







# **TESCO**

# **Tesco**

Tesco is an international retailer, with headquarters in the UK. With seafood on offer across chilled, frozen, canned and food to go categories, we are the UK's biggest fishmonger.

2018

Number of Fisheries Used	Number of Fisheries Well Managed	Number of Fisheries Managed	Number of Fisheries in an Improvement Project (FIP)	Fisheries in a				
71	32	13	5	1				
Fishing Methods Used in Associated Fisheries								
Midwater trawl	<ul> <li>Purse seine</li> </ul>	<ul><li>Hook ar</li></ul>	nd line	- Rake / hand gathered /				
• Bottom trawl	■ Seine nets	<ul><li>Long lin</li></ul>	е	hand netted				
<ul><li>Dredge</li></ul>	Gillnets and entangling     Handlines and pole-lines		es and pole-lines	<ul><li>Pots and traps</li></ul>				
	nets							

# Summary

Improving marine sustainability is a key part of our commitment to make sustainable products affordable and accessible for all. It is embedded in our sustainability strategy – the Little Helps Plan – which sets out our commitment to sustainably source all our wild fish and ensure human rights are respected throughout our supply chains. In 2017, 69.7% of Tesco's wild seafood was sourced from fisheries certified to the Marine Stewardship Council (MSC) Standard. Our aim is for all of our source fisheries to meet this standard and go on to fulfil all of the continuous improvements required as part of their certification.

Every day we work with our suppliers, fishermen and the seafood industry to promote improvements in the fisheries we source from, including through Fishery Improvement Projects (FIPs) – which involve different actors in a fishery coming together to agree and implement an action plan focused on the key improvements that need to be made. We adopt a zero tolerance policy towards Illegal, Unreported and Unregulated (IUU) fishing, and have worked with other leaders in the seafood industry to promote industry best practice on traceability and fisheries monitoring.

From a human rights perspective, the seafood sector is a key priority – working at sea can be dangerous, employment is sometimes informal and working hours can be long. In some parts of the global fishing sector there have been incidences of forced labour and other serious human rights abuses. We believe that no workers involved in our seafood supply chains should be mistreated or working in unsafe conditions. We risk assess all of our source fisheries, working with our suppliers to ensure improvements are made where required, and take part in multi-stakeholder initiatives to help address entrenched industry-wide issues.

Being transparent about our seafood sourcing allows us to identify hotspots and identify areas where we can collaborate with others. We are committed to working with our suppliers, fishermen and NGOs to continually improve the sustainability of our seafood, so that customers can enjoy this healthy and affordable source of protein long into the future.

This profile covers all main wild-caught seafood sourced in 2017.



https://www.tescoplc.com/little-helps-plan/

# **Associated Fisheries**



Species and Location	Production Methods	Certification or Improvement Project	Stock Status and Management	Notes	
	Midwater trawl	Certified	Well managed	~	

Alaska pollock Theragra chalcogramma

Aleutian Islands, E Bering Sea, Gulf of Alaska, Sea of Okhotsk

Fishery countries:

Russia, U.S.

#### **Environmental Notes**

- This fishery is unlikely to have direct impacts on PET 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.



# **Environmental Notes**

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

# **General Notes**

• Tesco no longer sources from this fishery.



# **Environmental Notes**

- This fishery is unlikely to impact PET species; incidental capture of PET species by troll and handline gear is uncommon.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

#### **General Notes**

• Tesco no longer sources from this fishery.



American lobster
Homarus americanus

Gulf of St. Lawrence South

Fishery countries:

# **Environmental Notes**

- This fishery is unlikely to impact PET species. The risk to marine mammals of entanglement in lobster gear is considered low.
- 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



# **Environmental Notes**

- There are risks to seabirds and marine mammals with this fishery.
- Bycatch consists of flatfish species, predominantly founder.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

• Tesco no longer sources from this fishery.



# **Environmental Notes**

- There are risks to seabirds and marine mammals with this fishery, but there are mitigation measures in place.
- 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. MSC conditions and recommendations are in place to strengthen understanding of fishery interactions with sensitive habitat.

# **General Notes**

• No additional notes.



Iceland

Midwater trawl
Bottom trawl
Seine nets
Gillnets and
entangling nets
Long line
Handlines and
pole-lines

Certified

Well managed



#### **Environmental Notes**

- This fishery is unlikely to have direct impacts on PET species.
- 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.

#### **General Notes**

• No additional notes.



Seine nets Long line

Certified

Well managed



#### **Environmental Notes**

- This fishery is unlikely to impact PET species. An MSC condition is in place to review gear interactions with PET species and implement mitigation measures where needed.
- Bycatch is a risk in this fishery but there are mitigation measures in place. An MSC condition is in place to assess and manage potential impacts on bycatch species.
- The impact depends on the gear type. An MSC condition is in place to assess the impact of the fisheries on sensitive habitats.

# **General Notes**

No additional notes.



Midwater trawl
Purse seine

Certified



# NE Atlantic Spring spawners

#### Fishery countries:

Denmark, Faroe Islands,

France, Germany,

Iceland, Ireland,

Lithuania, Netherlands,

Norway, U.K., Russia

#### **Environmental Notes**

- This fishery is unlikely to impact PET 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 herring**

Clupea harengus

North Sea Autumn spawners

Fishery countries:

Denmark, U.K., Netherlands Midwater trawl
Purse seine

Certified

Well managed

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# **Environmental Notes**

- This fishery is unlikely to impact PET 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:

Denmark, France,

Germany, Ireland,

Lithuania, Netherlands,

U.K.

Midwater trawl
Purse seine

Certified



- There are risks to PET species with this fishery, but there is insufficient data available to assess significance.
- 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.



**Blonde ray** 

Raja brachyura

Bottom trawl

Not certified or in a FIP

Needs improvement

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Irish and Celtic Seas

Fishery countries:

UK

#### **Environmental Notes**

- This fishery may occasionally interact with PET species.
- Multiple species are likely to be caught in this fishery. This species is caught as bycatch.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

Rays are caught as by-catch and are not directly targeted. The management of ray stocks in these areas are based on the best scientific data available and the quota to limit catches to within sustainable levels is set on the basis of by independent scientific advice provided by ICES.

#### Other ratings

The Marine Conservation Society categorises the Irish and Celtic Seas fishery for blonde ray as "Rating 5 (red)".

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

# References

MCS's Good Fish Guide - Ray, blonde, Irish and Celtic Seas



#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch in this fishery is considered low.
- Dredges will directly impact on the sea bed. An MSC condition is in place to assess the impact of mussel dredges on the sea floor.

# **General Notes**

• No additional notes.



Certified



#### **Fast Jutland**

#### Fishery countries:

Denmark

#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch in this fishery is considered low.
- Light-weight dredge gear and fishing area restrictions are used to reduce the impact of the fishery on the sea bed. This fishery is assessed as highly unlikely to reduce habitat structure and function to a point where there would be serious or irreversible harm.

#### **General Notes**

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

MRAG Americas Inc. 2017, DFPO Inner Danish Waters Blue Shell Mussel MSC 2nd Assessment Public Certification Report



# **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Management measures are in place to minimise bycatch of non-target salmon stocks.
- This fishery is unlikely to have a significant impact on the sea bed.

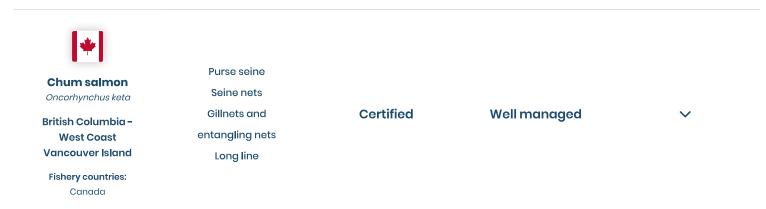
# **General Notes**

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

<u>Intertek Moody Marine, 2013, Alaska Salmon Fishery MSC Public Certification Report</u>



# **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Management measures are in place to minimise bycatch of non-target salmon stocks.
- This fishery is unlikely to have a significant impact on the sea bed.

# **General Notes**

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Acoura Marine, 2017, British Columbia Salmon Fishery MSC Public Certification Report



**Cuckoo ray** 

Raja naevus

Bottom trawl

Not certified or in a FIP

Needs improvement



Celtic Sea

Fishery countries:

U.K.

#### **Environmental Notes**

- There are risks to PET species including the angelshark, which is vulnerable to fishing in this area.
- Multiple species are likely to be caught in this fishery. This species is caught as bycatch.
- Bottom trawls will directly impact on the sea bed.

# **General Notes**

#### Other ratings

The Marine Conservation Society categorises the Celtic Sea and West of Scotland fishery for cuckoo ray caught with demersal otter trawl as "Rating 4 (orange)".

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Ray, cuckoo, Celtic Sea and West of Scotland



# Deep-water Cape

hake

Merluccius paradoxus

Bottom trawl

Certified

Well managed



South Africa

Fishery countries:

South Africa

# **Environmental Notes**

- There are risks to seabirds with this fishery, but there are mitigation measures in place. An MSC condition is in place to gather information on fishery impacts on bird species.
- Bycatch is a risk for this fishery but there are mitigation measures in place.

Pots and traps

• Bottom trawls will directly impact on the sea bed. An MSC condition is in place to investigate options for protecting benthic habitats.

#### **General Notes**

• No additional notes.



Not certified or in a FIP

Needs improvement



Orkney

Fishery countries:

U.K.

#### **Environmental Notes**

- 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**

This fishery was in an FIP from 2012 to 2017. The Orkney edible crab creel fishery then entered into the full MSC assessment process in May 2017, it is anticipated that if the fishery meets the standard it will be certified in 2018.

#### Other ratings

The Marine Conservation Society categorises the Orkney fishery for edible crab using creels and pots as "Rating 3 (yellow)". This rating was downgraded from "Rating 2 (pale green) in 2018.

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Crab, brown or edible, Orkney



# **Environmental Notes**

- There are risks to marine mammals and sharks 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 fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

#### Other ratings

The Marine Conservation Society categorises the Northwest Africa fishery for anchovy using purse seine as "Rating 3 (yellow)".

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Anchovy, anchovies, Northwest Africa, Morocco and Mauritania

Gillnets and entangling nets



Certified



**NE Atlantic northern** stock

Fishery countries:

U.K.

#### **Environmental Notes**

- There are risks to marine mammals, sharks, skates and rays with this fishery, but there is insufficient data available to assess significance.
- 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.



# **European pilchard**

Sardina pilchardus

Bay of Biscay, **Southern Celtic Seas** and English Channel

Fishery countries:

U.K.

Purse seine

Gillnets and entangling nets Certified

Well managed

# **Environmental Notes**

- This fishery is unlikely to impact PET 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.



# **European pilchard**

Sardina pilchardus

Purse seine

**FIP** 

Managed



# **NW Africa central**

**Fishery countries:** 

Morocco

# **Environmental Notes**

- Available data is still limited, but work is underway in the Moroccan FIP to determine fishery interactions with PET species.
- 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
- 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.



Bottom trawl Not certified or in a FIP

Managed

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Pleuronectes platessa

Celtic Sea

Fishery countries:

U.K.

#### **Environmental Notes**

- There are risks to sharks, skates and rays with this fishery.
- Bycatch is a significant risk for this fishery.
- Bottom trawls will directly impact on the seabed.

#### **General Notes**

• No additional notes.



#### **European plaice**

Pleuronectes platessa

Eastern English Channel

Fishery countries:

U.K.

Bottom trawl

Not certified or in a FIP

Managed



# **Environmental Notes**

- This fishery is unlikely to impact PET species. However, available information is limited.
- Bycatch is a risk for this fishery.
- Bottom trawls will directly impact the sea bed.

# **General Notes**

No additional notes.



# European plaice

Pleuronectes platessa

Icelandic

Fishery countries:

Bottom trawl Seine nets

Certified

Well managed



# **Environmental Notes**

- This fishery is unlikely to cause unacceptable impacts to PET species.
- There is bycatch for this fishery but management measures are in place to reduce impacts.
- Bottom trawls will directly impact on the sea bed. But, the fishery is considered highly unlikely to irreparably reduce habitat structure and function.

# **General Notes**

• This fishery was MSC certified in 2017.



## **European plaice**

Pleuronectes platessa

North Sea and Skagerrak, Kattegat, **Belts and Sound** 

Fishery countries: Denmark, U.K., Netherlands, Norway **Bottom trawl** Seine nets

Gillnets and entangling nets Some product from certified fisheries

**Needs** improvement

# **Environmental Notes**

- There is a risk to PET species with this fishery. Gillnets present a hazard to seabirds.
- Bycatch is a risk for this fishery. An MSC conditions is in place to assess fishery interactions with seabirds.
- Bottom trawls will directly impact on the seabed.

#### **General Notes**

• The UK component of this fishery is part of the North Sea plaice & lemon sole, mixed gear FIP operating under Project UK. The Norway seine net and gillnet fishery is not certified or in a FIP.



# **European plaice**

Pleuronectes platessa

Western English Channel

Fishery countries:

U.K.

Not certified or in **Bottom trawl** a FIP

Managed



# **Environmental Notes**

- There are risks to PET species with this fishery, but there is insufficient data available to assess significance.
- Bycatch is a risk for this fishery.
- Bottom trawls will directly impact the sea bed.

#### **General Notes**

· No additional notes.



# **European sprat**

Sprattus sprattus

**English channel** 

Fishery countries:

Midwater trawl

Not certified or in a FIP

**Needs** improvement



#### **Environmental Notes**

• This fishery is unlikely to have direct impacts on PET 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.



#### **Environmental Notes**

- There is no information on the impact of this fishery on PET species.
- Information on bycatch is not available for this fishery.
- Dredges will directly impact on the sea bed.

#### **General Notes**

#### Other ratings

There is no information on the Bristol Channel scallop dredge fishery, however, the Marine Conservation Society categorises other UK-based fisheries for Great Atlantic scallop as "Rating 3 (yellow) to Rating 5 (red)".

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

# References

MCS's Good Fish Guide - Scallop, King, scallops



# **Environmental Notes**

- There is no information on the impact of this fishery on PET species.
- Information on bycatch is not available for this fishery.
- Benthic impacts are the primary risk in this fishery. Dredges will directly impact on the sea bed but gear and effort restrictions are in place to reduce impacts.

# **General Notes**

# Other ratings

The Marine Conservation Society categorises the Cornwall dredge fishery for Great Atlantic scallop as "Rating 4 (orange)".

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Scallop, King, scallops, Cornwall

Cornwall Good Seafood Guide - Scallop



#### **Environmental Notes**

- There are risks to sharks, skates and rays with this fishery.
- Bycatch is a risk for this fishery.
- Dredges will directly impact on the sea bed, but gear and effort restrictions are in place to reduce impacts.

#### **General Notes**

This fishery is covered by the Prospective Channel dredge scallop FIP operating under Project UK.

#### Other ratings

The Marine Conservation Society categorises the Western Channel Inshore dredge fishery for Great Atlantic scallop as "Rating 3 (yellow)".

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

## References

MCS's Good Fish Guide - Scallop, King, scallops, Western Channel Inshore

<u>Fishery Progress - PROSPECTIVE United Kingdom great Atlantic scallop - dredge FIP</u>



#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch varies for this fishery depending on gear type. Long lines and gillnets present the greatest risk.
- Bottom trawls will directly impact on the sea bed.

# **General Notes**

• No additional notes.



Melanogrammus aeglefinus

**Icelandic** 

Fishery countries: lceland Midwater trawl

Bottom trawl Seine nets

Gillnets and

entangling nets

Long line

Handlines and

pole-lines

Certified

Well managed

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#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low.
- 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.



Indian squid

Loligo duvauceli

India

Fishery countries:

India

Hook and line
Handlines and
pole-lines

Not certified or in a FIP Needs improvement



# **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is predominantly associated with trawl gears.
- Impacts on the sea bed are predominantly associated with trawl gears.

#### **General Notes**

• Environmental concerns associated with the trawl fisheries, in which most Indian squid are captured, are less relevant for non-mechanized gear types.



# Japanese flying squid

Todarodes pacificus

Midwater trawl

**Prospective FIP** 

Needs improvement



East China Sea and Japan Sea

Fishery countries:

China

# **Environmental Notes**

• There is no information on the impact of this fishery on PET species.

- Information on bycatch is not available for this fishery.
- The midwater trawl fishery is unlikely to have a significant impact on the sea bed, however, the combined impacts from the multi-gear fishery are unknown.

#### **General Notes**

There is a lack of information on stock status and mortality rates for Japanese flying squid in Chinese waters. Japan's midwater trawl fishery for Japanese flying squid is considered Managed based on FishSource scores.

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Fishery Progress, East China Sea and Yellow Sea Japanese flying squid - trawl



# **Environmental Notes**

- There are risks to seabirds and marine mammals in Icelandic waters, but there is insufficient information available to assess risks in this fishery.
- Bycatch is a risk for this fishery, but available information is limited.
- Bottom trawls will directly impact on the sea bed.

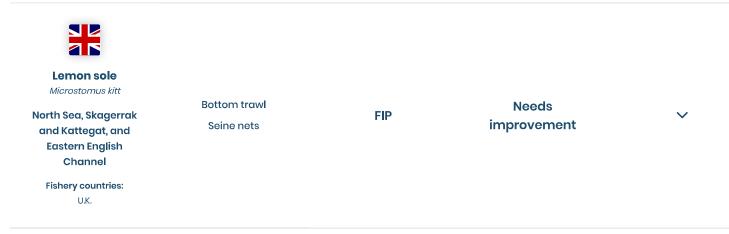
# **General Notes**

# Caveat

Some of the environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

<u>ICES Ecosystem Overviews - Icelandic Waters Ecoregion</u>



# **Environmental Notes**

- There is insufficient information available to assess risks to PET species in this fishery.
- This fish is caught as a bycatch species in mixed fisheries.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

This fishery is part of the North Sea plaice & lemon sole, mixed gear FIP operating under Project UK.

#### Other ratings

The Marine Conservation Society categorises the North Sea, Skagerrak, Kattegat and Eastern English Channel fishery for lemon sole caught with demersal otter trawl as "Rating 3 (yellow)". The North Sea, Skagerrak, Kattegat and Eastern English Channel fishery for lemon sole caught with seine net is categorised as "Rating 2 (pale green) - this rating was upgraded from "Rating 3 (yellow) in 2018.

#### Cayea

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Sole, Lemon, North Sea, Skagerrak, Kattegat and Eastern English Channel



#### **Environmental Notes**

- There are risks to marine mammals, sharks, skates and rays with this fishery, but there is insufficient data available to assess significance.
- Bycatch is a risk for this fishery, but available information is limited.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

#### Caveat

Some of the environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Cornwall Good Seafood Guide - Lemon Sole



#### **Environmental Notes**

- There are risks to marine mammals, sharks, skates and seabirds with this fishery, but there is insufficient data available to assess significance,
- This fish is caught as a target species and as bycatch in mixed trawl fisheries. Bycatch is a risk for this fishery, but available information is
  limited
- Bottom trawls will directly impact on the seabed.

# General Notes

### Caveat

Some of the environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.



#### **North Pacific hake**

Merluccius productus

Midwater trawl

Certified

Well managed

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**NE Pacific** 

Fishery countries:

U.S.

#### **Environmental Notes**

- This fishery is unlikely to impact PET 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.



#### Northern prawn

Pandalus borealis

Atlantic Canada: SFAs 2–6, SFA9, SFA12

Fishery countries:

Canada

Bottom trawl

Certified

Well managed

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#### **Environmental Notes**

- There are risks to seabirds with this fishery, but there is insufficient data available to assess significance.
- Bycatch of non-target species is considered low and mitigation measures are in place.
- Bottom trawls will directly impact on the sea bed.

# **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.

#### Caveat

Some of the environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Seafish Risk Assessment for Sourcing Seafood (RASS) - Northern shrimp (Pandalus borealis), mutiple profiles,



## Northern prawn

Pandalus borealis

Bottom trawl

Certified

Well managed



Barents Sea
Fishery countries:

Estonia, Faroe Islands,

Norway

#### **Environmental Notes**

- · Seabirds and marine mammals are present in the fishery area, but no informatiion on interactions was found.
- Bycatch is a risk for this fishery, but there are mitigation measures in place.
- Bottom trawls will directly impact on the sea bed.

#### **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.



#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low and mitigation measures are in place.
- Bottom trawls will directly impact on the sea bed.

#### **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.



# **Environmental Notes**

- Impacts on PET species are likely to be low. However, available information is limited.
- Bycatch for this fishery is considered low and mitigation measures are in place.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

#### Caveat

Some of the environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Seafish Risk Assessment for Sourcing Seafood (RASS) - Northern shrimp (Pandalus borealis) in Canadian waters, Shrimp Fishing Areas (SFAs) 13-16, Demersal otter trawl



Pandalus borealis

# Icelandic inshore and

Fishery countries:

Iceland

#### **Environmental Notes**

- This fishery is unlikely to have direct impacts on PET species. While halibut is landed by the offshore fleet, regulations are in place to manage impacts on the species. No interactions with any other PET species are thought to occur.
- Management measures are in place to reduce impacts on bycatch species. The most commonly caught bycatch species are cod and Greenland halibut. Fishing area closures are implemented if catches of small redfish, cod or halibut exceed thresholds.
- 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 fishery is currently undergoing MSC full assessment and has been recommended for certification.

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

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

DNV GL, August 2018, Public Comment Draft Report - Initial assessment of the ISF Iceland Northern shrimp fishery (inshore and offshore)

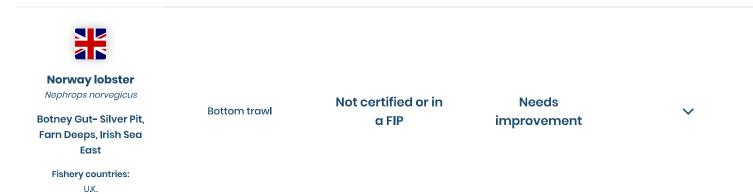


# **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed.

# **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.



#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch is a risk for this fishery.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

#### **General Notes**

This fishery entered into a Prospective FIP from October 2018.

#### Other ratings

The Marine Conservation Society categorises the Botney Gut - Silver Pit fishery for Norway lobster caught with demersal otter trawl as "Rating 3 (yellow)", and the Farn Deeps fishery for Norway lobster caught with demersal otter trawl as "Rating 5 (red)".

#### Caveat

The stock status and management rating for the Botney Gut – Silver Pit and Farns Deep component of this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Lobster, Norway, Langoustine, Dublin Bay prawn or scampi

Fishery Progress - PROSPECTIVE United Kingdom Norway lobster - pot/trap & trawl



#### **Environmental Notes**

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

#### **General Notes**

This fishery entered into a Prospective FIP from October 2018.

#### Other ratings

The Marine Conservation Society categorises the Fladen Ground fishery for Norway lobster caught with demersal otter trawl as "Rating 2 (pale green)".

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Lobster, Norway, Langoustine, Dublin Bay prawn or scampi

<u>Fishery Progress - PROSPECTIVE United Kingdom Norway lobster - pot/trap & trawl</u>



Bottom trawl

Not certified or in a FIP

Needs improvement



**Norway lobster** *Nephrops norvegicus* 

South Minch, North Minch, Firth of Clyde

Fishery countries:

U.K

#### **Environmental Notes**

- This fishery may present a risk to sharks, skates and rays.
- Bycatch for this fishery includes whiting, haddock and Norway pout. Bycatch of cod is low and mitigation measures are in place to reduce impacts on cod.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

#### **General Notes**

This fishery entered into a Prospective FIP from October 2018.

#### References

<u>Fishery Progress - PROSPECTIVE United Kingdom Norway lobster - pot/trap & trawl</u>

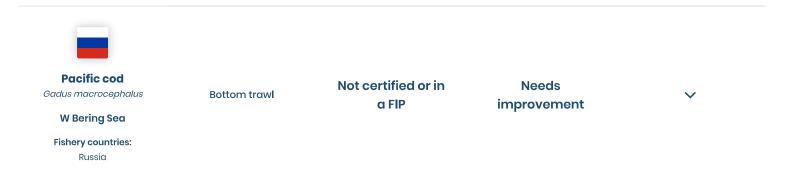


#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

# **General Notes**

No additional notes.



#### **Environmental Notes**

- There are risks to seabirds with this fishery.
- Bycatch is a significant risk for this fishery. This fish is caught as bycatch in other fisheries.
- Bottom trawls will directly impact on the sea bed.

# **General Notes**

Tesco no longer sources from this fishery.

#### Other ratings

Seafood Watch categorises Pacific cod caught in the Russian Federation with bottom trawls as a "Avoid", with a score for Criterion 1: Target Species of 3.05 and a score for Criterion 3: Management of 1.73.

The Marine Conservation Society categorises the Russia West Bering Sea, East Kamchatka & Karaginsky fisheries for Pacific cod caught with bottom trawls as "Rating 4 (orange)".

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

MCS's Good Fish Guide - Cod, Pacific Cod

Seafood Watch, 2014, Russian Federation Pacific Cod Seafood Watch Report



#### **Patagonian**

#### scallop

Zygochlamys patagonica

**Bottom trawl** 

Certified

Well managed



**Argentine** 

Fishery countries:

Argentina

#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

# **General Notes**

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

Organizacion Internacional Agropecuaria (OIA), June 2017, Public Comment Draft Report for Patagonian Scallop Bottom Otter Trawl Fishery in **Argentine Sea** 



#### Pink salmon

Oncorhynchus gorbuscha

Alaska

Fishery countries: U.S.

Purse seine Gillnets and entangling nets

Certified

Well managed



# **Environmental Notes**

- While encounters with marine mammals and birds have been documented in this fishery, the impact on PET 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**

#### Caveat

The environmental notes for this fishery are based on information that is partly derived from sources other than the FishSource profile.

#### References

Intertek Moody Marine, 2013, MSC Public Certification Report for Alaska Salmon Fishery

Needs improvement



Raja rays nei (multispecies)

Raja spp.

**Bristol Channel** 

Fishery countries:

U.K.

#### **Environmental Notes**

- Occasional interactions with PET species may occur with this fishery.
- Raja rays are mainly caught as bycatch in this fishery. Bycatch of other species may also occur.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

The fishery is not believed to pose a high environmental risk. However, very little to nothing is known about this fishery's specific impacts. There is a Seafish skates and rays working group and UK retailers follow their recommendations regarding responsible sourcing of particular species.

#### Other ratings

The Marine Conservation Society categorises the Bristol Channel fishery for Raja ray species caught with demersal trawl as "Rating 3 (yellow) to Rating 4 (orange)".

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Ray, Bristol Channel (several fisheries)



#### **Environmental Notes**

- There is a lack of information on interactions with PET species in this fishery, but the introduced red swamp crawfish presents a risk to native crawfish species.
- Bycatch for this fishery is likely to be low.
- This fishery takes place in natural freshwater systems and rice fields and is unlikely to have a significant impact on the benthic habitat.

#### **General Notes**

As an introduced species, the impacts of the fishery on native species and ecosystems need to be considered.

# Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Fishery Progress, China crayfish - pot/trap

SAI Global, 2016, Report on Qianjiang Hubei Province Red Swamp Crayfish fisheries - A Technical Review Document for the Development of a Fishery Improvement Project





Merluccius capensis

South Africa

Fishery countries: South Africa

#### **Environmental Notes**

- Previous concerns over interactions with seabirds have been mitigated using bird scaring lines and a reduction in fishing effort. However, information on seabird bycatch mortality is still limited.
- There is bycatch for this fishery but there is a strategy in place for managing retained species. The discard rate for the fishery is very low and the fishery is unlikely to hinder the recovery of discarded species.
- 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**

#### Caveat

The environmental notes for this fishery are partly based on information from sources other than the FishSource profile.

Intertek, 2015, MSC Public Certification Report for South Africa Hake Trawl Fishery



# **Environmental Notes**

- No protected species are affected by the fishery.
- Bycatch is a risk for this fishery.
- Fyke nets have minimal benthic impact.

# **General Notes**

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

# Other ratings

No formal stock assessments are available for this species. Under the New Zealand Threat Classification System, the short-finned eel is classed as "Not threatened"

# Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

# References

New Zealand Department of Conservation, Freshwater eels in New Zealand

New Zealand Ministry of Fisheries, South Island Freshwater eels Fisheries Plan (Draft)





Skipjack tuna

Katsuwonus pelamis

**Eastern Atlantic** Ocean

Fishery countries: Ghana, Senegal, Spain Handlines and pole-lines

# **Environmental Notes**

- This fishery is unlikely to impact PET 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.



# Skipjack tuna

Katsuwonus pelamis

Indian Ocean

Fishery countries: Maldives

Handlines and pole-lines

Certified

Well managed



# **Environmental Notes**

- This fishery is unlikely to impact PET 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.



#### Skipjack tuna

Katsuwonus pelamis

**Western Atlantic** Ocean

Fishery countries: Brazil

Handlines and pole-lines

Not certified or in a FIP

Managed



#### **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low. But, bycatch of undersized yellowfin tuna is a risk for the Brazilian fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

# **General Notes**

• No additional notes.





Katsuwonus pelamis

# Western and Central Pacific Ocean

Fishery countries:

Solomon Islands

#### **Environmental Notes**

- Purse seine gear present a hazard to sea turtles and marine mammals, however, the number of interactions is low.
- Bycatch for this fishery includes other tuna, billfishes and sharks. Non-tuna retained and bycatch species are a small proportion of the catch. Sharks are released alive 90% of the time.
- This fishery is unlikely to have a significant impact on the sea bed.

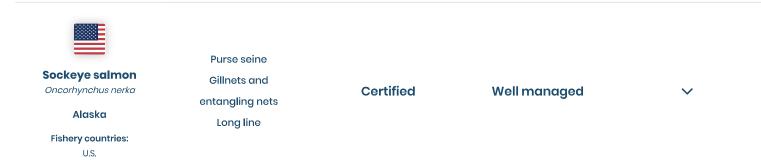
#### **General Notes**

#### Caveat

The environmental notes for this fishery are based on information provided in the MSC public certification report and are not derived from the FishSource profile.

#### References

MRAG Americas, 2016, MSC Public Certification Report for Solomon Islands Skipjack and Yellowfin Tuna Purse Seine Anchored FAD, Purse Seine Unassociated, and Pole and Line



# **Environmental Notes**

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

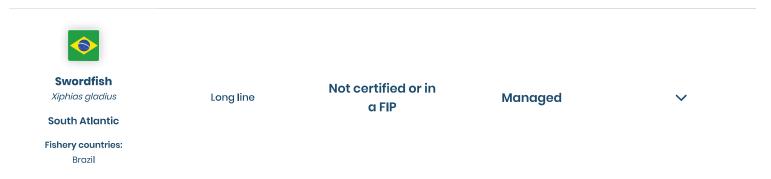
# General Notes

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Intertek Moody Marine, 2013, MSC Public Certification Report for the Alaska Salmon Fishery



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

#### **General Notes**

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

Seafood Watch, 2016, Atlantic Ocean Swordfish, Albacore, Bigeye and Yellowfin Tuna (Longline) Seafood Watch Report



#### **Environmental Notes**

- Catch of PET species is a risk for this fishery.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

#### **General Notes**

There is a lack of information on stock status and mortality rates for swordtip squid. Similar pelagic trawl fisheries for squid are considered overfished.

# Other ratings

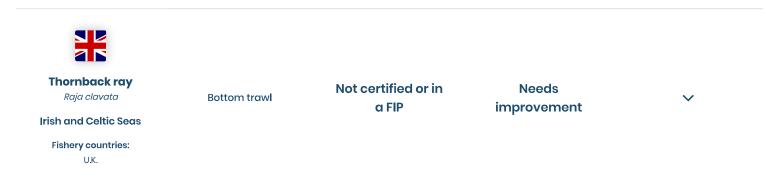
The Marine Conservation Society categorises the Indonesia and Vietnam fishery for Common Chinese squid caught with pelagic trawl as "Rating 5 (red)".

# Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

# References

MCS'S Good Fish Guide - Squid, Common Chinese, Viet Nam, Thailand and Indonesia



# **Environmental Notes**

- Occasional interactions with PET species may occur with this fishery.
- This species is mainly caught as bycatch in this fishery. Bycatch of other species may also occur.
- Bottom trawls will directly impact on the sea bed.

# **General Notes**

#### Other ratings

The Marine Conservation Society categorises the Irish and Celtic Seas Pit fishery for thornback ray caught with demersal otter trawl as "Rating 4 (orange)".

#### Caveat

The stock status and management rating for this fishery is based on a provisional assessment and is not derived from the FishSource profile.

#### References

MCS's Good Fish Guide - Ray, thornback ray, Roker, Irish and Celtic Seas



# Warty swimming

crab

Portunus haanii

Pots and traps

Not certified or in a FIP

Needs improvement

**~** 

Vietnam

Fishery countries: Vietnam

#### **Environmental Notes**

- This fishery is thought unlikely to impact PET species, but available information is limited.
- The risk to bycatch species is likely to be low, but available information is limited.
- This fishery is unlikely to have a significant impact on the sea bed.

# **General Notes**

Little is known about the stock status or stock structure for this species.

#### Other ratings

There is no information on the Vietnamese fishery for warty swimming crab, however, Seafood Watch categorises warty swimming crab caught in China with pots as Avoid.

#### Caveat

The stock status and management rating and environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

# References

Seafood Watch, January 2013, China, India, Indonesia, Thailand and Vietnam Blue and Red Swimming Crab Seafood Watch Report



# **Environmental Notes**

- There are risks to PET species with this fishery. Gillnets present a hazard to marine mammals. Bycatch of lamprey has been observed for bottom trawls. Both gear types present a hazard to shad.
- Bycatch is a risk in this fishery, but there is insufficient data available to assess significance.
- Benthic impacts vary by gear type. Bottom trawls will directly impact on the sea bed.

#### **General Notes**



# Yellowfin sole

Limanda aspera

Bering Sea and Aleutian Islands

Fishery countries:

U.S.

Bottom trawl Certified

Well managed

**V** 

# **Environmental Notes**

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed.

#### **General Notes**

#### Caveat

The environmental notes for this fishery are based on a provisional assessment and are not derived from the FishSource profile.

#### References

MRAG Americas, 2015, MSC Public Certification Report for Bering Sea-Aleutian Islands Alaska Flatfish Fishery



# Yellowfin tuna

Thunnus albacares

Indian Ocean

Fishery countries: India, Maldives, South Korea Long line
Handlines and
pole-lines

Not certified or in a FIP

Needs improvement



# **Environmental Notes**

- Risks to PET species vary by gear type. Longlines present a hazard to seabirds, sea turtles, marine mammals and sharks, but these risks can be reduced through proper management of fishing gear.
- Bycatch varies for this fishery depending on gear type. Long lines present the greatest risk, while bycatch for pole and line gear is considered very low.
- This fishery is unlikely to have a significant impact on the sea bed.

# **General Notes**

• No additional notes.



Yellowfin tuna

Thunnus albacares

Western and Central Pacific Ocean

**Fishery countries:** Indonesia, South Korea

Hook and line
Long line
Handlines and
pole-lines

Some product from FIP fisheries

Managed



# **Environmental Notes**

- Risks to PET species vary by gear type. Longlines present a hazard to seabirds, sea turtles, marine mammals and sharks.
- Bycatch varies for this fishery depending on gear type. Longlines present the greatest risk, while bycatch for pole and line gear is considered very low.
- This fishery is unlikely to have a significant impact on the sea bed.

# **General Notes**

• No additional notes.



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