

**How ODP Works** 

What's Included?

About Us News



## Asda

ASDA was founded in 1965 through the merger of the Asquith family grocery business with the Associated Dairies company and its name is derived from this merger. In October 2020, ASDA was acquired from Walmart by the Issa brothers and TDR Capital.

Headquartered in Leeds, ASDA is the UK's third-largest supermarket by market share, employing more than 140,000 colleagues and serving over 18m customers every week in its 633 stores and online via <u>www.ASDA.com</u> Asda is a major seafood retailer selling fresh, frozen and chilled seafood.

				2022
Number of wild caught species used	% volume from certified fisheries	% volume from a FIP	Number of farmed species used	% volume from certified farms
33	54	38	10	96.3
		Production Methods Used	I	
<ul><li>Midwater trawl</li><li>Bottom trawl</li></ul>	<ul><li> Purse seine</li><li> Seine nets</li></ul>	<ul><li>Hook and line</li><li>Longlines</li></ul>	<ul><li>Pots and traps</li><li>Miscellaneous</li></ul>	• Farmed

	Gillnets and entangling	Handlines and pole-
	nets	lines
Summary		

Asda is committed to providing safe, affordable and sustainable seafood to its customers and has a public seafood policy outlining its approach. Asda has been working in partnership with Sustainable Fisheries Partnership (SFP) since 2011 to better understand the risks within its seafood supply chain, and has pledged to make sure that all fisheries and farmed sources identified as needing improvements take appropriate action. Asda is actively supportive of Fishery Improvement Projects (FIPs).

Asda was the first supermarket to publicly disclose its wild-caught and farmed seafood sourcing data in collaboration with SFP through the Ocean Disclosure Project. This profile covers wild-caught and farmed seafood sourced for Asda's own-brand seafood in 2021.

Asda was also the first company to participate in SFP's bycatch audit program, using sourcing information from its ODP profile published in 2020 to assess the risk to endangered, threatened, and protected species from the fisheries that supply its seafood, and identify the changes needed in those fisheries to reduce their impacts on ocean wildlife. The results of the bycatch audit are available here: <u>Bycatch Audit of Asda's Wild Supply</u> <u>Chain</u> and Asda's response is available here: <u>Asda's Response to the ETP Bycatch Report</u>.

Asda is committed to publishing data regarding vessels that catch seafood for the business where this is practicable and not commercially confidential. Information regarding vessels that catch cod, haddock and tuna for Asda is available here: <u>Asda 2022 Vessel List</u>.

- Marcon Ma
- https://www.asda.com/environment/farming-nature#SustainableSeafood
- <u>https://www.asda.com/environment/downloads</u>

# **Associated Fisheries**



Map data ©2023

Species and Location	Production Methods	Certification or Improvement Project	Sustainability Ratings	Notes
<b>EVALUATE:</b> <b>Alaska pollock</b> <i>Theragra</i> <i>chalcogramma</i> <b>Aleutian Islands, E</b> <b>Bering Sea, Gulf of</b> <b>Alaska</b>	Midwater trawl	Certified	<b>FishSource</b> Well Managed	~
<b>Fishery countries:</b> United States			<b>Seafood Watch</b> Eco-Certification Recommended	

**Good Fish Guide** Best Choice 1

Ocean Wise Recommended

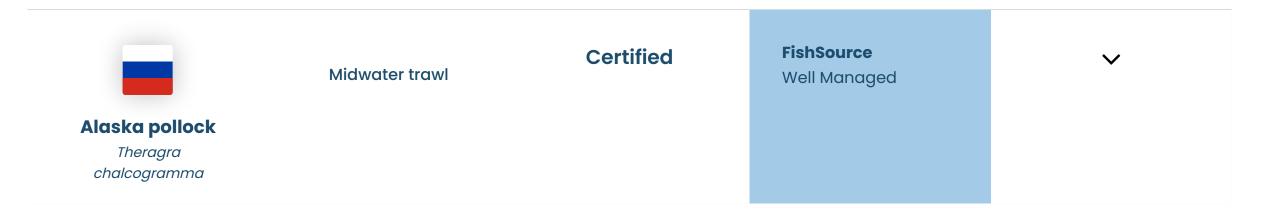
NOAA FSSI 4

### **Environmental Notes**

- This fishery is unlikely to have direct impacts on ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.



#### Sea of Okhotsk

Fishery countries:

Russia

### **Seafood Watch** Eco-Certification Recommended

**Good Fish Guide** Best Choice 1

Ocean Wise Recommended

- This fishery is unlikely to have direct impacts on ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.



**Good Fish Guide** Avoid 5

Ocean Wise Not recommended

### **Environmental Notes**

- The risk to the critically endangered North Atlantic right whale of entanglement in lobster gear is a serious concern.
- Bycatch for this fishery is considered low.
- Lobster pots are unlikely to have a significant impact on the sea bed.

### **General Notes**

• The FIP was reported as inactive in May 2022 (after the sourcing period).

#### References

Fishery Progress, Canada Newfoundland and Labrador lobster - pot/trap

Seafood Watch, 2018, Canada American Lobster Seafood Watch Report

FishSource Managed

Anchoveta				
Engraulis ringens Peruvian Northern- Central Artisanal	Purse seine	FIP	<b>Good Fish Guide</b> Think 3	~
<b>Fishery countries:</b> Peru				

### **Environmental Notes**

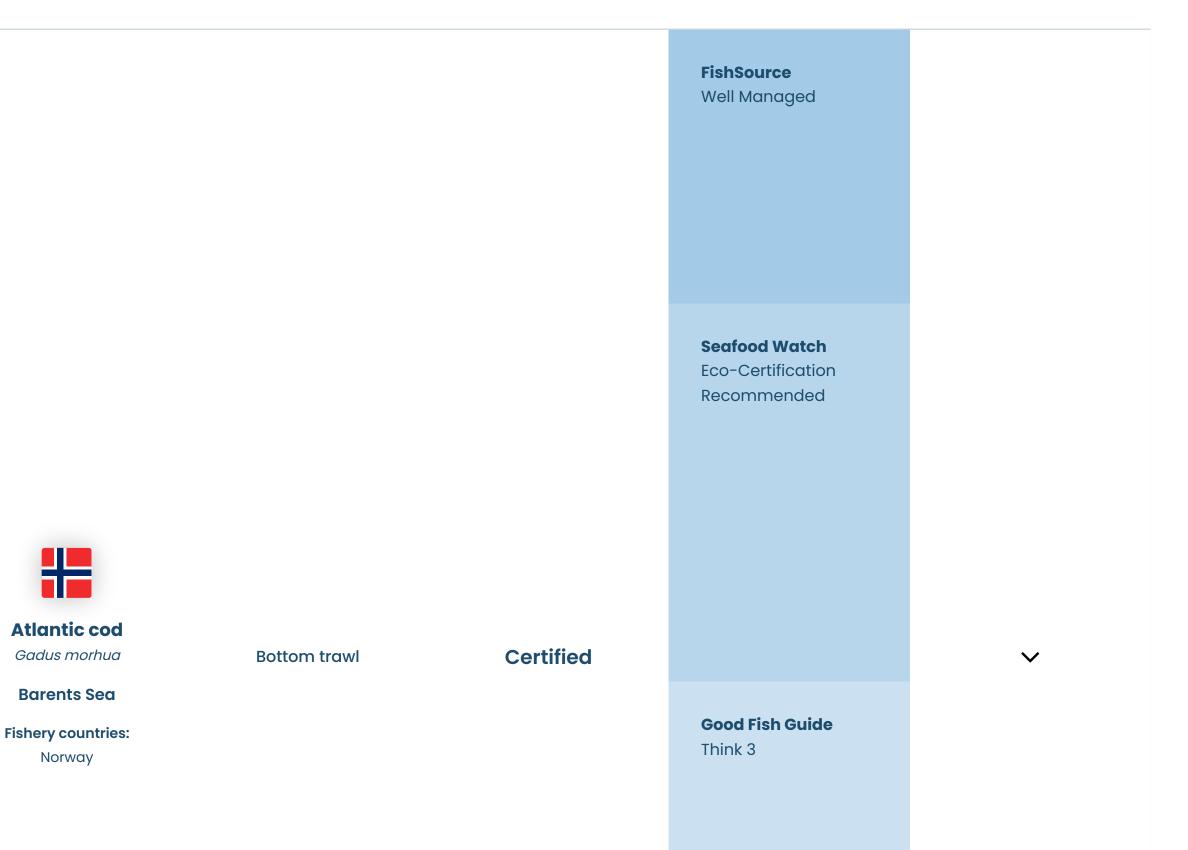
- The fishery interacts with seabirds and marine mammals. Indirect impacts on ETP may also occur through impacts on food availability. Findings from the FIP suggest the fishery is unlikely to hinder the recovery of ETP species.
- Bycatch for this fishery is considered low. Main bycatch species are recorded by the FIP.
- This fishery is unlikely to have a significant impact on the sea bed. Observer data gathered by the FIP showed no evidence of the fishery interacting with the sea bed.

### **General Notes**

• This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

Fishery Progress, Peruvian anchovy - small scale purse-seine





### **Environmental Notes**

• There are significant concerns about the cumulative impacts of the Barents Sea fishery upon the endangered species, golden redfish.

- There is bycatch for this fishery but non-target species are retained. Management measures are in place to reduce impacts on retained species.
- Bottom trawls will directly impact on the sea bed. Management measures are in place to limit impacts on benthic habitats.

### **General Notes**

• No additional notes.

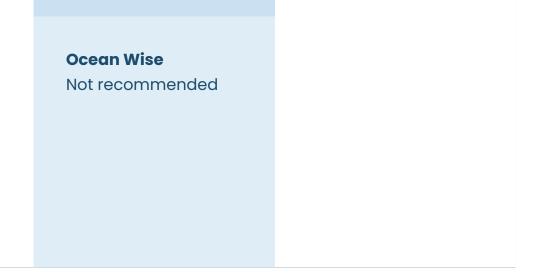




Atlantic cod Gadus morhua

**Barents Sea** 

Fishery countries: Norway Hook and line



### **Environmental Notes**

- There are significant concerns about the cumulative impacts of the Barents Sea fishery upon the endangered species, golden redfish, but most of the catch is taken by bottom trawls.
- There is bycatch for this fishery but non-target species are retained. Management measures are in place to reduce impacts on retained species.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

FishSource Well Managed

**Seafood Watch** Eco-Certification Recommended



#### Atlantic cod Gadus morhua

**Barents Sea** 

#### **Fishery countries:**

Russia

Bottom trawl

Certified

**Good Fish Guide** Think 3  $\checkmark$ 

Ocean Wise Recommended

### **Environmental Notes**

- There are significant concerns about the cumulative impacts of the Barents Sea fishery upon the endangered species, golden redfish.
- There is bycatch for this fishery but non-target species are retained. Management measures are in place to reduce impacts on retained species.
- Bottom trawls will directly impact on the sea bed. Management measures are in place to limit impacts on benthic habitats.

### **General Notes**

• No additional notes.

FishSource Well Managed

**Seafood Watch** Eco-Certification Recommended



Atlantic cod Gadus morhua

**Barents Sea** 

Fishery countries: Russia Longlines

Certified

**Good Fish Guide** Best Choice 2  $\checkmark$ 

Ocean Wise Recommended

### **Environmental Notes**

- There are significant concerns about the cumulative impacts of the Barents Sea fishery upon the endangered species, golden redfish, but most of the catch is taken by bottom trawls.
- There is bycatch for this fishery but non-target species are retained. Management measures are in place to reduce impacts on retained species.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• No additional notes.

FishSource Well Managed

**Seafood Watch** Eco-Certification Recommended



Atlantic cod Gadus morhua

Icelandic

Fishery countries: Iceland Bottom trawl Gillnets and entangling nets Longlines

Certified

**Good Fish Guide** Best Choice 2  $\checkmark$ 

Ocean Wise Recommended

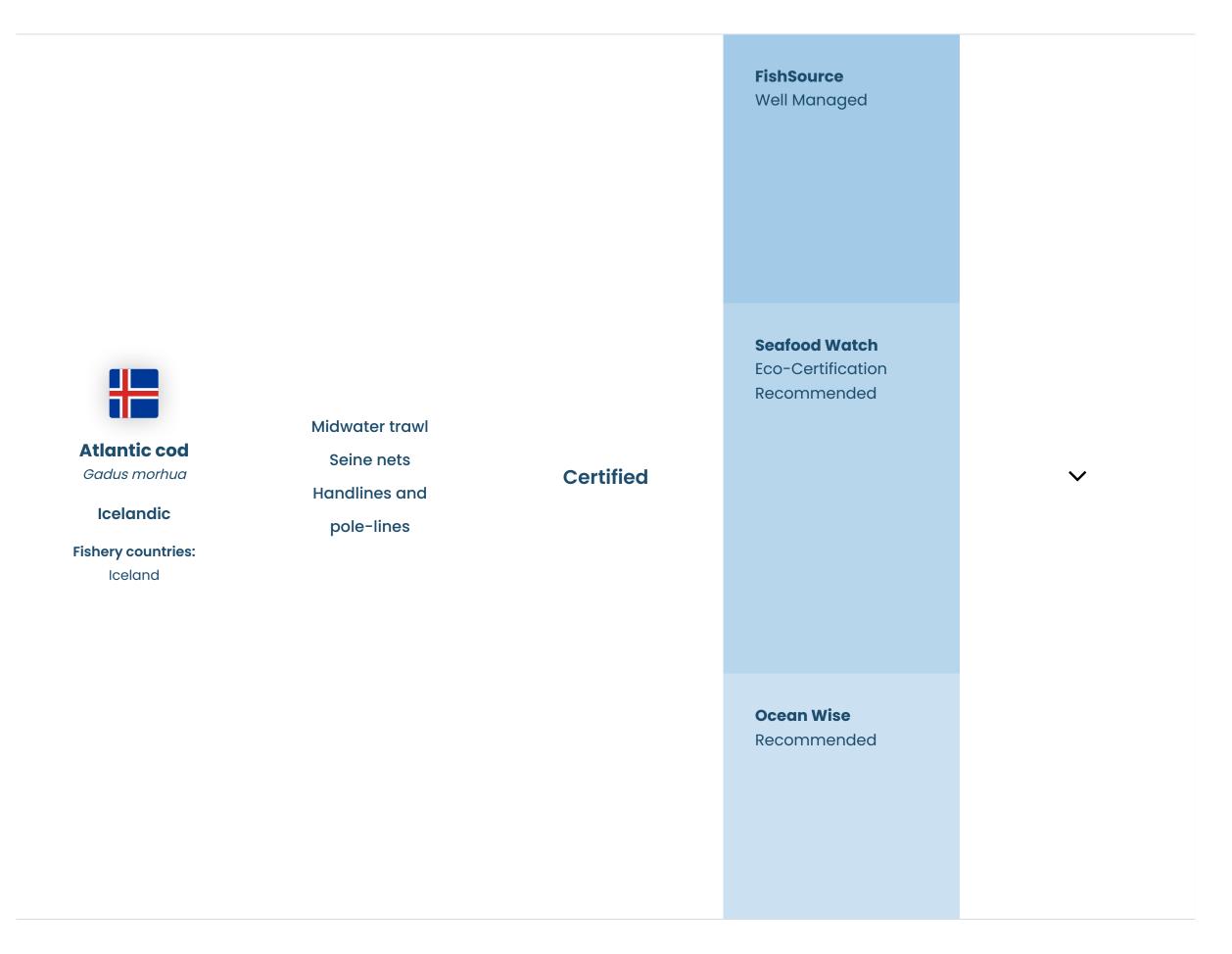
### **Environmental Notes**

- Measures to record and reduce bycatch of marine mammals and sea birds in the gillnet and longline component of the fishery are needed.
- There is bycatch for this fishery but non-target species are retained. Management measures are in place to reduce impacts on retained species.
- The impact depends on the gear type. Bottom trawls will have the greatest impact on the sea bed. However, the fishery operates at a depth where it is unlikely to impact vulnerable marine ecosystems.

### **General Notes**

#### References

Good Fish Guide - Atlantic cod, Iceland, Bottom trawl (otter), Marine Stewardship Council (MSC)



- This fishery is unlikely to have direct impacts on ETP species.
- There is bycatch for this fishery but non-target species are retained. Management measures are in place to reduce impacts on retained species.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

Vottunarstofan Tún ehf, April 2017, Public Certification Report ISF Iceland Cod Fishery



- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• No additional notes.

	Midwater trawl	Certified	<b>FishSource</b> Well Managed	~
Atlantic herring Clupea harengus				
North Sea autumn spawners				
Fishery countries: United Kingdom				
			<b>Seafood Watch</b> Eco-Certification Recommended	

**Good Fish Guide** Best Choice 2

Ocean Wise Recommended

- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• No additional notes.



### Atlantic mackerel Scomber scombrus

**NE Atlantic** 

#### Fishery countries: United Kingdom

Midwater trawl

**FIP** 

FishSource Needs Improvement

**Good Fish Guide** Best Choice 2

 $\checkmark$ 

**Ocean Wise** Not recommended

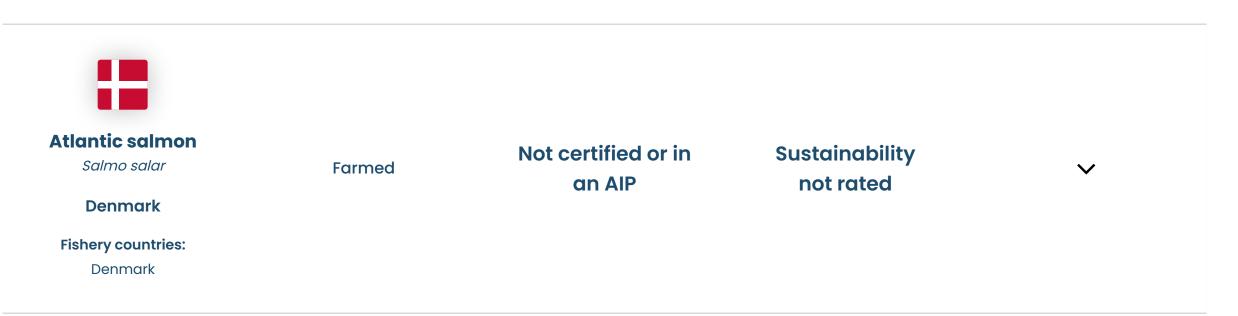
### **Environmental Notes**

- This fishery is unlikely to have direct impacts on ETP species but mackerel plays an important role in the marine food web so potential impacts on the wider marine ecosystem must be monitored.
- Bycatch in this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

- Certification for this fishery was publicly suspended in March 2019 due to concerns regarding overfishing.
- In response to the suspension of the fishery, a supply chain-led initiative called the North Atlantic Pelagic Advocacy (NAPA) Group was
  formed by retailers and processors in the UK, and has since expanded to include European retailers and processors. NAPA aims to develop a
  shared solution to sustainability issues in the North East Atlantic fisheries for mackerel, herring and blue whiting, and is seeking a formal
  agreement on catch limits for North East Atlantic Pelagic fisheries that reflects the scientific advice.
- The fishery is now in an active FIP.

#### References



• Profile not yet complete.

### **General Notes**

• No additional notes.

	Image: Constraint of the second se	Farmed	Not certified or in an AIP	Sustainability not rated	~
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### **Environmental Notes**

• Profile not yet complete.

### **General Notes**

• No additional notes.





**FishSource** 

 $\checkmark$ 



#### Farmed

Managed

### **Atlantic salmon**

Salmo salar

#### Norway

Fishery countries:

Norway

**Good Fish Guide** Think 3

- Salmon production relies on wild capture fisheries for feed. The sustainability of fisheries supplying fishmeal and fish oil varies.
- There are concerns about the impact of farmed salmon escapes and disease outbreaks on wild salmonids. Escapes are a critical conservation concern in Production Areas 3, 4, 8, 9, 10 and 11. In addition, concerns have been expressed about the impact on wild wrasse populations used as cleaner fish to control sea lice.
- Impacts on water quality are localized, but there is potential for cumulative impacts in densely farmed areas. Chemical inputs of pesticides used to control sea lice are of particular concern for farmed Norwegian salmon. The use of chemical pesticides has been reduced over the last five years but varies by Production Areas.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- The Norwegian salmon industry has adopted a zonal approach to aquaculture management for licensing and disease management through the use of 13 Production Areas nationwide.

#### References

FishSource - salmon, Norway

Good Fish Guide - Salmon, Atlantic (Farmed), Scotland, Norway and Faroe Islands, GlobalG.A.P. certification

Seafood Watch report for farmed salmon, Norway



**Good Fish Guide** Think 3

#### Ocean Wise Not recommended

- Salmon production relies on wild capture fisheries for feed. The sustainability of fisheries supplying fishmeal and fish oil varies.
- There are concerns about the impact of farmed salmon escapes and disease outbreaks on wild salmonids. In addition, concerns have been expressed about the impact on wild wrasse populations used as cleaner fish to control sea lice.
- Impacts on water quality are localized, but there is potential for cumulative impacts in densely farmed areas. Chemical inputs of pesticides used to control sea lice are of particular concern for farmed Norwegian salmon. The use of chemical pesticides has been reduced over the last five years but varies by Production Areas.

### **General Notes**

- The Norwegian salmon industry has adopted a zonal approach to aquaculture management for licensing and disease management through the use of 13 Production Areas nationwide.
- The Seafood Watch recommendation for Atlantic salmon farmed in marine net pens in Norway's Production Areas 1, 12 and 13 is 'Good Alternative'. The recommendation for Areas 2 to 11 is 'Avoid'.

#### **References:**

FishSource - salmon, Norway

Good Fish Guide - Salmon, Atlantic (Farmed), Norway

Seafood Watch report for farmed salmon, Norway





United Kingdom

### **Environmental Notes**

- Salmon production relies on wild capture fisheries for feed. The sustainability of fisheries supplying fishmeal and fish oil varies.
- There are concerns about the impact of farmed salmon escapes and disease outbreaks on wild salmonids. In addition, concerns have been expressed about the impact on wild wrasse populations used as cleaner fish to control sea lice.
- Impacts on water quality are localized, but there is potential for cumulative impacts in densely farmed areas. Chemical inputs of pesticides used to control sea lice are of particular concern for farmed Scottish salmon. The use of chemical pesticides has declined over the last decade but varies by region.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

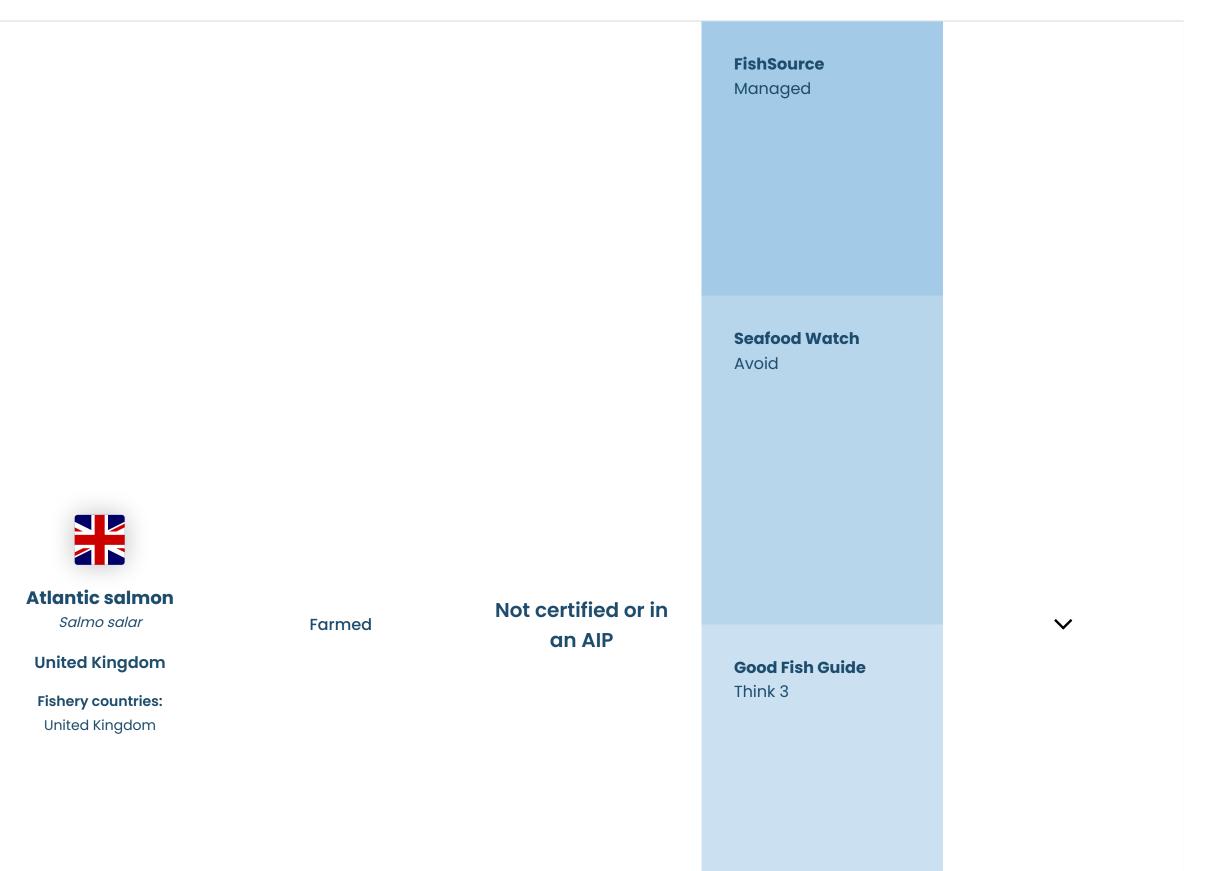
• The industry follows a zonal approach to aquaculture management with respect to planning, siting, licensing, and operation.

#### **References:**

FishSource - salmon, United Kingdom

Good Fish Guide - Salmon, Atlantic (Farmed), Scotland, Norway and Faroe Islands, GlobalG.A.P. certification

Seafood Watch report for farmed salmon, Scotland





### **Environmental Notes**

- Salmon production relies on wild capture fisheries for feed. The sustainability of fisheries supplying fishmeal and fish oil varies.
- There are concerns about the impact of farmed salmon escapes and disease outbreaks on wild salmonids. In addition, concerns have been expressed about the impact on wild wrasse populations used as cleaner fish to control sea lice.
- Impacts on water quality are localized, but there is potential for cumulative impacts in densely farmed areas. Chemical inputs of pesticides used to control sea lice are of particular concern for farmed Scottish salmon. The use of chemical pesticides has declined over the last decade but varies by region.

#### **General Notes**

- This product is certified to a non-GSSI recognised aquaculture certification standard.
- The industry follows a zonal approach to aquaculture management with respect to planning, siting, licensing, and operation.

#### **References:**

FishSource - salmon, United Kingdom

<u>Good Fish Guide - Salmon, Atlantic (Farmed), UK, Scotland</u>

Seafood Watch report for farmed salmon, Scotland

			<b>FishSource</b> Needs Improvement	
<b>Banana prawn</b> Penaeus merguiensis	Gillnets and	FIP		$\checkmark$
Indonesia	entangling nets			
Fishery countries: Indonesia				

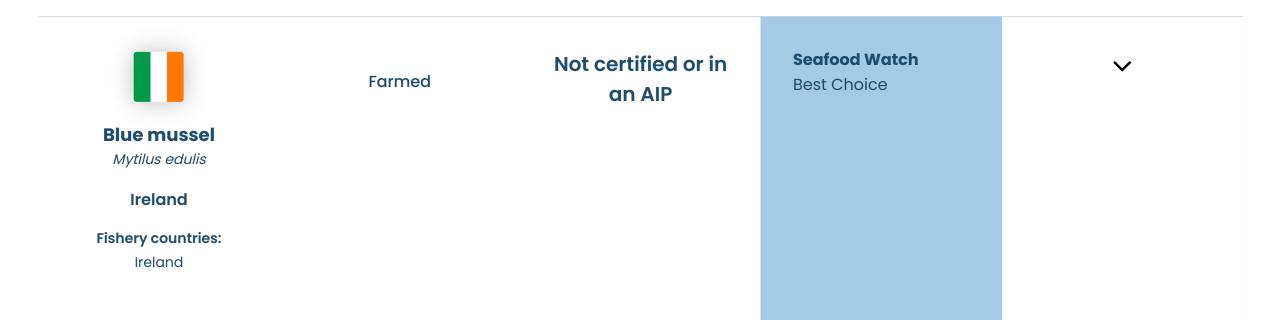
### **Environmental Notes**

• There is a lack of data regarding impacts for this gear type.

### **General Notes**

#### References

Fishery Progress, Indonesia Central Java white prawn - trammel net and trap



**Good Fish Guide** Best Choice 1

Ocean Wise Recommended

- No feed inputs are used to support farmed mussels.
- The larval phase of mussels may be transported away from farm sites. The spread of non-native mussels and unintentionally introduced species beyond their natural range may be a cause for concern.
- There is no concern regarding pollution from nutrients or organic matter. No feed or nutrient fertilization inputs are used to support farmed mussels, and water quality has been shown to improve at farmed mussel sites.

### **General Notes**

#### References

Good Fish Guide - Blue mussel (Farmed), UK and Ireland (Republic of), Suspended Rope Culture and Bottom Culture

Seafood Watch report for farmed mussels, worldwide

	Miscellaneous	Certified	<b>FishSource</b> Well Managed	$\checkmark$
<b>Blue mussel</b> Mytilus edulis				
Limfjord				
<b>Fishery countries:</b> Denmark				
			<b>Seafood Watch</b> Eco-Certification Recommended	

**Good Fish Guide** Best Choice 1

Ocean Wise Recommended

- This fishery is unlikely to impact ETP species.
- Bycatch is not a risk for this fishery.
- This fishery is highly unlikely to adversely affect the sea bed.

### **General Notes**

• No additional notes.



### **Environmental Notes**

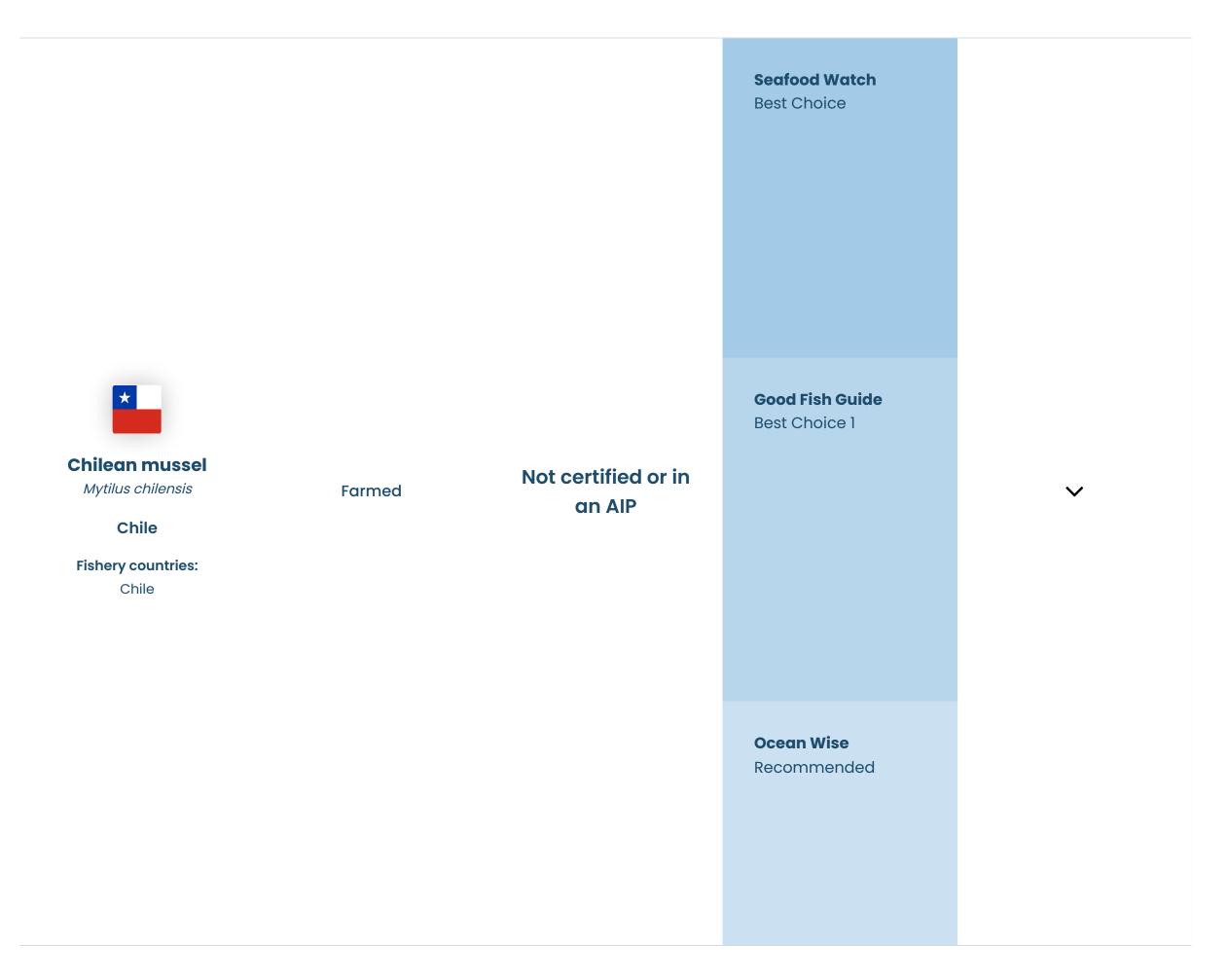
- No feed inputs are used to support farmed mussels.
- The larval phase of mussels may be transported away from farm sites. The spread of non-native mussels and unintentionally introduced species beyond their natural range may be a cause for concern.
- There is no concern regarding pollution from nutrients or organic matter. No feed or nutrient fertilization inputs are used to support farmed mussels, and water quality has been shown to improve at farmed mussel sites.

### **General Notes**

#### References

Good Fish Guide - Mussel, Chilean (Farmed)

Seafood Watch Recommendations for Chilean mussels



- No feed inputs are used to support farmed mussels.
- Only naturally occurring spat are used to stock the farm so the transportation of the larval phase of mussels away from farm sites is not a concern.
- There is no concern regarding pollution from nutrients or organic matter. No feed or nutrient fertilization inputs are used to support farmed mussels, and water quality has been shown to improve at farmed mussel sites.

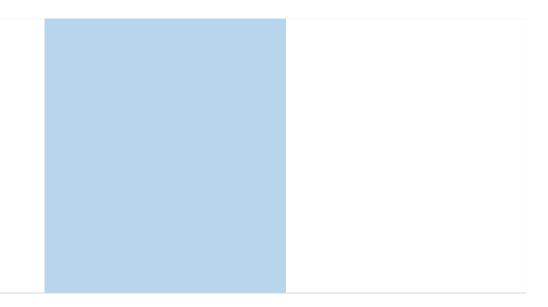
#### **General Notes**

#### References

Good Fish Guide - Mussel, Chilean (Farmed)

Seafood Watch Recommendations for Chilean mussels

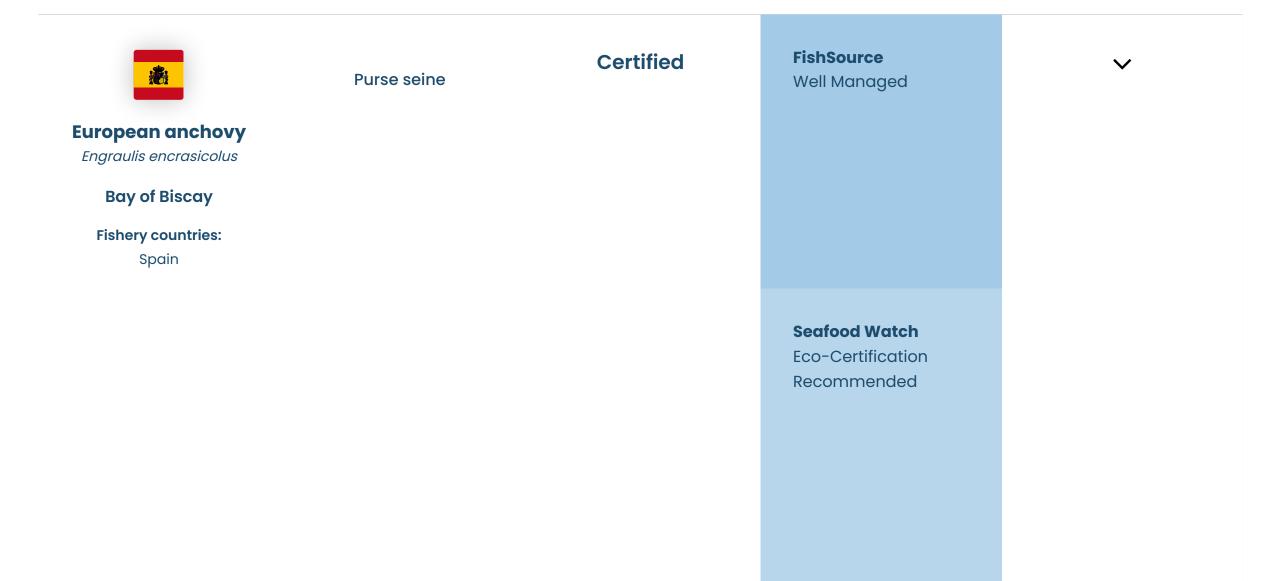
	Pots and traps	Not certified or in a FIP	<b>FishSource</b> Needs Improvement	$\checkmark$
Edible crab				
Cancer pagurus				
Orkney				
Fishery countries:				
United Kingdom				
			<b>Good Fish Guide</b> Think 4	



- There are risks to sea turtles and marine mammals of entanglement in pot ropes with this fishery.
- Bycatch for this fishery is considered low. Non-target species are usually released alive.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• No additional notes.



**Good Fish Guide** Best Choice 2

Ocean Wise Recommended

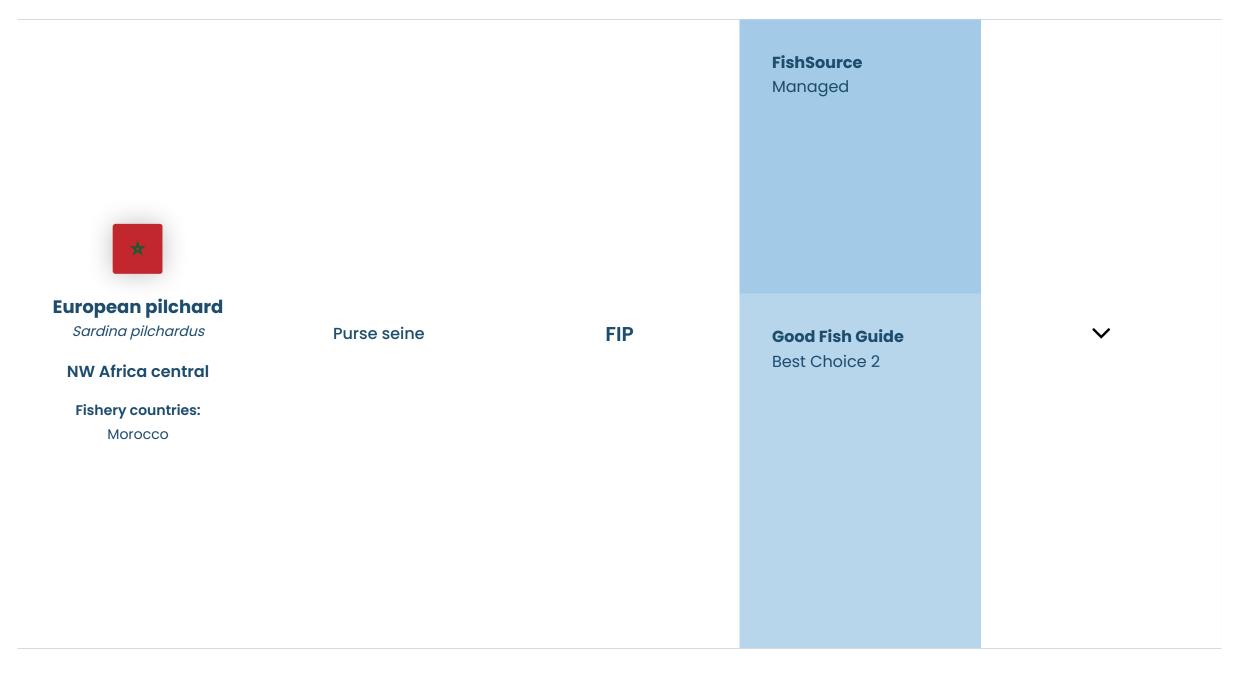
- This fishery is unlikely to impact ETP species.
- Measures are in place to prevent fishing from hindering the recovery and rebuilding of the main bycatch species.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

Bureau Veritas, April 2020, MSC Public Certification Report for Cantabrian Sea Purse Seine Anchovy Fishery



### **Environmental Notes**

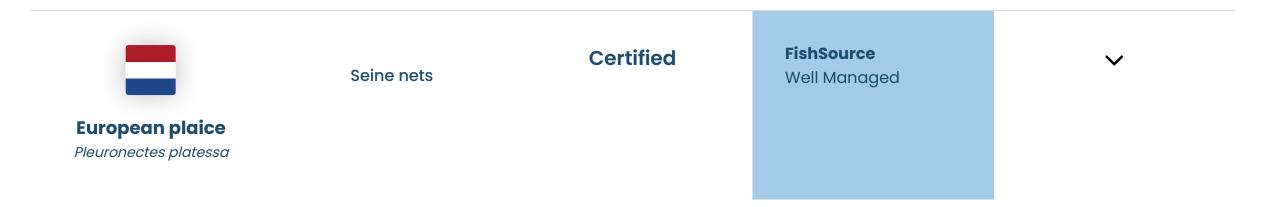
- Available data is still limited, but work is underway in the Moroccan FIP to determine fishery interactions with ETP species. Initial evidence suggests the number of interactions is low.
- Bycatch in this fishery is considered low, but available data is still limited. Work is in progress in the Moroccan FIP to identify and quantify discards.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

- This fishery is covered by the Morocco sardine pelagic trawl and seine FIP.
- This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

Good Fish Guide - Sardine, Northwest Africa: Zone A and B (Central), Net (pelagic trawl; purse seine), Fishery Improvement Project: Stage 5



## North Sea and

Skagerrak

Fishery countries:

Netherlands

**Seafood Watch** Eco-Certification Recommended

**Ocean Wise** Not recommended

### **Environmental Notes**

- This fishery is unlikely to have significant impacts on ETP species.
- Bycatch is a risk for this fishery.
- The impact depends on the gear type. Bottom trawls will directly impact the sea bed.

### **General Notes**

#### References

Control Union, October 2019, Marine Stewardship Council (MSC) Public Certification Report – Principle 2, Joint demersal fisheries in the North Sea and adjacent waters

> **FishSource** Well Managed



**European plaice** *Pleuronectes platessa* 

> North Sea and Skagerrak

Fishery countries: United Kingdom Bottom trawl

FIP

**Good Fish Guide** Best Choice 2  $\checkmark$ 

- Profile not yet complete.
- Profile not yet complete.
- Bottom trawls will directly impact on the sea bed.

### **General Notes**

#### References

FisheryProgress - United Kingdom European plaice & lemon sole - seine/trawl



### **Environmental Notes**

- Seabass require fishmeal and fishoil from marine feed sources in their diet. Concerns about the sustainability of feed inputs are relatively minor though they are not necessarily certified sustainable.
- Escapes are a concern and little is known about the risk of disease transfer to wild species.
- Impacts on water quality are localized and have not been shown to have cumulative impacts beyond the immediate farm site. Chemical inputs are only used for health management and are applied in a controlled manner. Reports indicate responsible use, but there is a lack of

data on the quantity of chemical inputs.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### **References:**

FishSource - seabass/seabream, Turkey

Good Fish Guide - Seabass (Farmed), European Union and Turkey, GlobalG.A.P. certification

Seafood Watch report for farmed European sea bass, Turkey





- Giant tiger prawns are farmed in intensive and extensive systems that may require supplementary inputs of fishmeal and fish oil from marine feed sources.
- Disease is a major cause of mortality on shrimp farms in Indonesia and disease transfer between farmed and wild prawns is a risk. Giant tiger prawns are native to Indonesia, thereby lowering the risk to wild populations from escapes.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. There is a lack of information on water quality and wastewater standards in Indonesia.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- Legislation on zonal planning that is relevant to aquaculture does exist.

#### **References:**

Good Fish Guide - Prawn, Tiger prawns (Farmed), Global Aquaculture Alliance Best Aquaculture Practices (GAA BAP) 4\*

Seafood Watch Recommended Eco-Certifications for Giant tiger prawn

Seafood Watch Report for farmed shrimp, Indonesia



Eco-Certification Recommended

**Good Fish Guide** Think 3

Ocean Wise Not recommended

### **Environmental Notes**

- Giant tiger prawns are farmed in intensive and extensive systems that may require supplementary inputs of fishmeal and fish oil from marine feed sources.
- Disease transfer between farmed and wild prawns is a risk.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- Public information on zonal approaches to planning and production of shrimp farming in Thailand is limited, but there is evidence of shrimp farm zoning.

#### **References:**

<u>Good Fish Guide - Prawn, Tiger prawns (Farmed), Global Aquaculture Alliance Best Aquaculture Practices (GAA BAP) 4\*</u>

Seafood Watch Recommended Eco-Certifications for Giant tiger prawn



**Seafood Watch** Eco-Certification Recommended

**Good Fish Guide** Think 3

Ocean Wise Recommended

### **Environmental Notes**

- Giant tiger prawns are farmed in intensive and extensive systems that may require supplementary inputs of fishmeal and fish oil from marine feed sources.
- Disease transfer between farmed and wild prawns is a concern. Although escapes do occur, giant tiger prawns are native to Vietnam, therefore lowering the risk to wild populations. However, the use of wild-caught juveniles to supply or supplement the stock on some farms
- may present a risk.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. The use of illegal antibiotics is a particular concern.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### **References:**

<u>Good Fish Guide - Prawn, Tiger prawns (Farmed), Global, Aquaculture Stewardship Council (ASC) certification</u>

Seafood Watch Recommended Eco-Certification for Giant tiger prawn

Seafood Watch Report for farmed shrimp, Vietnam

	Farmed	Certified	<b>FishSource</b> Managed	~
<b>Giant tiger prawn</b> Penaeus monodon				
Vietnam				

#### Fishery countries:

Vietnam

### Seafood Watch Eco-Certification

Recommended

**Good Fish Guide** 

Think 3

**Ocean Wise** Not recommended

- Giant tiger prawns are farmed in intensive and extensive systems that may require supplementary inputs of fishmeal and fish oil from marine feed sources.
- Disease transfer between farmed and wild prawns is a concern. Although escapes do occur, giant tiger prawns are native to Vietnam, therefore lowering the risk to wild populations. However, the use of wild-caught juveniles to supply or supplement the stock on some farms may present a risk.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. The use of illegal antibiotics is a particular concern.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### **References:**

Good Fish Guide - Prawn, Tiger prawns (Farmed), Global, Global Aquaculture Alliance Best Aquaculture Practices (GAA BAP) 4\* certification

Seafood Watch Recommended Eco-Certification for Giant tiger prawn

Seafood Watch Report for farmed shrimp, Vietnam



- Bream require fishmeal and fishoil from marine feed sources in their diet. Concerns about the sustainability of feed inputs are relatively minor though they are not necessarily certified sustainable.
- Escapes are a concern and little is known about the risk of disease transfer to wild species.
- Pollution from nutrients and organic matter are a concern with open net pens. But impacts from effluent are localized. Chemical inputs are only used for health management and are applied in a controlled manner. Reports indicate responsible use, but there is a lack of data on the quantity of chemical inputs.

#### **General Notes**

• The environmental impacts described are addressed to some degree by certification

#### **References:**

Good Fish Guide - Bream, Gilthead (Farmed), Europe, GLOBALG.A.P. certification



Certified

FishSource Well Managed

 $\checkmark$ 

#### Haddock

Melanogrammus aeglefinus

#### **Barents Sea**

Fishery countries: Norway

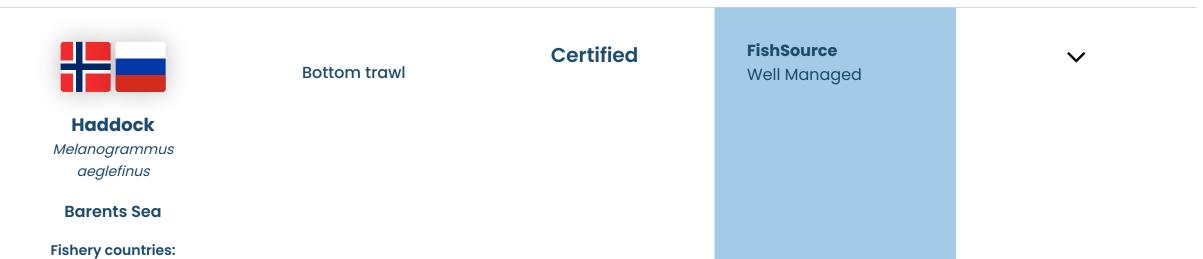
> **Seafood Watch** Eco-Certification Recommended



- There are significant concerns about the cumulative impacts of the Barents Sea fishery upon the endangered species, golden redfish, but most of the catch is taken by bottom trawls.
- Bycatch in this fishery is considered low. With some exceptions, all commercial species caught must be retained, recorded and landed.
- Hook and lines are unlikely to have a significant impact on the sea bed.

### **General Notes**

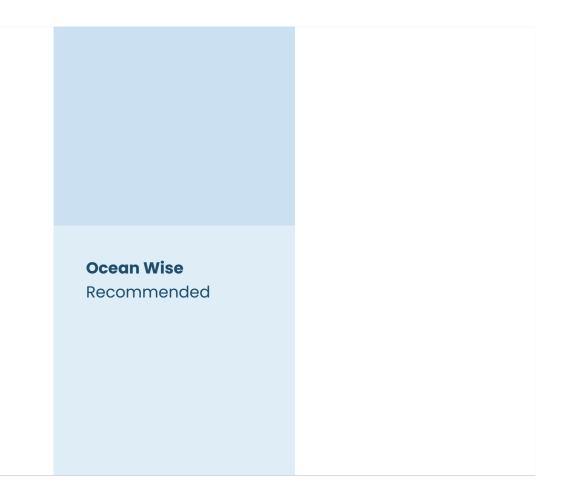
• No additional notes.



Norway, Russia

Seafood Watch **Eco-Certification** Recommended

**Good Fish Guide** Think 3



- There are significant concerns about the cumulative impacts of the Barents Sea fishery upon the endangered species, golden redfish.
- Bycatch in this fishery is considered low. With some exceptions, all commercial species caught must be retained, recorded and landed.
- Bottom trawls will directly impact on the sea bed. Management measures are in place to limit impacts on benthic habitats.

### **General Notes**

• No additional notes.

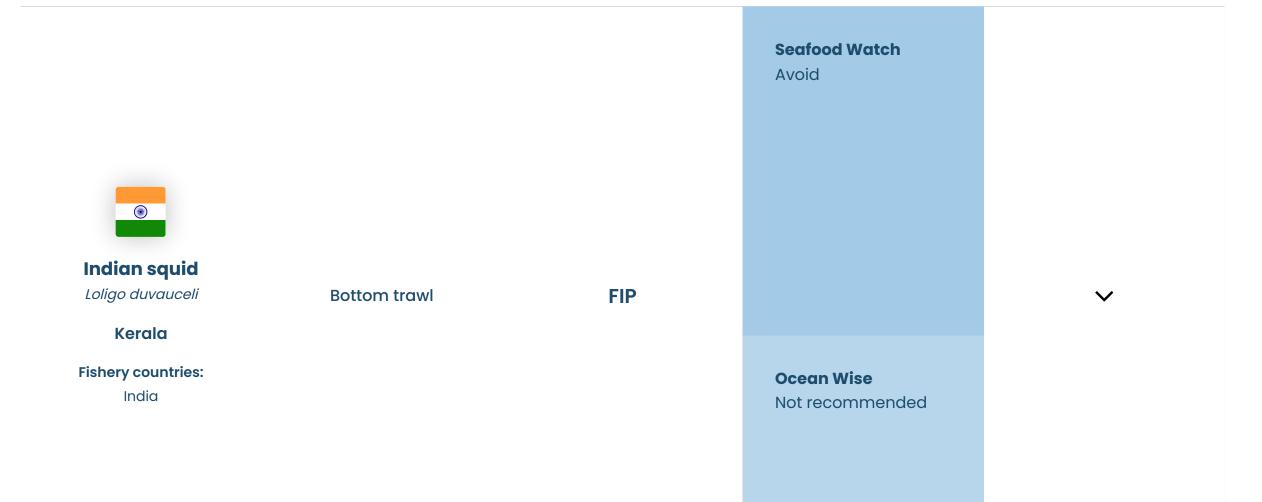


**Good Fish Guide** Best Choice 2

- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- Impacts will vary by gear type. Bottom trawls will directly impact on the sea bed. Measures to protect vulnerable habitats such as cold water coral reefs are in place.

### **General Notes**

• No additional notes.



### **Environmental Notes**

- The impact of the squid fishery on ETP species is unknown, however, bottom trawls in India are considered a threat to sharks and sea turtles.
- There is a lack of information on bycatch in this fishery.
- Bottom trawls will directly impact on the sea bed.

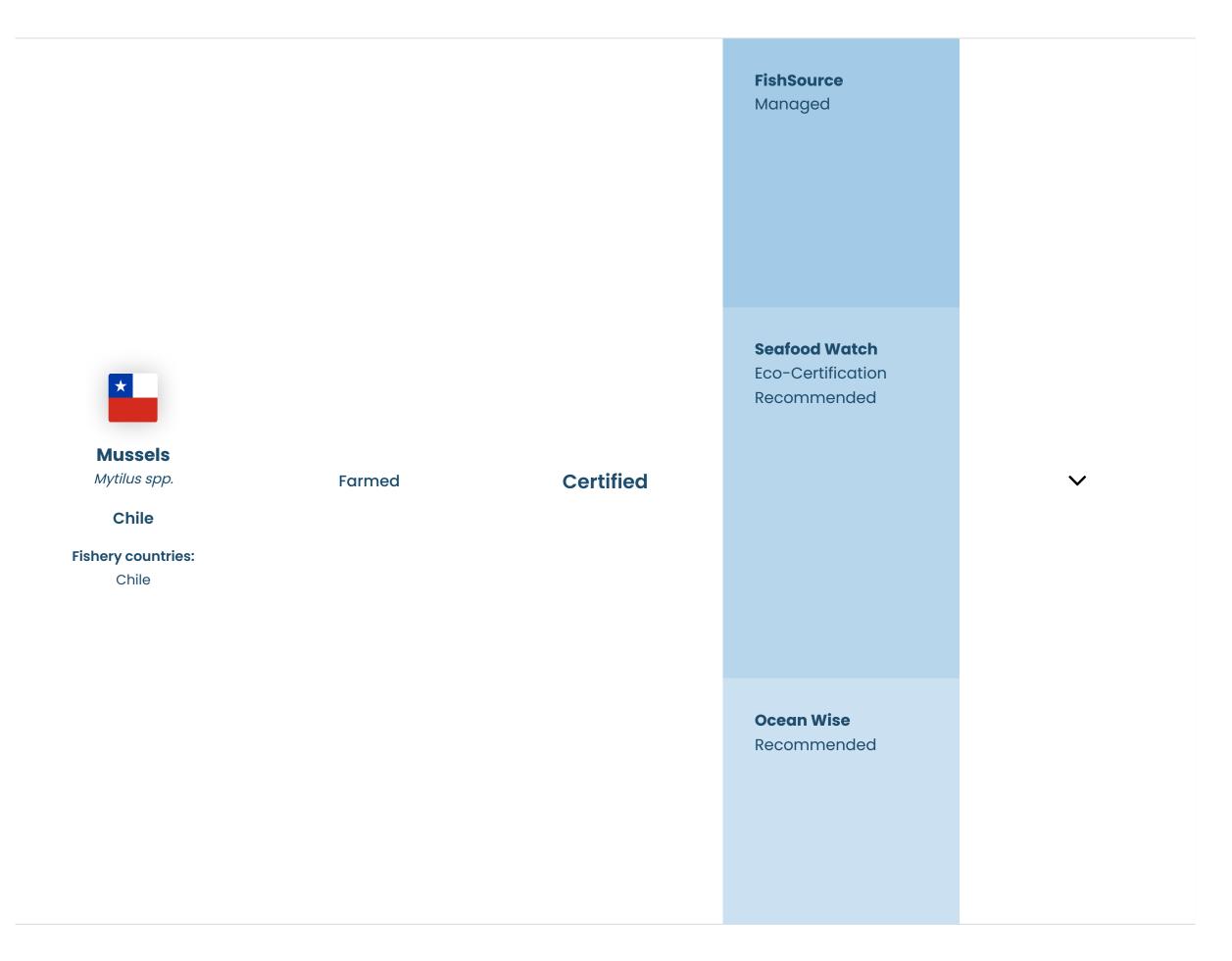
### **General Notes**

• Squid plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

FisheryProgress - India Kerala shrimp and cephalopods - trawl

Seafood Watch Recommendation for Indian Squid, India, Bottom trawls



- No feed inputs are used to support farmed mussels.
- The larval phase of mussels may be transported away from farm sites. The spread of non-native mussels and unintentionally introduced species beyond their natural range may be a cause for concern.
- There is no concern regarding pollution from nutrients or organic matter. No feed or nutrient fertilization inputs are used to support farmed mussels, and water quality has been shown to improve at farmed mussel sites.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### References

Seafood Watch Recommended Eco-Certifications for Chilean Mussel, Worldwide, Best Aquaculture Practices Certified BAP Mussel Standard





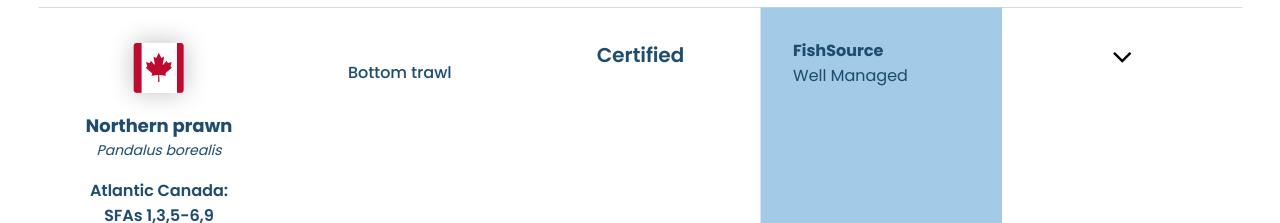
- No feed inputs are used to support farmed mussels.
- Only naturally occurring spat are used to stock the farm so the transportation of the larval phase of mussels away from farm sites is not a concern.
- There is no concern regarding pollution from nutrients or organic matter. No feed or nutrient fertilization inputs are used to support farmed mussels, and water quality has been shown to improve at farmed mussel sites.

### **General Notes**

#### References

Good Fish Guide - Mussel, mussels (Farmed), UK and Ireland (Republic of), Suspended Rope Culture and Bottom Culture

Seafood Watch report for farmed mussels, worldwide



#### **Fishery countries:**

Canada

**Seafood Watch** Eco-Certification Recommended

Ocean Wise Recommended

- The only ETP species recorded in the catch are Atlantic wolffish, spotted wolffish and Northern wolffish. Annual catches are low and the shrimp fishery is unlikely to hinder their recovery.
- Bycatch of non-target species is considered low and mitigation measures are in place.
- Bottom trawls will directly impact on the sea bed. But, the fishery is considered highly unlikely to irreparably reduce habitat structure and function. Management measures are in place to limit impacts on vulnerable habitats.

### **General Notes**

• This species plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

LRQA, June 2022, Canada Northern and Striped Shrimp MSC Public Certification Report

	Bottom trawl	Certified	<b>FishSource</b> Well Managed	$\checkmark$
Northern prawn Pandalus borealis				
Barents Sea				
<b>Fishery countries:</b> Estonia, Norway				
			<b>Seafood Watch</b> Eco-Certification Recommended	

**Good Fish Guide** Best Choice 2

Ocean Wise Recommended

- Management measures are in place to limit catch of redfish, which may include the endangered species, golden redfish. While catches are low in this fishery, there are significant concerns about the cumulative impacts of the Barents Sea fisheries upon the golden redfish.
- Bycatch for this fishery is low due to the use of Nordmøre sorting grids and other management measures.
- Bottom trawls will directly impact on the sea bed, however, this fishery is considered highly unlikely to have an irreversible impact on habitat structure and function.

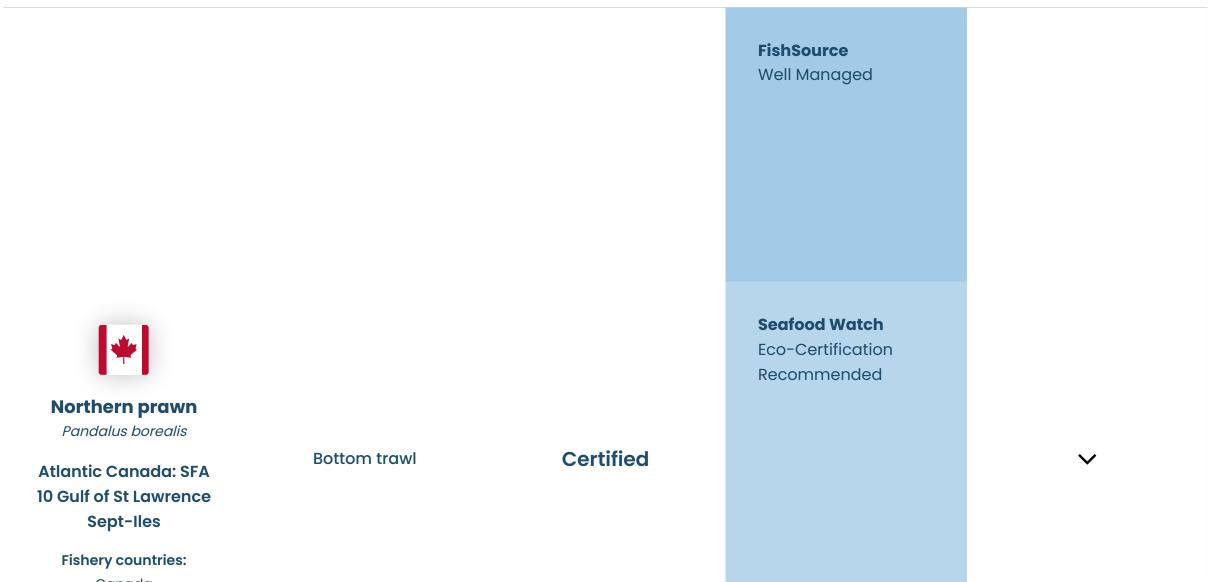
### **General Notes**

• This species plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

DNG GL, March 2018, Public Certification Report for the Re-assessment of the Norway North East Arctic cold water prawn fishery

DNV GL, October 2018, Public Certification Report for the Re-assessment of the Estonia North East Arctic cold water prawn fishery



Canada



### **Environmental Notes**

- This fishery is unlikely to have a significant impact on ETP species.
- Management measures are in place for the main bycatch species redfish (Sebastes spp).
- Bottom trawls will directly impact on the sea bed. But, the fishery is considered highly unlikely to irreparably reduce habitat structure and function. Management measures are in place to limit impacts on vulnerable habitats.

### **General Notes**

• This species plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### References

Lloyd's Register, November 2020, MSC Public Certification Report for Gulf of St Lawrence Northern Shrimp Trawl



**Ocean Wise** Recommended

### **Environmental Notes**

- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is low due to the use of Nordmøre sorting grids and other management measures.
- Bottom trawls will directly impact on the sea bed. Measures are in place to protect vulnerable marine ecosystems.

### **General Notes**

• This species plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

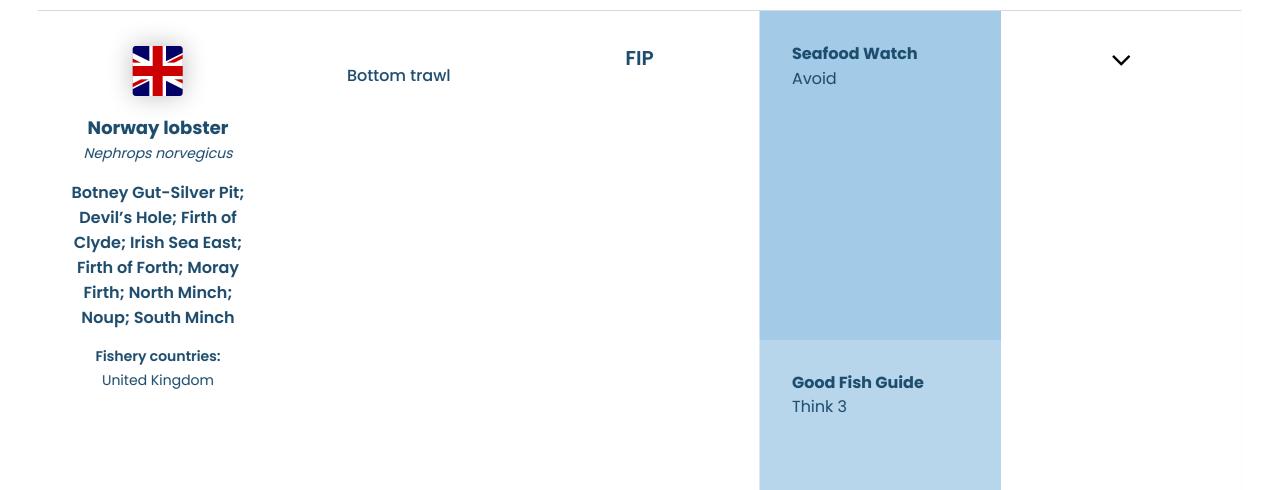
#### References



- This fishery is unlikely to have a significant impact on ETP species.
- Bycatch in this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

#### **General Notes**

• No additional notes.



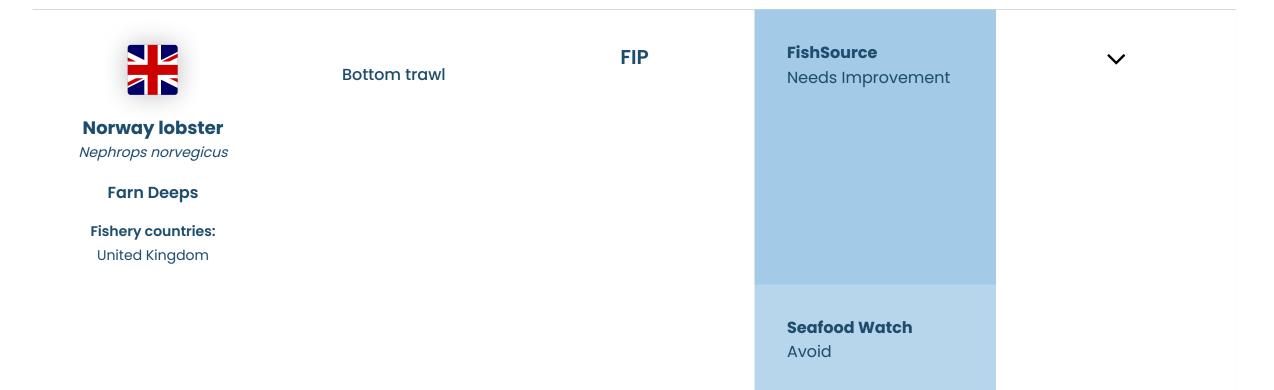


- Sharks, skates, and rays may be caught in this fishery.
- Bycatch is a risk for this fishery.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

### **General Notes**

#### References

Fishery Progress - UK Norway lobster - bottom trawl and creel



**Good Fish Guide** Think 4

- Sharks, skates, and rays may be caught in this fishery.
- Bycatch is a risk for this fishery.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

### **General Notes**

#### References

Fishery Progress - UK Norway lobster - bottom trawl and creel



**Fishery countries:** United Kingdom

### **Ocean Wise** Not recommended

### **Environmental Notes**

• Sharks, skates, and rays may be caught in this fishery.

- Bycatch for this fishery includes cod, haddock and whiting. Mitigation measures, including the use of more selective gears, have been implemented in Fladen Ground to reduce unwanted catch.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

### **General Notes**

#### References

Fishery Progress - UK Norway lobster - bottom trawl and creel

**Bottom trawl** 



### Norway lobster Nephrops norvegicus

Irish Sea West

Fishery countries: Ireland FIP

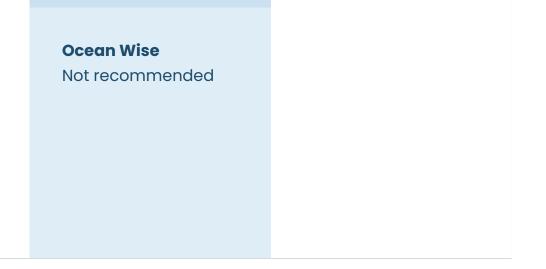
**Good Fish Guide** Think 3

**FishSource** 

Needs Improvement

Seafood Watch

Avoid



 $\checkmark$ 

### **Environmental Notes**

- There is no specific information on the impact of this fishery on ETP species. In other areas, trawling for Norway lobster may interact with sharks, skates, and rays.
- Bycatch for this fishery includes cod, haddock and whiting. Mitigation measures, including the use of more selective gears, have been implemented across the Irish fleet to reduce unwanted catch.
- Bottom trawls will directly impact on the sea bed.

### **General Notes**

#### References



- There is no specific information on the impact of this fishery on ETP species. In other areas, trawling for Norway lobster may interact with sharks, skates, and rays.
- Bycatch of Celtic Sea cod is a risk for this fishery.
- Bottom trawls will directly impact on the sea bed.

### **General Notes**

### References

<u>FisheryProgress - Ireland Area 7 prawn - trawl</u>



FIP

**Seafood Watch** Avoid

 $\checkmark$ 

#### Norway lobster

Nephrops norvegicus

The Smalls

Fishery countries:

Ireland

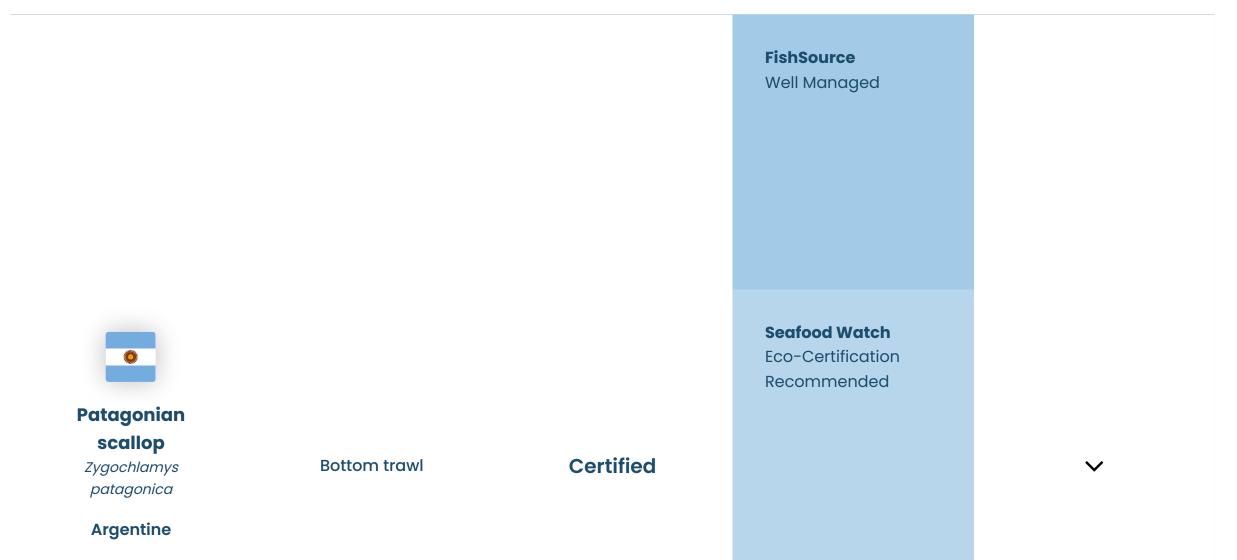
**Good Fish Guide** Improver 5

- There is no specific information on the impact of this fishery on ETP species. In other areas, trawling for Norway lobster may interact with sharks, skates, and rays.
- Bycatch of Celtic Sea cod is a risk for this fishery.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

#### References

FisheryProgress - Ireland Area 7 prawn - trawl



Fishery countries:

Argentina

**Ocean Wise** Recommended

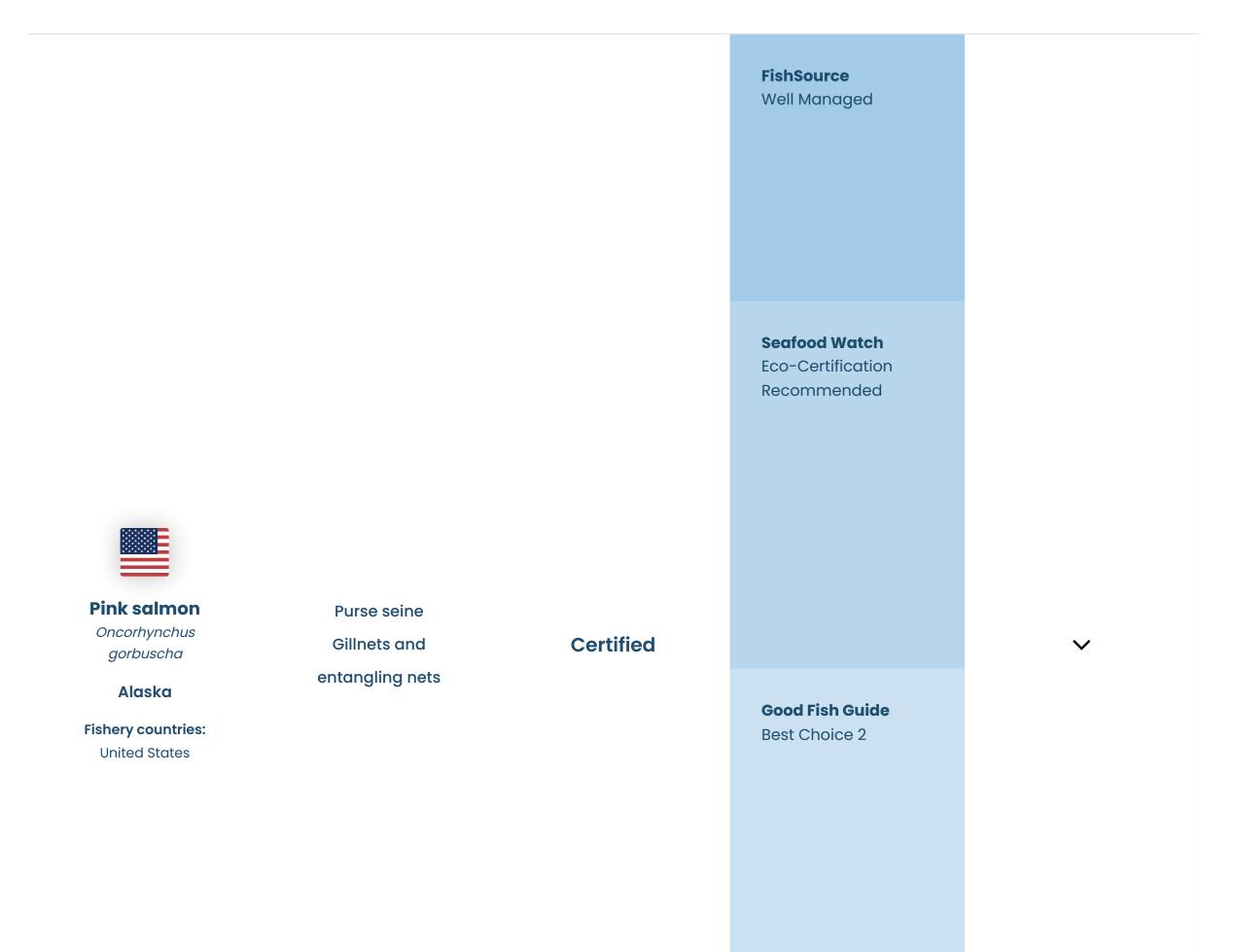
### **Environmental Notes**

- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place, including the use of area closures to protect vulnerable habitats.

### **General Notes**

#### References

Organización Internacional Agropecuaria S.A. (OIA), September 2020, Public Certification Report Assessment against MSC Principles and Criteria for: Patagonian Scallop Bottom Otter Trawl Fishery in Argentine Sea



Ocean Wise Recommended

### **Environmental Notes**

- While encounters with marine mammals and birds have been documented in this fishery, the impact on ETP species is not thought to be significant.
- There is no risk of bycatch for this fishery. Catches of other salmon species are accounted for in the pink salmon management.
- This fishery is unlikely to have a significant impact on the benthic habitat.

### **General Notes**

#### References

MRAG Americas, April 2019, MSC 3rd Reassessment Report for Alaska Salmon Fishery.

<b>Pink salmon</b> Oncorhynchus gorbuscha <b>Russia – East</b> Kamchatka	Pots and traps	Certified	<b>FishSource</b> Well Managed	~
<b>Fishery countries:</b> Russia				

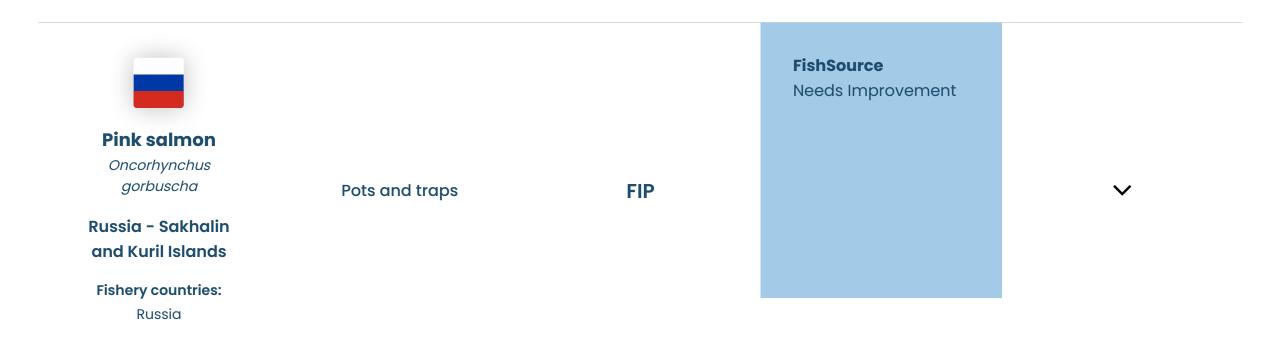
- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the benthic habitat.

### **General Notes**

• Catches of pink salmon generally comprise a small proportion of the total salmon harvest in the Kamchatka River fishery and are incidental to the catch of other species.

#### References

MRAG Americas, 01 August 2022, Kamchatka River Salmon Fishery Announcement Comment Draft Report



### **Environmental Notes**

- Impacts on ETP species are thought likely to be low but more data is needed to assess significance.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the benthic habitat.

### **General Notes**

#### References

Fishery Progress - Russia Kunashir salmon - trap/net

ForSea Solutions, March 2021, MSC Preassessment of the Kunashir Island salmon fishery



Denmark

### **Environmental Notes**

• Profile not yet complete.

### **General Notes**

• No additional notes.



**Skipjack tuna** Katsuwonus pelamis

Eastern Atlantic Ocean

**Fishery countries:** Ghana Handlines and

pole-lines

FIP

**Good Fish Guide** Think 3  $\checkmark$ 

FishSource Needs Improvement

**Seafood Watch** Good Alternative

### Ocean Wise Not recommended

### **Environmental Notes**

- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

#### **General Notes**

#### References

FisheryProgress - Ghana tuna - pole & line



### **Environmental Notes**

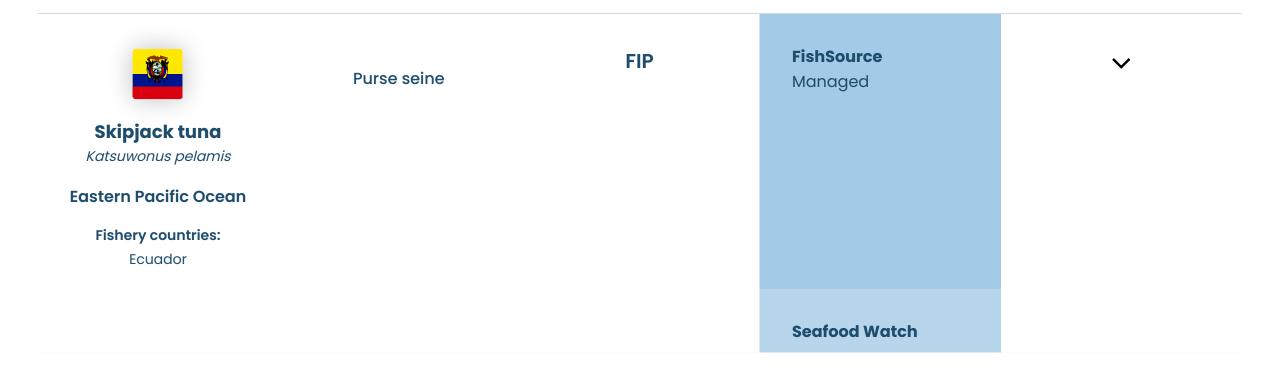
- There are risks to sharks, turtles and marine mammals with this fishery.
- There is a risk of bycatch in this fishery. Bycatch is higher when fish aggregating devices (FADs) are used.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

<u>Fishery Progress, Eastern Atlantic tuna - purse seine</u>

Good Fish Guide - Skipjack tuna, East Atlantic: All areas, Net (purse seine on aggregating devices or free-schooling fish)



**Good Fish Guide** Think 4

**Ocean Wise** Not recommended

### **Environmental Notes**

- There are risks to sea turtles with this fishery.
- Bycatch of sharks and other fish is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

#### **General Notes**

• This fishery was part of the now complete Eastern Pacific Ocean tropical tuna - purse seine (TUNACONS) FIP.



Skipjack tuna Katsuwonus pelamis

Indian Ocean

Fishery countries: Indonesia

Handlines and

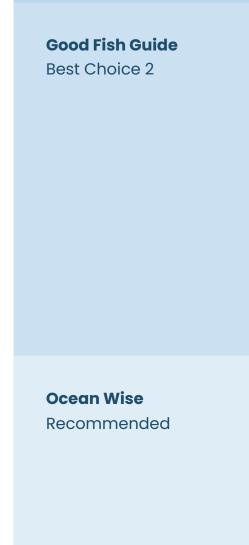
pole-lines

FIP

**FishSource** Well Managed

Seafood Watch Avoid

 $\checkmark$ 



- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low. But the use of live fish for bait may affect baitfish populations.
- This fishery is unlikely to have a significant impact on the sea bed.

#### **General Notes**

#### References

<u>FisheryProgress, Indonesia Indian Ocean skipjack tuna - pole & line</u>



Western and Central Pacific Ocean -WCPFC

> Fishery countries: Indonesia

> > Seafood Watch Best Choice

**Good Fish Guide** Best Choice 2



- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low. But the use of live fish for bait may affect baitfish populations.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

<u>FisheryProgress, Indonesia Western and Central Pacific Ocean skipjack tuna - pole and line</u>





**Skipjack tuna** Katsuwonus pelamis

Western and Central Pacific Ocean

Fishery countries:

Philippines

Purse seine

FIP

**Ocean Wise** Not recommended  $\checkmark$ 

Think 3

- Purse seine gear presents a hazard to sea turtles, marine mammals and sharks.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

<u>FisheryProgress - Western and Central Pacific Ocean skipjack & yellowfin tuna - purse seine (General Tuna Corporation)</u>

Good Fish Guide - Skipjack tuna, Western and Central Pacific: All areas, Net (purse seine on aggregating devices or free-schooling fish)

			<b>FishSource</b> Well Managed	
			<b>Seafood Watch</b> Eco-Certification Recommended	
<b>Sockeye salmon</b> Oncorhynchus nerka <b>Alaska</b> <b>Fishery countries:</b> United States	Gillnets and entangling nets	Certified	<b>Good Fish Guide</b> Best Choice 2	~

### Ocean Wise Recommended

### **Environmental Notes**

• This fishery is unlikely to impact ETP species.

- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the benthic habitat.

### **General Notes**

### References

MRAG Americas, 2019, MSC 3rd Assessment Report Public Certification Report for the Alaska Salmon Fishery



 $\star$ 

Striped catfish Pangasianodon hypophthalmus

Vietnam

Fishery countries: Vietnam



### **Environmental Notes**

- Small inputs of fishmeal and fishoil from marine feed sources are required. Feed inputs are not required to be certified as sustainable or responsibly sourced.
- Pangasius is native to the Mekong and therefore escaped fish are unlikely to have direct impacts on local ecosystems. However, the effects of disease on pangasius farms upon wild fish populations is unknown. Juveniles used in pangasius farming come from Vietnamese hatcheries and the trade of wild-caught broodstock is limited.
- Pollution from nutrients and organic matter occurs on a relatively small scale when compared to the wider nutrient load in the Mekong. Nevertheless, the cumulative input of effluent from pond water exchange and the disposal of pond sludge contributes to the region's

pollution problem. The improper disposal of sludge waste from pond bottoms is especially problematic. Environmental issues are mitigated by the certification standards but discharge limits need improvement. Chemical inputs to Vietnamese pangasius culture are high and there are concerns about the use of antibiotics important to human health.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- The government requires pangasius farms to be managed under a zonal approach.

#### **References:**

FishSource - Pangasius, Vietnam

Good Fish Guide - Basa (Pangasius bocourti & Pangasius hypophthalmus), Global, Aquaculture Stewardship Council (ASC)

<u>Seafood Watch Recommended Eco-Certifications for farmed pangasius, Vietnam, Aquaculture Stewardship Council Certified</u>



### **Environmental Notes**

- Small inputs of fishmeal and fishoil from marine feed sources are required. Feed inputs are not required to be certified as sustainable or responsibly sourced.
- Pangasius is native to the Mekong and therefore escaped fish are unlikely to have direct impacts on local ecosystems. However, the effects of disease on pangasius farms upon wild fish populations is unknown. Juveniles used in pangasius farming come from Vietnamese hatcheries and the trade of wild-caught broodstock is limited.
- Pollution from nutrients and organic matter occurs on a relatively small scale when compared to the wider nutrient load in the Mekong. Nevertheless, the cumulative input of effluent from pond water exchange and the disposal of pond sludge contributes to the region's pollution problem. The improper disposal of sludge waste from pond bottoms is especially problematic. Environmental issues are mitigated by the certification standards but discharge limits need improvement. Chemical inputs to Vietnamese pangasius culture are high and there are concerns about the use of antibiotics important to human health.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- The government requires pangasius farms to be managed under a zonal approach.

#### **References:**

<u>FishSource - Pangasius, Vietnam</u>

<u>Good Fish Guide - Basa (Pangasius bocourti & Pangasius hypophthalmus), Global, GlobalG.A.P.</u>

Seafood Watch report for farmed pangasius, Vietnam

FishSource Managed

**Seafood Watch** Eco-Certification Recommended



### Whiteleg shrimp

Penaeus vannamei

Ecuador

#### **Fishery countries:**

Ecuador

Farmed

Certified

**Good Fish Guide** Think 3  $\checkmark$ 

**Ocean Wise** Recommended

### **Environmental Notes**

- Fishmeal and fish oil from marine feed sources are used. Certification criteria encourage the use of responsibly sourced marine products in feed.
- Disease transfer between farmed and wild prawns is a concern but infrequent water exchange on whiteleg shrimp farms moderates the risk. Information on escapes is limited. Shrimp farmed in Ecuador are raised from hatchery-raised native broodstock, therefore lowering the risk to wild shrimp populations if interbreeding does occur, however, interbreeding may still result in reduced genetic fitness.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Impacts on water quality vary depending on farm practices including the frequency of waste discharge from ponds.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- The government has adopted a farm-based approach to aquaculture regulations and licensing.

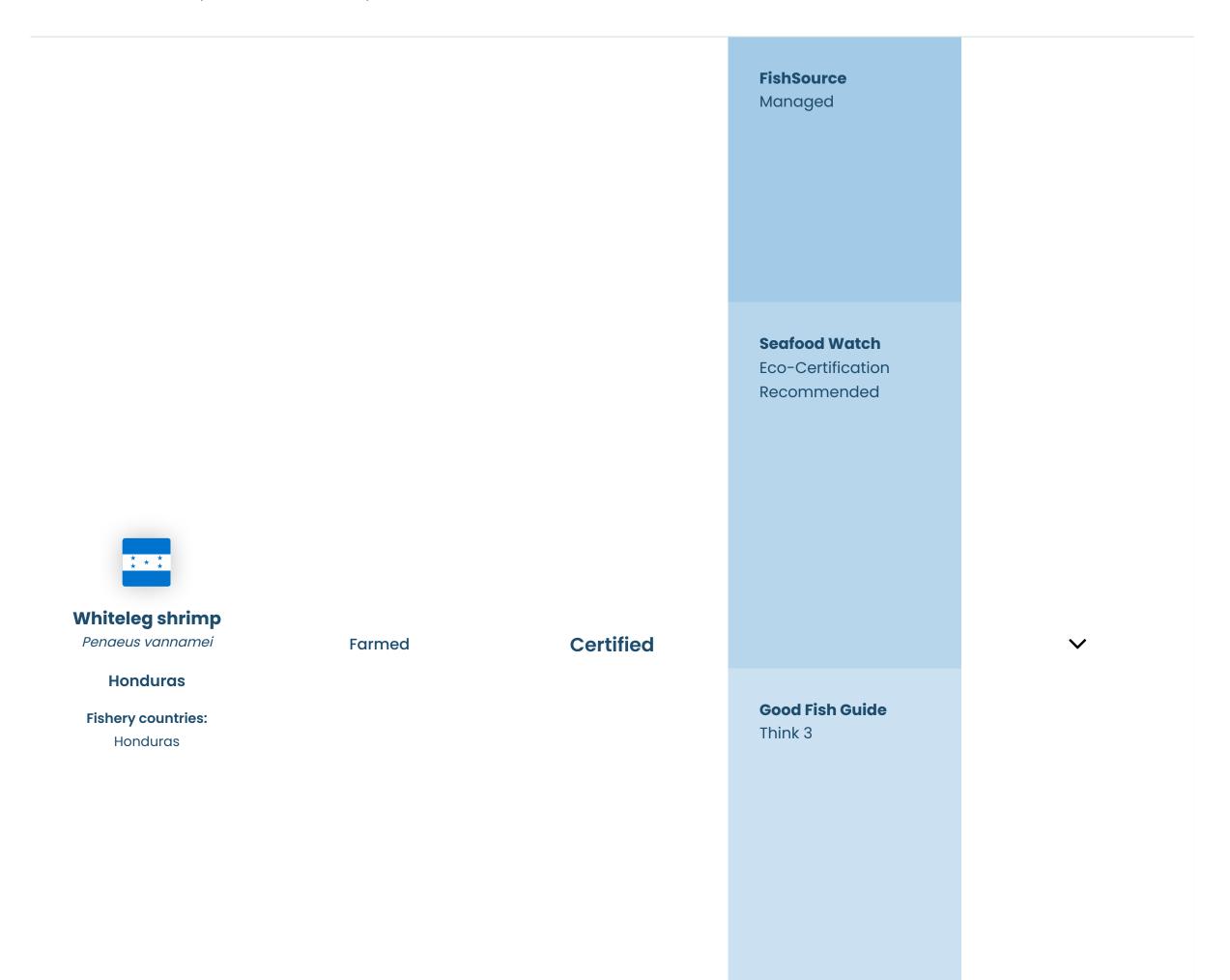
#### **References:**

FishSource - Shrimp, Ecuador

<u>Good Fish Guide - King prawn, Global, Aquaculture Stewardship Council (ASC) certification</u>

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp

Seafood Watch report for farmed shrimp, Ecuador



**Ocean Wise** Recommended

### **Environmental Notes**

- The use of wild fish in Honduran shrimp feed inputs is low.
- Disease transfer between farmed and wild prawns is a concern and is exacerbated by the practice of frequent water exchanges. Information on escapes from shrimp farms is limited. Whiteleg shrimp are native to Honduras, therefore lowering the environmental risk from escapes, however there is still potential for interbreeding with wild shrimp populations to result in reduced genetic fitness.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Impacts on water quality vary depending on farm practices including the frequency of waste discharge from ponds. Some farms have been found to exceed regulatory limits for waste discharge.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### **References:**

<u>Good Fish Guide - King prawn, Global, Aquaculture Stewardship Council (ASC)</u>

<u>Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp</u>

Seafood Watch report for farmed shrimp, Honduras

**Seafood Watch** Eco-Certification Recommended

**FishSource** 

Managed



Whiteleg shrimp Penaeus vannamei

Honduras

Fishery countries: Honduras

Farmed

Certified

**Good Fish Guide** Think 3  $\checkmark$ 



### **Environmental Notes**

- The use of wild fish in Honduran shrimp feed inputs is low.
- Disease transfer between farmed and wild prawns is a concern and is exacerbated by the practice of frequent water exchanges. Information on escapes from shrimp farms is limited. Whiteleg shrimp are native to Honduras, therefore lowering the environmental risk from escapes, however there is still potential for interbreeding with wild shrimp populations to result in reduced genetic fitness.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Impacts on water quality vary
  depending on farm practices including the frequency of waste discharge from ponds. Some farms have been found to exceed regulatory
  limits for waste discharge.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### **References:**

Good Fish Guide - King prawn, Global, Global Aquaculture Alliance Best Aquaculture Practices (GAA BAP) 4\* certification

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp

Seafood Watch report for farmed shrimp, Honduras



Whiteleg shrimp Penaeus vannamei

Farmed

Certified

Indonesia

Fishery countries: Indonesia **Good Fish Guide** Think 3  $\checkmark$ 

FishSource Managed

**Seafood Watch** Eco-Certification Recommended



### **Environmental Notes**

- Fishmeal and fish oil from marine feed sources are used. Certification criteria encourage the use of responsibly sourced marine products in feed.
- Disease transfer between farmed and wild prawns is a concern. Whiteleg shrimp are not native to Indonesia and there is potential for ecological impacts from escapes.

• Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality and cumulative impacts across a region may occur.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- Legislation on zonal planning that is relevant to aquaculture does exist. The government has produced a coastal and marine spatial plan that identifies multiple aquaculture zones.

#### **References:**

FishSource - Shrimp, Indonesia

<u>Good Fish Guide - King prawns, Global, Aquaculture Stewardship Council (ASC)</u>

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp

Seafood Watch report for farmed shrimp, Indonesia

Seafood Watch **Eco-Certification** Recommended

**FishSource** 

Managed



Whiteleg shrimp Penaeus vannamei

Farmed

Certified

**Good Fish Guide** Think 3

Nicaragua

**Fishery countries:** 

Nicaragua

**Ocean Wise** Recommended

- Most shrimp culture in Nicaragua relies on inputs of fishmeal and fish oil from marine feed sources. The sustainability of source fisheries is unknown, but certification criteria encourage the use of responsibly sourced marine products in feed.
- Habitat conversion for Nicaraguan shrimp farms has affected areas important to shore birds. Escapes can occur during water exchanges
  and flooding incidences. Shrimp farmed in Nicaragua are native to the country and interbreeding with wild populations may result in
  reduced genetic fitness. Information on the use of wild shrimp populations as a source of stock is limited. Disease transfer from farmed
  shrimp to wild shrimp populations in Nicaragua has not been reported.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Impacts on water quality vary depending on farm practices including the frequency of waste discharge from ponds.

### **General Notes**

• The environmental impacts described are addressed to some degree by certification.

#### **References:**

Good Fish Guide - King prawn, Global, Aquaculture Stewardship Council (ASC)

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp

Seafood Watch report for farmed shrimp, Nicaragua

	Farmed	Certified	<b>FishSource</b> Managed	~
Whiteleg shrimp Penaeus vannamei				
Thailand				
<b>Fishery countries:</b> Thailand				
			<b>Seafood Watch</b> Eco-Certification Recommended	

**Good Fish Guide** Think 3

Ocean Wise Not recommended

- Fishmeal and fishoil from marine feed sources are used. Certification criteria encourage the use of responsibly sourced marine products in feed.
- Disease transfer between farmed and wild prawns is a concern but infrequent water exchange on whiteleg shrimp farms moderates the risk. Whiteleg shrimp are not native to Thailand and there is potential for ecological impacts from escapes.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Impacts on water quality vary depending on the frequency of waste discharge from ponds.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- Shrimp farming is restricted to designated shrimp aquaculture zones, however, the cumulative impact of multiple farms does not appear to have been considered.

#### **References:**

FishSource - Shrimp, Thailand

Good Fish Guide - King prawn, Global, Global Aquaculture Alliance Best Aquaculture Practices (GAA BAP) 4\* certification

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp, Farmed

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			<b>Seafood Watch</b> Eco-Certification Recommended	

**Good Fish Guide** Think 3

- Fishmeal and fishoil from marine feed sources are used. Certification criteria encourage the use of responsibly sourced marine products in feed.
- Disease transfer between farmed and wild prawns is a concern but infrequent water exchange on whiteleg shrimp farms moderates this risk. Whiteleg shrimp are not native to Vietnam and there is potential for ecological impacts from escapes.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Waste discharge from whiteleg shrimp ponds is typically limited to once per production cycle, moderating the impact of effluents on water quality. There is a lack of data on the quantity of chemical inputs, but evidence suggests that illegal antibiotics are sometimes used on Vietnamese shrimp farms.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- The aquaculture industry is currently managed under a farm-based approach.

#### **References:**

FishSource - Shrimp, Vietnam

Good Fish Guide - Prawns, King (whiteleg), prawns, Aquaculture Stewardship Council (ASC) certification

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp, Farmed



Eco-Certification Recommended

**Good Fish Guide** Think 3

- Fishmeal and fishoil from marine feed sources are used. Certification criteria encourage the use of responsibly sourced marine products in feed.
- Disease transfer between farmed and wild prawns is a concern but infrequent water exchange on whiteleg shrimp farms moderates this risk. Whiteleg shrimp are not native to Vietnam and there is potential for ecological impacts from escapes.
- Pollution from nutrients and organic matter, as well as chemical inputs, may affect local water quality. Waste discharge from whiteleg shrimp ponds is typically limited to once per production cycle, moderating the impact of effluents on water quality. There is a lack of data on the quantity of chemical inputs, but evidence suggests that illegal antibiotics are sometimes used on Vietnamese shrimp farms.

### **General Notes**

- The environmental impacts described are addressed to some degree by certification.
- The aquaculture industry is currently managed under a farm-based approach

#### **References:**

FishSource - shrimp, Vietnam

Good Fish Guide - King prawn, Global, Global Aquaculture Alliance Best Aquaculture Practices (GAA BAP) 4\* certification

Seafood Watch Recommended Eco-Certifications for Whiteleg shrimp, Farmed

Seafood Watch report for farmed shrimp, Vietnam

Vellowfin tunaThunnus albacaresIndian OceanFishery countries:Maldives	Handlines and pole-lines	Not certified or in a FIP	<b>FishSource</b> Needs Improvement	
			<b>Seafood Watch</b> Avoid	

**Good Fish Guide** Avoid 5

- This fishery is unlikely to impact ETP species.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

• No additional notes.

	Longlines	FIP	<b>FishSource</b> Needs Improvement	$\checkmark$
<b>Yellowfin tuna</b> Thunnus albacares				
Indian Ocean				
<b>Fishery countries:</b> Sri Lanka				
			<b>Seafood Watch</b> Avoid	

**Good Fish Guide** Improver 5

**Ocean Wise** Not recommended

- There are risks to seabirds, sea turtles and marine mammals with this fishery.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

- This fishery is covered by the Sri Lanka tuna and swordfish longline FIP.
- Good Fish Guide has assigned this fishery a 'Red improver' rating to show that credible efforts to improve the issues in the fishery are underway. MCS does not recommend avoiding these sources, as they normally do for seafood rated 5 (red rated).

#### References

Fishery Progress - Sri Lanka tuna and swordfish - longline

Good Fish Guide - Yellowfin tuna, Indian Ocean: FIP participants only, Hook & line (longline)

			<b>FishSource</b> Well Managed	
<b>Yellowfin tuna</b> Thunnus albacares				
Western and Central	Longlines	Certified	Good Fish Guide	$\checkmark$
Pacific Ocean			Best Choice 2	
<b>Fishery countries:</b> Micronesia				

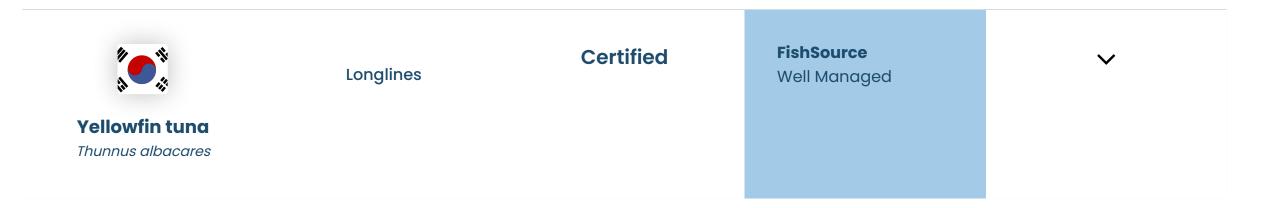
### **Environmental Notes**

- This fishery is unlikely to impact ETP species.
- Catch of other species includes tuna, marlin and swordfish.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

Control Union Pesca Ltd, October 2018, MSC Public Certification Report for SZLC CSFC & FZLC FSM EEZ Longline Yellowfin and Bigeye Tuna Fishery (Yellowfin UoA)



### Western and Central Pacific Ocean

Fishery countries:

South Korea



### **Environmental Notes**

- There are risks to sea turtles, sharks, and sea birds with this fishery. Data on interactions is limited.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

Control Union, June 2020, MSC Public Certification Report for Pan Pacific yellowfin, bigeye and albacore tuna longline fishery

Good Fish Guide - Yellowfin tuna, Western and Central Pacific, Hook & line (longline), Marine Stewardship Council



Hook and line

Some product from FIP fisheries FishSource Managed

 $\checkmark$ 

### Yellowfin tuna

Thunnus albacares

Western and Central

Pacific Ocean

**Fishery countries:** 

Japan, Vietnam

Longlines

**Seafood Watch** Avoid

**Good Fish Guide** 

**Ocean Wise** Not recommended

### **Environmental Notes**

- Longlines present a hazard to seabirds, sea turtles, marine mammals and sharks.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

### **General Notes**

#### References

<u>FisheryProgress - Vietnam yellowfin tuna - handline</u>



# **Profile Download**

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Asda purchase MSC-certified cod and haddock from Norway, which may be supplied by any of the authorized Norwegian longline and trawl vessels.

Species	Flag Country	Gear Type	Vessel Name	Registration Number	IMO Number
Cod and Haddock	Norway	Longline	Atlantic	M 0019A	9849801
Cod and Haddock	Norway	Longline	Bergholm	M-95-G	7817270
Cod and Haddock	Norway	Longline	Delfin	TF-19-T	8022913
Cod and Haddock	Norway	Longline	Fiskenes	M-40-SA	9234563
Cod and Haddock	Norway	Longline	Fjellmøy	SF-90-S	9169263
Cod and Haddock	Norway	Longline	Frøyanes Junior	SF-4-S	9849526
Cod and Haddock	Norway	Longline	Geir	M-123-A	9856024
Cod and Haddock	Norway	Longline	Geir II	M 0012H	9535383
Cod and Haddock	Norway	Longline	Grotle	SF-88-B	9691838
Cod and Haddock	Norway	Longline	Koralen	M-106-A	8015855
Cod and Haddock	Norway	Longline	Koralhav	M-406-H	9223124
Cod and Haddock	Norway	Longline	Loran	M-12-G	9191357
Cod and Haddock	Norway	Longline	Nesbakk	M-71-G	9209477
Cod and Haddock	Norway	Longline	Nyvoll Senior	M 0128G	8610693
Cod and Haddock	Norway	Longline	O. Husby	M-161-AV	8943959
Cod and Haddock	Norway	Longline	Østerfjord	VL-101-AV	9892236
Cod and Haddock	Norway	Longline	Østerhav	VL-7-AV	8422137
Cod and Haddock	Norway	Longline	Rolf Asbjørn	T-2-LK	9605877
Cod and Haddock	Norway	Longline	Seir	M-104H	9827176
Cod and Haddock	Norway	Longline	Sjøvær	SF-6-A	8619510
Cod and Haddock	Norway	Longline	Stormhav	F-1-HV	9856452
Cod and Haddock	Norway	Longline	Trygve B	TF-60-NK	8514526
Cod and Haddock	Norway	Longline	Veidar	M-1-G	9818864
Cod and Haddock	Norway	Longline	Vestfisk	M-33-G	8015893
Cod and Haddock	Norway	Longline	Vestkapp	SF-6-S	9849514
Cod and Haddock	Norway	Longline	Vestliner	SF-15-S	9649366
Cod and Haddock	Norway	Longline	Veststeinen	SF-20- B	9171307
Cod and Haddock	Norway	Longline	Vonar	M-88-SØ	9282754
Cod and Haddock	Norway	Trawl	Arctic Swan	TF-135-A	9258739
Cod and Haddock	Norway	Trawl	Atlantic Star	M-110-G	9134555
Cod and Haddock	Norway	Trawl	Atlantic Viking	M-68-G	9652806
Cod and Haddock	Norway	Trawl	Båtsfjord	TF-12-BD	9184457
Cod and Haddock	Norway	Trawl	Doggi	F-14-H	9233117
Cod and Haddock	Norway	Trawl	Gadus Neptun	F-55-BD	9640982
Cod and Haddock	Norway	Trawl	Gadus Njord	N-125-VV	9640970





Species	Flag Country	Gear Type	Vessel Name	Registration Number	IMO Number
Cod and Haddock	Norway	Trawl	Gadus Poseidon	F-32-BD	9640968
Cod and Haddock	Norway	Trawl	Genesis	M97G	9565429
Cod and Haddock	Norway	Trawl	Haltentrål	M-206-H	9169562
Cod and Haddock	Norway	Trawl	Havbryn	M-325-H	9639050
Cod and Haddock	Norway	Trawl	Havstrand	M-525-H	9639062
Cod and Haddock	Norway	Trawl	Havtind	N-10-H	9164304
Cod and Haddock	Norway	Trawl	Hermes	F-7-L	9230036
Cod and Haddock	Norway	Trawl	Holmøy	N0050SO	9756145
Cod and Haddock	Norway	Trawl	Ishavet	M-11-A	9652818
Cod and Haddock	Norway	Trawl	J. Bergvoll	T-1-H	9214501
Cod and Haddock	Norway	Trawl	Kagtind	T0037H	7922283
Cod and Haddock	Norway	Trawl	Kagtind II	T0019H	9188465
Cod and Haddock	Norway	Trawl	Kongsfjord	F-50-BD	9856000
Cod and Haddock	Norway	Trawl	Langenes	M-35-A	8520795
Cod and Haddock	Norway	Trawl	Langøy	N0100SO	9168104
Cod and Haddock	Norway	Trawl	Magne Arvesen	TF-2-1	9876593
Cod and Haddock	Norway	Trawl	Molnes	M-69-G	9139608
Cod and Haddock	Norway	Trawl	Nesholmen	T-189-T	8822387
Cod and Haddock	Norway	Trawl	Nokasa	TF-110-BD	8811247
Cod and Haddock	Norway	Trawl	Nordtind	N-6-VV	9804538
Cod and Haddock	Norway	Trawl	Prestfjord	N-445-ø	9584566
Cod and Haddock	Norway	Trawl	Remøy	M-99-HØ	9660451
Cod and Haddock	Norway	Trawl	Roaldnes	M-370-HØ	9175030
Cod and Haddock	Norway	Trawl	Rypefjord	F-38-H	9131670
Cod and Haddock	Norway	Trawl	Senja	TF-1-T	9858436
Cod and Haddock	Norway	Trawl	Stornes	M-360G	9857535
Cod and Haddock	Norway	Trawl	Sunderøy	N100ø	9294903
Cod and Haddock	Norway	Trawl	Tønsnes	T-2-H	9207819
Cod and Haddock	Norway	Trawl	Vesttind	N-30-H	9217137
Cod and Haddock	Norway	Trawl	Arctic Swan	M2000	9134555
Cod and Haddock	Norway	Trawl	Atlantic Star	M 111 G	9134555
Cod and Haddock	Norway	Trawl	Atlantic Viking	M6	9652806
Cod and Haddock	Norway	Trawl	Båragutt	T1227	7812878
Cod and Haddock	Norway	Trawl	Båtsfjord	F2	9184457
Cod and Haddock	Norway	Trawl	Doggi	F44	9233117
Cod and Haddock	Norway	Trawl	Gadus Neptun	F725	9640982





Species	Flag Country	Gear Type	Vessel Name	Registration Number	IMO Number
Cod and Haddock	Norway	Trawl	Gadus Njord	N2204	9640970
Cod and Haddock	Norway	Trawl	Gadus Poseidon	F733	9640968
Cod and Haddock	Norway	Trawl	Granit	H132	9796896
Cod and Haddock	Norway	Trawl	Haltentrål	M2023	9169562
Cod and Haddock	Norway	Trawl	Havbryn	M 325 H	9639050
Cod and Haddock	Norway	Trawl	Havstrand	M 525 H	9639062
Cod and Haddock	Norway	Trawl	Havtind	N70	9164304
Cod and Haddock	Norway	Trawl	Hermes	F4	9230036
Cod and Haddock	Norway	Trawl	J.Bergvoll	T10	9214501
Cod and Haddock	Norway	Trawl	Kongsfjord	F7	9856000
Cod and Haddock	Norway	Trawl	Kågtind	T35	9188465
Cod and Haddock	Norway	Trawl	Langenes	T109	8520795
Cod and Haddock	Norway	Trawl	Langøy	N45	9652829
Cod and Haddock	Norway	Trawl	Magne Arvesen	TF-2-1	9876593
Cod and Haddock	Norway	Trawl	Molnes	M2043	9139608
Cod and Haddock	Norway	Trawl	Nesholmen	T1228	8822387
Cod and Haddock	Norway	Trawl	Nordstar	M 85 G	6920111
Cod and Haddock	Norway	Trawl	Nordtind	N2262	9804538
Cod and Haddock	Norway	Trawl	Nordøytrål	M78	9219771
Cod and Haddock	Norway	Trawl	Ole-Arvid Nergård		9216949
Cod and Haddock	Norway	Trawl	Prestfjord	N50	9584566
Cod and Haddock	Norway	Trawl	Ramoen	M1VD	9761102
Cod and Haddock	Norway	Trawl	Remøy	M670	9660451
Cod and Haddock	Norway	Trawl	Roaldnes	M80	9175030
Cod and Haddock	Norway	Trawl	Rypefjord	F45	9131670
Cod and Haddock	Norway	Trawl	Stornes		8615306
Cod and Haddock	Norway	Trawl	Sunderøy	N100	9859507
Cod and Haddock	Norway	Trawl	Tønsnes	Т39	9207819
Cod and Haddock	Norway	Trawl	Vesttind	N16	9217137
Cod and Haddock	Norway	Trawl	Volstad	M2044	9652818
Cod and Haddock	Norway	Trawl	Nordbas	M-30-G	7702669
Cod and Haddock	Norway	Trawl	Senja	TF-1-T	9858436
Cod and Haddock	Norway	Trawl	Breidtind	TF-20-T	9906532

Associated Fisheries
Norway North East Arctic cod offshore (>12nm)
Norway North East Arctic haddock offshore (>12nm)





Asda purchase tuna for canned products from purse seine fishing vessels listed on the International Seafood Sustainability Foundation (ISSF)'s <u>ProActive Vessel Register (PVR)</u>, a public vessel list where tuna fishing vessels can show how they are following best practices to support sustainable tuna fishing.

Almost all the vessels listed below are also registered on the ISSF's <u>Vessels in Other Sustainability</u> <u>Initiatives</u> (VOSI), a public vessel list showing vessels that are fishing in an Marine Stewardship Council (MSC)-certified tuna fishery, participating in a tuna Fishery Improvement Project (FIP), or both.

Species	FIP	Ocean	Flag Country	Vessel name	IMO number	Length overall
Tuna	Eastern Atlantic	Atlantic	Belize	Playa de Azkorri	9476111	87.00m
Tuna	Eastern Atlantic	Atlantic	Cape Verde	Egalabur	9710995	91.1m
Tuna	Eastern Atlantic	Atlantic	France	Gevred	9741097	77.00m
Tuna	Eastern Atlantic	Atlantic	France	Gueotec	8912986	81.9m
Tuna	Eastern Atlantic	Atlantic	France	Gueriden	8912998	81.9m
Tuna	Eastern Atlantic	Atlantic	France	Pendruc	9741102	77.00m
Tuna	Eastern Atlantic	Atlantic	France	Sterenn	9225548	67.3m
Tuna	Eastern Atlantic	Atlantic	France	Via Alize	9877365	78.33m
Tuna	Eastern Atlantic	Atlantic	France	Via Avenir	8812186	78.33m
Tuna	Eastern Atlantic	Atlantic	France	Via Euros	9017862	78.33m
Tuna	Eastern Atlantic	Atlantic	France	Via Mistral	9017850	78.33m
Tuna	Eastern Atlantic	Atlantic	Spain	Zuberoa	8906456	77.3m
Tuna	Eastern Atlantic	Atlantic	Spain	Playa de Ris	9684548	87.00m
Tuna	Eastern Atlantic	Atlantic	Spain	Playa de Noja	8806955	77.3m
Tuna	Eastern Atlantic	Atlantic	Spain	Egaluze	8109620	52.3m
Tuna	Eastern Atlantic	Atlantic	Spain	Playa de Bakio	9010345	75.6m
Tuna	Eastern Atlantic	Atlantic	Spain	Alboniga	8613267	54.5m
Tuna	OPAGAC	Atlantic	Belize	Txori Berri	9006033	81m
Tuna	OPAGAC	Atlantic	Curaçao	Albacora Nueve	7403639	76.7m
Tuna	OPAGAC	Atlantic	Curaçao	Galerna	7409140	82.3m
Tuna	OPAGAC	Atlantic	Curaçao	Pacific Star	8716837	107.1m
Tuna	OPAGAC	Atlantic	Curaçao	Guria	9758351	71.1m
Tuna	OPAGAC	Atlantic	El Salvador	Montealegre	8021763	82.8m
Tuna	OPAGAC	Atlantic	El Salvador	Montelape	8021775	78.1m
Tuna	OPAGAC	Atlantic	El Salvador	Montecelo	7409152	76.75m
Tuna	OPAGAC	Atlantic	El Salvador	Montefrisa Nueve	7409176	76.75m

Additional information about the FIPs can be found on <u>www.FisheryProgress.org.</u>





Species	FIP	Ocean	Flag Country	Vessel name	IMO number	Length overall
Tuna	OPAGAC	Atlantic	Guatemala	Sant Yago Uno	8919439	79.8m
Tuna	OPAGAC	Atlantic	Guatemala	Sant Yago Tres	8919427	79.8m
Tuna	OPAGAC	Atlantic	Panama	Albacora Caribe	8716825	67.38m
Tuna	OPAGAC	Atlantic	Panama	Cape Coral	9699050	71.28m
Tuna	OPAGAC	Atlantic	Spain	Albacora Quince	8206296	85.85m
Tuna	OPAGAC	Atlantic	Spain	Mar de Sergio	8212075	85.9m
Tuna	OPAGAC	Atlantic	Spain	Kurtzio	7385461	56.1m
Tuna	OPAGAC	Atlantic	Spain	Montemaior	7817323	71.55m
Tuna	OPAGAC	Indian	Seychelles	Draco	9335226	84.14m
Tuna	OPAGAC	Indian	Seychelles	Galerna II	9663154	84.45m
Tuna	OPAGAC	Indian	Seychelles	Galerna III	9663166	84.85m
Tuna	OPAGAC	Indian	Seychelles	Intertuna Tres	9202704	101.66m
Tuna	OPAGAC	Indian	Seychelles	Txori Toki	9196682	83.80m
Tuna	OPAGAC	Indian	Seychelles	Txori Aundi	8208531	68.57m
Tuna	OPAGAC	Indian	Spain	Albacan	8906468	88.85m
Tuna	OPAGAC	Indian	Spain	Albatun Dos	9281308	116.00m
Tuna	OPAGAC	Indian	Spain	Albacora Uno	9127435	105.00m
Tuna	OPAGAC	Indian	Spain	Albatun Tres	9281310	115.00m
Tuna	OPAGAC	Indian	Spain	Albacora Cuatro	7325904	83.45m
Tuna	OPAGAC	Indian	Spain	Txori Zuri	9741085	89.66m
Tuna	OPAGAC	Indian	Spain	Itsas Txori	9702869	83.80m
Tuna	OPAGAC	Indian	Spain	Txori Gorri	9383156	95.80m
Tuna	OPAGAC	Indian	Spain	Txori Argi	9286724	106.50m
Tuna	OPAGAC	Pacific	Ecuador	Guayatuna Uno	8107476	77.30m
Tuna	OPAGAC	Pacific	Ecuador	Guayatuna Dos	8111087	77.30m
Tuna	OPAGAC	Pacific	Ecuador	Panama Tuna	9175028	116.00m
Tuna	OPAGAC	Pacific	Ecuador	Charo	8107646	86.86m
Tuna	OPAGAC	Pacific	Ecuador	San Andres	8909252	68.27m
Tuna	OPAGAC	Pacific	Ecuador	Ugavi	7910682	74.66m
Tuna	OPAGAC	Pacific	Ecuador	Jocay	9710983	91.10m
Tuna	OPAGAC	Pacific	Ecuador	Ugavi Dos	8206301	77.30m
Tuna	OPAGAC	Pacific	El Salvador	Montelucía	9232668	91.90m
Tuna	OPAGAC	Pacific	El Salvador	Monterocío	8919453	78.80m
Tuna	OPAGAC	Pacific	El Salvador	Sisargas	9698551	79.80m





Species	FIP	Ocean	Flag Country	Vessel name	IMO number	Length overall
Tuna	OPAGAC	Pacific	Panama	Jane IV	9698551	78.29m
Tuna	OPAGAC	Pacific	Spain	Aurora B	9156058	84.1m
Tuna	OPAGAC	Pacific	Spain	Rosita C	9210969	84.1m
Tuna	SIOTI	Indian	France	Avel Vad	9128520	67.30m
Tuna	SIOTI	Indian	France	Cap Saint Vincent	9225536	67.30m
Tuna	SIOTI	Indian	France	Cap Sainte Marie	9168063	67.30m
Tuna	SIOTI	Indian	France	Glenan	9322669	84.10m
Tuna	SIOTI	Indian	France	Talenduic	8919465	79.80m
Tuna	SIOTI	Indian	France	Drennec	9359703	84.12m
Tuna	SIOTI	Indian	France	Trevignon	9359698	84.12m
Tuna	SIOTI	Indian	France	Dolomieu	9651993	89.40m
Tuna	SIOTI	Indian	France	Franche Terre	9540156	89.40m
Tuna	SIOTI	Indian	France	Manapany	9476238	89.40m
Tuna	SIOTI	Indian	France	Bernica	9600853	89.40m
Tuna	SIOTI	Indian	France, Mauritius	Belouve	9653848	89.4
Tuna	SIOTI	Indian	Italy	Torre Giulia	9151084	81.9
Tuna	SIOTI	Indian	Italy	Torre Italia	9151084	79.59m
Tuna	SIOTI	Indian	Mauritius	Belle Isle	9679634	89.40m
Tuna	SIOTI	Indian	Mauritius	Belle Rive	9679622	89.40m
Tuna	SIOTI	Indian	Seychelles	Draco	9335226	84.14m
Tuna	SIOTI	Indian	Seychelles	Intertuna Tres	9202704	101.66m
Tuna	SIOTI	Indian	Seychelles	Galerna II	9663154	84.45m
Tuna	SIOTI	Indian	Seychelles	Galerna III	9663166	84.85m
Tuna	SIOTI	Indian	Seychelles	Playa de Anzoras	9176917	85.50m
Tuna	SIOTI	Indian	Seychelles	Txori Toki	9196682	83.80m
Tuna	SIOTI	Indian	Seychelles	Txori Aundi	8208531	68.57m
Tuna	SIOTI	Indian	Seychelles	Artza	9202144	94.79m
Tuna	SIOTI	Indian	Seychelles	Izaro	9684500	88.65m
Tuna	SIOTI	Indian	Seychelles	Jai Alai	9733478	88.65m
Tuna	SIOTI	Indian	Seychelles	Euskadi Alai	9733480	88.65m
Tuna	SIOTI	Indian	Seychelles	Morne Blanc	9719812	79.50m
Tuna	SIOTI	Indian	Seychelles	Morn Seselwa	9719800	79.50m
Tuna	SIOTI	Indian	Spain	Albacan	8906468	88.85m
Tuna	SIOTI	Indian	Spain	Albatun Dos	9281308	116.0m





Species	FIP	Ocean	Flag Country	Vessel name	IMO number	Length overall
Tuna	SIOTI	Indian	Spain	Albacora Uno	9127435	105.00m
Tuna	SIOTI	Indian	Spain	Albatun Tres	9281310	115.00m
Tuna	SIOTI	Indian	Spain	Playa de Aritzatxu	9228162	86.70m
Tuna	SIOTI	Indian	Spain	Txori Zuri	9741085	89.66m
Tuna	SIOTI	Indian	Spain	Txori Argi	9286724	106.50m
Tuna	SIOTI	Indian	Spain	Txori Gorri	9383156	95.80m
Tuna	SIOTI	Indian	Spain	Itxas Txori	9702869	83.80m
Tuna	SIOTI	Indian	Spain	Izurdia	9292785	108.00m
Tuna	SIOTI	Indian	Spain	Doniene	9130779	109.30m
Tuna	SIOTI	Indian	Spain	Alakrana	9335745	104.30m
Tuna	SIOTI	Indian	Spain	Elai Alai	9046966	80.00m
Tuna	SIOTI	Indian	Spain	Albacora Cuatro	7325904	83.45m
Tuna	SIOTI	Indian	Spain	Aterpe Alai	9842011	89
Tuna	TUNACONS	Pacific	Ecuador	Drennec.	8111453	80.50m
Tuna	TUNACONS	Pacific	Ecuador	Elizabeth F.	7383683	51.51m
Tuna	TUNACONS	Pacific	Ecuador	Gabriela A.	9007403	41.60m
Tuna	TUNACONS	Pacific	Ecuador	Gloria A.	7011632	50.60m
Tuna	TUNACONS	Pacific	Ecuador	Maria del Mar A.	7503142	80.10m
Tuna	TUNACONS	Pacific	Ecuador	Milagros A.	7806312	76.12m
Tuna	TUNACONS	Pacific	Ecuador	Milena A.	7342287	62.17m
Tuna	TUNACONS	Pacific	Ecuador	Rafa A	8818348	41.73m
Tuna	TUNACONS	Pacific	Ecuador	Ricky A.	7347926	67.30m
Tuna	TUNACONS	Pacific	Ecuador	Roberto A.	9007427	41.60m
Tuna	TUNACONS	Pacific	Ecuador	Rosa F.	7383712	51.65m
Tuna	TUNACONS	Pacific	Ecuador	Via Simoun.	7809285	69.00m
Tuna	TUNACONS	Pacific	Ecuador	Rocio	7367495	71.50m
Tuna	TUNACONS	Pacific	Ecuador	Doña Roge	7005279	56.97m
Tuna	TUNACONS	Pacific	Ecuador	Doña Maruja	8502262	48.50m
Tuna	TUNACONS	Pacific	Ecuador	Don Bartolo	7005839	50.04m
Tuna	TUNACONS	Pacific	Ecuador	Chiara	8029038	61.56m
Tuna	TUNACONS	Pacific	Ecuador	Giulietta	8210481	61.56m
Tuna	TUNACONS	Pacific	Ecuador	Don Antonio	8647969	38.91m
Tuna	TUNACONS	Pacific	Ecuador	Jo Linda	7202293	45.50m
Tuna	TUNACONS	Pacific	Ecuador	Don Igilio	8717087	62.96m





Species	FIP	Ocean	Flag Country	Vessel name	IMO number	Length overall
Tuna	TUNACONS	Pacific	Ecuador	Alessia	8618736	56.90m
Tuna	TUNACONS	Pacific	Ecuador	Adriana	7124697	68.75m
Tuna	TUNACONS	Pacific	Ecuador	Miranda	9020182	63.51m
Tuna	TUNACONS	Pacific	Ecuador	Alina	7920168	53.85m
Tuna	TUNACONS	Pacific	Ecuador	Claudia L.	8974520	40.86m
Tuna	TUNACONS	Pacific	Ecuador	Domenica L.	8000886	34.59m
Tuna	TUNACONS	Pacific	Ecuador	Fiorella L.	7415474	39.31m
Tuna	TUNACONS	Pacific	Ecuador	Malula.	8212972	55.17m
Tuna	TUNACONS	Pacific	Ecuador	Rossana L.	7930735	55.16m
Tuna	TUNACONS	Pacific	Ecuador	Panchito L.	8212984	55.16m
Tuna	TUNACONS	Pacific	Ecuador	Yolanda L.	7407958	66.46m
Tuna	TUNACONS	Pacific	Panama	El Marquez.	7515652	41.48m
Tuna	TUNACONS	Pacific	Panama	Juan Pablo II	9831189	76.88m
Tuna	TUNACONS	Pacific	Panama	Reina de la Paz	9545792	80.60m
Tuna	TUNACONS	Pacific	Panama	Diva Maria	7915917	78.83m
Tuna	TUNACONS	Pacific	Panama	Ljubica	9681584	89.28m
Tuna	TUNACONS	Pacific	United States	Cape Breton	7803255	72.25m
Tuna	TUNACONS	Pacific	United States	Cape Cod	7806283	67.00m
Tuna	TUNACONS	Pacific	United States	Cape Elizabeth III	9018892	68.82m
Tuna	TUNACONS	Pacific	United States	Cape Ferrat	7803267	72.25m
Tuna	TUNACONS	Pacific	United States	Cape Finisterre	7912094	73.00m
Tuna	TUNACONS	Pacific	United States	Cape May	8103028	61.26m

Associated FIPs	
Eastern Atlantic	Eastern Atlantic tuna - purse seine
OPAGAC	Indian Ocean tropical tuna - purse seine (OPAGAC)
	Eastern Pacific Ocean tropical tuna - purse seine (OPAGAC)
	Western and Central Pacific Ocean tropical tuna - purse seine (OPAGAC)
SIOTI	Indian Ocean tuna - purse seine (SIOTI)
TUNACONS	Eastern Pacific Ocean tropical tuna - purse seine (TUNACONS)