynchus microdorus</i> Geraert	
<i>Lelenchus leptosoma</i> (de Man, 1880)	215
<i>Tylenchus leptosoma</i> de Man	
<i>Malenchus bryophilus</i> (Steiner, 1914)	215
<i>Tylenchus bryophilus</i> Steiner	
<i>Nagelus leptus</i> (Allen, 1955)	215
<i>Tylenchorhynchus leptus</i> Allen	
<i>Tylenchus davainei</i> Bastian, 1865	6, 215
<i>Anguillulina davainei</i> (Bastian)	
Suborder Aphelenchina	
<i>Aphelenchus nivalis</i> Aurivillius, 1883	306, 228
Class Torquentia	
Order Araeolaimida	
Fam. Araeolaimidae	
<i>Parachromagasteriella arctica</i> Allgen, 1953	6
Restricted to Jan Mayen (not present in Svalbard).	
Fam. Plectidae	
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<i>Anaplectus granulatus</i> de Coninck and Shürmans Stekhoven, 1933	215
<i>Plectus granulatus</i> Bastian	
<i>Anaplectus porosus</i> Allen and Noffsinger, 1968	191, 193, 194, 215

<i>Ceratoplectus communis</i> (Bütschli, 1873)	228
<i>Plectus communis</i> Bütschli	
<i>Ereptonema arcticum</i> Loof, 1971	38, 215
<i>Plectus acuminatus</i> Bastian, 1865	215
<i>Plectus</i> cf. <i>armatus</i> Bütschli, 1873	215
<i>Plectus assimilis</i> Bütschli, 1873	215
<i>Plectus aquatilis</i> Andrassy, 1984	171
<i>Plectus cirratus</i> Bastian, 1865	6, 191, 193, 194, 228
<i>Plectus cornus</i> Maggenti, 1961	215
<i>Plectus geophilus</i> de Man, 1880	215
<i>Plectus inquirendus</i> Andrassy, 1958	215
<i>Plectus longicaudatus</i> Bütschli, 1873	215
<i>Plectus</i> cf. <i>opisthocirculus</i> Andrassy, 1952	171
<i>Plectus parietinus</i> Bastian, 1865	171, 191, 193, 194, 215, 243
<i>Plectus parvus</i> Bastian, 1865	215
<i>Plectus rhizophilus</i> de Man, 1880	215
Fam. Rhabdolaimidae	
<i>Rhabdolaimus terrestris</i> de Man, 1880	215
Order Chromadorida	
Fam. Achromadoridae	
<i>Achromadora</i> cf. <i>semiarmata</i> Altherr, 1952	215
<i>Achromadora tenax</i> (de Man, 1876)	171, 215
<i>Achromadora</i> sp.	171
Fam. Ethmolaimidae	
<i>Ethmolaimus</i> sp.	171
Fam. Odontolaimus	
<i>Odontolaimus chlorurus</i> , de Man, 1880	215
Order Monohysterida	
Fam. Monohysteridae	
<i>Eumonhystera dispar</i> (Bastian, 1865)	215
<i>Monohystera</i> cf. <i>dispar</i> Bastian	
<i>Eumonhystera filiformis</i> (Bastian, 1865)	171, 215
<i>Monohystera filiformis</i> Bütschli	
<i>Eumonhystera vulgaris</i> (de Man, 1880)	6, 171, 215
<i>Monohystera vulgaris</i> de Man	
<i>Geomonhystera villosa</i> (Bütschli, 1873)	215
<i>Monohystera villosa</i> Bütschli	
<i>Monohystera disjuncta</i> Bastian, 1865	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Monohystera mucrura</i> (de Man, 1880)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Monohystera stagnalis</i> Bastian, 1865	171, 215
<i>Monohystera</i> sp	215, 288
Fam. Xyalidae	
<i>Theristus agilis</i> (de Man, 1880)	6, 63
Restricted to Jan Mayen (not present in Svalbard).	
<i>Monohystera agilis</i> de Man	

Class Adenophorea

Subclass Enoplia

Order Stichosomida

Fam. Trichinellidae

<i>Trichinella spiralis</i> (Owen, 1935)	36, 189, 190, 207
<i>Trichinella nelsoni</i> Parasite of Polar Bear (<i>Ursus maritimus</i>).	
<i>Trichinella nativa</i> (Britov and Boev, 1972)	180
Parasite of Arctic Fox (<i>Alopex lagopus</i>).	
<i>Trichinella</i> sp.	36, 250
Parasite of Arctic Fox (<i>Alopex lagopus</i>) and Polar Bear (<i>Ursus maritimus</i>).	

Fam. Philometridae

<i>Philonema oncorhynchi</i> Kuitunen-Ekbaum, 1933	184
Parasite of Arctic Char (<i>Salvelinus alpinus</i>).	
<i>Philonema</i> sp.	277

Species Inquirida

<i>Anguillulina macrophallum</i> (de Man)	6
Restricted to Jan Mayen (not present in Svalbard).	
<i>Macfadyenia filicaudata</i> Allgren, 1953	6
Restricted to Jan Mayen (not present in Svalbard).	

Nomina dubia

<i>Heterocephalobus filiformis</i> (de Man, 1876)	6
<i>Cephalobus filiformis</i> de Man Restricted to Jan Mayen (not present in Svalbard).	

Phylum Platyhelminthes

Class Cestoda

Order Cyclophyllidae

Fam. Anoplocephalidae

<i>Moniezia benedini</i> Moniez, 1872	48, 49, 50, 51, 131
Parasite of Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	

Fam. Taeniidae

<i>Echinococcus multilocularis</i> Leuckart, 1863	
Parasite of Sibling Vole (<i>Microtus rossiaemeridionalis</i>) and Arctic Fox (<i>Alopex lagopus</i>).	
<i>Taenia ovis krabbei</i> (Moniez, 1879) Verster, 1969	48, 50, 50, 131
Parasite of Svalbard Reindeer (<i>Rangifer tarandus platyrhynchus</i>).	
<i>Cysticercus tarandi</i>	

Order Proteocephalidea

Fam. Proteocephalidae

<i>Proteocephalus exiguus</i> Weinland, 1858	184
Parasite of Arctic Char (<i>Salvelinus alpinus</i> L.).	

Order Pseudophyllidea

Fam. Diphyllbothriidae

- Diphyllbothrium ditremum* (Creplin, 1825) 184, 195
Parasite of Arctic Char (*Salvelinus alpinus* L.).
Diphyllbothrium sp. 277
Parasite of Arctic Char (*Salvelinus alpinus* L.).

Fam. Triaenophoridae

- Eubothrium crassum* (Bloch, 1779) 183
Parasite of Arctic Char (*Salvelinus alpinus* L.).
Eubothrium salvelini Schrank, 1790 183, 184, 277
Parasite of Arctic Char (*Salvelinus alpinus* L.).

Class Trematoda

Order Digenea

- Cryptocotyle lingua* (Creplin, 1825) 257
Parasite of Glaucous Gull (*Larus hyperboreus*). In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.

Phylum Annelida

Class Oligochaeta

Fam. Enchytraeidae

- Bryodrilus diverticulatus* Cernosvitov, 1929 30, 95
Bryodrilus ehlersi glandulosa
Bryodrilus ehlersi Ude, 1892 28, 30, 95, 236, 237, 238, 283
Bryodrilus parvus Nurminen, 1970 28, 30, 95, 283,
Cernosvitoviella immota (Knoller, 1935) 30, 95, 236, 237, 238
Cernosvitoviella sp. 238
Cognettia sphagnetorum (Vejdovsky, 1877) 95, 237, 238
Cognettia sp. 28, 30
Enchytraeus albidus Henle, 1837 95, 236, 238, 289, 290, 291, 305, 306
Enchytraeus kincaidi Eisen, 1904 30, 95, 236, 237, 238, 290, 291, 306
Enchytraeus liefdeensis Stephenson
Enchytraeus sp. 236, 238, 289
Fridericia bulboides Neilsen and Christensen, 1959 95, 236, 238
Fridericia bulbosa (Rosa, 1887) 95, 236, 237, 238, 266
Fridericia leydigi (Vejdovsky, 1877) 95, 236
Henlea heletropha Stephenson, 1922,
augm. Nielsen and Christensen, 1959 28, 30, 95, 236, 238, 289, 291, 305
Henlea heletrophus Stephenson
Henlea glandulifera Nurminen, 1970 95, 237, 238
as *Henlea similis* (ref. 30)
Henlea nasuta (Eisen, 1878) 95
Henlea perpusilla Friend, 1911, augm. Cernosvitov, 1937 28, 30, 95, 236, 237, 238, 266, 283,
Henlea brucei Stephenson 289, 290, 291, 305, 306
Henlea similis Nielsen and Christensen, 1959 28, 30, 236, 237, 238, 302
Henlea ventriculosa (d'Udekem, 1954) 28, 30, 236, 237, 238, 302
Henlea sp. 236, 266, 289, 290, 291, 305
Lumbricillus arenarius (Michaelsen, 1988) 95, 236, 238
Lumbricillus magdalenae Nurminen

<i>Lumbricillus bülowi</i> Nielsen and Christensen, 1959	95
<i>Lumbricillus eltoni</i> (Stephenson, 1924)	95, 236, 290
<i>Enchytraeus eltoni</i> Stephenson	
<i>Lumbricillus muscicolus</i> (Stephenson, 1924)	95, 236, 291
<i>Enchytraeus muscicolus</i> Stephenson	
<i>Lumbricillus neilseni</i> Nurminen, 1965	95, 236, 237, 238
as <i>Lumbricillus bülowi</i> Nielsen and Christensen, 1959 (ref. 30)	
<i>Lumbricillus pagenstecheri</i> (Ratzel, 1869)	95, 236, 238, 289, 290, 291, 305, 306
as <i>Lumbricellus aegialites</i> Stephenson, 1922 (ref. 30)	
as <i>Lumbricellus necrophagus</i> Stephenson, 1922 (ref. 30)	
as <i>Lumbricellus nervosus</i> Ude, 1902 (ref. 30)	
<i>Lumbricillus reynoldsoni</i> Backlund, 1948	95, 236, 238
<i>Lumbricillus rivalis</i> Levinsen, 1890,	
augm. Ditlevsen, 1904	95, 236, 238
<i>Lumbricillus semifuscus</i> (Claparede, 1861)	
augm. Stephenson, 1911	95, 236, 238
<i>Lumbricillus tuba</i> Stephenson, 1911	95
<i>Lumbricellus</i> sp.	238, 266, 275, 276
<i>Marionina aporus</i> (Stephenson, 1925)	95, 236, 291
<i>Enchytraeus aporus</i> Stephenson	
<i>Marionina argentea</i> (Michaelsen, 1889)	28, 30, 95, 236, 237, 238, 266
<i>Marionina crymodes</i> (Stephenson, 1922)	95, 236, 289, 305, 306
<i>Enchytraeus crymodes</i> Stephenson	
<i>Marionina libra</i> Neilsen and Christensen, 1959	95, 236, 238
<i>Mesenchytraeus argentatus</i> Nurminen, 1973	28, 30, 95, 283
<i>Mesenchytraeus eltoni</i> Stephenson, 1925	95, 236, 291, 306
<i>Mesenchytraeus flavus</i> (Levinsen, 1884)	28, 30, 95, 237, 238, 283
<i>Mesenchytraeus</i> sp.	28, 30, 95, 236, 237, 238, 289, 305
Fam. Lumbricidae	
Sp. unknown.	236
One immature juvenile found. Extremely rare. Possible incorrect identification.	

Phylum Tardigrada

Class Heterotardigrada

Order Arthrotardigrada

Fam. Echiniscidae

<i>Bryodelphax sinensis</i> (Pilato, 1974)	78, 221, 222
<i>Echiniscus sinensis</i> Pilato	
<i>Echiniscus arctomys</i> Ehrenberg, 1853	222, 233, 319, 336
<i>Echiniscus blumi</i> Richters, 1903	78, 221, 222, 319, 336
<i>Echiniscus capillatus</i> Ramazzotti, 1956	78, 222
<i>Echiniscus granulatus</i> (Doyère, 1840)	78, 221, 222, 254
<i>Echiniscus loxophthalmus</i> Richters, 1911	222, 254
<i>Echiniscus merokensis</i> Richters, 1904	78, 221, 222, 336
<i>Echiniscus oihonnae</i> Richters, 1903	222, 254, 336
<i>Echiniscus quadrispinosus</i> Richters, 1902	222, 336
<i>Echiniscus spinulosus</i> (Doyère, 1840)	222, 336
<i>Echiniscus testudo</i> (Doyère, 1840)	78, 221, 222, 336
<i>Echiniscus wendti</i> Richters, 1903	78, 171, 221, 222, 254, 319, 336
<i>Echiniscus</i> sp.	171, 222

<i>Pseudechiniscus islandicus</i> (Richters, 1904)	222, 330
<i>Pseudechiniscus suillus</i> (Ehrenberg, 1853)	78, 221, 222, 329, 330, 336
<i>Pseudechiniscus victor</i> (Ehrenberg, 1853)	78, 221, 222, 254, 336
<i>Testechiniscus spitsbergensis</i> (Scourfield, 1897)	78, 221, 222, 254, 319, 329, 330, 336
<i>Echiniscus spitsbergensis</i> Scourfield	

Class Eutardigrada

Order Apochela

Fam. Milnesiidae

<i>Milnesium tardigradum</i> Doyère, 1840	78, 221, 222, 254, 319, 336
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Order Parachela

Fam. Amphibolidae

<i>Amphibolus nebulosus</i> (Dastych, 1983)	77, 78, 222
<i>Amphibolus smreczynskii</i> (Weglarska, 1970)	90, 171, 191, 192, 193, 194, 222, 243
<i>Doryphoribius smreczynskii</i> Weglarska	
<i>Amphibolus weglarskae</i> (Dastych, 1972)	222, 328, 329, 330

Fam. Hypsibiidae

<i>Diphascon stappersi</i> Richters, 1911	222, 254, 319, 329, 336
<i>Hypsibius stappersi</i> (Richters)	
<i>Diphascon (Diphascon) alpinum</i> J. Murray, 1906	90, 171, 222, 233, 251, 328, 336
<i>Hypsibius alpinus</i> (Murray)	
<i>Diphascon (Diphascon) chilense</i> Plate, 1888	221, 222, 233, 254, 336
<i>Diphascon chilense</i> (Plate)	
<i>Hypsibius chilensis</i> Plate	
<i>Diphascon (Diphascon) oculatum</i> J. Murray, 1906	78, 222
<i>Diphascon oculatum</i> Murray	
<i>Diphascon (Diphascon) pingue</i> (Marcus, 1936)	78, 221, 222, 329, 330
<i>Diphascon pingue</i> (Marcus)	
<i>Diphascon (Diphascon) recamieri</i> Richters, 1911	78, 87, 171, 221, 222, 251, 330, 336
<i>Diphascon recamieri</i> Richters	
<i>Hypsibius recamieri</i> (Richters)	
<i>Diphascon (Diphascon) tenue</i> Thulin, 1928	78, 221, 222
<i>Diphascon tenue</i> Thulin	
<i>Hypsibius tenuis</i> (Thulin)	
<i>Diphascon (Adropion) arduifrons</i> (Thulin, 1928)	78, 222
<i>Diphascon arduifrons</i> Thulin	
<i>Diphascon (Adropion) belgicae</i> Richters, 1911	78, 221, 222, 254, 319, 336
<i>Fujiscon belgicae</i> (Richters)	
<i>F. diphasconiellum</i> Ito	
<i>Diphascon belgicae</i> Richters	
<i>Hypsibius belgicae</i> (Richters)	
<i>Diphascon (Adropion) prorsirostre</i> Thulin, 1928	221, 222
<i>Diphascon prorsirostre</i> Thulin	
<i>Diphascon (Adropion) scoticum</i> J. Murray, 1905	78, 90, 171, 222, 233, 251, 329, 330, 336
<i>Diphascon scoticum</i> J. Murray	
<i>Hypsibius scoticus</i> (J. Murray)	
<i>Doryphoribius macrodon</i> Binda, Pilato and Dastych, 1980	27, 78, 222
<i>Hebesuncus conjugens</i> (Thulin, 1911)	78, 221, 222, 329
<i>Diphascon conjugens</i> (Thulin)	
<i>Hypsibius antarcticus</i> (Richters, 1905)	78, 81, 222, 329

<i>Hypsibius arcticus</i> (Murray, 1907)	78, 79, 81, 222, 233, 251, 336
<i>Macrobiotus arcticus</i> Murray	
<i>Hypsibius convergens</i> (Urbanowicz, 1925)	78, 171, 221, 222, 229, 251, 329
<i>Hypsibius dujardini</i> (Doyère, 1840)	78, 89, 90, 171, 221, 222, 229, 233,
<i>Macrobiotus tetradactylus</i> Greef	251, 254, 319, 328, 329, 330, 336
<i>Hypsibius microps</i> Thulin, 1928	221, 222
<i>Hypsibius montivagus</i> Dastych, 1983	77, 78, 222
<i>Hypsibius pallidus</i> Thulin, 1911	78, 171, 221, 222
<i>Hypsibius zetlandicus</i> (J. Murray, 1907)	222, 229, 233
<i>Hypsibius (Hypsibius) zetlandicus</i> (J. Murray)	
<i>Isohypsibius bakonyiensis</i> (Iharos, 1964)	78, 222
<i>Isohypsibius dastychi</i> Pilato, Bertolani and Binda, 1982	78, 222
<i>Isohypsibius ceciliae</i> Pilato and Binda, 1987	248
<i>Isohypsibius elegans</i> (Binda and Pilato, 1971)	78, 222, 330
<i>Isohypsibius fuscus</i> (Mihelcic, 1971)	222, 229
<i>Hypsibius (Isohypsibius) fuscus</i> Mihelcic	
<i>Isohypsibius granulifer</i> (Thulin, 1928)	78, 90, 87, 171, 222, 251, 328, 329,
<i>Hypsibius granulifer</i> (Thulin, 1928)	330
<i>Isohypsibius papillifer</i> (J. Murray, 1905)	222, 328, 329, 330
<i>Hypsibius papillifer</i> (J. Murray)	
<i>Isohypsibius papillifer bulbosus</i> (Marcus, 1928)	222, 328, 329, 336
<i>Isohypsibius prosostomus</i> Thulin, 1928	78, 171, 221, 222
<i>Hypsibius prosostomus</i> (Thulin)	
<i>Isohypsibius pulcher</i> (Mihelcic, 1971)	222, 229
<i>Hypsibius (Hypsibius) pulcher</i> Mihelcic	
<i>Isohypsibius sattleri</i> (Richters, 1902)	80, 221, 222
<i>Isohypsibius schaudinni</i> (Richters, 1909)	222, 336
<i>Hypsibius schaudinni</i> (Richters)	
<i>Isohypsibius tuberculatus</i> (Plate, 1888)	222, 233, 336, 319
<i>Hypsibius tuberculatus</i> Plate	
<i>Macrobiotus tuberculatus</i> Plate	
<i>Itaquascon enckelli</i> (Mihelcic, 1971)	222, 229
<i>Hypsibius (Diphascaon) enckelli</i> Mihelcic	
<i>Mesocrista spitzbergense</i> (Richters, 1903)	90, 171, 191, 192, 193, 194, 222, 233,
<i>Diphascaon spitzbergense</i> (Richters)	319, 328, 330, 336
<i>Hypsibius spitzbergensis</i> Richters	
<i>Platicrista angustata</i> (Murray, 1905)	78, 221, 222, 233, 336
<i>Diphascaon angustatum</i> Murray	
<i>Hypsibius angustatus</i> (Murray)	
<i>Ramazzottius cataphractus</i> (Maucci, 1974)	78, 221, 222
<i>Hypsibius cataphractus</i> Maucci	
<i>Ramazzottius oberhauseri</i> (Doyère, 1840)	78, 221, 222, 233, 254, 319, 336
<i>Hypsibius oberhauseri</i> Doyère	
<i>Macrobiotus oberhauseri</i> (Doyère)	
<i>Macrobiotus oberhauseri</i> var. <i>granulatus</i> Richters	
<i>Thulinia augusti</i> (Murray, 1907)	222, 229, 230
<i>Pseudobiotus augusti</i> (Murray)	
<i>Hypsibius (Isohypsibius) augusti</i> Murray	
Fam. Macrobiotidae	
<i>Calohypsibius ornatus</i> (Richters, 1900)	221, 222, 233, 254, 319, 336
<i>Hypsibius ornatus</i> Richters	
<i>Macrobiotus ornatus</i> var. <i>spinosissimus</i> Richters	

<i>Calohypsibius ornatus carpaticus</i> (Bartos, 1939)	78, 222
<i>Dactylobiotus ambiguus</i> (J. Murray, 1907)	90, 171, 222, 229, 233, 336
<i>Macrobotus ambiguus</i> Murray	
<i>Dactylobiotus dispar</i> (J. Murray, 1907)	191, 192, 193, 222, 233, 329, 330,
<i>Macrobotus dispar</i> Murray	336
<i>Dactylobiotus macronyx</i> (Dujardin, 1851)	222, 234, 305, 336
<i>Macrobotus macronyx</i> Dujardin	
<i>Macrobotus areolatus</i> Murray, 1907	221, 222, 336
<i>Macrobotus ariekammensis</i> Weglarska, 1965	78, 222
<i>Macrobotus brevipes</i> Mihelcic, 1971	210, 222
<i>Macrobotus crenulatus</i> Richters, 1904	26, 221, 222, 233, 330
<i>Macrobotus dianee</i> Kristensen, 1982	222, 329, 330
<i>Macrobotus echinogenitus</i> Richters, 1903	26, 78, 90, 191, 192, 193, 222, 233,
? <i>Macrobotus crenulatus</i> Richters	251, 254, 319, 329, 330, 336
<i>Macrobotus harmsworthi</i> J. Murray, 1907	78, 221, 222, 233, 254, 319, 330, 336
<i>Macrobotus harmsworthi obscurus</i> Dastych, 1985	78, 192, 193, 222
<i>Macrobotus hibernicus</i> Murray, 1911	78, 222
<i>Macrobotus hufelandi</i> Schultzze, 1833	78, 221, 222, 233, 251, 319, 328, 336
<i>Macrobotus islandicus</i> Richters, 1904	78, 191, 192, 193, 221, 222, 233
<i>Macrobotus norvegicus</i> Mihelcic, 1971	222, 229
<i>Macrobotus richtersi</i> Murray, 1911	78, 221, 222, 229, 230
<i>Macrobotus spectabilis</i> Thulin, 1928	191, 192, 193, 222
<i>Macrobotus willardi</i> Pilato, 1977	78, 221, 222
<i>Macrobotus</i> sp.	222, 229, 251, 319
<i>Minibiotus intermedius</i> (Plate, 1888)	78, 221, 222, 233, 319, 336
<i>Macrobotus intemedius</i> Plate	
<i>Murrayon pullari</i> (J. Murray, 1907)	89, 90, 222, 233, 336
<i>Macrobotus pullari</i> Murray	
<i>Richtersius coronifer</i> (Richters, 1903)	78, 221, 222, 319, 336
<i>Adorybiotus coronifer</i> (Richters)	
<i>Macrobotus coronifer</i> Richters	
Nomina dubia	
<i>Doyeria simplex</i> Plate	319
<i>Echiniscus spiculifer</i> Schaudin	336
<i>Tyroglyphus mycophagus</i> Latreille	318

Phylum Chelicerata

Class Arachnida

Subclass Acari

Order Acariformes

Suborder Oribatida

Supercohort Brachypylides

Cohort Apterogasterina

Superfam. Ameronothroidea

<i>Ameronothrus lineatus</i> (Thorell, 1871)	34, 41, 42, 70, 164, 181, 182, 219, 254,
<i>Eremaeus lineatus</i> Thorell	271, 305, 306, 318, 319, 342, 343
<i>Scutovertex lineatus</i> (Thorell)	
<i>Ameronothrus nidicola</i> Sitnikova, 1975	56
Probably <i>Ameronothrus lineatus</i> (Thorell)	

<i>Ameronothrus nigrofemoratus</i> (L. Koch, 1879)	219
Restricted to Jan Mayen (not present in Svalbard).	
Probably <i>Ameronothrus lineatus</i> (Thorell)	
Probably only one species of <i>Ameronothrus</i> present (<i>A. lineatus</i>).	
Superfam. Carabodoidea	
<i>Carabodes labyrinthicus</i> (Michael, 1879)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tectocephus alatus</i> Berlese, 1913	235
Dubious record.	
<i>Tectocephus sarekensis</i> Trägårdh, 1910	181, 182
<i>Tectocephus velatus</i> (Michael, 1880)	56, 70, 181, 182, 219, 318, 320
<i>Tectocephus</i> sp.	272
Likely that only one species of <i>Tectocephus</i> is present. Differences between <i>T. sarekensis</i> and <i>T. velatus</i> are problematic.	
Superfam. Cymbaeremaeoidea	
<i>Micreremus brevipes</i> (Michael, 1888)	235
Superfam. Damaeidea	
<i>Belba compta</i> (Kulczynski, 1902)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Metabelba</i> sp.	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Oribata ursina</i> Thor, 1930	219, 318, 319
Validity of this species is questionable. <i>Damaeus ursinae</i> is cited in ref. 201 but may refer to <i>O. ursina</i> Thor 1930.	
<i>Spatiodamaeus</i> sp.	235
Probably wrong. Middle European species.	
? <i>Damaeus</i> sp.	
Superfam. Gymnodamaeidea	
<i>Gymnodamaeus</i> sp.	272
Probably wrong. Middle European species.	
Superfam. Hermannioidea	
<i>Hermannia reticulata</i> Thorell, 1872	13, 34, 66, 69, 152, 164, 181, 182, 219, 235, 305, 318, 319, 320, 335, 342
<i>Hermannia scabra</i> (L. Koch, 1879)	182, 319
Superfam. Gustavioidea	
<i>Ceratoppia bipilis</i> (Hermann, 1804)	41, 42, 121, 164, 305, 306, 319
<i>Eremaeus bipilis</i> (Hermann)	
Likely wrongly determined.	
<i>Ceratoppia hoeli</i> Thor, 1930	13, 25, 66, 69, 70, 152, 181, 182, 235, 305, 318, 320, 335, 342
<i>Ceratoppia hoeli</i> and <i>C. sphaerica</i> are most probably synonyms.	
<i>Ceratoppia sphaerica</i> (L. Koch, 1879)	25, 219, 306, 335
<i>Notaspis bipilis</i> var. <i>sphaerica</i> (L. Koch)	
<i>Ceratoppia hoeli</i> and <i>C. sphaerica</i> are most probably synonyms.	
<i>Ceratoppia</i> sp.	56, 266
Likely that only <i>C. sphaerica</i> occurs in Svalbard.	

Superfam. Oppioidea

<i>Autogneta kaisilai</i> Karppinen, 1997	181, 182, 342
May be synonym with other <i>Autogneta</i> . Unclear whether this species genuinely occurs in Svalbard. More commonly from Finnish woodland.	
<i>Dissorhina ornata</i> (Oudemans, 1900)	181, 182, 219, 318, 320
<i>Cosmoppia ornata</i> (Oudemans)	
<i>Dameosoma ornatum</i> (Oudemans)	
<i>Oppia ornata</i> (Oudemans)	
<i>Lauroppia fallax</i> (Paoli, 1908)	181, 182, 320, 342
<i>Oppiella fallax</i> (Paoli)	
<i>Oppia fallax</i> (Paoli)	
<i>Lauroppia maritima</i> (Willmann, 1929)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Oppia maritima</i> (Willmann)	
<i>Lauroppia translamellata</i> (Willmann, 1923)	70, 121, 181, 182, 191, 219, 235, 271,
<i>Oppia translamellata</i> (Willmann)	272, 320, 342
These three <i>Lauroppia</i> species are probably the same species in Svalbard (<i>L. translamellata</i>).	
<i>Micropoppia minus</i> (Paoli, 1908)	272
Considered a dubious record.	
<i>Oppiella minus</i>	
<i>Oppia</i> sp.	56, 266
Probably <i>Lauroppia</i> sp.	
<i>Oppiella nova</i> Oudemans, 1902	5, 69, 157, 181, 182, 219, 272, 318,
<i>Dameosoma neerlandicum</i> (Oudemans, 1900)	320, 335, 342
<i>Oppia nova</i> (Oudemans)	
<i>Oppia neerlandica</i> (Oudemans)	
<i>Quadroppia quadricarinata</i> (Michael, 1885)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Oppia quadricarinata</i> (Michael)	
<i>Suctobelba trigona</i> (Michael, 1888)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Suctobelba</i> sp.	272
<i>Suctobelbella sarekensis</i> (Forsslund, 1941)	181, 182, 342
<i>Suctobelba sarekensis</i> (Forsslund)	
<i>Suctobelbella subcornigera</i> (Forsslund, 1941)	181, 182, 342
<i>Suctobelba subcornigera</i> (Forsslund)	

Cohort Pterogasterina

Superfam. Ceratozetoidea

<i>Ceratozetes spitsbergensis</i> Thor, 1934	70, 181, 182, 272, 320
<i>Chamobates borealis</i> (Trägårdh, 1902)	56
<i>Chamobates birulai</i> (Kulczynski, 1902)	319
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Notaspis birulai</i> Kulczynski	
<i>Diapterobates notatus</i> (Thorell, 1871)	13, 25, 34, 56, 66, 69, 70, 121, 152,
<i>Oribata notata</i> Thorell	155, 157, 164, 181, 191, 235, 271,
<i>Murcia notata</i> (Thorell)	182, 266, 272, 305, 306, 318, 319,
<i>Sphaerozetes notatus</i> Thorell	320, 335, 342
<i>Trichoribates notatus</i> (Thorell)	
<i>Edwardzetes edwardsii</i> (Nicolet, 1855)	181, 182, 320
Probably wrongly determined. Present in northern Norway.	

<i>Mycobates sarekensis</i> (Trägårdh, 1910)	69, 181, 182, 219, 235, 273, 318, 320,
<i>Calyptozetes sarekensis</i> (Trägårdh)	335, 342
<i>Oromurcia lucens</i> (L. Koch, 1879)	319
Restricted to Bjørnøya and of questionable validity.	
<i>Notaspis lucens</i> L. Koch	
Probably <i>Svalbardia paludicola</i> Thor, 1930	
<i>Sphaerozetes piriformis</i> (Nicolet, 1855)	164, 305, 306, 319
Probably wrongly determined. Present in northern Norway.	
<i>Svalbardia paludicola</i> Thor, 1930	181, 318
<i>Trichoribates novus</i> (Sellnick, 1928)	56
<i>Trichoribates setiger</i> (Trägårdh, 1910)	235
<i>Trichoribates trimaculatus</i> (C.L. Koch, 1836)	56, 182, 219
<i>Trichoribates</i> sp.	56
The records of these <i>Trichoribates</i> species are problematic.	
Superfam. Galumnoidea	
<i>Pergalumna nervosa</i> (Berlese, 1914)	272
Probably wrongly determined. Middle European species.	
Superfam. Licneremaeoidea	
<i>Scutovertex minutus</i> (C.L. Koch, 1835)	181, 182, 235
Probably wrongly determined. Middle European species.	
Superfam. Oribatelloidea	
<i>Oribatella arctica</i> Thor, 1930	181, 318, 320
Superfam. Oripodoidea	
<i>Liebstadia similis</i> (Michael, 1888)	219
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Oribatula crassipes</i> (C.L. Koch)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Oribatula tibialis</i> (Nicolet, 1885)	56, 219
<i>Oribatula venusta</i> Berlese, 1908	56, 181, 182, 235, 320, 342
<i>Zygoribatula venusta</i> (Berlese)	
Identity of <i>Oribatula crassipes</i> and <i>O. venustra</i> problematic. Most probably only one species in Svalbard (<i>O. tibialis</i>).	
<i>Phauloppia lucorum</i> (C.L. Koch, 1841)	181
Probably wrongly determined. Unlikely to be present in Svalbard.	
<i>Notaspis lucorum</i> (C.L. Koch) Michael, 1897, Berlese, 1889	
<i>Zygoribatula exilis</i> (Nicolet, 1855)	164, 182, 305, 318, 319
<i>Oribatula exilis</i> (Nicolet)	
Supercohort Macropyliodes	
Cohort Arthronotina	
Superfam. Brachychthonoidea	
<i>Brachychthonius berlesei</i> William, 1928	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Brachychthonius horridus</i> Sellnick, 1926	201
Restricted to Jan Mayen (not present in Svalbard).	
<i>Brachychthonius scalaris</i> (Forsslund, 1942)	219
Restricted to Jan Mayen (not present in Svalbard).	

<i>Eobrachychthonius borealis</i> (Forsslund, 1942)	235
<i>Eobrachychthonius latior</i> (Berlese, 1910)	181, 182, 219, 235
<i>Eobrachychthonius grandis</i> (Sellnick)	
<i>Eobrachychthonius oudemansi</i> van der Hammen, 1952	235
<i>Liochthonius alpestris</i> (Forsslund, 1958)	56
<i>Liochthonius brevis</i> (Michael, 1888)	181, 318, 320
<i>Brachychthonius perpusillus</i> Berlese	
<i>Brachychthonius brevis</i> (Michael) var. <i>glabra</i>	
<i>Liochthonius perpusillus</i> (Berlese)	
<i>Liochthonius laetepictus</i> (Berlese, 1910)	181, 182, 235, 320
<i>Brachychthonius laetepictus</i> Berlese	
<i>Liochthonius lapponicus</i> (Trägårdh, 1910)	56, 119, 181, 182
<i>Liochthonius muscorum</i> Forsslund, 1964	56, 119
<i>Liochthonius sellnicki</i> (Thor, 1930)	181, 182, 219, 235, 318, 320
<i>Brachychthonius sellnicki</i> Thor	
<i>Liochthonius</i> sp.	56, 191, 272

Cohort Holonotina

Superfam. Nothroidea

<i>Camisia anomia</i> Colloff, 1993	13, 66, 69, 335
<i>Camisia biverrucata</i> (C.L. Koch, 1839)	181, 182, 320
<i>Nothrus biverrucatus</i> C.L. Koch	
<i>Camisia borealis</i> (Thorell, 1871)	70, 150, 181, 182, 235, 319
<i>Camisia foveolata</i> Hammer, 1955	56, 121, 182, 271, 280
<i>Camisia horrida</i> (Hermann, 1804)	34, 181, 182, 219, 235, 318, 320, 342
<i>Nothrus horridus</i> (Hermann)	
<i>Nothrus borealis</i> Thorell	
<i>Camisia invenusta</i> (Michael, 1888)	
<i>Nothrus invenusta</i> (Michael)	
<i>Camisia lapponica</i> (Trägårdh, 1910)	56
<i>Camisia spinifer</i> (C.L. Koch, 1836)	181, 182, 320
<i>Nothrus spinifer</i> C.L. Koch	
<i>Camisia</i> sp.	56
<i>Heminothrus paolianus</i> (Berlese, 1913)	219
Restricted to Jan Mayen (not present in Svalbard). More probably <i>Heminothrus paolianus</i> var. <i>longisetosus</i> since <i>H. paolianus</i> is a Mediterranean species.	
<i>Nothrus borrusicus</i> Sellnick, 1928	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Nothrus silvestris</i> C.L. Koch, 1836	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Nothrus</i> sp.	121, 272
Probably <i>Camisia</i> sp.	
<i>Platynothrus peltifer</i> (C.L. Koch, 1839)	181, 182, 235
? <i>Platynothrus punctatus</i> (C.L. Koch)	
<i>Platynothrus septentrionalis</i> Sellnick, 1944	181, 182
Problematic occurrence in Svalbard.	
<i>Platynothrus capillatus</i> (Berlese) var. <i>septentrionalis</i> Sellnick	

Cohort Ptyctima

Superfam. Euphthiracaroida

<i>Microtritia</i> sp.	272
Probably wrongly determined. Unlikely to be present in Svalbard. A middle European species.	

Suborder Sarcoptiformes

Supercohort Acaridida (Astigmata)

Superfam. Acaroidea

Fam. Acaridae

- Acotyledon krameri* (Berlese, 1881) 219
Restricted to Jan Mayen (not present in Svalbard).
Cosmoglyphus krameri Berlese
- Tyroborus lini* Oudemann 219
Restricted to Jan Mayen (not present in Svalbard).
- Tyrophagus putrescentiae* (Schrank, 1781) 219
Restricted to Jan Mayen (not present in Svalbard).
Coelognathus putrescentiae (Schrank)

Superfam. Glycyphagoidea

Fam. Glycyphagidae

- Glycyphagus domesticum* (De Geer, 1771) 219
Restricted to Jan Mayen (not present in Svalbard).
Oudemansium domesticus (De Geer)

Superfam. Anoetoidea

Fam. Anoetidae

- Histiostoma* sp. 219
Restricted to Jan Mayen (not present in Svalbard).

Suborder Trombidiformes (Actinedida)

Cohort Endostigmata

Superfam. Pachygnathoidea

Fam. Alicorhagiidae

- Alicorhagia clavipilus* (Thor, 1931) 320
Epistomalycus clavipilus Thor
- Alicorhagia fragilis* Berlese, 1910 219
Restricted to Jan Mayen (not present in Svalbard).
- Alicorhagia plumipilis* (Thor, 1931) 320
Epistomalycus plumipilis Thor

Fam. Nanorchestidae

- Nanorchestes amphibius* Topsent and Trouessart, 1890 219
Restricted to Jan Mayen (not present in Svalbard).
- Nanorchestes arboriger* (Berlese, 1904) 219, 318, 320
Alycus arboriger Berlese
- Speleochestes* sp. 219
Restricted to Jan Mayen (not present in Svalbard).

Cohort Eupodina

Superfam. Bdelloidea

Fam. Bdellidae

- Bdella longicornis* (Linnaeus, 1758) 159, 219, 305, 306, 318, 319, 320
Bdella decipiens Thorell
- Bdella semiscutata* Thor, 1930 318, 320

<i>Bdellodes longirostris</i> (Hermann, 1904)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Bdella longirostris</i> (Hermann)	
<i>Biscirus lapidarius</i> (Kramer, 1881)	20, 318
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Scirus lapidarius</i> (Kramer)	
<i>Cyta latirostris</i> (Hermann, 1804)	219, 318, 320
<i>Cyta brevirostris</i> (L. Koch, 1879)	
(a variety of <i>C. latirostris</i>)	41, 159, 305, 306, 319
<i>Ammonia brevirostris</i> L. Koch, sensu Trägårdh	
<i>Neomolgus capillatus</i> (Kramer, 1881)	318
<i>Moligus capillatus</i> (Kramer)	
<i>Neomolgus littoralis</i> (Linnaeus, 1758)	12, 20, 41, 159, 219, 305, 306, 318,
<i>Bdella arctica</i> Thorell, 1872	319
<i>Bdella littoralis</i> (Linnaeus)	
<i>Bdella groenlandicus</i> Trägårdh	
<i>Moligus littoralis</i> (L.)	
<i>Bdella sanguinea</i> (Trouessart)	
<i>Neomolgus pallipes</i> (L. Koch)	159, 305, 306
Fam. Cunaxidae	
<i>Cunaxoides croceus</i> (C.L. Koch, 1838)	320
<i>Eupalus croceus</i> (C.L. Koch)	
Superfam. Eupodoidea	
Fam. Eupodidae	
<i>Cocceupodes clavifrons</i> (R. Canestrini, 1886)	219, 318, 320
<i>Coccorhagidia clavifrons</i> (Canestrini)	
<i>Eupodes clavifrons</i> Canestrini	
<i>Cocceupodes curviclava</i> Thor, 1934	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Cocceupodes mollicellus</i> (Koch, 1838)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Cocceupodes paradoxus</i> Weis-Fogh, 1948	201
Restricted to Jan Mayen (not present in Svalbard).	
<i>Eupodes variegatus</i> C.L. Koch, 1838	219, 318, 320
<i>Prottereunetes borneri</i> Thor, 1934	219, 320
<i>Prottereunetes brevipes</i> (Berlese, 1923)	219
Restricted to Jan Mayen (not present in Svalbard).	
Fam. Penthaleidae	
<i>Halotydeus destructor</i> Jack	219
In stored food. Misidentified? A Southern Hemisphere genus. Restricted to Jan Mayen (not present in Svalbard).	
<i>Penthaleus bipustulatus</i> (Hermann, 1804)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Penthaleus maior</i> (Dugès, 1834)	219, 318, 319, 320
<i>Penthaleus insulanus</i> Thorell	
Bertram and Lack 1938 cite <i>Penthaleus maior</i> (Dugès, 1834) as <i>Penthalodes maior</i> (Dugès, 1834).	
<i>Penthaleus</i> sp.	306

Fam. Penthalodidae

<i>Penthalodes ovalis</i> (Dugès, 1834)	219, 306, 318, 319, 320
<i>Chromotydeus arcticus</i> Trägårdh, 1905	
<i>Penthalodes ovalis</i> Dugès	
<i>Penthaleus arcticus</i> Trägårdh	

Fam. Rhagidiidae

<i>Coccorhagidia clavifrons</i> (Canestrini, 1886)	318
<i>Rhagidia clavifrons</i> (Canestrini)	
<i>Foveacheles terricola</i> (C.L. Koch, 1835)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Rhagidia terricola</i> (C.L. Koch)	
<i>Poecilophysis reflexa</i> (C.L. Koch, 1838)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Rhagidia reflexa</i> (C.L. Koch)	
<i>Rhagidia birulai</i> Thor, 1909	219
Restricted to Jan Mayen (not present in Svalbard). Genus placement uncertain.	
<i>Rhagidia gelida</i> Thorell, 1872	20, 41, 159, 219, 305, 306, 318, 319, 320

Superfam. Tydeoidea

Fam. Tydeidae

<i>Coccotydeus globifer</i> (Thor, 1931)	320
Genus placement uncertain.	
<i>Microtydeus constans</i> Thor, 1931	219, 320
<i>Microtydeus similis</i> R. Canestrini, 1886	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Microtydeus subtilis</i> (Koch, 1838)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Triophytydeus pinicolus</i> (Oudemans, 1929)	320
<i>Tydaeolus frequens</i> (Grandjean, 1939)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Coccotydeus frequens</i> (Grandjean)	
<i>Tydaeolus tenuiclaviger</i> (Thor, 1931)	320
<i>Coccotydeus tenuiclaviger</i> (Thor)	
<i>Tydeus croceus</i> (Linnaeus, 1758)	
<i>Tydeus interruptus</i> Thor, 1932	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tydeus foliorum</i> (Schrank, 1781)	318
<i>Tydeus kochi</i> Oudemans, 1928	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tydeus langei</i> Thor, 1934	320
<i>Tydeus svalbardensis</i> Thor, 1932	219, 320
<i>Tydeus totensis</i> Thor, 1932	201
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tydeus tridactylus</i> Weis-Fogh, 1948	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tydeus</i> sp.	219

Cohort Eleutherengona

Superfam. Raphignathoidea

Fam. Stigmaeidae

<i>Eustigmaeus oudemansi</i> (Thor, 1930)	318
<i>Ledermülleria oudemansi</i> (Thor)	
<i>Eustigmaeus pulchellus</i> (Thor, 1930)	318
<i>Liostigmaeus pulchellus</i> Thor	
<i>Eustigmaeus</i> sp.	56
<i>Ledermülleria</i> sp.	

Superfam. Tetranychoida

Fam. Tetranychidae

<i>Bryobia borealis</i> Oudemans, 1930	306, 318, 320
<i>Bryobia praetiosa</i> C.L. Koch, 1836	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Bryobia graminum</i> (Schrank, 1781)	

Cohort Heterostigmata

Superfam. Pygmephoroida

Fam. Pygmephoridae

<i>Bakerdania arcticus</i> (Thor, 1934)	320
<i>Pediculoides arcticus</i> (Thor)	
<i>Bakerdania cultratus</i> (Berlese, 1904)	219
<i>Pygmephorus cultratus</i> (Berlese)	
Restricted to Jan Mayen (not present in Svalbard).	
<i>Bakerdania stercoricola</i> (Berlese, 1904)	219
<i>Pygmephorus stercoricola</i> (Berlese)	
Restricted to Jan Mayen (not present in Svalbard).	
<i>Bakerdania tarsalis</i> (Hirst, 1921)	219
<i>Pygmephorus tarsalis</i> (Hirst)	
Restricted to Jan Mayen (not present in Svalbard).	
<i>Pygmephorus spinosus</i> Kramer, 1877	124, 219
Restricted to Jan Mayen (not present in Svalbard).	

Superfam. Scutacaroida

Fam. Scutacaridae

<i>Scutacarus tridentinus</i> (Paoli, 1911)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Variatipes tridentinus</i> (Paoli)	

Superfam. Tarsonemoidea

Fam. Tarsonemidae

<i>Xenotarsonemus uliginosus</i> (Willmann, 1942)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tarsonemoides uliginosus</i> (Willmann)	

Cohort Parasitengona

Superfam. Lebertioidea

Fam. Sperchonidae

<i>Sperchon brevisrostris</i> (Koenike, 1895)	20, 305, 318
<i>Sperchon lineatus</i> Thor, 1899	

Superfam. Trombidioidea	
Fam. Podothrombiidae	
<i>Podothrombium bicolor</i> (Hermann, 1804)	318
<i>Podothrombium curtipalpe</i> (Thor, 1900)	318
<i>Podothrombium svalbardense</i> Oudemans, 1930	318
Fam. Ereynetidae	
<i>Ereynetes</i> sp.	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Opsereynetes norvegicus</i> Thor	219
Restricted to Jan Mayen (not present in Svalbard).	
Order Parasitiformes	
Suborder Gamasida (Mesostigmata)	
Cohort Gamasina	
Superfam. Ascoidea	
Fam. Ascidae	
<i>Antennoseius</i> (<i>Vitzthumia</i>) <i>oudemansi</i> (Thor, 1930)	56, 318, 320
<i>Vitzthumia oudemansi</i> Thor	
<i>Arctoseius laterincisus</i> Thor, 1930	318, 320
<i>Arctoseius multidentatus</i> Evans, 1955	56
<i>Arctoseius pristinus</i> Karg, 1992	56
<i>Arctoseius taimyricus</i> Petrova et Makarova, 1991	56
<i>Arctoseius weberi</i> Evans, 1955	56
<i>Melichares</i> sp.	56
<i>Proctolaelaps parvanalis</i> (Thor, 1930)	318, 320
<i>Lasioseuis parvanalis</i> Thor	
<i>Zerconopsis</i> sp.	56
? <i>Zerconopsis</i> sp.	
Fam. Phytoseiidae	
<i>Amblyseius magnanalis</i> Thor, 1930	318, 320
<i>Lasioseuis magnanalis</i> Thor	
Superfam. Dermanyssoidea	
Fam. Haemogamasidae	
<i>Haemogamasus ambulans</i> (Thorell, 1872)	201, 318, 320
Parasite of Sibling Vole (<i>Microtus rossiaemeridionalis</i>).	
<i>Eulaelaps ambulans</i> (Thorell)	
Fam. Hypoaspidae	
<i>Hypoaspis ovalis</i> C.L. Koch 1836	159, 305, 319
Incertae sedis. In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
Fam. Laelapidae	
<i>Laelaps hilaris</i> C.L. Koch	201
Parasite of Sibling Vole (<i>Microtus rossiaemeridionalis</i>).	

Superfam. Parasitoidea

Fam. Parasitidae

<i>Eugamasus berlesei</i> (Willmann, 1935)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Gamasodes berlesei</i> (Willmann)	
<i>Parasitellus fucorum</i> (De Geer)	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Parasitellus ferox</i> (Trägårdh)	
<i>Pergamasus</i> sp.	219
Restricted to Jan Mayen (not present in Svalbard).	

Superfam. Rhodacaroidea

Fam. Ologamasidae

<i>Gamasellus borealis</i> (Koch, 1879)	306
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	

Superfam. Veigaiioidea

Fam. Veigaiidae

<i>Veigaia kochi</i> (Trägårdh, 1901)	41, 219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Cyrtolaelaps kochi</i> (Trägårdh)	

Superfam. Zerconoidea

Fam. Zerconidae

<i>Zercon curiosus</i> Trägårdh, 1910	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Zercon forsslundi</i> Sellnick, 1958	56
<i>Zercon franzi</i> Willmann, 1943	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Zercon inornatus</i> Willmann, 1943	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Zercon perforatulus</i> Berlese, 1904	219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Zercon triangularis</i> C.L. Koch, 1836	318, 320
<i>Zercon zelawaensis</i> Sellnick, 1944	56
<i>Zercon</i> spp.	56

Cohort Uropodina

Superfam. Polyaspidioidea

Fam. Polyaspididae

<i>Uroseius acuminatus</i> (Koch, 1847) sensu Berlese 1888	319
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Superfam. Uropodoidea

Fam. Urodinychidae

<i>Dinychus perforatus</i> Kramer, 1882	219
Restricted to Jan Mayen (not present in Svalbard).	

Suborder Ixodida (Metastigmata)

Superfam. Ixodoidea

Fam. Ixodidae

- Ixodes (Ceraticodes) uriae* White, 1852 41, 124
Restricted to Jan Mayen (not present in Svalbard).
Ixodes putus (Pickard-Cambridge)

Subclass Araneae

Fam. Linyphiidae

- Collinsia* sp. 156
Erigone arctica palearctica Braendegaard, 1934 12, 43, 55, 56, 120, 137, 138, 146,
Erigone arctica White 160, 129, 163, 166, 167, 168, 169,
199, 271, 305, 306, 312, 314, 318
Erigone longipalpis Sundevall, 1830 319
Misidentification?
Possibly *Erigone arctica palearctica* Braendegaard, 1934
Erigone psychrophila (Thorell, 1871) 137, 129, 138, 146, 160, 163, 166, 167,
168, 199, 306, 312
Erigone tirolensis L. Koch, 1872 20, 41, 42, 43, 44, 160, 166, 167, 169,
305, 306, 312, 322
Erigone sp. 156, 163, 191, 193
Halorates holmgreni (Thorell, 1871) 41, 42, 43, 44, 120, 137, 146, 160, 163,
Collinsia holmgreni (Thorell) 166, 167, 168, 169, 305, 306, 312, 322
Coryphaeus holmgreni Thor
Coryphaeus mendicus L. Koch
Coryphaeolanus holmgreni Thor
Lophomma holmgreni (Thorell)
Halorates spetsbergensis (Thorell, 1871) 43, 56, 120, 137, 138, 146, 160, 161,
Collinsia spetsbergensis (Thorell) 129, 163, 166, 167, 168, 169, 199, 271,
Typhochraestus spetsbergensis (Thor) 305, 306, 312, 314, 318, 319
? *Typhochraestus borealis* Thor
Erigone spetsbergensis Thorell
Microerigone spetsbergensis (Thorell)
Halorates thulensis (Jackson, 1934) 146, 160, 312
Collinsia thulensis (Jackson)
Hilaira frigida Thor 41, 42, 44, 322
Restricted to Jan Mayen (not present in Svalbard).
Erigone cryophila (Koelbel)
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Erigone glacialis Thorell 129, 163, 166, 167, 168, 169, 199,
305, 306, 312, 314, 318, 319
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Lepthyphantes hyperboreus Strand
Micryphantes hyperboreus C.L. Koch
Lepthyphantes sobrius (Thorell, 1871) 43, 120, 129, 137, 138, 146, 160, 163,
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Mecynargus borealis (Jackson, 1930) 138, 146, 160, 191, 193, 194, 199
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<i>Meioneta nigripes</i> (Simon, 1884)	41, 42, 44, 146, 160, 161, 163, 167,
<i>Agyneta nigripes</i> (Simon)	169, 199, 306, 312, 314, 322
<i>Micryphantes nigripes</i> Simon	
<i>Oreonetides vaginatus</i> (Thorell, 1872)	312
<i>Walckenaeria karpinskii</i> (O.P. Cambridge, 1873)	146, 160
<i>Cornicularia karpinskii</i> (Cambridge)	
<i>Walckenaeria clavicornis</i>	199, 322
<i>Cornicularia clavicornis</i> Emerton	
<i>Tapinocyba insecta</i> (L. Koch, 1869)	169, 312
Possible human introduction.	
<i>Colobocyba insecta</i> L. Koch	
Fam. Gnaphosidae	
<i>Micaria constricta</i> Emerton, 1894	138, 146, 160, 166, 167, 169, 306, 314
<i>Micaria eltoni</i> Jackson	
Fam. Hahniidae	
<i>Hahnia helveola</i> Simon, 1875	138, 169, 312
Possible human introduction.	
Phylum Mandibulata	
Class Collembola	
Fam. Arrhopalitidae	
<i>Arrhopalites principalis</i> Stach, 1945	56, 112, 114, 116, 318, 326, 327
<i>Arrhopalites binoculatus</i> (Borner)	
Fam. Entomobryidae	
<i>Entomobrya subarctica</i> Stach, 1962	33, 112, 116, 286, 326, 327
Revision of species required (see ref. 116).	
<i>Entomobrya</i> sp.	56, 112
<i>Lepidocyrtus lignorum</i> Fabricus, 1793	58, 60, 69, 116, 112, 117, 211, 284,
<i>Lepidocyrtus lanuginosus</i> (Gmelin)	286, 306, 318, 319, 326, 342
Fam. Hypogastruridae	
<i>Bonetogastrura nivalis</i> (Martynova, 1973)	117
<i>Ceratophysella longispina</i> (Tullberg, 1876)	58, 60, 107, 112, 116, 117, 140, 141,
<i>Hypogastrura longispina</i> (Tullberg)	142, 143, 211, 263, 266, 278, 286,
<i>Hypogastrura hirsuta</i> Valpas	306, 318, 319, 326, 327
<i>Hypogastrura armata</i> (Nicolet)	
<i>Achorutes longispinus</i>	
<i>Ceratophysella succinea</i> (Gisin, 1949)	33, 112, 114, 116, 122, 123, 219, 284,
<i>Hypogastrura succinea</i> Gisin	326, 327
<i>Hypogastrura armata</i> (Nicolet)	
<i>Hypogastrura concolor</i> (Carpenter, 1900)	112, 116, 117
<i>Hypogastrura sensilis</i> (Folsom, 1919)	112, 116
<i>Hypogastrura tullbergi</i> (Schäffer, 1900)	13, 29, 31, 32, 33, 56, 58, 66, 68, 69,
<i>Achorutes dubius</i> Tullberg	70, 98, 112, 116, 117, 123, 150, 152,
<i>Achorutes tullergi</i> Schäffer	155, 156, 157, 271, 211, 241, 262,
<i>Hypogastrura spitsbergensis</i> Stach	263, 264, 266, 268, 286, 296, 306,
	284, 326, 327
<i>Hypogastrura viatica</i> (Tullberg, 1871)	20, 56, 58, 60, 109, 112, 114, 116,
<i>Achorutes viaticus</i> Tullberg	117, 123, 140, 141, 142, 143, 191, 193,

	194, 211, 212, 256, 263, 266, 278, 284, 286, 305, 306, 308, 318, 319, 326, 327, 332
<i>Hypogastrura</i> sp.	15, 112
<i>Podura hyperborea</i> Boheman, 1865	60, 112, 116, 327
<i>Hypogastrura</i> or <i>Ceratophysella</i> . Species unknown.	
<i>Willemia anophthalma</i> Börner, 1901	112, 114, 116, 122, 219, 263, 266, 318, 326, 327
<i>Willemia scandinavica</i> Stach, 1949	112, 114, 116, 117, 141, 143, 266, 284
<i>Willemia similis</i> Mills, 1934	114, 116, 117
<i>Xenylla humicola</i> (Fabricius, 1780)	20, 41, 42, 56, 58, 60, 110, 112, 114, 116, 117, 122, 141, 143, 211, 263, 266, 278, 284, 286, 305, 306, 318, 319, 326, 327, 332
<i>Xenylla</i> sp.	112, 256
Fam. Isotomidae	
<i>Agrenia bidenticulata</i> (Tullberg, 1876)	15, 20, 56, 58, 60, 112, 114, 116, 117, 208, 211, 212, 263, 266, 271, 278, 286, 306, 318, 319, 326, 327
<i>Isotoma bidenticulata</i> Tullberg	
<i>Archisotoma besselsi</i> (Packard, 1877)	58, 60, 112, 114, 116, 117, 122, 211, 217, 219, 266, 278, 305, 306, 327
? <i>Isotoma spitzbergensis</i> Lubbock	
? <i>Isotoma arctica</i> Stscherbakow	
<i>Isotoma janmayensis</i> (Wahlgren)	
<i>Archisotoma megalops</i> (Bagnall, 1939)	112, 114, 116, 127, 208, 209
<i>Archisotoma polaris</i> Fjellberg and Poinsot, 1975	13, 116, 117, 118
<i>Isotoma arctica</i> Stscherbakow	
<i>Archisotoma theae</i> Fjellberg, 1979	112, 114
Restricted to Jan Mayen (not present in Svalbard).	
<i>Folsomia alpha</i> Grow and Christiansen, 1976	33, 42, 69, 70, 112, 116, 117, 122, 141, 143, 219, 249, 286, 326, 327
<i>Isotomina gracilis</i> Stach	
<i>Folsomia sensibilis</i> Kseneman	
<i>Folsomia bisetosa</i> Gisin, 1953	41, 58, 60, 69, 112, 114, 116, 117, 122, 123, 141, 143, 219, 249, 263, 266, 271, 284, 306, 318, 319, 326, 327
<i>Folsomia fimetaria</i> (L.)	
<i>Folsomia gracilis</i> (Stach, 1962)	112, 114
Restricted to Jan Mayen (not present in Svalbard).	
<i>Folsomia regularis</i> Hammer, 1953	33, 58, 60, 112, 116, 117, 249, 271, 284, 286, 318, 319, 326, 327
<i>Isotoma binoculata</i> Wahlgren	
<i>Folsomia sexoculata</i> (Tullberg, 1871)	20, 58, 60, 114, 116, 122, 140, 141, 142, 143, 219, 249, 286, 305, 306, 318, 326, 327
<i>Folsomia stella</i> Grow and Christiansen, 1976	69, 114, 116
<i>Folsomia taimyrica</i> Martnova, 1973	56, 114, 116, 326
<i>Folsomia quadrioculata</i> (Tullberg, 1871)	16, 20, 29, 32, 37, 56, 58, 60, 68, 69, 109, 111, 112, 114, 116, 117, 123, 140, 141, 142, 143, 191, 193, 194, 211, 212, 217, 243, 249, 262, 266, 268, 271, 278, 284, 305, 306, 318, 319, 326, 327, 342
<i>Isotoma quadrioculata</i> Tullberg	
<i>Folsomia</i> sp.	112, 157

<i>Isotoma anglicana</i> Lubbock, 1862	15, 20, 41, 42, 56, 58, 60, 69, 70,
<i>Isotoma viridis</i> Bourlet	110, 112, 114, 116, 117, 122, 211,
<i>Isotoma palustris</i> (Gmelin)	212, 219, 263, 266, 278, 284, 286,
	305, 306, 318, 319, 326, 327, 332
<i>Isotoma multisetis</i> Carpenter and Phillips, 1922	20, 58, 60, 112, 116, 305, 327
Revision of species required (see ref. 116).	
<i>Isotoma neglecta</i> Schäffer, 1900	20, 33, 58, 60, 112, 114, 116, 117,
<i>Isotoma fennica</i> (Reuter)	263, 286, 318, 319, 327
<i>Isotoma violacea</i> Tullberg	
<i>Isotoma notabilis</i> Schäffer, 1896	112, 114, 116, 122, 219, 284
<i>Isotoma olivacea</i> Tullberg, 1871	58, 112, 114, 116, 263, 266, 306, 318
<i>Isotoma regularis</i> Hammer, 1957	112
<i>Isotoma binocularata</i> Wahlgren	
<i>Isotoma ruseki</i> Fjellberg, 1979	112, 116
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Isotoma tshernovi</i> Martynova, 1974	56, 69, 112, 116, 117, 326, 327
<i>Isotoma fennica</i> (Reuter)	
<i>Isotoma nanseni</i> Fjellberg	
<i>Isotoma olivacea</i> (Tullberg)	
<i>Isotoma</i> sp.	56, 112, 191, 193, 327
<i>Isotomiella minor</i> (Schäffer, 1896)	112, 114, 116, 122, 219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Pseudanurophorus binocularatus</i> Kseneman, 1934	112, 114, 116, 219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Pseudanurophorus inoculatus</i> Bödvarsson, 1957	56, 112, 114, 116, 117, 122, 326
<i>Pseudisotoma sensibilis</i> (Tullberg, 1876)	41, 112, 116
Restricted to Jan Mayen (not present in Svalbard).	
<i>Tetracanthella arctica</i> Cassagnau, 1959	20, 58, 60, 112, 114, 116, 123, 141,
<i>Tetracanthella wahlgreni</i> Linnaniemi: Thor	143, 271, 305, 318, 319, 327, 332
<i>Tetracanthella pilosa</i> Schött: Wahlgren	
<i>Tetracanthella coerulea</i> (Haller)	
<i>Vertagopus arcticus</i> Martynova, 1969	112, 117
<i>Vertagopus pseudocinereus</i> Fjellberg, 1975	112, 116
Probably a local introduction to the High Arctic; natural populations considered unlikely.	
Fam. Katiannidae	
<i>Sminthurinus aureus</i> (Lubbock, 1862)	20, 112, 318, 327
<i>Sminthurinus concolor</i> (Meinert, 1896)	20, 33, 41, 42, 58, 60, 69, 112, 114,
<i>Sminthurinus niger</i> (Lubbock)	116, 117, 122, 211, 219, 263, 286,
	305, 306, 284, 318, 326, 327
Fam. Neanuridae	
<i>Anurida granaria</i> (Nicolet, 1847)	58, 112, 116, 306, 318, 327
<i>Anurida maritima</i> (Guerin, 1836)	112, 117
<i>Anurida polaris</i> (Hammer, 1954)	56, 69, 70, 112, 114, 116, 117, 141,
<i>Anurida fridgida</i> Fjellberg	143, 263, 266, 284, 326
<i>Anurida thalassophila</i> (Bagnall, 1939)	116, 122, 219
Restricted to Jan Mayen (not present in Svalbard).	
<i>Anurida remyi</i> Denis	
<i>Anurida</i> sp.	112, 191
<i>Friesea quinquespinosa</i> Wahlgren, 1900	112, 116, 117, 284, 326, 327
<i>Friesea nauroisi</i> Cassagnau	

<i>Micranurida pygmaea</i> Börner, 1901	41, 56, 112, 114, 116, 117, 122, 219,
<i>Anurida pygmaea</i> (Börner)	263, 284, 326
Fam. Neelidae	
<i>Megalothorax minimus</i> (Willem, 1900)	112, 114, 116, 117, 122, 219, 263, 326
<i>Neelus (Megalothorax) minimus</i> Willem: Gisin	
Fam. Odontellidae	
<i>Xenyllodes armatus</i> Axelson, 1903	112, 116, 318, 327
Fam. Onychiuridae	
<i>Megaphorura arctica</i> (Tullberg, 1876)	12, 13, 20, 35, 41, 42, 57, 58, 60, 66,
<i>Aphorura arctica</i> Tullberg	69, 109, 112, 114, 116, 117, 122, 150,
<i>Lipura arctica</i> Tullberg	151, 152, 153, 155, 156, 157, 162,
<i>Onychiurus armatus</i> (Tullberg) var. <i>arcticus</i> Tullberg	193, 194, 211, 217, 219, 243, 263,
<i>Onychiurus arcticus</i> (Tullberg)	266, 281, 282, 284, 286, 296, 305,
<i>Protaphorura arctica</i> (Tullberg)	306, 307, 318, 319, 326, 327, 332,
	334, 340, 342, 344
<i>Mesaphorura jirii</i> Rusek, 1982	112, 114, 116
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Mesaphorura macrochaeta</i> Rusek, 1976	112, 114, 116, 117, 122, 219
<i>Tullbergia krausbaueri</i> Börner: Gisin	
<i>Mesaphorura tenuisensillata</i> Rusek, 1974	112, 114, 116
<i>Oligaphorura groenlandica</i> (Tullberg, 1876)	13, 56, 58, 60, 66, 69, 112, 114, 115,
<i>Onychiurus groenlandicus</i> (Tullberg)	116, 117, 122, 123, 140, 141, 143, 150,
<i>Lipura groenlandica</i> (Tullberg)	152, 156, 157, 193, 211, 217, 219,
	263, 266, 281, 282, 284, 306, 318,
	319, 326, 327
<i>Oligaphorura ursi</i> (Fjellberg, 1984)	114, 115, 116, 117
<i>Onychiurus ursi</i> (Fjellberg)	
<i>Onychiurus</i> sp.	112, 191
<i>Protaphorura duplopunctatus</i> (Strenzke, 1954)	60, 112, 114, 116, 117, 122, 219, 284
<i>Onychiurus duplopunctatus</i> (Strenzke)	319, 326, 327, 332
<i>Onychiurus debilis</i> Moniez: (Gisin)	
<i>Onychiurus neglectus</i> Schäffer	
<i>Aphorura neglecta</i> Schäffer: Wahlgren	
<i>Protaphorura macfadyeni</i> (Gisin, 1953)	41, 42, 112, 114, 116, 122, 219, 326,
<i>Aphorura armata</i> Tullberg: Wahlgren	332
<i>Onychiurus macfadyeni</i> (Gisin)	
<i>Onychiurus duodecimpunctatus</i>	
<i>Tullbergia arctica</i> Wahlgren, 1900	112, 114, 116, 122, 219, 326, 327
<i>Tullbergia simplex</i> Gisin, 1958	112, 114, 116, 117
<i>Tullbergia</i> sp.	112, 326
Fam. Sminthuridae	
<i>Sminthurides aquaticus</i> (Bourlet, 1843)	41, 42
Restricted to Jan Mayen (not present in Svalbard). Possibly a misidentification of <i>S. malmgreni</i> .	
<i>Sminthurides malmgreni</i> (Tullberg, 1876)	15, 20, 56, 58, 60, 112, 116, 117, 200,
<i>Sminthurus malmgreni</i> Tullberg	266, 278, 286, 305, 318, 319, 327
<i>Sphaeridia pumilis</i> (Krausbauer, 1898)	112, 116

Nomina dubia

<i>Cryptopygus thermophilus</i> (Axelson, 1900)	116, 318
Probably introduced or misidentification.	
<i>Isotomina thermophila</i> (Axelson)	
<i>Folsomia inoculata</i> Stach 1947	271
Identification uncertain. Unclear taxonomy of group.	
<i>Isotoma tigrina</i> (Nicolet, 1841)	42, 116
Probably wrongly determined. Unlikely to be present in Svalbard or on Jan Mayen.	
<i>Isotoma grisesiens</i> Schäffer	
<i>Isotoma grisescens</i> Schäffer	
<i>Mesaphorura krausbaueri</i> Börner (1901)	122, 219
Restricted to Jan Mayen (not present in Svalbard). However, reports considered dubious.	
<i>Tullbergia krausbaueri</i> Börner	
<i>Proisotoma schoetti</i> (Dalla Torre, 1895)	60, 116, 263, 327
<i>Isotoma literalis</i> Schott	
<i>Willowsia buski</i> (Lubbock, 1896)	116, 318, 327
<i>Sira flava</i> Ågren	

Class Insecta

Superorder Exopterygota

Order Ephemeroptera

Fam. Leptophlebiidae

<i>Leptophlebia vespertina</i> (L., 1758)	173
This is a dubious record. Unlikely that this species occurs so far north.	

Order Anoplura

Fam. Echinophthiriidae

<i>Antarctophthirus tricechi</i> (Boheman, 1865)	176
Parasite of Walrus (<i>Odobenus rosmarus</i> L.).	
<i>Echinophthirus horridus</i> (Olfers, 1816)	176
Parasite of Ringed Seal (<i>Phoca hispida</i> L.).	
<i>Echinophthirus groenlandicus</i> Becher, 1886	110
Restricted to Jan Mayen (not present in Svalbard). Parasite of Harp Seal (<i>Phoca groenlandica</i>).	

Order Mallophaga

Pay special note to the qualification in ref. 224. All are parasites of birds.

Suborder Amblycera

<i>Ancistrona vagelli</i> (Fabricius, 1787)	224
<i>Austromenopon brevifimbriatum</i> (Piaget, 1880)	224
<i>Austromenopon corporosum</i> (Kellogg and Kuwana, 1901)	224
<i>Austromenopon fuscofasciatum</i> (Piaget, 1880)	126, 224
<i>Menopon fuscofasciatum</i> Piaget	
<i>Austromenopon lutescens</i> (Burmeister, 1838)	110, 126, 224, 319
<i>Menopon lutescens</i> Burmeister	
<i>Austromenopon merguli</i> Timmermann, 1954	224
<i>Austromenopon nigropleurum</i> (Denny, 1842)	124, 126
Restricted to Jan Mayen (not present in Svalbard).	
<i>Austromenopon uriae</i> Timmermann, 1954	224

<i>Trinoton anserinum</i> (Fabricus, 1805)	126, 224, 308
Suborder Ischnocera	
<i>Anaticola anseris</i> (L., 1758)	126, 224
<i>Anaticola rubrumaculatus</i> (Rudow, 1869)	224
<i>Brueelia brachythorax</i> (Giebel, 1874)	110
Restricted to Jan Mayen (not present in Svalbard).	
<i>Nirmus brachythorax</i> Giebel	
<i>Carduceps meinerzhageni</i> Timmermann, 1954	124, 224, 319
<i>Degeeriella zonaria</i> (Nitzsch, 1866)	
<i>Carduceps zonarius</i> (Nitzsch, 1866)	126, 224
<i>Carduceps complexivus</i> (Kellogg and Chapman)	
<i>Cummingsiella aetherea klatti</i> (Timmermann, 1954)	224
<i>Cummingsiella fissus</i> (Burmeister, 1838)	124
Restricted to Jan Mayen (not present in Svalbard).	
<i>Quadriiceps fissus</i> (Burmeister)	
<i>Cummingsiella hiaticulae</i> (Fabricus, 1780)	124, 224
<i>Cummingsiella klatti</i> (Timmermann, 1954)	124
Restricted to Jan Mayen (not present in Svalbard).	
<i>Mjøberginirmus klatti</i> (Timmermann)	
<i>Cummingsiella normifer</i> (Grube, 1851)	224
<i>Cummingsiella obliqua aquilonis</i> Timmermann, 1974	224
<i>Cummingsiella ornatus</i> (Grube, 1851)	224
<i>Cummingsiella phalaropi</i> (Denny, 1842)	224
<i>Cummingsiella strepsilaris</i> (Denny, 1842)	224
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Gonoides lagopi</i> (L., 1758)	224
<i>Lagopoecus affinis</i> (Children, 1836)	126, 224
<i>Nirmus quadrulatus</i> Nitzsch	
<i>Lagopoecus cameratus</i> (Nitzsch and Lyonet)	
<i>Luniceps neiris</i> Timmermann, 1954	126, 224, 319
? <i>Degeeriella actophilus</i> (Kellogg and Chapman, 1899)	
<i>Luniceps actophilus</i>	
<i>Luniceps phaeopi</i> (Denny, 1842)	126, 224
<i>Numenius phaeopus</i>	
<i>Ornithobius hexophtalmus</i> (Nitzsch, 1871)	126, 224
<i>Perineus nigrolimbatus</i> (Giebel, 1874)	126, 124, 224, 319
<i>Esthiopterum nigrolimatum</i> (Giebel)	
<i>Saemundssonina calva</i> (Kellogg, 1896)	124, 224
<i>Saemundssonina cephalus</i> (Denny, 1842)	126, 224
<i>Saemundssonina grylle</i> (Fabricus, 1780)	126, 224
<i>Saemundssonina inexpectata</i> Timmermann, 1951	224
<i>Saemundssonina lari</i> (Fabricus, 1780)	110, 126, 124, 224
<i>Docophorus lari</i> Denny	
<i>Docophorus gonothorax</i> (Geibel)	
<i>Philopteris</i> sp.	
<i>Saemundssonina lockleyi</i> Clay, 1949	126, 224
? <i>Saemundssonina sterna</i> (L.)	
<i>Saemundssonina merguli</i> (Denny, 1842)	126, 124, 224
<i>Saemundssonina occidentalis</i> (Kellogg, 1896)	124, 224
<i>Saemundssonina scolopacisphaeopodis</i> (Schrank, 1803)	126, 224
<i>Saemundssonina tringae tringae</i> (Fabricus, 1780)	124, 224, 319

<i>Philopterus fusiformis</i> (Denny)	
<i>Saemundssonina tringae variabilis</i> (Denny, 1842)	224
<i>Saemundssonina tringae lobata</i> Martens, 1974	126, 224
Species below reported in ref. 126, but identification considered unreliable or of limited use by ref. 224.	
<i>Actornithophilus bicolor</i> (Piaget)	
<i>Actornithophilus umbris</i> (Burmeister sensu Timmermann)	
<i>Anatoecus mollissimae</i> Keler	
<i>Anatoecus brevimaculatus</i> (Giebel)	
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Menacanthus</i> spp.	
<i>Menacanthus mutabilis</i> Blagoveshtchensky	
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Perineus</i> sp.	
<i>Philopterus hamatus</i> Packard	
<i>Philopterus</i> spp.	
<i>Quadriceps conformis</i> (Blagoveshtchensky)	
Restricted to Bjørnøya.	
<i>Quadriceps hiaticulae</i> (Fabricius)	
<i>Quadriceps normifer</i> Timmermann	
<i>Quadriceps phalaropi</i> (Denny)	
<i>Quadriceps strepsilaris</i> (Denny)	
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Quadriceps</i> sp.	
<i>Ricinus</i> spp.	
<i>Saemundssonina brevappendiculata</i> (Piaget)	
<i>Saemundssonina gonothorax</i> (Giebel)	
<i>Saemundssonina tridactyla</i> Timmermann	
<i>Saemundssonina</i> spp.	
<i>Trinoton querguedulae</i> (L.)	

Order Hemiptera

Fam. Aphididae

Subfam. Aphidinae

<i>Acyrtosiphon calvulus</i> Ossiannilsson, 1958	139, 245
<i>Acyrtosiphon svalbardicum</i> Heikinheimo, 1968	139, 150, 156, 294, 295, 296, 297, 298, 299, 300, 301, 334, 344
<i>Nasonovia (Kakimia) saxifragae</i> (Doncaster and Stroyan, 1952)	91
<i>Kakimia (Neokakimia) saxifragae</i>	
Restricted to Jan Mayen (not present in Svalbard).	

Subfam. Lachninae

<i>Cinara abieticola</i> (Cholodkovsky, 1899)	105, 139
Probably wind migrant. Not breeding in Svalbard.	
? <i>Cinara piceae</i> (Panzer 1801)	
? <i>Dilachnus piceae</i> Panzer (nec Walker)	

Subfam. Eriosomatinae

<i>Pemphigus groenlandicus</i> (Rübsaamen, 1898)	139, 145
Probably wind migrant. Unlikely to be resident in Svalbard.	

The following have been reported from Spitsbergen but identities are unclear. See ref. 139 for a full discussion.

Subfam. Aphidinae

- Aphis borealis* 106, 139
 ? *Cinara (Todolachnus) abieticola* (Cholodkovsky, 1899)
 Unconfirmed report. Actual identity unknown but probably wind migrant. Unlikely to be resident in Svalbard.
Aphis sp. 139, 306, 318
 Unconfirmed report, probably wind migrant. Unlikely to be resident in Svalbard.
Cavariella salicis (Monell, 1879) (*Siphocoryne*) 139, 318
Siphocoryne salicis
 ? *Cavariella* sp.
 Unconfirmed report, probably wind migrant. Unlikely to be resident in Svalbard.

Subfam. Eriosomatinae

- Pemphigus* sp. 139, 318
 Unconfirmed report, probably wind migrant. Unlikely to be resident in Svalbard.

Fam. Endopterygota

Order Coleoptera

Fam. Anthicidae

- Anthicus flavipes* (Panzer, 1797) 179

Fam. Byrrhidae

- Simplocaria metallica* (Sturm, 1807) 113, 128, 261, 293, 303, 305

Fam. Dytiscidae

- Hydroporus striola* Gyllenhal, 1827 196
 One imago was recovered from the stomach of an Arctic Char (*Salvelinus alpinus* L.) from the lake Ellasjøen, Bjørnøya.

Fam. Carabidae

- Amara quenseli* (Schönherr, 1806) 17, 113, 302, 303, 305

Fam. Chrysomelidae

- ? *Phytodecta* 104, 306
 Single specimen collected near the hot springs in Bockfjorden. Specimen lost and identity unclear.

Fam. Cryptophagidae

- Atomaria atricapilla* Stephens, 1830 113, 179
Atomaria lewisi Reitter, 1877 113, 178,

Fam. Curculionidae

- Orchestris saliceti* Fabricus 76, 104, 108, 198, 306, 319
Tachyerges (Orchestris) saliceti Fabricus
Rhynchaenus flagellum (Ericson, 1902) 113, 128, 146, 178, 303, 305, 318
 ? *Rhynchaenus foliorum* (Müller)

Fam. Lathridiidae

- Lathrididius minutus* (L., 1767) 20, 105, 205
Enicmus minutus L.

Fam. Silvanidae

Oryzaephilus surinamensis (L., 1758) 113, 178, 281

Associated with human stored food transported to Svalbard.

Oryzaephilus mercator Fauvel

Fam. Staphylinidae

Atheta graminicola (Gravenhorst, 1806) 12, 56, 76, 104, 128, 146, 156, 157,

? *Atheta prope frigida* Sahlberg, 1806 198, 306

Atheta sp. 306

Boreophilia subplana (J. Sahlberg, 1880) 76, 113, 128, 146, 198, 319

Atheta subplana J. Sahlberg

Eucnecosum brachypterum (Gravenhorst, 1802) 20, 113, 198, 205

Arpedium brachypterum (Gravenhorst)

Micralymma marinum (Strøm, 1783) 20, 76, 113, 146, 198, 205, 319

Olophrum boreale (Paykull, 1792) 20, 41, 113, 205

Omalium caesum Gravenhorst, 1806 113

Omalium septentrioneis Thompson, 1857 20, 205

In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.

Philonthus sp. 113, 292

Dead specimen probably brought ashore in a ship's ballast.

Order Diptera

Suborder Nematocera

Fam. Chironomidae

The Chironomidae are taken from, and follow the nomenclature of, Lindegaard (1997 [ref. 210]), but include species from Hodkinson et al. (1996 [ref. 154]). Many of the species from Svalbard belong to families that have not been recently revised and species only known from Svalbard are probably synonyms. The list presented here is necessarily a conservative estimate of the Svalbard chironomid fauna; a complete taxonomic revision of the greater part of the Svalbard material is required (K. Aagaard, pers. comm.). The following references consider the chironomid fauna: 11, 20, 40, 47, 59, 96, 97, 98, 99, 101, 102, 120, 147, 154, 173, 185, 186, 187, 188, 191, 196, 203, 206, 210, 216, 220, 240, 252, 266, 270, 275, 285, 304, 305, 306, 309, 310 and 319.

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Arctopelopia melanosoma (Goetghebuer, 1933) 210

Procladius crassinervis (Zetterstedt, 1838) 210

Subfam. Diamesiinae

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Diamesa arctica (Boheman, 1865) 154, 210

Diamesa bertrami Edwards, 1935 154, 210

Diamesa bohemani Goetghebuer, 1932 210

Diamesa hyperborea Holmgren, 1869 210

Diamesa lindrothi Goetghebuer, 1931 154, 210

Diamesa lundstroemi Kieffer, 1911 210

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<i>Limnophyes pumilio</i> (Holmgren, 1869)	210
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<i>Pseudosmittia oxoniana</i> (Edwards, 1922)	210
<i>Smittia brevipennis</i> (Boheman, 1856)	210
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<i>Coelosia tenella</i> (Zetterstedt, 1852)	59, 96, 98, 146, 319, 323
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<i>Exechia frigida</i> (Boheman, 1865)	20, 59, 96, 97, 101, 121, 219, 305,
<i>Mycetophila frigida</i> Boheman	306, 319, 323
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Restricted to Jan Mayen (not present in Svalbard).	
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Restricted to Jan Mayen (not present in Svalbard).	
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<i>Camptochaeta delicata</i> (Frey, 1948)	20, 96, 98, 99, 101, 305, 306, 319,
<i>Neosciara delicata</i> Lengersdorf	323
<i>Sciara pallidiventris</i> Holmgren	

<i>Corynoptera röderi</i> Lengersdorf, 1931	20, 101
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
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<i>Lycoriella (Hemineurina) globiceps</i> (Becher, 1886)	97, 110
Restricted to Jan Mayen (not present in Svalbard).	
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<i>Lycoriella (Hemineurina) modesta</i> (Staeger, 1840)	20, 96, 97, 99, 101, 306, 318, 323
<i>Sciara arctica</i> Holmgren	
<i>Lycoriella arctica</i> (Holmgren) Frey	
<i>Sciara ecalcarata</i> Holmgren	
<i>Sciara frigida</i> Holmgren	
<i>Sciara holmgreni</i> Rübsaamen (<i>frigida</i> Holmgren)	
<i>Sciara groenlandica</i> Rübsaamen	
<i>Lycoriella (Hemineurina) vitticollis</i> (Holmgren, 1883)	318, 323
<i>Sciara glacialis</i> Rübsaamen	
<i>Sciara permutata</i> (Lundbeck)	
<i>Lycoriella (Lycoriella) parva</i> (Holmgren, 1869)	323
<i>Sciara parva</i> Holmgren	
<i>Schwenckfeldina tridentata</i> (Rübsaamen, 1898)	20, 96, 97, 101, 102, 305, 306, 318,
<i>Rhynchosciara laguncularis</i> Lengersdorf	319, 323
<i>Sciara tridentata</i> Rübsaamen	
<i>Sciara</i> sp.	20, 59, 101, 219, 306
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<i>Prosimulium ursinum</i> (Edwards, 1935)	20, 101, 100
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Simulium ursinum</i> Edwards	
Fam. Trichoceridae	
<i>Trichocera borealis</i> Lackschewitz, 1934	73, 74, 296, 310
<i>Trichocera hiemalis</i> (De Geer, 1760)	319
<i>Trichocera lutea</i> (Becher, 1886)	20, 73, 74, 96, 97, 98, 101, 110, 219,
<i>Metatrachocera lutea</i> (Becher)	305, 306, 319
<i>Trichocera maculipennis</i> Meigen, 1818	20, 97, 101, 110, 219
<i>Trichocera parva</i> Meigen, 1804	319
<i>Trichocera saltator</i> (Harris, 1776)	96, 98, 102
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Fam. Anthomyiidae	
<i>Fucellia focorum</i> (Fallén, 1819)	146, 321
<i>Scatomyza hyperborea</i> Boheman	
<i>Hylemyia frontata</i> Zetterstedt	185, 187, 319
Nomina dubia.	

<i>Zaphne frontata</i> (Zetterstedt, 1838)	42, 65, 120, 305, 306, 308, 319, 321
<i>Acroptena frontata</i> Zetterstedt	
<i>Aricia frontata</i> Zetterstedt	
<i>Scatomyza obscura</i> Boheman	
<i>Hylemyia frontata</i> Zetterstedt	
Fam. Calliphoridae	
<i>Boreellus atriceps</i> (Zetterstedt, 1845)	306
<i>Phormia atriceps</i> Zetterstedt	
<i>Calliphora vicina</i> Robineau-Desvoidy, 1830	306
One record. collected from onboard a ship. Probable human introduction without a resident Svalbard population.	
<i>Calliphora erythrocephala</i> (Meigen, 1826)	
<i>Cynomya mortuorum</i> (L., 1761)	20, 41, 42, 101, 219
Restricted to Bjørnøya and Jan Mayen.	
<i>Protophormia terrae-novae</i> (Robineau-Desvoidy, 1830)	105, 146, 158, 239, 306
Generally observed in the vicinity of human dwellings.	
<i>Phormia terrae-novae</i> Robineau-Desvoidy	
<i>Phormia groenlandica</i> (Zetterstedt)	
Fam. Coelopidae	
<i>Coelopa eximia</i> Stenhammer 1854	319
<i>Fucomyia frigida</i> Fallén, 1805	59, 65, 105, 125, 146, 306, 319
<i>Coelopa frigida</i> (Fabricus)	
Fam. Drosophilidae	
<i>Drosophila funebris</i> (Fabricus, 1787)	125, 281
Fam. Empididae	
<i>Rhamphomyia caudata</i> Zetterstedt, 1838	65, 125, 146, 185, 187, 305, 306, 319
Fam. Fannidae	
<i>Fannia incisurata</i> (Zetterstedt 1838)	42
Restricted to Jan Mayen (not present in Svalbard).	
Fam. Heleomyzidae	
<i>Heleomyza borealis</i> (Boheman, 1865)	156, 232, 319, 341
<i>Heleomyza modesta</i> (Meigen, 1838)	20, 101, 105, 185, 187
<i>Leria modesta</i> Meigen (det. Collin)	
? <i>Leria geniculata</i> Zetterstedt	
<i>Heleomyza serrata</i> (L., 1758)	125
Collected from onboard a ship in Longyearbyen, 1925. Probable introduction with this ship. Not recorded since.	
<i>Leria geniculata</i> Zetterstedt, 1847	120, 319
Nomina dubia.	
<i>Neoleria prominens</i> (Becker, 1897)	125, 267
<i>Neoleria septentrionalis</i> (Collin, 1923)	20, 59, 65, 101, 319
<i>Leria septentrionalis</i> Collin (det. Collin)	
Fam. Muscidae	
<i>Limnophora</i> sp.	41
<i>Spilogona brunneifrons</i> Ringdahl, 1931	313, 321

<i>Spilogona denudata</i> (Holmgren, 1869)	319, 321
<i>Aricia denudata</i> Holmgren	
<i>Aricia ranunculi</i> Holmgren	
<i>Spilogona dorsata</i> (Zetterstedt, 1845)	20, 65, 101, 102, 219, 305, 306, 319, 321
<i>Aricia conspurcata</i> Holmgren	
<i>Aricia dorsata</i> Zetterstedt	
<i>Aricia fuliginosa</i> Holmgren	
<i>Aricia hyperborea</i> Boheman	
<i>Aricia illota</i> Holmgren	
<i>Aricia labiosa</i> Boheman	
<i>Limnophora hyperborea</i> Boheman	
<i>Spilogona megastoma</i> (Boheman, 1866)	59, 65, 305, 319, 321
<i>Aricia ludibunda</i> Holmgren	
<i>Aricia pauxilla</i> Holmgren	
<i>Limnophora arctica</i> Becher	
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<i>Spilogona quinquelineata</i> (Zetterstedt, 1838)	313, 321
<i>Spilogona triangulifera</i> (Zetterstedt, 1838)	59, 120, 185, 187, 319, 321
<i>Aricia triangulifera</i> Zetterstedt	
<i>Aricia vitticollis</i> Zetterstedt	
<i>Limnophora triangulifera</i> Zetterstedt,	
<i>Spilogona varsviensis</i> Schnabl in Schnabl and Dziedzicki, 1911	313, 321
Fam. Piophilidae	
<i>Parapiophila vulgaris</i> (Fallén, 1820)	20, 101, 213
<i>Piophila vulgaris</i> Fallén	
<i>Piophila</i> sp. cf. <i>vulgaris</i> Fallén	
Fam. Scatophagidae	
<i>Allomyella frigida</i> (Holmgren, 1883)	20, 101
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Microprosopa frigida</i> (Holmgren)	
<i>Scatophaga furcata</i> (Say, 1823)	59, 125, 146, 319
<i>Scatophaga squalida</i> Meigen	
<i>Scatophaga litorea</i> (Fallén, 1819)	20, 59, 101, 125, 146, 219
<i>Scatophaga nigripes</i> (Holmgren)	
<i>Scatophaga varipes</i> (Holmgren, 1883)	65, 219, 305, 306
<i>Scatophaga</i> sp.	41
Fam. Sphaeroceridae	
<i>Copromyza (Borborillus) uncinatus</i> (Duda 1923)	125, 313
<i>Norrbomia fumipennis</i> (Stenhammar 1855)	125, 319
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Fam. Syrphidae	
<i>Parasyrphus tarsatus</i> (Zetterstedt, 1838)	65, 105, 120, 146, 156, 174, 177, 185, 187, 305, 306, 319
<i>Scaeva dryadis</i> Holmgren	
<i>Syrphus tarsatus</i> Zetterstedt (<i>dryadis</i> Holmgren)	
<i>Syrphus tarsatus</i> Zetterstedt	
<i>Syrphus ribesii</i> (L., 1758)	105, 106, 281, 282
Probably not a resident species.	
<i>Syrphus torvus</i> Osten-Sacken, 1875	265

Fam. Tachinidae

Tachina glacialis Boheman 319

Order Hymenoptera

Suborder Symphyta

Fam. Tenthredinidae

Amauronematus hyperboreus (Thomson, 1875) 259, 319

Amauronematus alberich Benson, 1934 18, 20

Restricted to Bjørnøya and Jan Mayen.

Amauronematus villosus (Thomson, 1862) 18, 20, 231, 305, 319

Nematus villosus Thomson

Amauronematus sp. 156

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Pontopristia amentorum (Förster, 1854) 331

Pontopristia spp. 156

Pristiphora frigida (Boheman, 1865) 18, 20, 59, 128, 146, 259, 305, 306,

Pristiphora adelungi Kenow 319, 231

Nematus frigidus Boheman

Pristiphora stavdingeri (Ruthe, 1859) 59

Pristiphora asperlatus Benson

Suborder Apocrita

Fam. Braconidae

Biosteres sp. 20, 255

In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.

Ichneutes hyperboreus Holmgren, 1869 305, 306, 319, 333

Unclear validity.

Fam. Ceraphrontidae

Conostigmus spetsbergensis (Holmgren, 1869) 319

Ceraphron spetsbergensis Holmgren

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Fam. Ichneumonidae

Subfam. Cryptinae

Aclastus borealis (Boheman, 1866) 128, 146, 319, 331

Hemiteles septentrionalis Holmgren

Aclastus gracilis (Thomson, 1884) 20, 255

In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.

? *Aclastus gracilis minutus* Bridgman, 1886

Aptesis erratica (Holmgren, 1969) 20, 255, 319

In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.

Microcryptus erraticus Holmgren

Phygadeuon erraticus Holmgren

Atractodes bicolor Gravenhorst, 1829

var. *arcticus* Holmgren, 1872 305, 306, 319, 331, 333

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Subfam. Orthocentrinae	
<i>Orthocentrus nigricornis</i> Boheman, 1866	59, 128, 318, 319, 331
Type species uninterpreted.	
<i>Stenomacrus nigricornis</i> (Boheman)	
<i>Plectiscidea hyperborea</i> (Holmgren, 1869)	146, 319, 331
<i>Plectiscus hyperboreus</i> Holmgren	
<i>Plectiscidea</i> sp.	146
<i>Plectiscus</i> sp.	219
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Restricted to Jan Mayen (not present in Svalbard).	
<i>Stenomacrus cubiceps</i> Thor	
<i>Stenomacrus intermedius</i> Holmgren, 1858	41, 42
Restricted to Jan Mayen (not present in Svalbard).	
<i>Stenomacrus pedestris</i> (Holmgren, 1869)	20, 128, 146, 305, 318, 319, 331, 333,
<i>Orthocentrus pedestris</i> Holmgren	255
<i>Stenomacrus validicornis</i> (Boheman, 1866)	319, 331
<i>Orthocentrus validicornis</i> Boheman	
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Restricted to Jan Mayen (not present in Svalbard).	
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Restricted to Jan Mayen (not present in Svalbard).	
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<i>Hofmannospila pseudospretella</i> (Stainton, 1849)	175, 204, 281
Possible human introduction (see ref. 214).	

Fam. Yponomeutidae	
<i>Plutella xylostella</i> (L., 1758)	20, 41, 104, 110, 175, 204, 205, 214,
<i>Plutella cruciferarum</i> var. <i>nivella</i> ?	253, 281, 282, 287, 306, 319
<i>Plutella maculipennis</i> (Curtis)	
<i>Plutella polaris</i> (Zeller)	

Fam. Nymphalidae	
<i>Nymphalis antiopa</i> (L., 1758)	282
<i>Vanessa cardui</i> (L., 1758)	204, 214, 281, 282

Fam. Papilionidae	
<i>Parnassius apollo</i> (L., 1758)	72
Unable to locate source reference. Dubious record.	

Fam. Pieridae	
<i>Pieris napi</i> (L., 1758)	175, 204, 281
Possible human introduction (see ref. 214).	
<i>Artogeia napi</i> (L.)	

Fam. Pyralidae	
<i>Pempeliella dilutella</i> (Denis and Schiffermüller 1775)	175, 204
<i>Pempelia dilutella</i> Hubner 1796	
<i>Pempeliella subornatella</i> Duponchel	
<i>Pyla fusca</i> Haworth, 1811	1, 204

Order Siphonaptera

Fam. Ceratophyllidae	
<i>Ceratophyllus vagabundus vagabundus</i> (Boheman, 1866)	75, 105, 176, 223, 319
<i>Pulex vagabunda</i> Boheman	
<i>Ceratophyllus digitalis</i> (Wahlgren)	
Parasite of geese and gulls.	
<i>Mioctenopsylla arctica arctica</i> Rothschild, 1922	71, 128, 176, 223
<i>Mioctenopsylla arctica</i> Rothschild	
Parasite of Kittywakes (<i>Rissa tridactyla</i>).	

Order Trichoptera

Fam. Limnephilidae	
<i>Apatania zonella</i> Zetterstedt, 1840	20, 82, 173, 195, 196, 205, 279, 281,
<i>Apatania arctica</i> (Boheman)	305, 306, 319, 324, 325
<i>Apatelia zonella</i> Zetterstedt	
<i>Goniataulius arcticus</i> Boheman. Recorded as “Neuroptera” in ref. 318.	

Phylum Crustacea

Class Branchiopoda

Order Notostraca

<i>Lepidurus arcticus</i> (Pallas, 1793)	19, 20, 130, 171, 173, 188, 195, 196, 305, 318, 319
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Order Cladocera

<i>Acroperus harpae</i> (Baird, 1835)	19, 20, 165, 170
Restricted to Bjørnøya and Jan Mayen.	

<i>Alona guttata</i> Sars, 1862	165, 173
<i>Bosmina longirostris</i> Müller, 1785	
<i>Chydorus sphaericus</i> (Müller, 1785)	19, 20, 130, 165, 170, 171, 173, 227, 305, 316, 318, 319
<i>Daphnia pulex</i> Leydig, 1860	19, 20, 64, 92, 144, 149, 148, 165, 170, 191, 225, 227, 305, 316, 319, 317, 318, 337, 338, 339
<i>D. pulex</i> is a species complex with complicated phylogenetic relationships; see ref. 148 for an overview (also refs. 149, 337–339).	
<i>Daphnia longispina</i>	19, 165, 170, 195, 196, 305, 316
<i>Daphnia middendorffiana</i>	130, 149, 171, 173, 202, 218
<i>Daphnia pulex</i>	338
<i>Daphnia tenebrosa</i>	7, 9, 149
New genetic studies suggest that the above four <i>Daphnia</i> species may be clonal morphs.	
<i>Eubosmina longispina</i> (Müller, 1785)	173, 196
<i>Bosmina longispina</i> Müller	
<i>Bosmina obtusirostris</i> Sars	
<i>Macrothrix hirsuticornis</i> Norman and Brady, 1867	130, 165, 170, 171, 173, 226, 275, 276, 305, 311, 319
<i>Macrothrix hirsuticornis arctica</i> (Sars, 1890)	20, 19, 227, 318, 319
<i>Macrothrix arctica</i> Sars	
<i>Macrothrix</i> sp.	41
Order Ctenopoda	
<i>Sida crystallina</i> (Müller, 1776)	19, 20, 173
Class Copepoda	
Order Calanoida	
<i>Eurytemora raboti</i> Richard, 1897	9, 130, 171, 305, 318, 319
<i>Limnocalanus macrurus</i> Sars, 1863	173, 311
Order Cyclopoida	
<i>Acanthocyclops gigas</i> (Claus, 1857)	19, 20, 197, 319, 305
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Megacyclops gigas</i> (Claus)	
<i>Cyclops gigas</i> Claus	
<i>Cyclops abyssorum</i> Sars, 1863	9, 19, 20, 103, 130, 173, 195, 197, 305, 318, 319
<i>Cyclops strenuus</i> Fischer	
<i>Cyclops strenuus medianus</i>	
<i>Cyclops vicinus</i> Ulianine, 1875	19, 20, 103, 197, 305, 319, 317
<i>Diacyclops crassicaudis</i> (Sars, 1863)	130, 171, 173, 197, 311, 318
<i>Cyclops crassicaudis</i> Sars	
Order Harpacticoida	
<i>Harpacticus uniremis</i> Krøyer, 1845	311
<i>Maraenobiotus brucei</i> (Richard, 1898)	305, 319
<i>Tachidius discipes</i> Giesbrecht, 1882	305, 315, 318
<i>Tachidius brevicornis</i> Lilljeborg	
? <i>Tachidius spitsbergensis</i> Olofsson	

Order Siphonostomatoida	
<i>Salmincola edwardsii</i> Olsson, 1869	184, 277
Parasite of Arctic Char (<i>Salvelinus alpinus</i> L.).	
Class Malacostraca	
Order Amphipoda	
<i>Gammaracanthus loricatus</i> (Sars, 1896)	135
From stomach of an Arctic Char (<i>Salvelinus alpinus</i> L.).	
Order Mysidacea	
<i>Mysis relicta</i> Loven, 1861	305
<i>Mysis oculata</i> (Fabricus) var. <i>relicta</i>	
Class Ostracoda	
Order Podocopida	
<i>Candona candida</i> Müller, 1776	20, 319
In Svalbard restricted to Bjørnøya. Not present on Jan Mayen.	
<i>Candona</i> sp.	19
? <i>Candona candida</i> Müller	
<i>Cyclocypris ovum</i> (Jurine, 1820)	319
<i>Cytherissa lacustris</i> (Sars, 1863)	311
<i>Eucandona rectangulata</i> (Alm, 1914)	136, 305, 311, 319, 318
<i>Candona rectangulata</i> Alm	
<i>Eucypris arctica</i> Olofsson, 1918	305, 319
<i>Eucypris glacialis</i> (Sars, 1890)	19, 20, 136, 319, 305
<i>Prionocypris glacialis</i> (Sars)	
<i>Heterocypris fretensis</i> (Brady and Robertson, 1870)	136
<i>Limnocythere inopinata</i> (Baird, 1843)	136
<i>Tonnacypris lutaria</i> (Koch, 1838)	136

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Chapter 4. The bird and mammal fauna of Svalbard

Hallvard Strøm & Georg Bangjord



A checklist of birds and mammals recorded in Svalbard (the area within 74°–81° N and 10°–35° E) has been compiled, based on records stored in the Fauna Register of the Norwegian Polar Institute and in the Svalbard Birds Rarities Committee data base. Scientific and English species names are presented along with abbreviations describing each species' current occurrence rating in Svalbard. For the birds a code indicating the status of the record is also included. The checklist comprises 202 species of birds (17 orders and 43 families) and 31 species of mammals (five orders and 15 families). Twenty-eight bird species are regarded as abundant or common breeders, and 13 are uncommon, irregular or probable breeders. An additional 12 species have been recorded as having bred in Svalbard. The remaining 149 species recorded are occasional or rare vagrants. Of the mammals, eight species are regarded as common breeders, whereas 16 species are occasional or rare vagrants. A further six species and one subspecies were introduced and have subsequently gone extinct, and one has died out through overexploitation.

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Records of birds and mammals in Svalbard have been collected and published since the archipelago was discovered in 1596. However, scientific descriptions of the birds and mammals began considerably later, in the middle of the 19th century. Løvenskiold (1964) was the first author to publish a checklist for birds in Svalbard. He summarized all records for the period 1596 to 1964 based on an extensive review of both published and unpublished literature, and his own fieldwork during the years 1948–1969. Løvenskiold (1964) listed 93 bird species as being recorded in Svalbard. Twenty-five years later Norderhaug (1989) summarized all records for the period 1964–1983 and listed 65 new bird species for the archipelago. An additional five species were reported for the period 1983–1988 by Mehlum (1989). Thus, by the end of the 1980s the list of avian species recorded in Svalbard totalled 163 species. Since Mehlum (1989), the Svalbard bird list has not

been updated. No previous checklists have been published for mammals in Svalbard, beyond the species list published by Mehlum (1989).

The updates presented here are based on records stored in the Fauna Register of the Norwegian Polar Institute (NPI). In 1982, the Fauna Register at NPI was established to cater to the growing number of records of birds and mammals reported to the institute (Mehlum 1983). Since then both published records of birds and mammals and records reported directly to the institute have been entered into the data base. In addition to the NPI Fauna Register, a data base of information regarding records of birds in Svalbard is maintained by the Svalbard Bird Rarities Committee (SBRC). Records of birds that are rare or new to Svalbard are examined by the SBRC, and records of birds rare or new to Norway are additionally reviewed by the Norwegian Birds Rarities Committee (NBRC). No verification

Table 1. A summary of Aves species recorded in Svalbard.

Order	Family	Subfamily	No. of species	
Gaviiformes	Gaviidae		4	
Podicipediformes	Podicipedidae		2	
Procellariiformes	Diomedidae		1	
	Procellariidae		3	
	Hydrobatidae		2	
Pelecaniformes	Sulidae		1	
	Phalacrocoracidae		1	
Ciconiiformes	Ardeidae		2	
Anseriformes	Anatidae	Anserinae	13	
		Anatinae	27	
Accipitriformes	Accipitridae		3	
Falconiformes	Falconidae		5	
Galliformes	Tetraonidae		1	
Gruiformes	Rallidae		3	
	Gruidae		1	
Charadriiformes	Haematopodidae		1	
		Charadriidae	Charadriinae	5
			Vanellinae	1
			Calidridinae	13
			Gallinaginae	3
			Scolopacinae	1
			Tringinae	11
			Arenariinae	1
			Phalaropodinae	2
		Stercorariidae		4
		Laridae		13
		Sternidae		3
		Alcidae		7
	Columbiformes	Columbidae		4
Cuculiformes	Cuculidae	Cuculinae	1	
Strigiformes	Strigidae	Buboninae	1	
		Striginae	2	
Apodiformes	Apodidae	Apodinae	1	
Coraciiformes	Upupidae		1	
Passeriformes	Alaudidae		2	
	Hirundinidae		3	
	Motacillidae		7	
	Bombycillidae	Bombycillinae	1	
	Cinclidae		1	
	Prunellidae		1	
	Turdidae		12	
	Sylviidae		8	
	Muscicapidae		3	
	Paridae		1	
	Laniidae	Laniinae	1	
	Corvidae		4	
	Sturnidae		1	
	Passeridae		1	
	Fringillidae	Fringillinae	2	
	Carduelinae	5		
	Emberizinae	5		
Total			202	

Table 2. A summary of Aves species breeding, probably breeding or having bred in Svalbard. For explanation of categories see text and Table 6.

Scientific name (English common name)	Occurrence
<i>Fulmarus glacialis</i> (Northern Fulmar)	B ^{ab}
<i>Anser brachyrhynchus</i> (Pink-footed Goose)	B ^{ab}
<i>Branta leucopsis</i> (Barnacle Goose)	B ^{ab}
<i>Somateria mollissima</i> (Common Eider)	B ^{ab}
<i>Rissa tridactyla</i> (Black-legged Kittiwake)	B ^{ab}
<i>Uria aalge</i> (Common Guillemot)	B ^{ab} BJ, B ^{uncom} SP
<i>Uria lomvia</i> (Brünnich's Guillemot)	B ^{ab}
<i>Cepphus grylle</i> (Black Guillemot)	B ^{ab}
<i>Alle alle</i> (Little Auk)	B ^{ab}
<i>Fratercula arctica</i> (Atlantic Puffin)	B ^{ab}
<i>Gavia stellata</i> (Red-throated Diver)	B ^{com}
<i>Branta bernicla hrota</i> (Brent Goose)	B ^{com}
<i>Somateria spectabilis</i> (King Eider)	B ^{com}
<i>Clangula hyemalis</i> (Long-tailed Duck)	B ^{com}
<i>Lagopus mutus hyperboreus</i> (Rock Ptarmigan)	B ^{com}
<i>Calidris maritima</i> (Purple Sandpiper)	B ^{com}
<i>Phalaropus fulicarius</i> (Grey Phalarope)	B ^{com}
<i>Stercorarius parasiticus</i> (Arctic Skua)	B ^{com}
<i>Catharacta skua</i> (Great Skua)	B ^{com}
<i>Larus hyperboreus</i> (Glaucous Gull)	B ^{com}
<i>Sterna paradisaea</i> (Arctic Tern)	B ^{com}
<i>Plectrophenax nivalis</i> (Snow Bunting)	B ^{com}
<i>Charadrius hiaticula</i> (Ringed Plover)	B ^{disp}
<i>Calidris alba</i> (Sanderling)	B ^{disp}
<i>Calidris alpina</i> (Dunlin)	B ^{disp}
<i>Arenaria interpres</i> (Ruddy Turnstone)	B ^{disp}
<i>Larus marinus</i> (Great Black-backed Gull)	B ^{disp}
<i>Pagophila eburnea</i> (Ivory Gull)	B ^{disp}
<i>Pluvialis apricaria</i> (European Golden Plover)	B ^{uncom}
<i>Calidris canutus</i> (Red Knot)	B ^{uncom}
<i>Phalaropus lobatus</i> (Red-necked Phalarope)	B ^{uncom}
<i>Stercorarius longicaudus</i> (Long-tailed Skua)	B ^{uncom}
<i>Larus sabini</i> (Sabine's Gull)	B ^{uncom}
<i>Alca torda</i> (Razorbill)	B ^{uncom}
<i>Larus argentatus</i> (Herring Gull)	B ^{uncom} BJ, B ^{irr} SP
<i>Anas crecca</i> (Eurasian Teal)	B ^{irr} , N ^{freq}
<i>Anas acuta</i> (Northern Pintail)	B ^{irr} , N ^{freq}
<i>Oenanthe oenanthe leucorhoa</i> (Northern Wheatear)	B ^{irr} , N ^{freq}
<i>Gavia immer</i> (Great Northern Diver)	B ^{irr} BJ, B ^{prob} SP
<i>Anser anser</i> (Greylag Goose)	B ^{prob} , N ^{freq}
<i>Branta bernicla bernicla</i> (Brent Goose)	B ^{prob} , N ^{occ}
<i>Turdus iliacus</i> (Redwing)	B ^{rec2} , N ^{freq}
<i>Carduelis flammea</i> (Mealy Redpoll)	B ^{rec2} , N ^{freq}
<i>Gavia arctica</i> (Black-throated Diver)	B ^{rec1} , N ^{freq}
Bred with <i>Gavia immer</i> on Bjørnøya in 1958.	
<i>Larus ridibundus</i> (Black-headed Gull)	B ^{rec1} , N ^{freq}
<i>Motacilla alba</i> (White Wagtail)	B ^{rec1} , N ^{freq}
<i>Pluvialis fulva</i> (Pacific Golden Plover)	B ^{rec1} , N ^{r<5}
<i>Delichon urbica</i> (House Martin)	B ^{rec1?} , N ^{r<5}
<i>Anthus pratensis</i> (Meadow Pipit)	B ^{rec1?} , N ^{r<5}
<i>Melanitta nigra</i> (Black Scoter)	B ^{rec2} BJ, B ^{prob} SP
<i>Larus canus</i> (Mew Gull)	B ^{rec2} BJ, N ^{freq}
<i>Larus fuscus</i> (Lesser Black-backed Gull)	B ^{rec2} BJ, N ^{freq}
<i>Sturnus vulgaris</i> (Common Starling)	B ^{rec1} BJ, N ^{freq}

system exists for records of rare or new mammals in Svalbard. This implies that some of the records may not be valid. We have, however, only included records adjudged by us or other authors as valid. This means that the record is documented by a specimen, photographs or detailed written description, or it has been reported by experienced fieldworkers.

The checklist is limited to records from an area within 74°–81°N and 10°–35°E (see map on back cover). It currently contains 202 species of birds (17 orders and 43 families) and 31 species of mammals (five orders and 15 families) (Table 1). Twenty-eight bird species are regarded as abundant or common breeders, and 13 are uncommon, irregular or probable breeders. An additional 12 species have been recorded as having bred in Svalbard (Table 2). The remaining 149 species recorded are occasional or rare vagrants. Of the mammals (Table 3), eight species are regarded as common breeders, whereas 16 species are occasional or rare vagrants. A further six species and one subspecies were introduced and have subsequently gone extinct, and one has died out through overexploitation (Tables 4, 5).

It should be emphasized that the species lists will be out of date before this catalogue is printed. However, we hope that they will be useful to a variety of users and serve as the basis for future revisions. We would also like to stress that the list may not be complete due to the fact that not all observations are reported or published. We would

Table 3. A summary of Mammalia species recorded in Svalbard.

Order	Family	Subfamily	No. of species
Carnivora	Canidae		1
	Mustelidea	Mustelinae	1
	Odobenidae		1
	Phocidae		5
	Ursidae	Ursinae	1
Cetacea	Balaenidae		2
	Balaenopteridae		5
	Delphinidae		3
	Monodontidae		2
	Physeteridae		1
	Phocoenidae		1
Artiodactyla	Cervidae	Odocoileinae	1
	Bovidae	Caprinae	1
Rodentia	Muridae	Arvicolinae	2
		Murinae	2
Lagomorpha	Leporidae		2
Total			31

therefore appreciate corrections and additions from readers.

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I. Species checklist

The English names of bird species accord with *The British bird list* prepared by the British Ornithologists' Union Records Committee (1999); it can be found on the British Ornithologist's Union website at www.bou.org.uk. Species not included on that list are named in accordance with the *Handbook of the birds of the world* (del Hoyo et al. 1996). For mammals the names follow *The Atlas of European mammals* (Mitchell-Jones et al. 1999).

Taxonomic nomenclature and classification follow the *Handbook of the birds of Europe the Middle East and North Africa* (Cramp & Simmons 1977, 1980, 1983; Cramp 1985, 1988, 1992;

Table 4. A summary of Mammalia species breeding or having bred in Svalbard. Introduced species are not included. For explanation of categories see text and Table 6.

Scientific name (common English name)	Occurrence
<i>Alopex lagopus</i> (Arctic Fox)	B ^{com}
<i>Odobenus rosmarus</i> (Walrus)	N ^{freq}
<i>Erignathus barbatus</i> (Bearded Seal)	B ^{com}
<i>Phoca hispida</i> (Ringed Seal)	B ^{com}
<i>Phoca vitulina</i> (Harbour Seal)	B ^{disp}
<i>Ursus maritimus</i> (Polar Bear)	B ^{com}
<i>Balaena mysticetus</i> (Bowhead Whale)	N ^{occ}
<i>Delphinapterus leucas</i> (White Whale)	B ^{com}
<i>Rangifer tarandus platyrhynchus</i> (Svalbard Reindeer)	B ^{com}

Table 5. Mammalia species introduced to Svalbard, and their current status. For explanation of categories see text and Table 6.

Scientific name (common English name)	Occurrence
<i>Mustela vison</i> (American Mink)	I ^{acc}
<i>Rangifer tarandus tarandus</i> (Reindeer)	I
<i>Ovibos moschatus</i> (Musk Ox)	I
<i>Microtus rossiaemeridionalis</i> (Sibling Vole)	B ^{com}
Restricted to an area on the south side of Isfjorden	
<i>Mus musculus</i> (House Mouse)	I ^{acc}
<i>Rattus norvegicus</i> (Brown Rat)	I ^{acc}
<i>Lepus arcticus</i> (Arctic Hare)	I
<i>Lepus timidus</i> (Mountain Hare)	I

Cramp & Perrins 1993, 1994a, b) for birds and Wilson & Reeder (1993) for mammals. The taxonomic nomenclature in the *Handbook of the birds of Europe the Middle East and North Africa* is largely based upon Voous (1977). Contrary to Voous (1977), we have treated the Green-winged Teal *Anas carolinensis* as a separate species following Sangster et al. (2002).

Subspecies are only included in the lists if the records have been approved by the SBRC, the NBRC or scientific specialists who work with the specific taxonomic group.

For each species, an abbreviation is given

which indicates its current occurrence rating in Svalbard, followed by a code describing the status of the record (Table 6). Eight bird species have been given separate codes for occurrence on Bjørnøya (BJ) and Spitsbergen (SP). These are species more common on Bjørnøya than in the rest of Svalbard. Irregular breeders, probable breeders and species having bred one or a few times have all been given two occurrence rating codes, one code indicating the number of breeding records known and one code indicating the occurrence of non-breeding individuals. This implies that the species are breeding or that breeding records are known but that the majority of records are of non-breeding individuals. Bird species not given a code describing the status of the record are abundant or common breeders, and records of these species do not need to be handled by the SBRC or the NBRC. Population sizes for the bird species (the “Abundant” and “Common” categories) are according to Anker-Nilssen et al. (2000).

The examination and approval of records by the SBRC and the NBRC is a continuous process, and thus the list includes observations that are not as yet approved by the committees (19 species). Some old records are included in the list, even though the committees are unable to assess the records due to lack of documentation (9 species). These observations are published and regarded as valid by the respective authors. The list of mammals does not include a status category because there is no official system for handling records of mammalian fauna in Svalbard as there is for the avifauna.

Finally, numbered references corresponding to sources listed in Section II are given for each species.

Table 6. Abbreviations employed in Section I.

Occurrence	
Non-breeders	
N ^{freq}	Frequent (annual occurrence in small numbers, regularly occurring)
N ^{occ}	Occasional (relatively frequent occasional visitor)
N ^{r<5}	Rare (fewer than 5 records)
N ^{r<20}	Rare (fewer than 20 records)
BGS	Recorded only in Barents/Greenland seas
Breeders	
B ^{ab}	Abundant annual breeder (more than 10 000 breeding pairs)
B ^{com}	Common annual breeder (fewer than 10 000 breeding pairs)
B ^{disp}	Common but dispersed breeder
B ^{uncom}	Uncommon annual breeder
B ^{irr}	Irregular breeder (but may have annual breeding attempts)
B ^{prob}	Probable annual breeder
B ^{rec}	Breeding recorded
B ^{rec1}	One breeding record
B ^{rec2}	More than one breeding record
BJ	Bjørnøya (Bear Island)
SP	Spitsbergen
Status of record	
I	Introduced and later extinct
I ^{acc}	Accidentally introduced and later extinct
?	Old record without documentation/uncertain observation
E	Exterminated
Unc ^{SBRC}	Status of record uncertain. Needs to be examined and approved by the Svalbard Birds Rarities Committee (SBRC)
SBRC ^{app}	Approved by SBRC
SBRC ^x	Cannot be approved by the SBRC due to lack of documentation
Unc ^{NBRC}	Status of record uncertain. Needs to be examined and approved by the Norwegian Birds Rarities Committee (NBRC)
NBRC ^{app}	Approved by the NBRC
NBRC ^x	Cannot be approved by the NBRC due to lack of documentation

	Occurrence	Status of record	Reference
Class Aves			
Order Gaviiformes			
Fam. Gaviidae			
<i>Gavia stellata</i> Red-throated Diver	B ^{com}		19
<i>Gavia arctica</i> Black-throated Diver	B ^{recl} , N ^{freq}	SBRC ^{app}	19
Bred with <i>Gavia immer</i> on Bjørnøya in 1958.			
<i>Gavia immer</i> Great Northern Diver	B ^{irrBJ} , B ^{probSP}	SBRC ^{app}	19
<i>Gavia adamsii</i> Yellow-billed Diver	N ^{r<5}	SBRC ^{app}	28
Order Podicipediformes			
Fam. Podicipedidae			
<i>Podiceps grisegena</i> Red-necked Grebe	N ^{r<5}	SBRC ^x	19
<i>Podiceps auritus</i> Slavonian Grebe	N ^{r<5}	SBRC ^{app}	33
Order Procellariiformes			
Fam. Diomedidae			
<i>Diomedea melanophris</i> Black-browed Albatross	N ^{r<5} , N ^{BGS}	NBRC ^{app}	19
Fam. Procellariidae			
<i>Fulmarus glacialis</i> Northern Fulmar	B ^{ab}		19
<i>Puffinus griseus</i> Sooty Shearwater	N ^{r<5} , N ^{BGS}	SBRC ^{app}	19
<i>Puffinus puffinus</i> Manx Shearwater	N ^{r<5} , N ^{BGS}	SBRC ^{app}	28
Fam. Hydrobatidae			
<i>Oceanites oceanicus</i> Wilson's Storm-petrel	N ^{r<5} , N ^{BGS}	NBRC ^{app}	35
<i>Hydrobates pelagicus</i> European Storm Petrel	N ^{r<5}	SBRC ^{app}	11
Order Pelecaniformes			
Fam. Sulidae			
<i>Morus bassanus</i> Northern Gannet	N ^{occ}	SBRC ^{app}	19
Fam. Phalacrocoracidae			
<i>Phalacrocorax carbo</i> Great Cormorant	N ^{r<5}	SBRC ^x	28
Order Ciconiiformes			
Fam. Ardeidae			
Subfam. Ardeinae			
<i>Egretta alba</i> Great White Egret	N ^{r<5}	NBRC ^{app}	21
<i>Ardea cinerea</i> Grey Heron	N ^{r<20}	SBRC ^{app}	19
Order Anseriformes			
Fam. Anatidae			
Subfam. Anserinae			
Tribe Anserini			
<i>Cygnus olor</i> Mute Swan	N ^{r<5}	SBRC ^{app}	28
<i>Cygnus columbianus</i> Tundra Swan	N ^{r<20}	SBRC ^{app}	19

<i>Cygnus cygnus</i> Whooper Swan	N ^{freq}	SBRC ^{app}	19
<i>Anser fabalis</i> Bean Goose	N ^{r<5}	SBRC ^{app}	28
<i>Anser brachyrhynchus</i> Pink-footed Goose	B ^{ab}		19
<i>Anser albifrons</i> Greater White-fronted Goose	N ^{r<20}	SBRC ^{app}	17
<i>Anser anser</i> Greylag Goose	B ^{prob} , N ^{freq}	SBRC ^{app}	7
<i>Anser indicus</i> Bar-headed Goose	N ^{r<5}	SBRC ^{app}	31
<i>Anser caerulescens</i> Snow Goose	N ^{freq}	SBRC ^{app}	27
<i>Branta canadensis</i> Canada Goose	N ^{r<5}	SBRC ^{app}	28
<i>Branta leucopsis</i> Barnacle Goose	B ^{ab}		19
<i>Branta bernicla bernicla</i> Brent Goose	B ^{prob} , N ^{freq}	SBRC ^{app}	28
<i>Branta bernicla hrota</i>	B ^{com}		19
<i>Branta bernicla nigricans</i>	N ^{r<5}	NBRC ^{app}	21
<i>Branta ruficollis</i> Red-breasted Goose	N ^{r<5}	Unc ^{NBRC}	28
Subfam. Anatinae			
Tribe Tadornini			
<i>Tadorna tadorna</i> Common Shelduck	N ^{r<5}	SBRC ^{app}	28
Tribe Cairinini			
<i>Aix galericulata</i> Mandarin Duck	N ^{r<5}	Unc ^{SBRC}	28
Tribe Anatini			
<i>Anas penelope</i> Eurasian Wigeon	N ^{occ}	SBRC ^{app}	19
<i>Anas strepera</i> Gadwall	N ^{r<5}	SBRC ^{app}	28
<i>Anas formosa</i> Baikal Teal	N ^{r<5}	NBRC ^{app}	34
<i>Anas crecca</i> Eurasian Teal	B ^{irr} , N ^{freq}	SBRC ^{app}	19
<i>Anas carolinensis</i> Green-winged Teal	N ^{r<5}	NBRC ^{app}	21
<i>Anas platyrhynchos</i> Mallard	N ^{occ}	SBRC ^{app}	19
<i>Anas acuta</i> Northern Pintail	B ^{irr} , N ^{freq}	SBRC ^{app}	19
<i>Anas querquedula</i> Garganey	N ^{r<5} , ?	SBRC ^x	19
<i>Anas discors</i> Blue-winged Teal	N ^{r<5}	NBRC ^{app}	4, 9
<i>Anas clypeata</i> Northern Shoveler	N ^{r<20}	SBRC ^{app}	37
Tribe Aythyini			
<i>Aythya collaris</i> Ring-necked Duck	N ^{r<5}	Unc ^{NBRC}	28
<i>Aythya fuligula</i> Tufted Duck	N ^{freq}	SBRC ^{app}	19
<i>Aythya marila</i> Greater Scaup	N ^{r<20}	SBRC ^{app}	19
Tribe Somateriini			
<i>Somateria mollissima</i> Common Eider	B ^{ab}		19
<i>Somateria spectabilis</i> King Eider	B ^{com}		19
<i>Somateria fischeri</i> Spectacle Eider	N ^{r<5}	NBRC ^{app}	28
<i>Polysticta stelleri</i> Steller's Eider	N ^{occ}	SBRC ^{app}	28
Tribe Mergini			
<i>Histrionicus histrionicus</i> Harlequin Duck	N ^{r<5}	NBRC ^x	19
<i>Clangula hyemalis</i> Long-tailed Duck	B ^{com}		19
<i>Melanitta nigra</i> Black Scoter	B ^{rec2BJ} , B ^{probSP}	SBRC ^{app}	19
<i>Melanitta fusca</i> Velvet Scoter	N ^{r<20}	SBRC ^{app}	19
<i>Bucephala islandica</i> Barrow's Goldeneye	N ^{r<5}	NBRC ^x	33
<i>Bucephala clangula</i> Common Goldeneye	N ^{r<20}	SBRC ^{app}	27
<i>Mergus serrator</i> Red-breasted Merganser	N ^{occ}	SBRC ^{app}	29
<i>Mergus merganser</i> Goosander	N ^{r<5}	Unc ^{SBRC}	19

Order Accipitriformes			
Fam. Accipitridae			
<i>Haliaeetus albicilla</i> White-tailed Eagle	N ^{r<20}	SBRC ^{app}	28
<i>Accipiter nisus</i> Eurasian Sparrowhawk	N ^{r<5}	SBRC ^{app}	16
<i>Buteo lagopus</i> Rough-legged Buzzard	N ^{r<5}	SBRC ^{app}	28
Order Falconiformes			
Fam. Falconidae			
<i>Falco naumanni</i> Lesser Kestrel	N ^{r<5} , N ^{BGS}	NBRC ^{app}	4, 10
<i>Falco tinnunculus</i> Common Kestrel	N ^{r<5}	SBRC ^{app}	19
<i>Falco columbarius</i> Merlin	N ^{r<5}	SBRC ^{app}	19
<i>Falco rusticolus</i> Gyr Falcon	N ^{occ}	SBRC ^{app}	19
<i>Falco peregrinus</i> Peregrine Falcon	N ^{r<5}	Unc ^{SBRC}	28
Order Galliformes			
Fam. Tetraonidae			
<i>Lagopus mutus hyperboreus</i> Rock Ptarmigan	B ^{com}		19
Order Gruiformes			
Fam. Rallidae			
<i>Rallus aquaticus</i> Water Rail	N ^{r<5}	SBRC ^{app}	19
<i>Gallinula chloropus</i> Common Moorhen	N ^{r<5}	SBRC ^{app}	25
<i>Fulica atra</i> Common Coot	N ^{r<5}	SBRC ^{app}	24
Fam. Gruidae			
<i>Grus grus</i> Common Crane	N ^{r<5}	SBRC ^{app}	25
Order Charadriiformes			
Fam. Haematopodidae			
<i>Haematopus ostralegus</i> Eurasian Oystercatcher	N ^{occ}	SBRC ^{app}	19
Fam. Charadriidae			
Subfam. Charadriinae			
<i>Charadrius hiaticula</i> Ringed Plover	B ^{disp}		19
<i>Charadrius morinellus</i> Eurasian Dotterel	N ^{r<5}	Unc ^{SBRC}	19
<i>Pluvialis fulva</i> Pacific Golden Plover	B ^{recl} , N ^{r<5}	NBRC ^{app}	12
<i>Pluvialis apricaria</i> European Golden Plover	B ^{uncom}	SBRC ^{app}	19
<i>Pluvialis squatarola</i> Grey Plover	N ^{r<20}	SBRC ^{app}	7
Subfam. Vanellinae			
<i>Vanellus vanellus</i> Lapwing	N ^{occ}	SBRC ^{app}	19
Fam. Scolopacidae			
Subfam. Calidridinae			
<i>Calidris canutus</i> Red Knot	B ^{uncom}	SBRC ^{app}	19
<i>Calidris alba</i> Sanderling	B ^{disp}		19
<i>Calidris minuta</i> Little Stint	N ^{r<20}	Unc ^{SBRC}	8
<i>Calidris temminckii</i> Temminck's Stint	N ^{r<5}	SBRC ^{app}	28
<i>Calidris fuscicollis</i> White-rumped Sandpiper	N ^{r<5}	NBRC ^{app}	25
<i>Calidris melanotos</i> Pectoral Sandpiper	N ^{r<20}	NBRC ^{app}	29

<i>Calidris acuminata</i> Sharp-tailed Sandpiper	N ^{r<5}	Unc ^{NBRC}	28
<i>Calidris ferruginea</i> Curlew Sandpiper	N ^{r<20}	SBRC ^{app}	30
<i>Calidris maritima</i> Purple Sandpiper	B ^{com}		19
<i>Calidris alpina</i> Dunlin	B ^{disp}		19
<i>Limicola falcinellus</i> Broad-billed Sandpiper	N ^{r<5}	Unc ^{SBRC}	15
<i>Tryngites subruficollis</i> Buff-breasted Sandpiper	N ^{r<5}	NBRC ^{app}	1
<i>Philomachus pugnax</i> Ruff	N ^{r<5}	SBRC ^{app}	20
Subfam. Gallinaginae			
<i>Lymnocyptes minimus</i> Jack Snipe	N ^{r<5}	SBRC ^{app}	16
<i>Gallinago gallinago</i> Common Snipe	N ^{occ}	SBRC ^{app}	37
<i>Gallinago media</i> Great Snipe	N ^{r<5}	Unc ^{SBRC}	19
Subfam. Scolopacinae			
<i>Scolopax rusticola</i> Eurasian Woodcock	N ^{r<20}	SBRC ^{app}	19
Subfam. Tringinae			
<i>Limosa limosa</i> Black-tailed Godwit	N ^{r<5}	SBRC ^{app}	13
<i>Limosa limosa islandica</i>	N ^{r<5}	SBRC ^{app}	28
<i>Limosa lapponica</i> Bar-tailed Godwit	N ^{r<5}	Unc ^{SBRC}	22
<i>Numenius phaeopus</i> Whimbrel	N ^{freq}	SBRC ^{app}	19
<i>Numenius arquata</i> Eurasian Curlew	N ^{r<5}	SBRC ^{app}	7
<i>Tringa erythropus</i> Spotted Redshank	N ^{r<5}	SBRC ^{app}	37
<i>Tringa totanus</i> Common Redshank	N ^{occ}	SBRC ^{app}	19
<i>Tringa nebularia</i> Common Greenshank	N ^{r<5}	SBRC ^{app}	28
<i>Tringa glareola</i> Wood Sandpiper	N ^{r<5}	SBRC ^{app}	28
<i>Xenus cinereus</i> Terek Sandpiper	N ^{r<5BJ}	NBRC ^{app}	28
<i>Actitis hypoleucos</i> Common Sandpiper	N ^{r<5}	Unc ^{SBRC}	28
<i>Actitis macularia</i> Spotted Sandpiper	N ^{r<5}	NBRC ^{app}	19, 32
Subfam. Arenariinae			
<i>Arenaria interpres</i> Ruddy Turnstone	B ^{disp}		19
Subfam. Phalaropodinae			
<i>Phalaropus lobatus</i> Red-necked Phalarope	B ^{uncom}	SBRC ^{app}	19
<i>Phalaropus fulicarius</i> Grey Phalarope	B ^{com}		19
Fam. Stercorariidae			
<i>Stercorarius pomarinus</i> Pomarine Skua	N ^{freq}		19
<i>Stercorarius parasiticus</i> Arctic Skua	B ^{com}		19
<i>Stercorarius longicaudus</i> Long-tailed Skua	B ^{uncom}	SBRC ^{app}	19
<i>Catharacta skua</i> Great Skua	B ^{com}		19
Fam. Laridae			
<i>Larus minutus</i> Little Gull	N ^{r<5}	SBRC ^{app}	28
<i>Larus sabini</i> Sabine's Gull	B ^{uncom}	SBRC ^{app}	19
<i>Larus ridibundus</i> Black-headed Gull	B ^{rec1} , N ^{freq}	SBRC ^{app}	6
<i>Larus delawarensis</i> Ring-billed Gull	N ^{r<5}	NBRC ^{app}	15
<i>Larus canus</i> Mew Gull	B ^{rec2BJ} , N ^{freq}	SBRC ^{app}	19
<i>Larus fuscus</i> Lesser Black-backed Gull	B ^{recBJ} , N ^{freq2}	SBRC ^{app}	19
<i>Larus fuscus graellsii</i>	N ^{freq}	SBRC ^{app}	28
<i>Larus argentatus</i> Herring Gull	B ^{uncomBJ} , B ^{irrSP}	SBRC ^{app}	19
<i>Larus glaucoides</i> Iceland Gull	N ^{freq}	SBRC ^{app}	29

<i>Larus hyperboreus</i> Glaucous Gull	B ^{com}		19
<i>Larus marinus</i> Great Black-backed Gull	B ^{disp}		19
<i>Rhodostethia rosea</i> Ross's Gull	N ^{freq}	SBRC ^{app}	19
<i>Rissa tridactyla</i> Black-legged Kittiwake	B ^{ab}		19
<i>Pagophila eburnea</i> Ivory Gull	B ^{disp}		19
Fam. Sternidae			
<i>Sterna hirundo</i> Common Tern	N ^{r<5}	SBRC ^x	28
<i>Sterna paradisaea</i> Arctic Tern	B ^{com}		19
<i>Chlidonias niger</i> Black Tern	N ^{r<5}	SBRC ^{app}	28
Fam. Alcidae			
<i>Uria aalge</i> Common Guillemot	B ^{abBJ} , B ^{uncomSP}	SBRC ^{app}	19
<i>Uria lomvia</i> Brünnich's Guillemot	B ^{ab}		19
<i>Alca torda</i> Razorbill	B ^{uncom}	SBRC ^{app}	19
<i>Cephus grylle</i> Black Guillemot	B ^{ab}		19
<i>Alle alle</i> Little Auk	B ^{ab}		19
<i>Fratercula arctica</i> Atlantic Puffin	B ^{ab}		19
<i>Fratercula cirrhata</i> Tufted Puffin	N ^{r<5BGS}	NBRC ^x	28
Order Columbiformes			
Fam. Columbidae			
<i>Columba livia</i> Rock Pigeon	I	SBRC ^{app}	28
<i>Columba palumbus</i> Common Wood Pigeon	N ^{r<5}	SBRC ^{app}	19
<i>Streptopelia decaocto</i> Eurasian Collared Dove	N ^{r<5}	SBRC ^{app}	28
<i>Streptopelia turtur</i> European Turtle Dove	N ^{r<5}	SBRC ^{app}	28
Order Cuculiformes			
Fam. Cuculidae			
Subfam. Cuculinae			
<i>Cuculus canorus</i> Common Cuckoo	N ^{r<5}	SBRC ^{app}	28
Order Strigiformes			
Fam. Strigidae			
Subfam. Buboninae			
<i>Nyctea scandiaca</i> Snowy Owl	N ^{freq}	SBRC ^{app}	19
Subfam. Striginae			
<i>Asio otus</i> Long-eared Owl	N ^{r<5}	SBRC ^{app}	27
<i>Asio flammeus</i> Short-eared Owl	N ^{r<20}	SBRC ^{app}	7
Order Apodiformes			
Fam. Apodidae			
Subfam. Apodinae			
<i>Apus apus</i> Common Swift	N ^{r<20}	SBRC ^{app}	19

Order Coraciiformes			
Fam. Upupidae			
<i>Upupa epops</i> Hoopoe	N ^{r<5}	SBRC ^x	19
Order Passeriformes			
Fam. Alaudidae			
<i>Alauda arvensis</i> Sky Lark	N ^{r<5}	SBRC ^{app}	27
<i>Eremophila alpestris</i> Horned Lark	N ^{r<5}	SBRC ^{app}	19
Fam. Hirundinidae			
<i>Riparia riparia</i> Sand Martin	N ^{r<5}	SBRC ^{app}	28
<i>Hirundo rustica</i> Barn Swallow	N ^{occ}	SBRC ^{app}	19
<i>Delichon urbica</i> House Martin	N ^{rec1?} , N ^{r<5}	SBRC ^{app}	19
Fam. Motacillidae			
<i>Anthus novaeseelandiae</i> Richard's Pipit	N ^{r<5}	SBRC ^x	28
<i>Anthus pratensis</i> Meadow Pipit	B ^{rec1} , N ^{r<5}	SBRC ^{app}	28
<i>Anthus cervinus</i> Red-throated Pipit	N ^{r<5}	SBRC ^{app}	28
<i>Anthus spinoletta</i> Water Pipit	N ^{r<5}	SBRC ^{app}	19
<i>Anthus trivialis</i> Tree Pipit	N ^{r<5}	SBRC ^{app}	28
<i>Motacilla flava</i> Yellow Wagtail	N ^{r<20}	SBRC ^{app}	15
<i>Motacilla alba</i> White Wagtail	B ^{rec1} , N ^{freq}	SBRC ^{app}	19
Fam. Bombycillidae			
Subfam. Bombycillinae			
<i>Bombycilla garrulus</i> Bohemian Waxwing	N ^{r<5}	SBRC ^{app}	7
Fam. Cinclidae			
<i>Cinclus cinclus</i> White-throated Dipper	N ^{r<5}	SBRC ^{app}	28
Fam. Prunellidae			
<i>Prunella modularis</i> Hedge Accentor	N ^{r<5}	Unc ^{SBRC}	37
Fam. Turdidae			
<i>Erithacus rubecula</i> European Robin	N ^{r<20}	SBRC ^{app}	28
<i>Luscinia svecica</i> Bluethroat	N ^{r<5}	Unc ^{SBRC}	28
<i>Phoenicurus ochruros</i> Black Redstart	N ^{r<5BJ}	Unc ^{SBRC}	28
<i>Phoenicurus phoenicurus</i> Common Redstart	N ^{r<5}	SBRC ^{app}	15
<i>Saxicola rubetra</i> Whinchat	N ^{r<5}	SBRC ^{app}	7, 28
<i>Saxicola torquata</i> Stonechat	N ^{r<5BJ}	Unc ^{SBRC}	28
<i>Oenanthe oenanthe</i> Northern Wheatear			
<i>Oenanthe oenanthe leucorhoa</i>	B ^{irr} , N ^{freq}	SBRC ^{app}	28
<i>Turdus torquatus</i> Ring Ouzel	N ^{r<5}	SBRC ^{app}	28
<i>Turdus merula</i> Common Blackbird	N ^{occ}	SBRC ^{app}	19
<i>Turdus pilaris</i> Fieldfare	N ^{occ}	SBRC ^{app}	19
<i>Turdus philomelos</i> Song Thrush	N ^{r<20}	SBRC ^{app}	37
<i>Turdus iliacus</i> Redwing	B ^{rec2} , N ^{freq}	SBRC ^{app}	19
Fam. Sylviidae			
<i>Locustella fluviatilis</i> River Warbler	N ^{r<5}	NBRC ^{app}	24
<i>Acrocephalus schoenobaenus</i> Sedge Warbler	N ^{r<5}	Unc ^{SBRC}	17

<i>Sylvia borin</i> Garden Warbler	N ^r <5	SBRC ^{app}	1
<i>Sylvia atricapilla</i> Blackcap	N ^r <5	SBRC ^{app}	27
<i>Phylloscopus inornatus</i> Yellow-browed Warbler	N ^r <5	SBRC ^{app}	28
<i>Phylloscopus sibilatrix</i> Wood Warbler	N ^r <5	SBRC ^{app}	28
<i>Phylloscopus collybita</i> Common Chiffchaff	N ^r <5	SBRC ^{app}	27
<i>Phylloscopus trochilus</i> Willow Warbler	N ^r <5	SBRC ^{app}	24
Fam. Muscicapidae			
<i>Muscicapa striata</i> Spotted Flycatcher	N ^r <5	Unc ^{SBRC}	14
<i>Ficedula parva</i> Red-breasted Flycatcher	N ^r <5BJ	SBRC ^{app}	15
<i>Ficedula hypoleuca</i> Pied Flycatcher	N ^r <5	SBRC ^{app}	26
Fam. Paridae			
<i>Parus major</i> Great Tit	N ^r <5BJ	SBRC ^{app}	28
Fam. Laniidae			
Subfam. Laniinae			
<i>Lanius excubitor</i> Great Grey Shrike	N ^r <5	SBRC ^{app}	23
Fam. Corvidae			
<i>Corvus monedula</i> Jackdaw	N ^r <5BJ	SBRC ^{app}	28
<i>Corvus frugilegus</i> Rook	N ^r <5	SBRC ^{app}	16
<i>Corvus corone</i> Carrion Crow	N ^r <20	SBRC ^{app}	19
<i>Corvus corax</i> Common Raven	N ^r <5	SBRC ^{app}	19
Fam. Sturnidae			
<i>Sturnus vulgaris</i> Common Starling	B ^{rec} BJ, N ^{freq}	SBRC ^{app}	19
Fam. Passeridae			
<i>Passer domesticus</i> House Sparrow	N ^r <5	Unc ^{SBRC}	14
Fam. Fringillidae			
Subfam. Fringillinae			
<i>Fringilla coelebs</i> Chaffinch	N ^r <5BJ	SBRC ^{app}	27
<i>Fringilla montifringilla</i> Brambling	N ^r <5	SBRC ^{app}	7
Subfam. Carduelinae			
<i>Carduelis chloris</i> European Greenfinch	N ^r <5	SBRC ^{app}	33
<i>Carduelis flavirostris</i> Twite	N ^r <5	Unc ^{SBRC}	28
<i>Carduelis flammea</i> Mealy Redpoll	B ^{rec} 2, N ^{freq}	SBRC ^{app}	19
<i>Carduelis hornemanni</i> Arctic Redpoll	N ^r <5	SBRC ^{app}	19
<i>Loxia curvirostra</i> Common Crossbill	N ^r <5	SBRC ^{app}	19
Fam. Emberizidae			
Subfam. Emberizinae			
<i>Calcarius lapponicus</i> Lapland Longspur	N ^r <20	SBRC ^{app}	7
<i>Plectrophenax nivalis</i> Snow Bunting	B ^{com}		19
<i>Emberiza citrinella</i> Yellowhammer	N ^r <5	SBRC ^{app}	19
<i>Emberiza rustica</i> Rustic Bunting	N ^r <5	SBRC ^{app}	28
<i>Emberiza schoeniclus</i> Reed Bunting	N ^r <20BJ	SBRC ^{app}	37
Hybrids			
<i>Somateria spectabilis/mollissima</i>	N ^r <20, B ^{prob}	NBRC ^{app}	27, 28

<i>Larus hyperboreus/argentatus</i>	N ^{r<20} , B ^{prob}	Unc ^{NBRC}	28
<i>Larus hyperboreus/marinus</i>	N ^{r<5}	Unc ^{NBRC}	28
Class Mammalia			
Order Carnivora			
Fam. Canidae			
<i>Alopex lagopus</i> (Linnaeus, 1758) Arctic Fox	B ^{com}		28
Fam. Mustelidae			
Subfam. Mustelinae			
<i>Mustela vison</i> Schreber, 1777 American Mink	I ^{acc}		28
Fam. Odobenidae			
<i>Odobenus rosmarus</i> (Linnaeus, 1758) Walrus	N ^{freq}		28
Fam. Phocidae			
<i>Cystophora cristata</i> (Erxleben, 1777) Hooded Seal	N ^{occ}		28
<i>Erignathus barbatus</i> (Erxleben, 1777) Bearded Seal	B ^{com}		28
<i>Phoca groenlandica</i> Erxleben, 1777 Harp Seal	N ^{freq}		28
<i>Phoca hispida</i> Schreber, 1775 Ringed Seal	B ^{com}		28
<i>Phoca vitulina</i> Linnaeus, 1758 Harbour Seal	B ^{disp}		28
Fam. Ursidae			
Subfam. Ursinae			
<i>Ursus maritimus</i> (Phipps, 1774) Polar Bear	B ^{com}		28
Order Cetacea			
Fam. Balaenidae			
<i>Balaena mysticetus</i> Linnaeus, 1758 Bowhead Whale Abundant previous to 1750.	N ^{occ}		28
<i>Eubalaena glacialis</i> (Müller, 1776) Right Whale Previous distribution north to Bjørnøya.	E		28
Fam. Balaenopteridae			
<i>Balaenoptera acutorostrata</i> Lacépède, 1804 Minke Whale	N ^{freq}		28
<i>Balaenoptera borealis</i> Lesson, 1828 Sei Whale	N ^{occ}		28
<i>Balaenoptera musculus</i> (Linnaeus, 1758) Blue Whale	N ^{r<5}		28
<i>Balaenoptera physalus</i> (Linnaeus, 1758) Fin Whale	N ^{occ}		28
<i>Megaptera novaeangliae</i> (Borowski, 1781) Humpback Whale	N ^{freq}		28
Fam. Delphinidae			
<i>Globicephala melas</i> (Traill, 1809) Long-finned Pilot Whale	N ^{r<5}		28
<i>Lagenorhynchus albirostris</i> (Grey, 1846) White-beaked Dolphin	N ^{freq}		28
<i>Orcinus orca</i> (Linnaeus, 1758) Killer Whale	N ^{occ}		28
Fam. Monodontidae			
<i>Delphinapterus leucas</i> (Pallas, 1776) White Whale	B ^{com}		28

<i>Monodon monoceros</i> Linnaeus, 1758 Narwhal	N ^{occ}	28
Fam. Physeteridae		
<i>Physeter catodon</i> Linnaeus, 1758 Sperm Whale	N ^{occ}	28
Fam. Phocoenidae Grey, 1825		
<i>Hyperoodon ampullatus</i> (Forster, 1770) Northern Bottlenose Whale	N ^{occ}	28
Order Artiodactyla		
Fam. Cervidae		
Subfam. Odocoileinae		
<i>Rangifer tarandus platyrhynchus</i> Svalbard Reindeer	B ^{com}	38
<i>Rangifer tarandus tarandus</i> (Linnaeus, 1758) Reindeer	I	38
Fam. Bovidae		
Subfam. Caprinae		
<i>Ovibos moschatus</i> (Zimmermann, 1780) Musk Ox	I	2, 18
Order Rodentia		
Suborder Sciurognathi		
Fam. Muridae		
Subfam. Arvicolinae		
<i>Dicrostonyx torquatus</i> (Pallas, 1778) Collared Lemming	N ^{r<5} , ?	36
<i>Microtus rossiaemeridionalis</i> Ognev, 1924 Sibling Vole	B ^{com}	5, 29
Restricted to an area on the south side of Isfjorden.		
Subfam. Murinae		
<i>Mus musculus</i> Linnaeus, 1758 House Mouse	I ^{acc}	29
<i>Rattus norvegicus</i> (Berkenhout, 1769) Brown Rat	I ^{acc}	28
Order Lagomorpha		
Fam. Leporidae		
<i>Lepus arcticus</i> Ross, 1819 Arctic Hare	I	18
<i>Lepus timidus</i> Linnaeus, 1758 Mountain Hare	I	18

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