

Occurrence (0 – absence, 1 - presence) of fish species of the different zoogeographic groups (ZG, according Andriashev, Chernova, 1995) in bottom trawl catches (BT) during the Autumn Barents Sea Ecosystem survey (BESS) in 2004-2013

Order	Family	Scientific_name	Author	English	ZG	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
						BT	BT	BT	BT	BT	BT	BT	BT	BT	BT
Myxiniiformes	Myxinidae	Myxine glutinosa	Linnaeus, 1758	Hagfish	B	0	0	0	0	0	0	0	1	0	0
Petromyzontiformes	Petromyzontidae	Petromyzon marinus	Linnaeus, 1758	Sea lamprey	SB	0	0	0	0	0	0	0	0	0	0
Petromyzontiformes	Petromyzontidae	Lethenteron camtschaticum	(Tilesius, 1811)	Arctic Lamprey	MB	0	1	1	0	1	0	0	0	1	1
Squaliformes	Dalatiidae	Etmopterus spinax	(Linnaeus, 1758)	Velvet belly	WD	1	1	0	0	0	0	0	0	1	0
Squaliformes	Dalatiidae	Somniosus microcephalus	(Bloch & Schneider 1801)	Greenland shark	MB	1	1	1	1	1	0	1	1	1	1
Rajiformes	Arhynchobatidae	Bathyraja spinicauda	(Jensen, 1914)	Spinetail ray	MB	1	1	1	1	1	1	1	1	1	1
Rajiformes	Rajidae	Amblyraja hyperborea	(Collett, 1879)	Arctic skate	A	1	1	1	1	1	1	1	1	1	1
Rajiformes	Rajidae	Amblyraja radiata	(Donovan, 1808)	Thorny skate	MB	1	1	1	1	1	1	1	1	1	1
Rajiformes	Rajidae	Dipturus batis ¹	(Linnaeus, 1758)	Blue skate	B	0	0	1	1	0	0	0	0	0	0
Rajiformes	Rajidae	Rajella lintea	(Fries, 1838)	Sailray	B	0	0	0	0	1	0	0	1	0	0
Rajiformes	Rajidae	Rajella fyllae	(Lütken, 1887)	Round ray	MB	1	1	1	1	1	1	1	1	1	1
Chimaeriformes	Chimaeridae	Chimaera monstrosa	Linnaeus, 1758	Rabbit fish	B	1	1	1	1	1	1	0	1	1	0
Anguilliformes	Synphobranchidae	Diastobranchis capensis	Barnard 1923	Basketwork eel	WD ²	0	1	0	0	0	0	0	0	0	0
Clupeiformes	Clupeidae	Clupea harengus harengus	Linnaeus, 1758	Atlantic herring	MB	1	1	1	1	1	1	1	1	1	1
Clupeiformes	Clupeidae	Clupea pallasii suworowi	Rabinerson 1927	Kanin herring	AB ³	0	1	1	1	1	1	1	1	1	1
Osmeriformes	Argentiniidae	Argentina silus	(Ascanius, 1775)	Greater argentine	B	1	1	1	1	1	1	1	1	1	1
Osmeriformes	Microstomatidae	Nansenia groenlandica	(Reinhardt, 1840)	Large-eyed argentine	SB	0	0	0	1	0	0	0	0	0	0
Osmeriformes	Osmeridae	Mallotus villosus	(Müller, 1776)	Capelin	MB	1	1	1	1	1	1	1	1	1	1
Osmeriformes	Osmeridae	Osmerus mordax dentex	Steindachner, 1870	Rainbow smelt	AB	0	0	0	0	0	1	1	1	1	1
Salmoniformes	Salmonidae	Salmo salar	Linnaeus, 1758	Atlantic salmon	MB	1	0	0	0	0	1	0	0	0	0
Stomiiformes	Sternoptychidae	Argyroteleus hemigymnus	Cocco, 1829	Half-naked hatchet fish	WD	0	0	0	0	0	0	0	0	0	0
Stomiiformes	Sternoptychidae	Maurolucus muelleri	(Gmelin, 1789)	Pearlside	B	1	1	1	1	1	1	1	1	1	1
Aulopiformes	Paralepididae	Arctozenus risso	(Bonaparte, 1840)	White barracudina	WD	1	1	1	1	1	1	1	1	1	1
Myctophiformes	Myctophidae	Benthoosema glaciale	(Reinhardt, 1837)	Glacier lanternfish	MB	0	1	1	1	1	1	1	1	1	1
Myctophiformes	Myctophidae	Lampanyctus macdonaldi	(Goode & Bean, 1896)	Rakery beaconlamp	WD	0	1	0	0	0	0	0	1	0	0
Myctophiformes	Myctophidae	Notoscopelus kroyeri	(Malm, 1861)	Kroyers lanternfish	MB	1	1	1	1	1	1	1	1	1	1
Gadiformes	Macrouridae	Coelorinchus labiatus	(Köhler 1896)	Spearsnouted grenadier		0	0	0	0	1	0	0	0	0	0
Gadiformes	Macrouridae	Coryphaenoides rupestris	Gunnerus 1765	Roundnose grenadier	WD	1	1	0	0	0	0	0	0	0	0
Gadiformes	Macrouridae	Macrourus berglax	Lacepede, 1801	Roughhead grenadier	B	1	1	1	1	1	1	1	1	1	1
Gadiformes	Gadidae	Arctogadus glacialis	(Peters, 1874)	Arctic cod	A	1	0	1	1	1	1	1	1	1	1
Gadiformes	Gadidae	Boreogadus saida	(Lepechin, 1774)	Polar cod	A	1	1	1	1	1	1	1	1	1	1
Gadiformes	Gadidae	Eleginus nawaga	(Koelreuter, 1770)	Atlantic navaga	A	1	1	0	0	1	1	1	1	1	1

Perciformes	Zoarcidae ⁸	Lycodes squamiventer	Jensen, 1904	Scalebelly eelpout	A	1	0	0	1	1	1	1	1	1	1
Perciformes	Zoarcidae ⁸	Lycodonus flagellicauda	(Jensen, 1901)	Clue tail eelspout	A	1	1	1	1	1	1	0	1	1	1
Perciformes	Zoarcidae ⁸	Gymnelus spp. ⁹	Reinhardt, 1834			1	1	1	1	1	1	1	1	1	1
Perciformes	Stichaeidae	Anisarchus medius	(Reinhardt, 1837)	Stout eelblenny	B	1	1	1	1	1	1	1	1	1	1
Perciformes	Stichaeidae	Leptoclinus maculatus	(Fries, 1838)	Daubed shanny	MB	1	1	1	1	1	1	1	1	1	1
Perciformes	Stichaeidae	Lumpenus fabricii	Reinhardt, 1836	Slender eelblenny	MA	1	1	1	0	1	0	1	0	1	1
Perciformes	Stichaeidae	Lumpenus lampretaeformis	(Walbaum, 1792)	Snakeblenny	MB	1	1	1	1	1	1	1	1	1	1
Perciformes	Anarhichadidae	Anarhichas denticulatus	Kröyer, 1845	Northern wolffish	MB	1	1	1	1	1	1	1	1	1	1
Perciformes	Anarhichadidae	Anarhichas lupus	Linnaeus, 1758	Atlantic wolffish	MB	1	1	1	1	1	1	1	1	1	1
Perciformes	Anarhichadidae	Anarhichas minor	Olafsen, 1772	Spotted wolffish	MB	1	1	1	1	1	1	1	1	1	1
Perciformes	Ammodytidae	Ammodytes marinus ¹⁰	Raitt, 1934	Lesser sandeel	MB	1	1	1	1	1	1	1	1	1	1
Perciformes	Scombridae	Scomber scombrus	Linnaeus, 1758	Atlantic mackerel	SB	0	0	0	0	0	0	0	0	0	0
Pleuronectiformes	Pleuronectidae	Glyptocephalus cynoglossus	(Linnaeus, 1758)	Witch flounder	MB	1	1	1	1	1	1	0	0	1	1
Pleuronectiformes	Pleuronectidae	Hippoglossoides platessoides	(Fabricius, 1780)	Long rough dab	MB	1	1	1	1	1	1	1	1	1	1
Pleuronectiformes	Pleuronectidae	Hippoglossus hippoglossus	(Linnaeus, 1758)	Atlantic halibut	MB	1	1	1	1	1	0	1	1	0	0
Pleuronectiformes	Pleuronectidae	Limanda limanda	(Linnaeus, 1758)	Dab	MB	1	1	1	1	1	1	1	1	1	1
Pleuronectiformes	Pleuronectidae	Microstomus kitt	(Walbaum, 1792)	Lemon sole	B	1	1	1	1	1	1	0	1	1	1
Pleuronectiformes	Pleuronectidae	Pleuronectes glacialis	(Pallas, 1776)	Arctic flounder	MA	0	0	0	0	1	0	1	1	1	1
Pleuronectiformes	Pleuronectidae	Pleuronectes platessa	Linnaeus, 1758	European plaice	MB	1	1	1	1	1	1	1	1	1	1
Pleuronectiformes	Pleuronectidae	Reinhardtius hippoglossoides	(Walbaum, 1792)	Greenland halibut	MA	1	1	1	1	1	1	1	1	1	1
Pleuronectiformes	Scophthalmidae	Lepidorhombus whiffiagonis	(Walbaum, 1792)	Megrim		0	0	0	1	0	0	0	0	0	0
Pleuronectiformes	Scophthalmidae	Zeugopterus norvegicus	(Günther, 1862)	Norwegian topknot	B	0	0	1	0	1	0	0	0	1	0

Notes:

¹ probably misidentified *Batyraja spinacauda*

² according distribution in the Melo et al., 2009

³ according Mecklenburg et al., 2010

⁴ *Sebastes marinus* (Linnaeus, 1758) is still used in scientific literature and management

⁵ difficult to determine to species level

⁶ this species needs verification in the Barents Sea

⁷ the genus is under revision (Chernova 2006), since 2007 only recorded to genus level on Norwegian boats, Russian boats determined to the species level, using taxonomy before Chernova 2006, three species *C. reinhardtii*, *C. microps*, *C. ranula*

⁸ uncertain species identification for many species in this family, especially on Norwegian boats before 2007

⁹ this genus is under taxonomic revision

¹⁰ difficult to determine to species level, all recordings in this family has been pooled with *Ammodytes marinus* (*A. tobianus* found very seldom)