

Ocean Disclosure Project 2015



























Key





Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
Alaska pollock Aleutian Islands United States 		Certified	B	<ul style="list-style-type: none"> Bycatch levels are recorded and considered low. Although bycatch includes threatened chinook salmon, impacts are reasonably well understood, and not considered a threat to the protection and recovery of these stocks. Direct and indirect impacts on PET species have been subject to extensive research and considered low and not significant. Regulations are in place that restrict trawling to prevent potential depletion of prey for endangered Steller sea lions, and reduce bycatch of halibut and crabs. Impacts on the bottom habitats and benthic communities are considered low, as only pelagic trawl gear is allowed in the directed fishery.
Alaska pollock East Bering Sea United States 		Certified	A	<ul style="list-style-type: none"> Bycatch levels are recorded and considered low. Although bycatch includes threatened chinook salmon, impacts are reasonably well understood and not considered a threat to the protection and recovery of these stocks. Direct and indirect impacts on PET species have been subject to extensive research and considered low and not significant. Regulations are in place that restrict trawling to prevent potential depletion of prey for endangered Steller sea lions, and reduce bycatch of halibut and crabs. Management measures are in place to reduce the impact of bottom trawls used in this fishery.
Alaska pollock Gulf of Alaska United States 		Certified	B	<ul style="list-style-type: none"> Direct and indirect impacts of the fishery on PET species (e.g. chinook salmon) have been subject to extensive research. The fishery is considered not to pose any unacceptable impacts on any PET species. Regulations are in place that restrict trawling in certain areas, to prevent potential depletion of prey for endangered Steller sea lions. Most of the fishery is conducted by midwater, or pelagic, trawls, and therefore impacts on the seabed are minimized. Several areas in the Gulf of Alaska (GOA) region are closed to trawling, in order to protect important seabed habitats.


*Please refer to the FishSource website for further information: www.fishsource.org


Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Alaska pollock Sea of Okhotsk Russia</p> 		<p>Not Certified or in a FIP</p>	<p>B</p>	<ul style="list-style-type: none">  Marine protected areas (MPAs) are in place to protect vulnerable species but there is a lack of evidence that a network of MPAs is protecting representative habitat functions and biodiversity.  Bycatch and discarding is recorded, and rates are low - generally under 5%.  No direct or indirect impacts on PET species can be attributed to the Alaska pollock fishery - no PET species in the stock area are known to be decreasing in abundance.  Benthic habitats were first surveyed over 20 years ago in the Sea of Okhotsk. No negative changes in the ecosystem due to the fishery (either benthic or pelagic communities) have been noted, partly explained by the fishery's use of only pelagic trawls.
<p>Albacore North Pacific United States, International Waters: North Pacific</p>  		<p>Certified</p>	<p>B</p>	<ul style="list-style-type: none">  Troll and pole fishing has very low bycatch associated with it. However, longline fisheries interact with a number of non-target species and information on these interactions is generally limited.  Troll and pole fishing has little to no impact to bottom habitats.
<p>Anglerfish English Channel and Celtic Sea United Kingdom</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  See footnote 1.  This is a multispecies fishery where several different species may be caught in the same trawl.  The impacts of the fishery on PET species and habitat are not known.  This fishery relies on bottom trawling which impacts the benthic habitat. However, the anglerfish lives on sandy and muddy bottoms and the impact of bottom trawls on these kinds of habitats is likely to be much lower than on some other habitats.
<p>Anglerfish North Sea, West of Scotland and Rockall United Kingdom</p> 	 	<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  This is a multispecies fishery where several different species may be caught in the same trawl.  The impacts of the fishery on PET species and habitat are not known.  This fishery relies on bottom trawling which impacts the benthic habitat. However, the anglerfish lives on sandy and muddy bottoms and the impact of bottom trawls on these kinds of habitats is likely to be much lower than on some other habitats.



Bycatch



Protected, endangered & threatened (PET) species



Wider food web



Benthic habitat



General notes



Gillnets



Midwater trawl



Hook & lines



Long lines



Seine nets



Purse seine



Pole & line


Gillnets






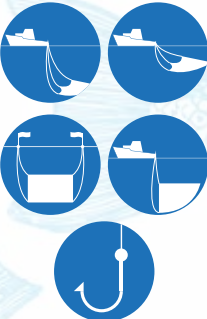




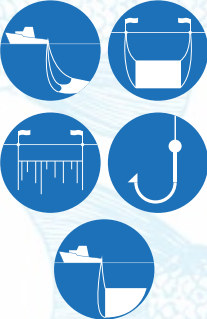





Bottom trawls








Pots & traps






Dredge








Rake/hand-gathered



*Please refer to the FishSource website for further information: www.fishsource.org

Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Atlantic cod Barents Sea Norway</p> 		<p>Certified</p>	<p>A</p>	<ul style="list-style-type: none">  Good Marine Protected Area (MPA) coverage. These MPAs have been selected based on the importance of their biological production and biodiversity.  Bottom trawls impact the benthic habitat.
<p>Atlantic cod Icelandic Iceland</p> 		<p>Not Certified or in a FIP</p>	<p>A</p>	<ul style="list-style-type: none">  Bycatch is considered to be low: all catches must be landed and are weighed and reported. Data is collected by an on-board observer program. There are also gear regulations to reduce bycatch in place.  Interactions with and impacts on PET species by the fishery are very unlikely, apart from a small risk of seabird entanglement.  Several areas off Icelandic waters are closed temporarily or permanently to all fisheries to protect both juveniles of some demersal species and benthic habitats.
<p>Atlantic cod Norwegian coastal Norway</p> 		<p>Certified</p>	<p>C</p>	<ul style="list-style-type: none">  Unattended gillnets which may drift out to sea can present a 'ghost fishing' problem - where the drifting nets indiscriminately catch marine life. See footnote 2.  Bycatch of marine mammals is monitored through a directed programme. Data on seabird bycatch is sparse, but bycatch can include the critically endangered common guillemot. However, observers report that most fisheries' impacts on seabirds are minor.  PET species interactions are rare but some studies indicate that gillnet and longline fisheries may pose a significant risk to (some) seabird populations. However, the entire fleet voluntarily uses bird scaring lines to avoid seabird bycatch.  Documented destruction of deepwater coral has led to closures of vulnerable areas to bottom trawling. Some gears could impact benthic habitats (Danish seine, trawl and gillnets).

























 Gillnets
  Pots & traps
  Bottom trawls
  Dredge
  Rake/hand-gathered
  Pole & line

 Hook & lines
  Seine nets
  Purse seine
  Gillnets

 Long lines
  Midwater trawl
  Protected, endangered & threatened (PET) species
  Wider food web
  Benthic habitat
  General notes

 Bycatch
  Bycatch

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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Atlantic herring Celtic Sea and South of Ireland European Union</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<ul style="list-style-type: none">  Very low bycatch.  This fishery does not impact PET species.  This fishery does not impact the benthic habitat.
<p>Atlantic herring English and Bristol Channels United Kingdom</p> 	 	<p>Not Certified or in a FIP</p>	<p>N/A</p>	<ul style="list-style-type: none">  Insufficient information available on this fishery. However, no high risk issues have been indentified at this time.*
<p>Atlantic herring North Sea Autumn spawners United Kingdom</p> 		<p>Certified</p>	<p>B</p>	<ul style="list-style-type: none">  Very low bycatch.  This fishery does not impact PET species.  This fishery does not impact the benthic habitat.
<p>Atlantic herring NE Atlantic Spring spawners Iceland, Russia, European Union, Faroe Islands, Norway</p>     	 	<p>Certified</p>	<p>B</p>	<ul style="list-style-type: none">  Very low bycatch.  This fishery does not impact PET species.  This fishery does not impact the benthic habitat.






Bycatch













Protected, endangered & threatened (PET) species

Wider food web








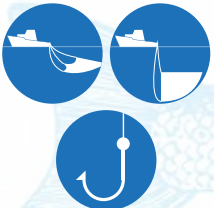
Benthic habitat


General notes























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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Atlantic herring North Sea Autumn spawners United Kingdom, European Union, Norway, Denmark</p> 		<p>Certified</p>	<p>A</p>	<ul style="list-style-type: none"> Very low bycatch. This fishery does not impact PET species. This fishery does not impact the benthic habitat.
<p>Atlantic herring West of Scotland European Union</p> 		<p>Certified</p>	<p>N/A</p>	<ul style="list-style-type: none"> Very low bycatch. This fishery does not impact PET species. This fishery does not impact the benthic habitat.
<p>Atlantic lobster South Gulf of St Lawrence Canada</p> 		<p>Not Certified or in a FIP</p>	<p>B</p>	<ul style="list-style-type: none"> Fishing takes place in an area with MPAs. Habitat impacts are thought to be low. The fishery has little impact on PET (or other) species.
<p>Atlantic mackerel North-East Atlantic European Union, Denmark</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none"> Low bycatch. Mackerel is an important food source for various marine mammals but no information could be obtained on the indirect effects of removal of a preferred prey species from the wider food web. Pelagic gear does not impact the benthic habitat.



Bycatch



Protected, endangered & threatened (PET) species



Wider food web



Benthic habitat



General notes



Gillnets



Midwater trawl



Hook & lines



Long lines



Seine nets



Purse seine



Gillnets


Pots & traps






















Bottom trawls








Dredge








Rake/hand-gathered







Pole & line

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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
Chum salmon East Pacific, Alaska United States 		Some product certified		 Insufficient information available on this fishery. However, there are no significant environment and biodiversity concerns associated with the Alaskan chum salmon fishery.*
Chum salmon East Pacific, Arctic-Yukon-Kuskokwim Alaska United States 		Certified		 Insufficient information available on this fishery. However, there are no significant environment or biodiversity impacts associated with AYK area chum salmon.*
Chum salmon East Pacific, Bristol Bay Alaska United States 		Certified		 Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*
Common cuttlefish English channel European Union 		Not Certified or in a FIP	N/A	 Insufficient information available on this fishery.* See footnote 1.
Common dab Celtic Sea and English Channel European Union 		Not Certified or in a FIP	N/A	 Insufficient information available on this fishery.* See footnote 1.  Possibly some interaction with skates and rays  Bottom trawls impact the benthic habitat.


















 Gillnets
 Pots & traps
 Bottom trawls
 Dredge
 Rake/hand-gathered
 Pole & line

 Midwater trawl
 Hook & lines
 Long lines
 Seine nets
 Purse seine
 Gillnets

















 Bycatch
 Protected, endangered & threatened (PET) species
 Wider food web
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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
Common edible cockle North Atlantic United Kingdom 		Certified	N/A	 Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*
Common octopus Stock units undefined (NE Atlantic) United Kingdom 		Not Certified or in a FIP	N/A	 Insufficient information available on this fishery. See footnote 1.
Edible crab East Coast Scotland United Kingdom  		Not Certified or in a FIP		 Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.* See footnote 3.
Edible crab Hebrides United Kingdom, European Union, Scotland  		Not Certified or in a FIP	N/A	 Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*
Edible crab Orkney United Kingdom  		Not Certified or in a FIP		 The gear used has low environmental impacts but ghost fishing due to lost gear is possible.  Impacts on marine mammals are not quantified.


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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Edible crab Shetland United Kingdom, European Union, Scotland</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>
<p>Edible crab Western Central North Sea United Kingdom, European Union, Scotland</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>
<p>European hake North-East Atlantic northern stock European Union</p> 		<p>Not Certified or in a FIP</p>	<p></p>	<p> Insufficient information available on this fishery.* See footnote 1.</p> <p> There are some impacts on PET species and habitat associated with this fishery but the level (intensity) of the environmental effects varied with gears and areas. However, the level of the impacts are not completely clear and a monitoring and management strategy should be implemented.</p>
<p>European pilchard North Atlantic European Union</p> 		<p>Some Product Certified</p>	<p></p>	<p> The pursuit of the same prey as the sardine fleet appears to be responsible for most incidents of bycatch. Two species of marine turtles, the loggerhead and the leatherback are also common in the area, but interactions with the sardine fishing gears are rare. Observer data and interview surveys of fishers also indicate a low impact on cetaceans, seabirds, and turtles.</p> <p> Sardine is an important prey species for several marine mammals in the region including common and other dolphins and harbour porpoises. The most likely way the fishery impacts on macrofauna may be via trophic relationships but further research is needed.</p>



Gillnets



Midwater trawl



Pots & traps



Hook & lines



Bottom trawls



Long lines



Dredge



Seine nets



Rake/hand-gathered



Purse seine



Pole & line



Gillnets


Bycatch





























Protected, endangered & threatened (PET) species







Wider food web














Benthic habitat


General notes





















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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>European pilchard North-West Africa Southern stock Morocco</p> 		<p>FIP (no rating)</p>		<ul style="list-style-type: none">  Purse seine is generally considered a low impact gear in terms of bycatch.  No estimates of interactions of the fishery with PET species are available, but within the reportedly susceptible groups of dolphins and turtles, no dolphin species in the region is known to be endangered, and turtles are usually released alive from purse seine used by the fishery.  Purse seine is generally considered a low impact gear in terms of impact on the benthic habitat.
<p>European plaice Eastern Channel United Kingdom, European Union</p> 	 	<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  Bottom trawls impact the benthic habitat.
<p>European plaice Irish Sea European Union</p> 	 	<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  There is bycatch of a range of species associated with this fishery, but quantities are not known.
<p>European plaice Northern sea European Union</p> 		<p>Some Product Certified</p>		<ul style="list-style-type: none">  Bycatch and discarding, along with impact on PET species are not systematically recorded.  Bottom trawls impact the benthic habitat.
<p>European plaice Western Channel European Union</p> 		<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  Interactions - including bycatch of a range of elasmobranchs (skates and rays) - are considered high. Interactions with sharks are also a cause for concern.  Interactions of this demersal mixed fishery with vulnerable elasmobranchs (skates and rays) are considered high. Interactions with sharks are also a cause for concern.  Bottom trawls impact the benthic habitat.













 Bycatch
  Protected, endangered & threatened (PET) species
  Wider food web
  Benthic habitat
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 Gillnets
  Midwater trawl
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  Gillnets














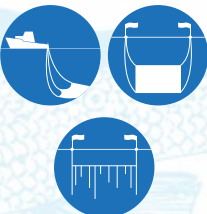








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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>European seabass North and Celtic Seas and English Channel European Union, United Kingdom</p> 		<p>Not Certified or in a FIP</p>		 Bycatch data is not systematically collected, but bycatch may be an issue with this fishery.
<p>European sprat English Channel European Union</p> 		<p>Not Certified or in a FIP</p>		 Further information on bycatch species is required, but this fishery is considered relatively clean in terms of bycatch. Risks of ghost fishing are also low.  Direct impacts on PET species are considered to be unlikely; research on indirect impacts via competition for sprat is underway.  This fishery primarily operates with mid-water trawls, which have a negligible impact on the benthic habitat.
<p>Giant tiger prawn Stock units undefined Nigeria</p> 		<p>Not Certified or in a FIP</p>		 See footnote 4.  There is a high proportion of bycatch in shrimp trawling fisheries but there is no current available data about the species caught, or the quantity of bycatch.  Turtle Excluder Devices are used to reduce the interaction with marine turtles, but the overall effect of trawling on PET species is not known.  Bottom trawls impact the benthic habitat.
<p>Goldstripe sardinella Stock units undefined Thailand</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	 Insufficient information available on this fishery.* See footnote 5.


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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Great Atlantic scallop</p> <p>Western English Channel United Kingdom, European Union</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<ul style="list-style-type: none">  See footnote 6.  Dredges have significant negative effects on the sea floor and associated communities but specific impacts are unknown.
<p>Grooved carpet shell</p> <p>European Union</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<ul style="list-style-type: none">  Insufficient information available on this fishery.*
<p>Gurnards, searobins</p> <p>European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  See footnote 1.  Several bycatch species are depleted and/or threatened but gurnards are themselves bycatch in a mixed fishery.  Bottom trawls impact the benthic habitat.
<p>Haddock</p> <p>Barents Sea Norway, Russia</p> 		<p>Some Product Certified</p>	<p>A</p>	<ul style="list-style-type: none">  Reasonably good Marine Protected Areas (MPA) coverage, selected based on the importance of their biological production and biodiversity.  There is still insufficient information (particularly gear-specific) regarding impacts on PET species but no reported evidence of significant interactions with any endangered species.  Bottom trawls impact the benthic habitat.
<p>Haddock</p> <p>Icelandic Iceland</p> 		<p>Some product certified</p>	<p>B</p>	<ul style="list-style-type: none">  Bycatch is considered to be low: all catches must be landed and are weighed and reported. Data is collected by an observer program. There are also gear regulations to reduce bycatch in place  Interactions with and impacts on PET species by the fishery are very unlikely, apart from a small risk of seabird entanglement.  Several areas off Icelandic waters are closed temporarily or permanently to all fisheries to protect both juveniles of some demersal species and benthic habitats.



Bycatch



Protected, endangered & threatened (PET) species



Wider food web



Benthic habitat



General notes



Gillnets



Midwater trawl



Pots & traps



Hook & lines



Bottom trawls



Long lines



Dredge


Seine nets






















Rake/hand-gathered



















Purse seine


Pole & line



















Gillnets






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






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<p>Haddock North Sea European Union, Norway</p> 		<p>Some Product Certified</p>	<p>B</p>	<ul style="list-style-type: none">  Bycatch of non-commercial species which are important ecosystem components requires further study as to its consequences.  The fishery might interact with some protected species, such as blue skate and spotted ray. However, some protective management measures have been introduced  Bottom trawls impact the benthic habitat. Corals reefs are protected in areas closed to all bottom-towed fishing gears in Norway.
<p>Haddock South-West of Ireland and English Channel European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  None of the cetacean, seal or seabird populations are currently known to be at risk. Monitoring programmes are in place to evaluate the current situation. See footnote 1.  The discarding of a variety of fish species is widespread.  Bottom trawls impact the benthic habitat. There is concern over the impact of demersal fishing on the benthic habitat in this fishery.
<p>Haddock West of Scotland European Union</p> 		<p>Not Certified or in a FIP</p>	<p>A</p>	<ul style="list-style-type: none">  Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*  Bottom trawls impact the benthic habitat.
<p>Indian mackerel Stock units undefined Sri Lanka, International Waters</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<ul style="list-style-type: none">  Insufficient information available on this fishery.*
<p>Inshore squids (multispecies) North-East Atlantic shelf European Union</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<ul style="list-style-type: none">  Insufficient information available on this fishery.* See footnote 1.

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









Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Japanese threadfin bream Stock unit unidentified India</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> Trawl fisheries has been reported to catch turtles and marine mammals off the Indian coast.</p> <p> The impact of this fishery on the stock is probably high because there are few efforts to discriminate between juveniles and adult bream and spawning areas are not adequately protected.</p>
<p>John dory North-East Atlantic European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.* See footnote 1.</p> <p> Bottom trawls impact the benthic habitat.</p>
<p>Lemon sole Icelandic Iceland</p> 		<p>Not Certified or in a FIP</p>	<p>B</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>
<p>Lemon sole North Sea and Eastern English Channel European Union</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>
<p>Lemon sole Western English Channel European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>

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 Protected, endangered & threatened (PET) species
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 Gillnets
 Midwater trawl
 Pots & traps
 Hook & lines
 Bottom trawls
 Long lines
 Dredge
 Seine nets
 Rake/hand-gathered
 Purse seine
 Pole & line
 Gillnets







*Please refer to the FishSource website for further information: www.fishsource.org







Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Mitre squid Stock units undefined Thailand</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	 Insufficient information available on this fishery.* See footnote 5.
<p>Northern prawn Barents Sea Russia, Norway</p> 		<p>Certified</p>		 No reports of interactions of the fishery with PET species could be located, despite Norway having initiated a programme to monitor marine mammal bycatch in 2004.  Bottom trawls impact the benthic habitat. There are area closures for bottom trawling but the specific impact of this fishery in the seabed (on cold water corals, sponges etc) is unknown.
<p>Northern prawn Icelandic offshore Iceland</p> 		<p>Not Certified or in a FIP</p>		 Bottom trawls impact the benthic habitat. There are area closures for bottom trawling but the specific impact of this fishery in the seabed (cold water corals, sponges) is unknown.
<p>Northern prawn West Greenland Canada, Greenland</p> 		<p>Certified</p>		 Insufficient information available on this fishery. However, no high risk issues have been indentified at this time.*
<p>Northern prawn Atlantic Canada Canada</p> 		<p>Some product certified</p>		 Bottom trawls impact the benthic habitat. Available information suggests that shrimp fishing occurs in less sensitive benthic habitats, and therefore the impact of the fishery is minor.






-  Bycatch
-  Protected, endangered & threatened (PET) species
-  Wider food web
-  Benthic habitat
-  General notes
-  Gillnets
-  Midwater trawl
-  Pots & traps
-  Hook & lines
-  Bottom trawls
-  Long lines
-  Dredge
-  Seine nets
-  Rake/hand-gathered
-  Purse seine
-  Pole & line
-  Gillnets

*Please refer to the FishSource website for further information: www.fishsource.org


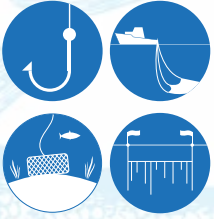

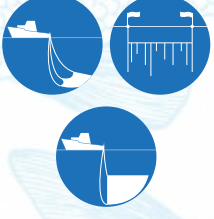



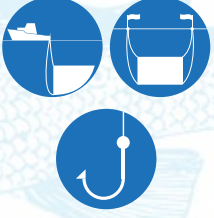


Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Norway lobster Botney Gut – Silver Pit European Union</p> 		<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  PET species are not impacted by the fishery and the habitat function is not undermined.  Bottom trawls impact the benthic habitat.
<p>Norway lobster Eastern Irish Sea European Union</p> 		<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  PET species are not impacted by the fishery and the habitat function is not undermined.  Bottom trawls impact the benthic habitat.
<p>Norway lobster Fladen Ground United Kingdom, European Union</p>  		<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  PET species are not impacted by the fishery and the habitat function is not undermined.  Bottom trawls impact the benthic habitat.
<p>Ornate threadfin bream Gulf of Thailand Thailand</p> 		<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  See footnote 5.  This fishery has problematic bycatch of vulnerable species groups.  Bottom trawls will impact the benthic habitat.
<p>Pacific cod Bering Sea and Aleutian Islands United States</p> 	   	<p>Not Certified or in a FIP</p>		<ul style="list-style-type: none">  Management measures are in place to limit impacts on PET species, including Steller sea lions and some seabirds. These efforts undergo periodic review to ensure they work as intended.  Bottom trawls impact the benthic habitat, but there is a substantial network of protected areas in place.






 Gillnets
  Pots & traps
  Bottom trawls
  Dredge
  Rake/hand-gathered
  Pole & line













 Midwater trawl
  Hook & lines
  Long lines
  Seine nets
  Purse seine
  Gillnets

 Bycatch
  Protected, endangered & threatened (PET) species
  Wider food web
  Benthic habitat
  General notes


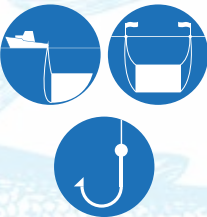


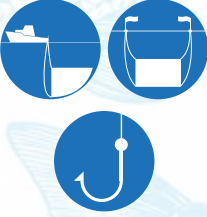






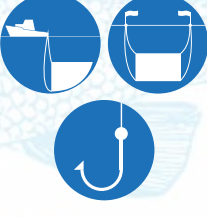


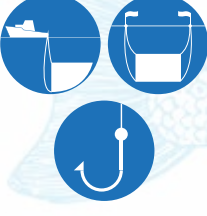

*Please refer to the FishSource website for further information: www.fishsource.org


Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Pacific cod Gulf of Alaska United States</p> 		<p>Not Certified or in a FIP</p>	<p>A</p>	<ul style="list-style-type: none"> Management measures are in place to limit impacts on PET species, including Steller sea lions and some seabirds. These efforts undergo periodic review to ensure they work as intended. Bottom trawls impact the benthic habitat, but there is a substantial network of protected areas in place.
<p>Pacific cod Russian Far East Russia</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none"> Although complete data on environmental effects of the fishery is not available, NGOs have reported serious concerns about bycatch issues. NGOs have reported serious concerns about impacts on the benthic habitat and ecosystems.
<p>Pink salmon East Pacific: Alaska United States</p> 		<p>Certified</p>	<p>C</p>	<ul style="list-style-type: none"> There is bycatch of Canadian sockeye stocks in the Southeast Alaska pink salmon fishery, including some stocks of regulatory concern.
<p>Pink salmon East Pacific: Annette Islands Reserve Alaska United States</p> 		<p>Certified</p>	<p>A</p>	<ul style="list-style-type: none"> There are no concerns regarding this fishery's environmental impacts to report at this time.*
<p>Pink salmon East Pacific: British Columbia Fraser River Canada</p> 		<p>Certified</p>	<p>B</p>	<ul style="list-style-type: none"> This fishery is not believed to pose a high environmental risk.* A more robust bycatch monitoring program for steelhead and white sturgeon is necessary.


 Bycatch
  Protected, endangered & threatened (PET) species
  Wider food web
  Benthic habitat
  General notes


 Gillnets
  Midwater trawl
  Pots & traps
  Hook & lines
  Bottom trawls
  Long lines
  Dredge
  Seine nets
  Rake/hand-gathered
  Purse seine
  Pole & line
  Gillnets


*Please refer to the FishSource website for further information: www.fishsource.org


Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Pink salmon East Pacific: British Columbia Inner South Coast Canada</p> 		<p>Certified</p>	<p>B</p>	<p> The fishery is not believed to pose a high environmental risk.* The Canadian authorities must take a closer look at the impact of salmon farming and associated sea lice on the pink salmon stocks of the Broughton Archipelago. Studies should be conducted to determine whether a recovery plan is necessary.</p>
<p>Pink salmon East Pacific: British Columbia North-Central Coast and Haida Gwaii Canada</p> 		<p>Certified</p>	<p>B</p>	<p> This fishery is not believed to pose a high environmental risk.*</p> <p> The live release discard policy in place in this fishery is not being followed by all commercial fishermen: there is significant mortality of non-target chum and other bycatch stocks. A more robust bycatch monitoring program for Nass and Skeena chum is required.</p>
<p>Pink salmon East Pacific, Cook Inlet, Alaska United States</p> 		<p>Certified</p>	<p>A</p>	<p> This fishery is not believed to pose a high environmental risk.*</p>
<p>Pink salmon East Pacific: Norton Sound Alaska United States</p> 		<p>Certified</p>	<p>B</p>	<p> This fishery is not believed to pose a high environmental risk.*</p>
<p>Pink salmon East Pacific: Southeast Alaska United States</p> 		<p>Certified</p>	<p>A</p>	<p> There is bycatch of Canadian sockeye stocks in this fishery that includes some stocks of regulatory concern.</p>


 Gillnets


 Midwater trawl


 Pots & traps


 Hook & lines


 Bottom trawls


 Long lines


 Dredge


 Seine nets


 Rake/hand-gathered


 Purse seine


 Pole & line


 Gillnets


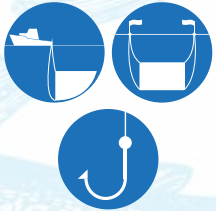









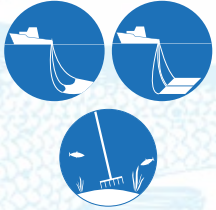




 Bycatch






 Protected, endangered & threatened (PET) species













 Wider food web

 Benthic habitat


















 General notes






Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Pink salmon East Pacific: Westward Alaska United States</p> 		<p>Certified</p>	<p>B</p>	<p> This fishery is not believed to pose a high environmental risk.*</p>
<p>Pollack Celtic Sea and West of Scotland European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p> <p> Midwater trawls do not impact the benthic habitat.</p>
<p>Pouting Stock units undefined European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.* See footnote 1.</p>
<p>Queen scallop Irish Sea and off Northern Ireland European Union</p> 		<p>FIP (No rating)</p>	<p>C</p>	<p> Fishing gears may have biological impacts and physical effects on the ecosystem which depends on the type of habitat used by queen scallops – sand, sandy gravel and mud, maerl or mussel beds. Trawling is expected to cause less damage to the benthic ecosystem than dredging.</p>
<p>Raja rays Irish Sea, Bristol Channel, Western English Channel and NW Scotland European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> The fishery is not believed to pose a high environmental risk. However, very little to nothing is known about this fishery’s impacts. There is a Seafish skate & ray working group and UK retailers follow their recommendations regarding responsible sourcing of particular species. See footnote 7.</p>











 Bycatch
 Protected, endangered & threatened (PET) species
 Wider food web
 Benthic habitat
 General notes

 Gillnets
 Midwater trawl
 Pots & traps
 Hook & lines
 Bottom trawls
 Long lines
 Dredge
 Seine nets
 Rake/hand-gathered
 Purse seine
 Pole & line
 Gillnets


































*Please refer to the FishSource website for further information: www.fishsource.org







Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Raja rays (multispecies) North Sea and Eastern English Channel European Union</p> 	 	<p>Not Certified or in a FIP</p>	<p>C</p>	<p> The fishery is not believed to pose a high environmental risk. However, very little to nothing is known about this fishery's impacts. There is a Seafish skate & ray working group and UK retailers follow their recommendations regarding responsible sourcing of particular species. See footnote 7.</p>
<p>Saithe North Sea European Union</p> 		<p>Not Certified or in a FIP</p>	<p>B</p>	<p> Incidental bycatch of marine mammals is rare in the saithe fishery.</p> <p> Bottom trawls impact the benthic habitat, but North Sea saithe fisheries are known to have less impact on the seafloor than most other bottom trawl fisheries.</p>
<p>Saithe North-East Atlantic European Union</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<p> Insufficient information available on this fishery.*</p> <p> Bottom trawls impact the benthic habitat.</p>
<p>Shallow-water Cape hake South African stock South Africa</p> 		<p>Certified</p>	<p>A</p>	<p> Bycatch makes up around 20% of total catches in the hake trawl fisheries. Mitigation measures have been implemented in the fishery to reduce seabird bycatch.</p> <p> No PET species are deemed significantly affected by the fishery, though there have some concerns over the interaction with some species of seabirds. Vulnerable species of sharks and skates are also taken.</p> <p> Bottom trawls impact the benthic habitat. Research on impacts is on-going, and marine protected areas (MPAs) designed to protect all substrate types are being established.</p>







 Bycatch
  Protected, endangered & threatened (PET) species
  Wider food web
  Benthic habitat
  General notes






 Gillnets
  Midwater trawl
  Hook & lines
  Bottom trawls
  Long lines
  Dredge
  Seine nets
  Rake/hand-gathered
  Purse seine
  Pole & line

*Please refer to the FishSource website for further information: www.fishsource.org












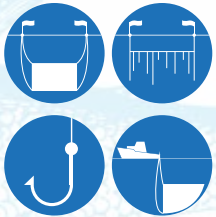






Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
Short-finned eel New Zealand and South East Australia New Zealand 		Not Certified or in a FIP		<ul style="list-style-type: none">  Different areas of Lake Ellesmere are closed to the commercial eel fishery.  PET species are not considered to be impacted by this fishery.  The benthic habitat is not considered to be impacted by this fishery.
Skipjack tuna Eastern Atlantic Spain; International Waters Atlantic  		Not Certified or in a FIP		<ul style="list-style-type: none">  See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the benthic habitat.
Skipjack tuna Eastern Atlantic Senegal, International Waters: Atlantic  		Not Certified or in a FIP		<ul style="list-style-type: none">  See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the benthic habitat.
Skipjack tuna Eastern Pacific Ecuador, International waters, Atlantic  		Not Certified or in a FIP		<ul style="list-style-type: none">  See footnote 8.  There is bycatch of a range of species, but inadequate data on levels and rates for sensitive species in this fishery.  There is no impact on the benthic habitat.
Skipjack tuna Indian ocean International waters, Indian Ocean 		Not Certified or in a FIP		<ul style="list-style-type: none">  See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the benthic habitat.






 Gillnets
 Pots & traps
 Bottom trawls
 Dredge
 Rake/hand-gathered
 Pole & line







 Midwater trawl
 Hook & lines
 Long lines
 Seine nets
 Purse seine
 Gillnets






 Bycatch
 Protected, endangered & threatened (PET) species
 Wider food web
 Benthic habitat
 General notes

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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Skipjack tuna Indian Ocean Sri Lanka; International Waters: Indian Ocean</p> 		<p>Not Certified or in a FIP</p>	<p>B</p>	<ul style="list-style-type: none">  See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the benthic habitat.
<p>Skipjack tuna Indian Ocean Indonesia; International Waters: Indian Ocean</p> 		<p>FIP (A)</p>	<p>B</p>	<ul style="list-style-type: none">  See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the benthic habitat.
<p>Skipjack tuna Western and Central Pacific Indonesia, International waters, Western and Central Pacific</p> 		<p>FIP (E)</p>	<p>B</p>	<ul style="list-style-type: none">  See footnote 8.
<p>Skipjack tuna Western Atlantic Brazil; International Waters: Western Atlantic</p> 		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  See footnote 8.  Bycatch of PET species is known to be very low in fisheries using this gear so monitoring has not generally been employed.  There is no impact on the benthic habitat.

















 Gillnets
  Pots & traps
  Dredge
  Rake/hand-gathered
  Pole & line

 Midwater trawl
  Hook & lines
  Bottom trawls
  Seine nets
  Purse seine
  Gillnets






















 Bycatch
  Protected, endangered & threatened (PET) species
  Wider food web
  Benthic habitat
  General notes













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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Snappers Stock units undefined Sri Lanka</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<p> Insufficient information available on this fishery.*</p>
<p>Sockeye salmon East Pacific, Alaska United States</p> 	  	<p>Certified</p>	<p>C</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>
<p>Sockeye salmon West Pacific, Ozernaya River Russia</p> 	 	<p>Certified</p>	<p>B</p>	<p> Insufficient information available on this fishery. However, the fishery is not believed to pose a high environmental risk.*</p>
<p>Surmullet NE Atlantic Southern stock European Union</p> 		<p>Not Certified or in a FIP</p>	<p>N/A</p>	<p> Insufficient information available on this fishery.*</p> <p> Bottom trawls impact the benthic habitat.</p>
<p>Swordfish Indian Ocean Sri Lanka</p> 	 	<p>Not Certified or in a FIP</p>	<p>C</p>	<p> There is documentation of problematic bycatch of vulnerable species groups in Sri Lanka gillnet and pelagic longline fisheries.</p>

-  Bycatch
-  Protected, endangered & threatened (PET) species
-  Gillnets
-  Midwater trawl
-  Pots & traps
-  Hook & lines
-  Bottom trawls
-  Long lines
-  Dredge
-  Seine nets
-  Purse seine
-  Rake/hand-gathered
-  Benthic habitat
-  Pole & line
-  Gillnets
-  General notes


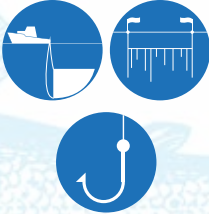













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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
<p>Whiting North Sea and Eastern English Channel European Union</p> 		<p>Not Certified or in a FIP</p>	<p>B</p>	<ul style="list-style-type: none">  Bycatch data could be improved for all fleets. Efforts are continuing in North Sea states with assessing bycatch, developing alternative mitigation methods and developing frameworks for determining safe bycatch limits and protecting relevant habitats.  Bottom trawls impact on the benthic habitat.
<p>Yellowfin tuna Atlantic Suriname, International Waters, Atlantic</p>  		<p>Not Certified or in a FIP</p>	<p>B</p>	<ul style="list-style-type: none">  See footnote 8.  Longlines have the potential to accidentally catch turtles, sharks, seabirds and other non-target species. There is limited data available on levels and rates of bycatch of sensitive species groups in this fishery.  There is no impact on the seabed.
<p>Yellowfin tuna Indian Ocean Sri Lanka, International waters, Indian Ocean</p>  		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  See footnote 8.  Limited data available on levels and rates of bycatch of sensitive species groups in this fishery. Overall there is insufficient information available on this fishery.*
<p>Yellowfin tuna Indian Ocean Maldives; International Waters: Indian Ocean</p>  		<p>Not Certified or in a FIP</p>	<p>C</p>	<ul style="list-style-type: none">  See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the seabed.

-  Gillnets
-  Midwater trawl
-  Pots & traps
-  Hook & lines
-  Bottom trawls
-  Long lines
-  Dredge
-  Seine nets
-  Rake/hand-gathered
-  Purse seine
-  Pole & line
-  Gillnets

-  Bycatch
-  Protected, endangered & threatened (PET) species
-  Wider food web
-  Benthic habitat
-  General notes

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Fishery name and location	Fishing gear used	Certification or FIP	Category	Environmental notes
Yellowfin tuna Indian Ocean Indonesia, International waters, Indian Ocean 		FIP (B)	C	 See footnote 8.  Bycatch of seabirds, sea turtles, marine mammals and sharks in pelagic longline tuna fisheries threatens some populations with extinction.  Longlines have the potential to incidentally capture vulnerable species including seabirds and sea turtles. Bycatch of seabirds, sea turtles, marine mammals and sharks in pelagic longline tuna fisheries threatens some populations with extinction. The Indian Ocean Tuna Commission (IOTC) has implemented several management measures addressing these incidental captures.
Yellowfin tuna Western and Central Pacific Philippines, International waters, Western and Central Pacific 		Not Certified or in a FIP	B	 See footnote 8.  Bycatch is usually low with hook and lines.  There is no impact on the benthic habitat.
Yellowfin tuna Western and Central Pacific Korea, International waters, Western and Central Pacific 		Not Certified or in a FIP	B	 See footnote 8.  There is a limited data available on levels and rates of bycatch of sensitive species groups in this fishery. Best practices for bycatch reduction for many species (i.e. sea turtles and sharks) have not been adopted.  Longlines have the potential to incidentally capture vulnerable species including seabirds and sea turtles.

*Please refer to the FishSource website for further information: www.fishsource.org

Footnote 1: Morrisons has worked with fisher organisations, suppliers and Seafish in the development of an ecological risk assessment. Find out more: <http://www.seafish.org/about-seafish/news-and-events/news/seafish-publish-ecological-risk-assessment-to-support-south-west-fisheries-management>

Footnote 2: Morrisons works closely with its suppliers to ensure that while the fishery is coastal, the product sourced is not from the sensitive coastal waters but further offshore.

Footnote 3: Morrisons has started an improvement project with fellow retailers to address the challenges and data deficiency in this fishery.













Footnote 4: Morrisons is aware of the challenges within this fishery. It works closely with the suppliers to ensure the product it sources from the shrimp fishery is mature and above weight requirement.

Footnote 5: Morrisons is active in the Thai Shrimp Task Force which is supporting the Thai industry and Government to address issues of illegal fishing and poor fisheries management.

Footnote 6: Funding has been provided to a Bangor University PhD project which allowed assessment of the seabed impacts of the fishing method.

Footnote 7: Morrisons is a partner in the Shark By-Watch UK 2 project, and works with the North Devon Fisherman's Association to investigate survivability of rays if catches exceed quota and to better understand the structure of local ray stocks.

Footnote 8: Morrisons has a firm commitment that all of its tuna supplying vessels are registered on the ISSF Proactive Vessel Register (PVR) which independently verifies that the fishing practices of the boat meets the regional fishery requirements.

-  Gillnets
-  Midwater trawl
-  Pots & traps
-  Hook & lines
-  Bottom trawls
-  Long lines
-  Dredge
-  Seine nets
-  Rake/hand-gathered
-  Purse seine
-  Pole & line
-  Gillnets

-  Bycatch
-  Protected, endangered & threatened (PET) species
-  Wider food web
-  Benthic habitat
-  General notes