

How ODP Works



Publix

Publix.

Founded in 1930 in Winter Haven, Florida, Publix is now the largest employee-owned grocery chain in the United States. Publix is one of the 10 largest-volume supermarket chains in the country, with over 1,200 stores throughout the south from Virginia to Florida. Publix currently sells over 300 seafood products, including fresh, frozen and processed seafood, and also offers a special request service for fresh fish, with up to 80 species on offer.

2019

Summary

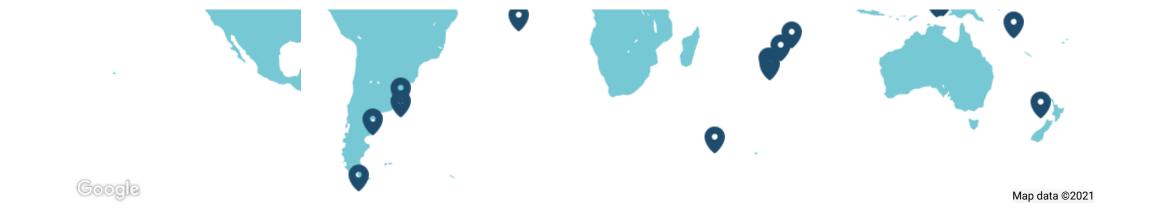
In 2017, Publix was lauded for becoming the first US supermarket retailer to participate in the Ocean Disclosure Project. Publix has been a partner with Sustainable Fisheries Partnership (SFP) since 2009 and was an early adopter of the fishery improvement project (FIP) approach. Actively encouraging its suppliers to participate in FIPs where needed, Publix played an important role in bringing key stakeholders to the table to get the <u>Gulf of Mexico shrimp</u> and snapper/grouper FIPs started. Publix regularly convenes all of their seafood suppliers to talk about sustainability and works with the National Fisheries Institute (NFI), and the Food Marketing Institute (FMI) to drive change in the industry.

The profile below covers fresh and frozen case and Publix-branded products sourced in 2018 only.

- https://sustainability.publix.com/
- https://ww4.publix.com/products-services/seafood/sustainable-seafood

Associated Fisheries





Species and Location	Production Methods	Certification or Improvement Project	Sustainability Ratings	Notes
	Bottom trawl	Certified	FishSource Well Managed	~
Acadian redfish Sebastes fasciatus Gulf of Maine and			NOAA FSSI 4	
Georges Bank Fishery countries: U.S.				

- This fishery is unlikely to have unacceptable impacts on PET species. PET species that may interact with the fishery include marine mammals, sea turtles and Atlantic sturgeon, but recorded interactions are low.
- This fishery does not pose a risk of serious harm to bycatch species. Major bycatch species include dogfish and skate, of which, thorny skate is overfished. There is a partial strategy in place to ensure the fishery does not hinder the recovery of thorny skate.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

General Notes

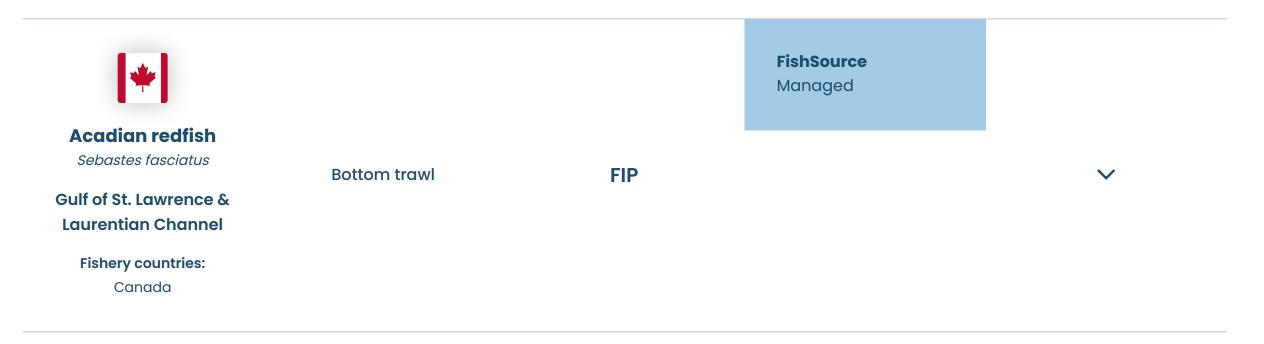
• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.

Caveat

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

Reference

SAI Global, 2016, MSC Assessment Final Report and Determination for US Acadian Redfish, Pollock and Haddock Otter Trawl Fishery.



- This fishery is not believed to be an issue for PET species.
- Bycatch for this fishery is a risk.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This fishery is part of the Canada redfish (Unit 1 & 2) - trawl FIP as of April 2018.

References

Fishery Progress, Canada redfish (Unit 1 & 2) - trawl



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.
- NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Environmental Notes

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

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Fishery countries:

U.S.

Environmental Notes

• Profile not yet complete.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



American cupped

oyster

Crassostrea virginica

Louisiana

Fishery countries:

U.S.

Dredge

Not certified or in a FIP

Sustainability not rated

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Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



American cupped

oyster

Crassostrea virginica

US Atlantic

U.S.

Fishery countries:

Dredge

Rake / hand gathered / hand

netted

Pots and traps

Not certified or in a FIP

FishSource

Needs Improvement

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Certified

FishSourceWell Managed



Georges Bank and Off-Shore Nova Scotia

Fishery countries:

Canada

Environmental Notes

- Direct effects of the fishery on PET species are thought likely to be low. While entanglement in lobster gear presents a risk to marine mammals, especially North Atlantic right whales, no entanglements of right whales were reported in the MSC public certification report.
- 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

References

Intertek, 2015, MSC Public Certification Report for Eastern Canada Offshore Lobster Fishery



Environmental Notes

- There are risks to marine mammals with this fishery, but there are mitigation measures in place.
- Bycatch of fin-fish, particularly cod, is a risk in this fishery, but there is insufficient data available to assess significance.
- While this fishery is unlikely to have a significant impact on the sea bed, an MSC condition is in place to better understand potential habitat impacts.

General Notes

• No additional notes.



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.

Certified

FishSource Well Managed

Newfoundland

Homarus americanus

Fishery countries:

Canada

Environmental Notes

- The risk to endangered right whales of entanglement in lobster gear remains a concern.
- Bycatch for this fishery is considered low.
- 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.

Reference

Fisheries and Oceans Canada, Assessment of American lobster in Newfoundland - Science Advisory Report, 2016

Safina Center, 2014, American lobster report



FishSource

Needs Improvement

Homarus americanus

Southern New

Pots and traps

Not certified or in a FIP

England/Mid Atlantic

Fishery countries: U.S.

Environmental Notes

- There are potential risks to PET species with this fishery, but mitigation actions are underway.
- 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.



FishSource

Well Managed

American lobster

Homarus americanus Certified Pots and traps

SW Nova Scotia

Fishery countries:

Canada

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

Caveat

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

Reference

SAI Global, MSC Assessment for Bay of Fundy, Scotian Shelf and Southern Gulf of St Lawrence lobster (Homarus americanus) Trap Fisheries - Public Certification Report, 2015



Environmental Notes

- This fishery is unlikely to have significant impacts on PET species.
- Bycatch for this fishery is likely to be low. Furthermore, bycatch of commercial finfish is included in groundfish quotas.
- Dredges will directly impact on the sea bed.

General Notes

No additional notes.



Environmental Notes

- There are risks to sea turtles with this fishery, but there are mitigation measures in place.
- Bycatch is a risk in this fishery.
- Dredges will directly impact on the sea bed.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.





American shad

Alosa sapidissima

Florida Atlantic

Fishery countries:

U.S.

Environmental Notes

- There is a lack of information on bycatch in this fishery.
- Profile not yet complete.

General Notes

• No additional notes

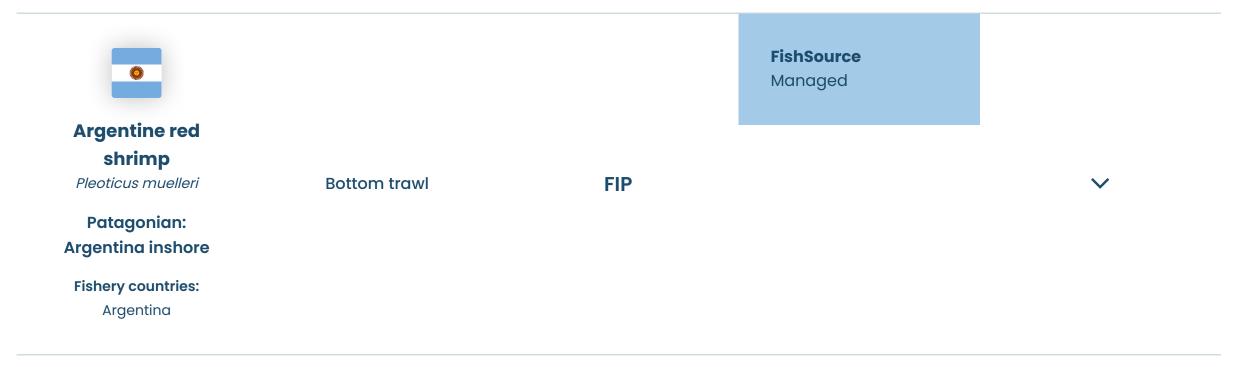


Environmental Notes

- There are risks to PET species with this fishery, but there is insufficient data available to assess significance.
- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



Environmental Notes

- There is a lack of public information on interactions with ETP for this fishery.
- There is limited information on bycatch in this fishery but bycatch of hake is a risk.
- Bottom trawls will directly impact on the sea bed.

General Notes

References

<u>Fishery Progress, Argentina onshore red shrimp - bottom trawl FIP</u>



Argentine shortfin squid

Illex argentinus

Spring spawning (SpSS) - China High Seas

> Fishery countries: China

Hook and line

Not certified or in a FIP

Sustainability not rated

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Environmental Notes

- This fishery is not believed to be an issue for PET species.
- Bycatch is not believed to be an issue for this fishery.
- 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, 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.
- Bottom trawls will directly impact on the sea bed.

General Notes

No additional notes.



Environmental Notes

- There are potential risks to PET species with this fishery, but mitigation actions are underway.
- There is significant bycatch with this fishery but non-target species are retained.
- Bottom trawls will directly impact on the sea bed.

General Notes

• NOAA FSSI 1: The fishery is overfished and overfishing is occurring.



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.



Environmental Notes

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

General Notes

• The life history characteristics of Atlantic halibut: long-lived and late maturity, increase its vulnerability to overfishing.



• Profile not yet complete.

General Notes

• The life history characteristics of Atlantic halibut: long-lived and late maturity, increase its vulnerability to overfishing.



Environmental Notes

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

General Notes

- The menhaden purse seine fishery entered into the MSC assessment process in June 2017.
- 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

• Profile not yet complete.

General Notes

• No additional notes.



• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

- No locally affected seabirds or marine mammals are classified as PET species.
- Bycatch of seabirds occurs in the longline fishery, but estimates suggest that bycatch rates are low. There is an MSC condition in place to provide electronic logbook reporting for seabird and marine bycatch.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• The life-history characteristics of Atlantic wolffish: long-lived and late maturity, increase its vulnerability to overfishing.

Caveat

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

References

<u>Vottunarstofan Tún ehf, July 2017, ISF Iceland Saithe and Ling Fishery: Public Certification Report – Expedited Assessment for Scope Extension:</u>
<u>Atlantic wolffish and Plaice fisheries</u>



Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.



Atlantic southern

Fishery countries:

U.S.

Environmental Notes

• Profile not yet complete.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Black rockfish

Sebastes melanops

Gulf of Alaska

Fishery countries: U.S.

Gillnets and entangling nets

Hook and line

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Black seabass

Centropristis striata

NW Atlantic northern stock

Fishery countries:

U.S.

FishSourceManaged

Not certified or in a FIP



Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.



Gillnets and entangling nets

Not certified or in a FIP

Sustainability not rated



cantharus

U.K.

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Black stone crab

Menippe mercenaria

Florida

Fishery countries:

U.S.

Not certified or in a FIP

Sustainability not rated

Environmental Notes

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is considered very low. All incidental catch is returned to the water alive.
- This fishery is unlikely to have a significant impact on the sea bed.

Pots and traps

General Notes

• No additional notes.



Blacktip shark

Carcharhinus limbatus

Gulf of Mexico

Fishery countries: U.S.

Longlines

Not certified or in a FIP

FishSource Managed

Environmental Notes

- Profile not yet complete.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



Blue crab

Callinectes sapidus

Pots and traps

Not certified or in a FIP

FishSource Managed

Chesapeake Bay

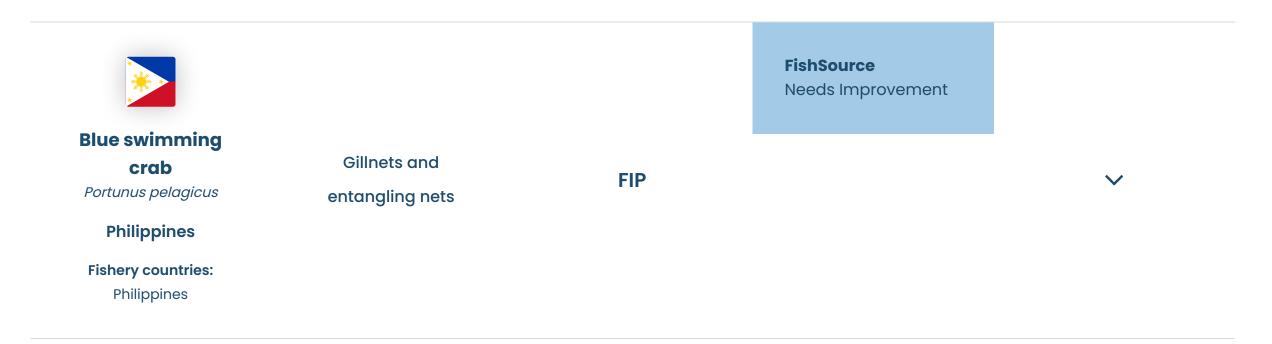
Fishery countries:

U.S.

- This fishery is unlikely to have a significant impact on the sea bed.
- Profile not yet complete.

General Notes

• No additional notes.



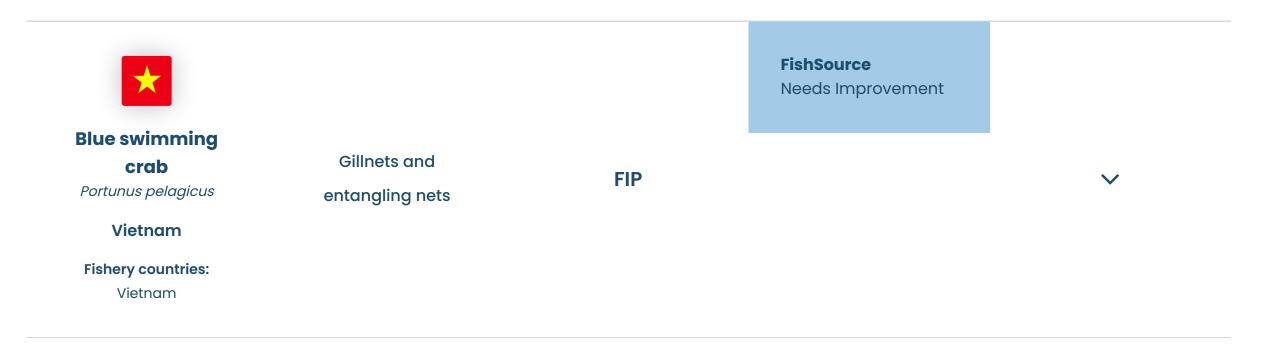
Environmental Notes

- There are risks to marine mammals and sea turtles 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

References

<u>Fishery Progress, Philippines blue swimming crab - bottom-set gillnet & pot/trap</u>



Environmental Notes

- The risks to sharks and sea turtles with this fishery is considered low.
- There is bycatch for this fishery but non-target species are retained.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

References

<u>Fishery Progress, Vietnam blue swimming crab - bottom gillnet/pot/trap</u>



Fishery countries:

U.S.

Environmental Notes

- There are risks to marine mammals with this fishery.
- There is bycatch for this fishery, but the scale of the issue is not established.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• NOAA FSSI 3: The fishery is not overfished but overfishing is occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield, *or*, the fishery is not overfished and overfishing is not occurring but the stock biomass is not at or above 80% of the biomass that produces maximum sustainable yield.

3



Environmental Notes

• Profile not yet complete.

General Notes

• This fishery was MSC certified in August 2018.

References

<u>Fishery Progress, Bahamas spiny lobster - trap/casita</u>

Marine Stewardship Council, Bahamian Spiny Lobster Fishery



Environmental Notes

- This fishery is unlikely to impact PET species.
- Bycatch is a risk for this fishery, but there are mitigation measures in place.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

No additional notes.



Alaska

Fishery countries: U.S.

FishSourceWell Managed

Purse seine Certified

V

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

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, Alaska Salmon Fishery MSC Public Certification Report



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

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, Alaska Salmon Fishery MSC Public Certification Report



- 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.

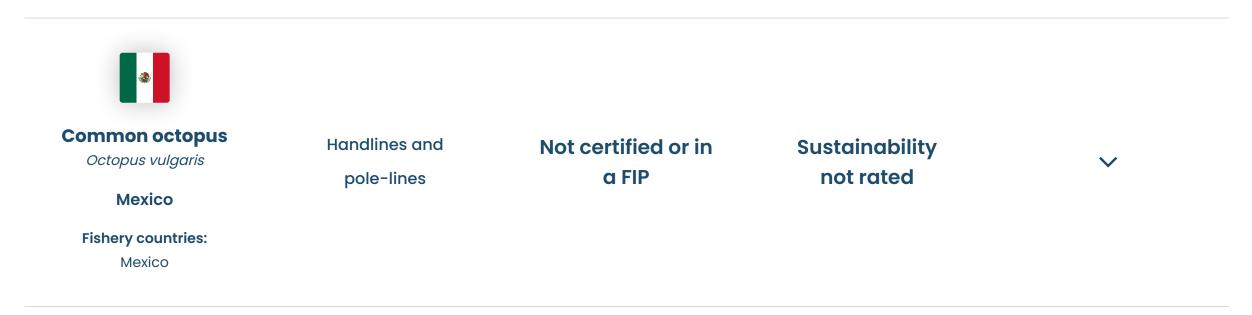
General Notes

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, Alaska Salmon Fishery MSC Public Certification Report



Environmental Notes

- There is a lack of information on interactions with PET species in this fishery.
- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

No additional notes.



Environmental Notes

• Profile not yet complete.

General Notes

• This Indonesian multispecies fishery captures Snappers nei, Groupers nei and other reef fishes. There is as yet no consensus as to the stock structure of these species. This profile may undergo restructuring in the future as new information comes to light.

References

<u>Future of Indonesian Fisheries, Aru, Arafura and Timor Seas snapper and grouper - handlines, bottom set longline</u>

Bottom trawl



Some product from certified fisheries

FishSourceWell Managed



Fishery countries: U.S.

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

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



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 fishery was previously MSC-certified but withdrew from the MSC program in 2015. As of 2017, the fishery is undergoing an MSC Pre-Assessment.

References

Marine Stewardship Council, Oregon Dungeness Crab



Environmental Notes

• Profile not yet complete.

General Notes

• This Indonesian multispecies fishery captures Snappers nei, Groupers nei and other reef fishes. There is as yet no consensus as to the stock structure of these species. This profile may undergo restructuring in the future as new information comes to light.

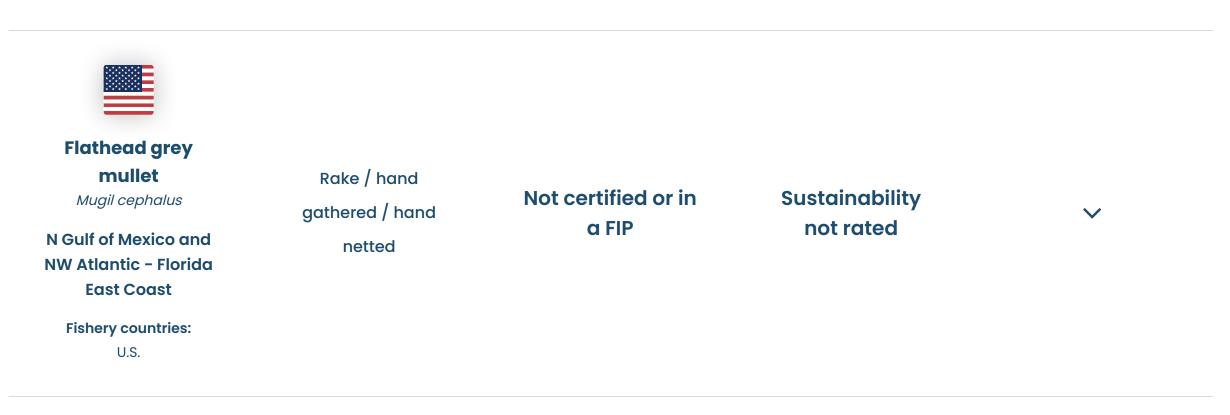
References



- 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

• No additional notes.



Environmental Notes

- This fishery is unlikely to impact PET species.
- Profile is not yet complete.

General Notes

• No additional notes.



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

• Profile not yet complete.

General Notes

• This Indonesian multispecies fishery captures Snappers nei, Groupers nei and other reef fishes. There is as yet no consensus as to the stock structure of these species. This profile may undergo restructuring in the future as new information comes to light.

References

<u>Future of Indonesian Fisheries, Aru, Arafura and Timor Seas snapper and grouper - handlines, bottom set longline</u>



Environmental Notes

- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.
- Profile not yet complete.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



U.S.

Environmental Notes

- This fish is caught as a bycatch species.
- Profile not yet complete.

General Notes

• No additional notes



Greenland halibut

Reinhardtius hippoglossoides

Longlines

Not certified or in a FIP

Sustainability not rated

NE Atlantic / S stock

Fishery countries: Greenland

Environmental Notes

- This fishery is unlikely to have a significant impact on the sea bed.
- Profile not yet complete.

General Notes

• No additional notes.



Grey snapper

Lutjanus griseus

US Gulf of Mexico

Fishery countries:

Hook and line

Hook and line

Not certified or in a FIP

Sustainability not rated

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Grey triggerfish

Balistes capriscus

North Atlantic

Fishery countries:

U.S.

Not certified or in a FIP

Sustainability not rated



• Profile not yet complete.

General Notes

• No additional notes.



Gulf weakfish

Cynoscion othonopterus

Ecuador

Fishery countries:

Ecuador

Hook and line

Not certified or in

a FIP

Sustainability not rated

V

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Melanogrammus aeglefinus

Barents Sea

Fishery countries:Norway, Russia

FishSourceWell Managed

Certified

V

Environmental Notes

- Gear specific information on interactions with PET species is limited, but an MSC condition is in place to address this.
- MSC conditions are in place to assess the impact of the fishery on bycatch species.

Bottom trawl

• Bottom trawls will directly impact on the sea bed.

General Notes

• No additional notes.



- There are risks to PET species 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.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



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

• No additional notes.



Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.



- There are risks to marine mammals with this fishery.
- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



Indian oil sardine

Sardinella longiceps

Kerala

Fishery countries:

Gillnets and entangling nets

Not certified or in a FIP

Sustainability not rated

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Environmental Notes

- There are risks to PET species with this fishery, but there is insufficient data available to assess significance.
- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



Japanese flying squid

Todarodes pacificus

East China Sea and Japan Sea

Fishery countries:

China

Hook and line

Not certified or in a FIP

Sustainability not rated

Environmental Notes

- There is no information on the impact of this fishery on PET species.
- Information on bycatch is not available 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 Japanese flying squid in Chinese waters.



Hook and line

Not certified or in a FIP

FishSource Managed

King mackerel

Scomberomorus cavalla

Gulf of Mexico

Fishery countries:

U.S.

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

General Notes

No additional notes.



Lake whitefish

Coregonus clupeaformis

Lake Huron

Fishery countries:
Canada

Gillnets and entangling nets

Not certified or in a FIP

Sustainability not rated

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Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Lane snapper

Lutjanus synagris

Costa Rica, Nicaragua, Panama

Fishery countries:
Costa Rica, Nicaragua,
Panama

Hook and line
Longlines

Not certified or in a FIP

Sustainability not rated

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Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.



Longfin squid

Loligo pealeii

NW Atlantic

Fishery countries:

U.S.

Bottom trawl

Pots and traps

Miscellaneous

Not certified or in

a FIP

FishSourceManaged

NOAA FSSI

2.5

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- This fishery is unlikely to impact PET species.
- There is some risk of bycatch by bottom trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• No additional notes.



Environmental Notes

Costa Rica

- There are risks to turtles, sharks and seabirds 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

• No additional notes.



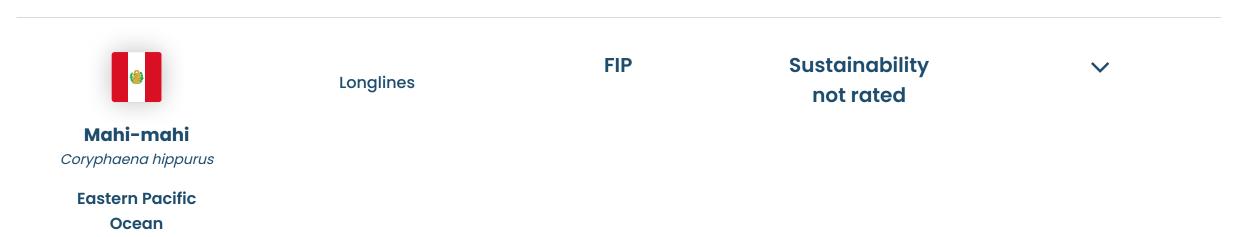
Environmental Notes

- There are risks to turtles, sharks and seabirds 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

References

<u>Fishery Progress, Ecuador mahi-mahi - longline</u>



Peru

Environmental Notes

- There are risks to turtles, sharks and seabirds 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

References

Fishery Progress, Peru mahi-mahi - longline (Confremar)



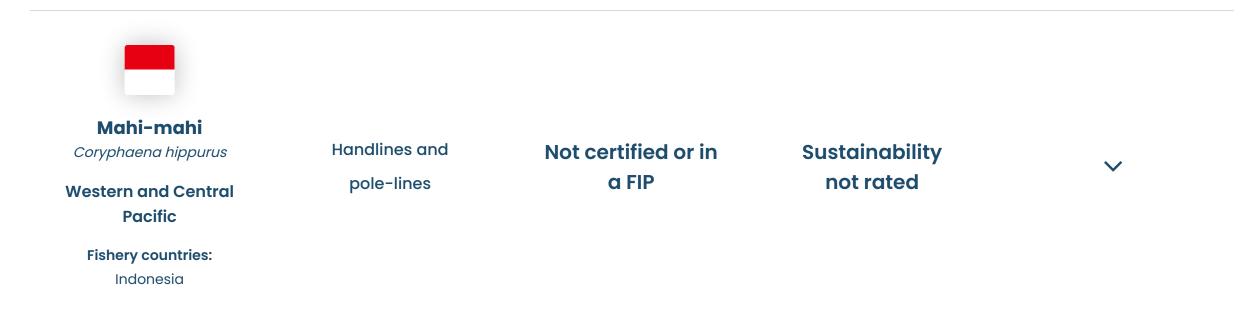
Environmental Notes

- Longlines present a hazard to turtles, seabirds and sharks but these risks can be reduced through proper management of fishing gear.
- Bycatch for this fishery includes sharks and billfish, but there are mitigation measures underway.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

References

<u>Fishery Progress, Indonesia/Indian Ocean tuna and large pelagics - longline</u>



Environmental Notes

- There are risks to turtles and seabirds with this fishery.
- Bycatch is a risk for this fishery but there is insufficient data available to assess significance.
- This fishery is unlikely to have a significant impact on the sea bed.

Longlines

General Notes

No additional notes.



Mutton snapper

Lutjanus analis

Northern Gulf of Mexico and Western Central Atlantic - US Gulf of Mexico

Fishery countries:

U.S.

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



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.



Environmental Notes

- There is potential for turtle interactions with this fishery, but excluder devices are fitted to nets for protection.
- 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

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.

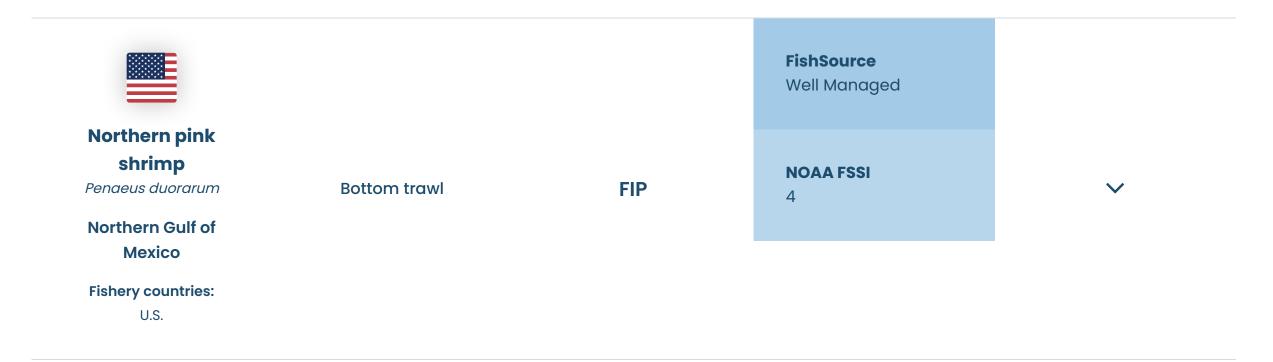
References

<u>Audubon G.U.L.F., Alabama Shrimp FIP</u>

<u>Fishery Progress, US Louisiana shrimp - otter/skimmer trawl</u>

<u>Fishery Progress, US Texas shrimp - otter trawl</u>

Wood's Fisheries, Gulf of Mexico and South Atlantic - Florida Shrimp FIP



Environmental Notes

- There is potential for turtle interactions with this fishery, but excluder devices are fitted to nets for protection.
- Bycatch is a significant risk for this fishery.
- Bottom trawls will directly impact on the sea bed.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Environmental Notes

- This fishery is unlikely to impact PET species.
- Bycatch for this fishery is low due to the use of the Nordmore grate.
- Bottom trawls will directly impact on the sea bed. However, this fishery does not overlap with sensitive habitats.

General Notes

• This MSC-certified Canada Scotian Shelf Northern prawn trawl fishery is the largest MSC-certified coldwater shrimp fishery in the world.

Caveat

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

References

Intertek, 2014, MSC Public Certification Report for Canadian Scotian Shelf Northern Prawn Trawl Fishery Shrimp Fishing Areas 13, 14, 15

Acoura Marine Ltd, 2017, MSC 3rd Surveillance Report for the Canada Scotian Shelf Northern Prawn Trawl Fishery



Dredge Rake / hand gathered / hand netted

Not certified or in a FIP

Sustainability not rated

US NW Atlantic Coast

Fishery countries:

U.S.

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.

Hook and line

General Notes

• No additional notes



snapper

Lutjanus campechanus

FishSource

Needs Improvement

Mexico Gulf of Mexico

Fishery countries:

Mexico

Environmental Notes

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

General Notes

No additional notes



Northern red snapper

Lutjanus campechanus

Northern Gulf of Mexico

Fishery countries:

U.S.

Longlines Handlines and

pole-lines

Not certified or in a FIP

Not certified or in

a FIP

FishSource

Needs Improvement

NOAA FSSI

3

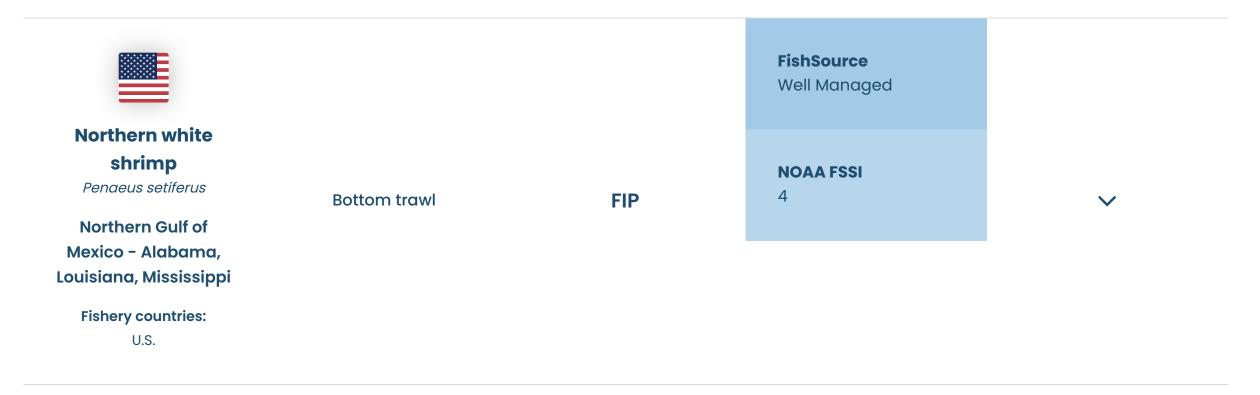


Environmental Notes

- This fishery is unlikely to impact PET species.
- Bycatch is a risk for this fishery, but there is insufficient data available to assess significance.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



- There is potential for turtle interactions with this fishery, but excluder devices are fitted to nets for protection.
- 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

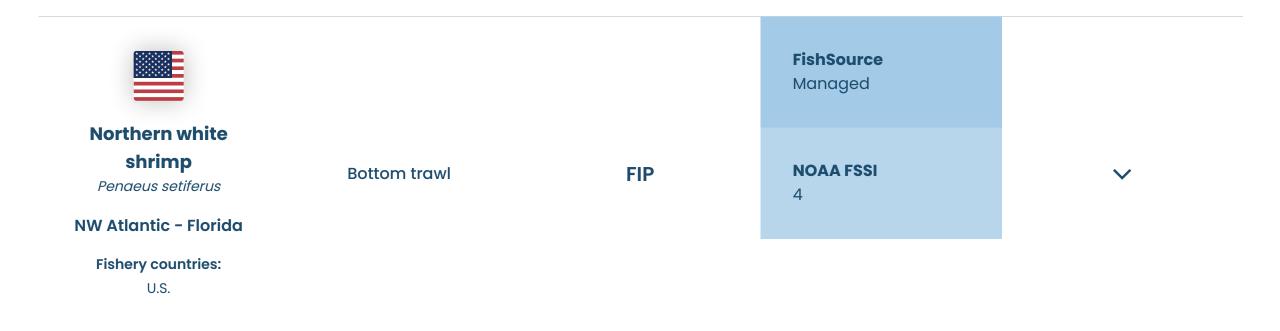
• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.

References

<u>Audubon G.U.L.F., Alabama Shrimp FIP</u>

Audubon G.U.L.F., Mississippi Shrimp FIP

<u>Fishery Progress, Louisiana shrimp - otter/skimmer trawl</u>



Environmental Notes

- There are risks to sea turtles with this fishery, but there are mitigation measures in place.
- Bycatch is a risk for this fishery, but there are mitigation measures in place.
- Bottom trawls will directly impact on the sea bed. Measures to protect critical habitats are in place.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.

References

Wood's Fisheries, Gulf of Mexico and South Atlantic – Florida Shrimp FIP

Bottom trawl

Pots and traps



Not certified or in a FIP

FishSourceManaged



Northern white shrimp

Penaeus setiferus

NW Atlantic -Georgia, North Carolina

Fishery countries:

U.S.

NOAA FSSI 4

Environmental Notes

- There is potential for turtle interactions with this fishery, but excluder devices are fitted to nets for protection.
- Bycatch is a significant risk for this fishery.
- Bottom trawls will directly impact on the sea bed.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Octopuses nei

Octopus spp.

Thai waters

Fishery countries:

Thailand

Pots and traps

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes



Opah

Coryphaena hippurus

Pacific Ocean

Fishery countries: U.S.

Longlines

FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

References

<u>Fishery Progress, Hawaii tuna and large pelagics - longline</u>





Hoplostethus atlanticus

Challenger Plateau

Fishery countries:

New Zealand

Environmental Notes

- This fishery is believed to have mininal impacts on PET species.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed. There is insufficient data available to assess significance of impacts on vulnerable habitats such as cold water coral reefs.

General Notes

• No additional notes.



Orange roughy

Hoplostethus atlanticus

Southern Indian
Ocean

Fishery countries:

Cook Islands

Bottom trawl

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.



Pacific cod

Gadus macrocephalus

Gulf of Alaska

Fishery countries: U.S.

Bottom trawl

Certified

FishSourceWell Managed

NOAA FSSI

Environmental Notes

- There are risks to seabirds and marine mammals with this fishery, but there are mitigation measures in place.
- Bycatch for this fishery is considered low.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.

Certified

FishSourceWell Managed

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Pacific halibut

Hippoglossus stenolepis

NE Pacific - Alaska

Fishery countries:

U.S.

Environmental Notes

- There are risks to seabirds with this fishery, but mitigation actions are underway.
- Bycatch is a risk for this fishery, but there is insufficient data available to assess significance.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes



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

References

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



Environmental Notes

• Profile not yet complete.

General Notes



Patagonian toothfish

Dissostichus eleginoides

Southern Indian
Ocean - Heard Island
and McDonald
Islands

Bottom trawl Certified

FishSourceWell Managed

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Fishery countries:

Australia

• Profile not yet complete.

Environmental Notes

General Notes

• No additional notes.



Petrale sole

Eopsetta jordani

US west coast

Bottom trawl

Certified

FishSourceWell Managed

NOAA FSSI

4

Fishery countries:

U.S.

Environmental Notes

- This fishery is unlikely to impact PET species.
- Bycatch is a risk for this fishery, but there are mitigation measures in place.

Hook and line

• Bottom trawls will directly impact on the sea bed.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Pink cusk-eel

Genypterus blacodes

Panama Pacific Coast

Fishery countries:

Panama

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Queen conch

Strombus gigas

Honduras

Fishery countries: Honduras

Rake / hand gathered / hand netted

Not certified or in a FIP

Sustainability not rated

~

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Queen crab

Chionoecetes opilio

NW Atlantic -Newfoundland and Labrador

Fishery countries:

Canada

FishSourceWell Managed

Certified

V

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.

Pots and traps

General Notes

No additional notes



Environmental Notes

- There are risks to right whales with this fishery. Please see the MSC link below.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• The MSC certificate was suspended for the Southern Gulf of St. Lawrence snow crab fishery on March 20, 2018.

References

Marine Stewardship Council, MSC certificate suspended for Southern Gulf of St. Lawrence snow crab fishery



Rainbow smelt

Osmerus mordax

Eastern New Brunswick

Fishery countries:Canada

Gillnets and entangling nets

Not certified or in a FIP

Sustainability not rated



Environmental Notes

- This fishery is unlikely to impact PET species.
- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes



Rainbow trout

Oncorhynchus mykiss

Columbia and Fraser Rivers

Fishery countries:

U.S.

Gillnets and entangling nets

Longlines

Not certified or in a FIP

Not certified or in

a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Red grouper

Epinephelus morio

Gulf of Mexico and NW Atlantic -Northern Gulf of Mexico

Fishery countries:

U.S.

FishSourceManaged

NOAA FSSI

4

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Environmental Notes

- There are risks to sea turtles with this fishery, but there are mitigation measures in place.
- Bycatch for this fishery is considered low.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.



Environmental Notes

- This fishery is unlikely to impact PET species.
- There is some bycatch of other crabs with this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

- NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.
- This fishery is certified through the Alaska Responsible Fisheries Management (RFM) Program.

References

Alaska Seafood Marketing Institute, RFM Certification: Alaska Crab



Environmental Notes

- There is a lack of information on interactions with PET species in this fishery. The only known significant impact with this fishery is the effect of the introduced crawfish species on the indigenous crawfish species.
- Bycatch for this fishery is considered low.
- This is a freshwater fishery close to rice fields, so the habitat impact is very limited.

General Notes





Procambarus clarkii

Louisiana territorial sea

Fishery countries:

U.S.

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.



Red porgy

Pagrus pagrus

NW Atlantic

Fishery countries:

U.S.

Hook and line

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Rock shrimp

Sicyonia brevirostris

US South Atlantic

Fishery countries: U.S.

Bottom trawl

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes



Round sardinella

Sardinella aurita

NW Africa - Morocco

Fishery countries:

European Union

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Sablefish

Anoplopoma fimbria

British Columbia

Fishery countries:

Canada

Longlines

Not certified or in a FIP

Sustainability not rated



Environmental Notes

- There are risks to seabirds with this fishery.
- Bycatch is a risk for this fishery. An MSC condition is in place to assess fishery interactions with seabirds.
- Profile not yet complete.

General Notes

• No additional notes.



Saithe

Pollachius virens

Gulf of Maine and Georges Bank

Fishery countries:

U.S.

Midwater trawl

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes





US Atlantic Coast

Fishery countries:

U.S.

Environmental Notes

- Profile not yet complete.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes



Scaled herring

Harengula jaguana

Florida waters

Fishery countries: U.S.

Seine nets

Not certified or in a FIP

Sustainability not rated

V

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Sheepshead

Archosargus probatocephalus

US Gulf of Mexico

Fishery countries: U.S.

Handlines and pole-lines

Not certified or in a FIP

Sustainability not rated

V

Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.



Longlines

Not certified or in a FIP

FishSourceNeeds Improvement

Y

Shortfin mako

Isurus oxyrinchus

North Pacific

Fishery countries:

Ecuador

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

- There are risks to marine mammals with this fishery, but there are mitigation measures in place.
- Bycatch is a risk for this fishery, but there are mitigation measures in place.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



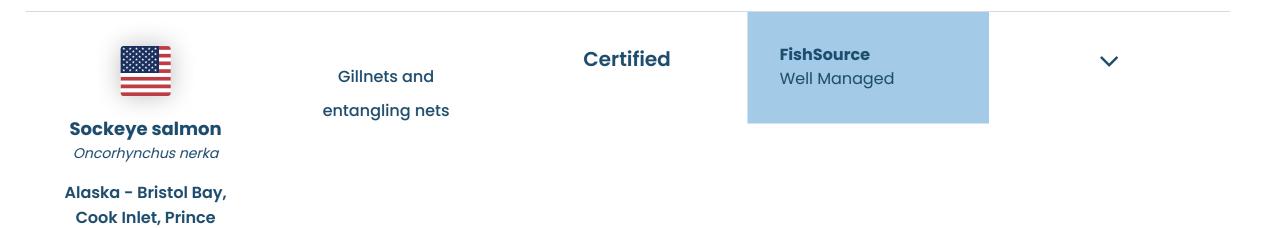
Environmental Notes

- This fishery is unlikely to have a significant impact on the sea bed.
- Profile not yet complete.

General Notes

References

<u>Future of Indonesian Fisheries, Indonesian Longline Demersal Fish</u>



William Sound, Westward Alaska

Fishery countries:

U.S.

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



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



Environmental Notes

• Profile not yet complete.

General Notes



Southern red

snapper

Lutjanus purpureus

Suriname

Fishery countries:

Suriname

Hook and line

Not certified or in

a FIP

Sustainability not rated

~

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Spinycheek grouper

Epinephelus diacanthus

India

Fishery countries:

India

Hook and line

Not certified or in a FIP

Sustainability not rated

~

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Spot croaker

Leiostomus xanthurus

NW Atlantic Central

Fishery countries:

U.S.

Gillnets and entangling nets

Not certified or in a FIP

Sustainability not rated

~

Environmental Notes

• Profile not yet complete.

General Notes



Spotted rose snapper

Lutjanus guttatus

Costa Rica Pacific

Fishery countries: Costa Rica

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Spotted weakfish

Cynoscion nebulosus

NE Florida

Fishery countries:

U.S.

Handlines and pole-lines

Not certified or in a FIP

Sustainability not rated

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Striped bass

Morone saxatilis

US Atlantic

Fishery countries:

U.S.

Well Managed

FishSource

Hook and line

Not certified or in a FIP

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes



Longlines

Not certified or in a FIP

FishSource Needs Improvement



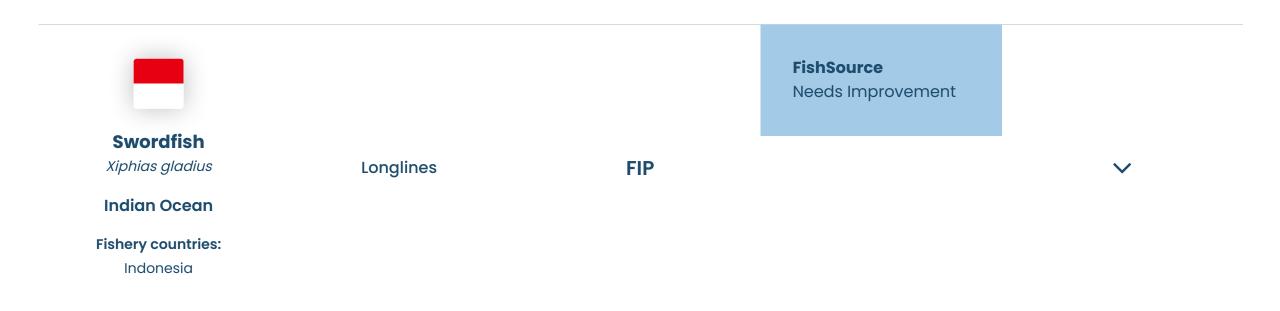
Costa Rica, Ecuador

Environmental Notes

- There are risks to sea turtles 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

• No additional notes



Environmental Notes

- There is a risk to PET species with this fishery. Longlines present a hazard to turtles, seabirds and sharks, but these risks can be reduced through proper management of fishing gear.
- Bycatch for this fishery includes tuna, billfish and sharks.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

References

<u>Fishery Progress, Indonesia/Indian Ocean tuna and large pelagics - longline</u>



Environmental Notes

- 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.

Longlines

General Notes

No additional notes.



Not certified or in a FIP

FishSource Managed



Southwest Pacific

Fishery countries:

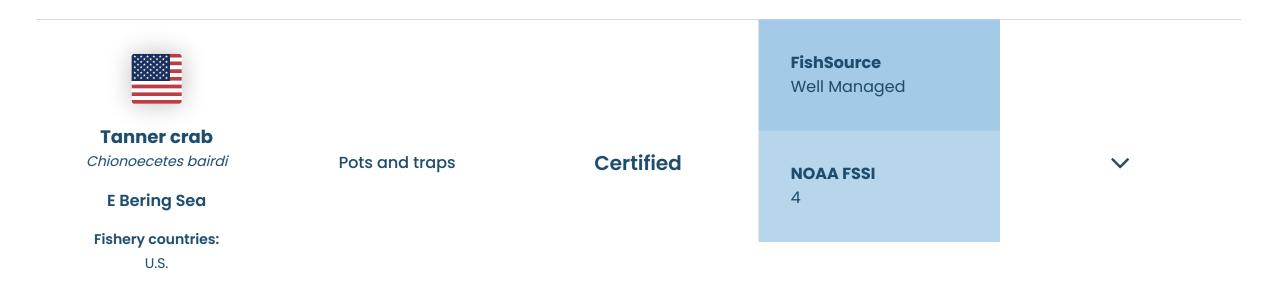
Vietnam

Environmental Notes

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

General Notes

• No additional notes



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

- NOAA FSSI 4: The fishery is not overfished and overfishing is not occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield.
- This fishery is certified through the Alaska Responsible Fisheries Management (RFM) Program.

References

Alaska Seafood Marketing Institute, RFM Certification: Alaska Crab



Environmental Notes

- This fishery is unlikely to impact PET species.
- There is a lack of information on bycatch in this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes



Wahoo

Acanthocybium solandri

Pacific Ocean

Longlines

Gillnets and

entangling nets

Not certified or in a FIP

FishSource

Needs Improvement

~

Fishery countries:

Ecuador

Environmental Notes

- Bycatch is a risk for this fishery.
- Profile not yet complete.

General Notes

• No additional notes.



Walleye

Sander vitreus

Lake Erie western and central

Fishery countries:

Canada

FishSourceWell Managed

Certified

rishery countries.

Environmental Notes

- There are risks to PET species with this fishery, but there is insufficient data available to assess significance.
- There is a lack of information on bycatch in this fishery.
- Profile not yet complete.

General Notes

• No additional notes



White hake

Urophycis tenuis

Gulf of Maine and Georges Bank

Fishery countries:

U.S.

Bottom trawl

Not certified or in a FIP

Sustainability not rated



Environmental Notes

• Profile not yet complete.

General Notes



Winter flounder

Pseudopleuronectes americanus

Bottom trawl

Not certified or in a FIP

Needs improvement

V

NW Atlantic Central

Fishery countries:

U.S.

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes



Winter skate

Raja ocellata

NE Atlantic

Fishery countries:

U.S.

Gillnets and entangling nets

Not certified or in a FIP

Needs improvement



Environmental Notes

- There are risks to 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.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

No additional notes.



Widow rockfish

Sebastes entomelas

Bottom trawl

Certified

FishSourceWell Managed

US West Coast

Fishery countries:

U.S.

Environmental Notes

• Profile not yet complete.

General Notes



Bottom trawl
Gillnets and
entangling nets

Not certified or in a FIP

FishSourceWell Managed



NW Atlantic

Fishery countries:

U.S.

Environmental Notes

- There are risks to 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.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

No additional notes.



Environmental Notes

- There is a risk to PET species with this fishery. Longlines present a hazard to turtles, seabirds and sharks but these risks can be reduced through proper management of fishing gear. Purse seines can accidentally catch sharks and turtles.
- There is bycatch for this fishery but the scale of the issue is not established.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.

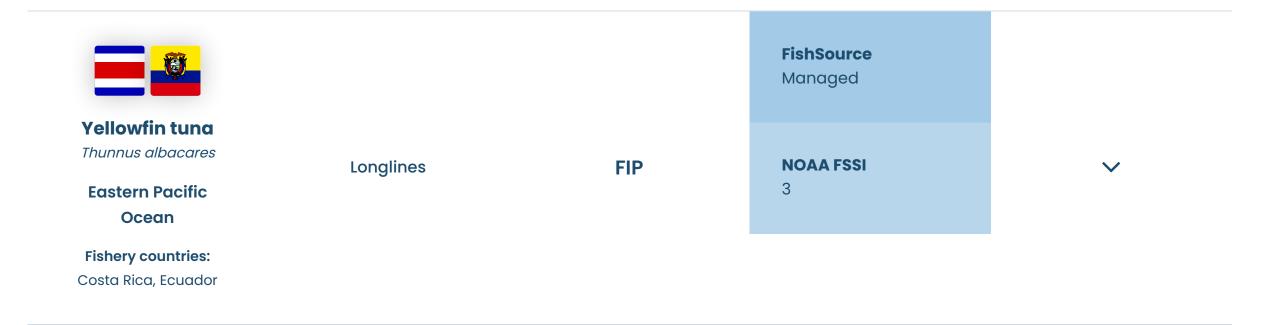


Environmental Notes

- There is a risk to PET species with this fishery. Longlines present a hazard to turtles, seabirds and sharks but these risks can be reduced through proper management of fishing gear.
- There is bycatch for this fishery but the scale of the issue is not established.
- 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 sea turtles with this fishery, but there are mitigation measures in place.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• NOAA FSSI 3: The fishery is not overfished but overfishing is occurring and the stock biomass is at or above 80% of the biomass that produces maximum sustainable yield, *or*, the fishery is not overfished and overfishing is not occurring but the stock biomass is not at or above 80% of the biomass that produces maximum sustainable yield.

References

<u>Fishery Progress, Costa Rica large pelagics - longline and green stick</u>

Fishery Progress, Eastern Pacific Ocean tuna - longline (Transmarina)



Environmental Notes

- 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

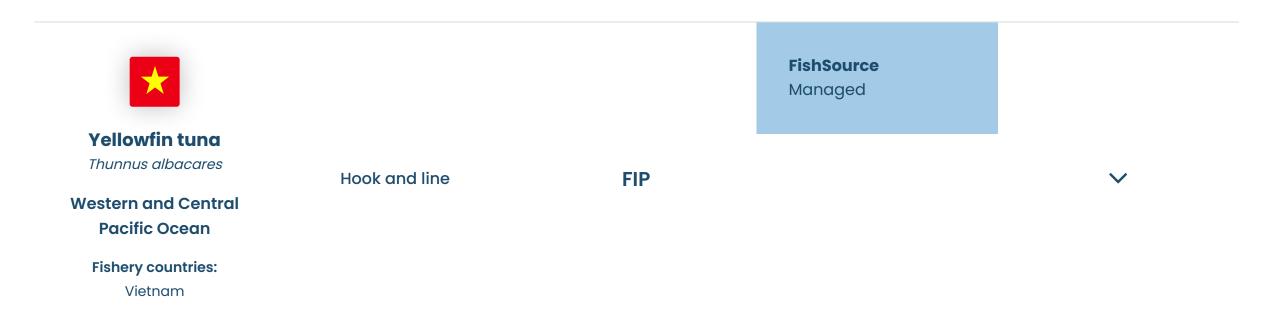


Environmental Notes

- There is a risk to PET species with this fishery. Longlines present a hazard to turtles, seabirds and sharks, but these risks can be reduced through proper management of fishing gear.
- There is bycatch for this fishery but the scale of the issue is not established.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

No additional notes.



Environmental Notes

- There are risks to turtles, seabirds and sharks, but these risks can be reduced through proper management of fishing gear.
- There is bycatch for this fishery but the scale of the issue is not established.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

References

<u>Fishery Progress, Vietnam yellowfin tuna - longline/handline FIP</u>



Environmental Notes

- There are risks to PET species with this fishery, but there is insufficient data available to assess significance.
- This fish is caught as a bycatch species.
- This fishery is unlikely to have a significant impact on the sea bed.

Hook and line

General Notes

No additional notes



Not certified or in a FIP

FishSourceWell Managed



Northern Gulf of Mexico and Western Central Atlantic - US Gulf of Mexico

Fishery countries:

U.S.

Environmental Notes

- This fishery is unlikely to impact PET species.
- There is bycatch for this fishery, but non-target species are retained.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes





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