

How ODP Works

What's Included?



Skretting Global

Skretting is a global fish feed producer for aquaculture and is a subsidiary of Nutreco, a global leader in animal nutrition and fish feed.

The 2023 profile covers Skretting Global's sourcing in 2022 for 95% of marine ingredients originating from wild whole fish. If the same species also are used to produce marine ingredients from by-products, this is indicated. Marine ingredients produced from aquaculture are excluded. The fishery countries represent the countries of origin (the coastal states of fishing) and not necessarily the flag states of the fishing vessels.

Fisheries reported as certified or in a FIP are MarinTrust Approved or MarinTrust Improver fisheries, respectively. MarinTrust is a factory certification standard that includes requirement for responsible sourcing of raw materials. For whole fish to be approved, they must come from a fishery that has been assessed and approved by independent third party auditors as meeting the MarinTrust Standard or come from a Marine Stewardship Council (MSC) certified fishery.





Summary

Skretting is a world leader in the manufacture and supply of aquaculture feeds, making us an essential link in the feed-to-food chain. We apply our knowledge of ingredients and the nutritional needs of fish and shrimp to develop innovations that achieve optimum nutritional value, sustainable production and economic performance as we seek to fulfil our company-wide purpose of 'Feeding the Future'. Our feed contributes to produce over 21 million portions of seafood per day globally.

Our ambition is that by 2025 all fishmeal and fish oil we use originates from fisheries that are managed according to the FAO Code of Conduct for Responsible Fisheries. This means that our suppliers must be able to demonstrate that the fishmeal and fish oil is certified according to the MarinTrust programme, the Marine Stewardship Council fishery standard or participates in an improvement project with the aim of becoming MarinTrust certified. Skretting has developed its own Marine Responsible sourcing policy.

In 2021, 82% of fishmeal and fish oil originating from whole fish that was purchased by Skretting came from fisheries certified according to the MarinTrust or MSC programmes, or from fisheries that were part of a MarinTrust fishery.

To achieve our ambitions, we work together with several partners:

Skretting is member of *Global Roundtable on Marine Ingredients*. Led by IFFO, The Marine Ingredients Organisation, and Sustainable Fisheries Partnership (SFP), the Global Marine Ingredients Roundtable gathers companies from the entire marine ingredients value chain to drive environmental and social improvements in key fisheries globally.

UN Global Compact Sustainable Ocean Principles. The UN Global Compact has a *Sustainable Ocean Stewardship Coalition* that convenes leading actors from business, academia and government institutions to determine how ocean industries can advance progress towards the Sustainable Development Goals (SDGs). As signatory of these principles, Skretting recognises the urgency and global importance of healthy oceans and a sustainable aquaculture industry, and will take action to promote the well-being of the ocean for current and future generations.

Skretting is a member of *SeaBOS* which is unique because it is the first time ten of the world's largest seafood companies collaborate with science to implement a joint vision to develop more sustainable seafood production and improved ocean health. The initiative is also unique because it connects wild capture fisheries, feed producers and aquaculture businesses across Asia, Europe, and North America. The collaboration has been coordinated by the Stockholm Resilience Centre at Stockholm University with key scientific partners from the Beijer Institute of Ecological Economics at the Royal Swedish Academy of Science, the University of Lancaster, and the Stanford Center for Ocean Solutions.

Seafood Stewardship Index (SSI). The SSI, published by the World Benchmarking Alliance, ranks the sustainability efforts of the 30 most influential seafood companies globally. Skretting moved from the 7th place in 2019 to the 5th in 2021, which positioned us as the highest ranked feed supplier. Although the progress indicates that we're heading to the right direction, we acknowledge that there's still room for us to do more, better and faster.

<u>http://www.skretting.com/</u>

<u>http://www.skretting.com/en/sustainability/</u>

Associated Fisheries



Species and Location	Production Methods	Sustainability Ratings	Certification or Improvement Project	Notes
			Somo product	
Anchoveta Engraulis ringens	Purse seine	Needs	Some product from MarinTrust	
Southeast Pacific		improvement	Approved fisheries	\checkmark
Fishery countries:				
Chile, Ecuador, Peru				

- The fishery may interact with ETP species such as marine mammals, seabirds, and sea turtles.
- Bycatch for this fishery is likely to be low.
- The anchoveta fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- 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.
- Profile not yet complete.
- Antarctic krill is mainly caught using midwater trawls, which are unlikely to have a significant 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.



- The fishery may interact with ETP species such as marine mammals, seabirds, and sea turtles.
- Bycatch for this fishery is likely to be 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.

Atlantic cod Gadus morhua Kortheast Atlantic Fishery countries: Denmark	Sustainability not rated	MarinTrust Approved	~
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Environmental Notes

- The fishery may interact with ETP species such as marine mammals, seabirds, and sea turtles. In the Barents Sea fishery, there are significant concerns about the cumulative impacts of fishing upon the endangered species, golden redfish.
- Bycatch is a risk for this fishery. Gillnets and line gear can have a bycatch of vulnerable species such as sharks and seabirds.
- The impact depends on the gear type. Bottom trawls will have the greatest impact on the sea bed.

General Notes

• This species is also used to produce marine ingredients from by-products.



Environmental Notes

- Direct interactions with ETP species are thought to be rare and this fishery is unlikely to have a significant impact.
- Bycatch for this fishery is considered low.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

• This species is also used to produce marine ingredients from by-products.



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

General Notes

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

References

North Atlantic Pelagic Advocacy Group



Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

<u>MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)</u>



Environmental Notes

- Impacts on ETP species vary by gear type. Purse seine gear may capture sharks and sea turtles, while longline gear may interact with sharks, seabirds, sea turtles, and marine mammals.
- Bycatch varies by gear type. There is a higher risk of bycatch in the associated purse seine fishery. Unassociated purse seine fisheries typically have less bycatch. Longline gear also has a risk of bycatch. In contrast, pole and line and handline gear is more selective, Bycatch includes billfishes, fin fishes, and sharks and rays.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

References

Seafood Watch Report for Tunas and large pelagics Eastern Central Pacific, December 6 2021



Environmental Notes

- Impacts on ETP species vary by gear type. Purse seine gear may capture sharks and sea turtles, while longline gear may interact with sharks, seabirds, sea turtles, and marine mammals.
- Bycatch varies by gear type. There is a higher risk of bycatch in the associated purse seine fishery. Unassociated purse seine fisheries typically have less bycatch. Longline gear also has a risk of bycatch. In contrast, pole and line and handline gear is more selective, Bycatch includes billfishes, fin fishes, and sharks and rays.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

References

Seafood Watch Report for Western and Central Pacific Tunas and Swordfish, January 13 2020



Black-Velvet Angelfish Chaetodontoplus melanosoma Western Central Pacific	Bottom trawl	Sustainability not rated	Some product from MarinTrust Improver fisheries	~
Fishery countries: Vietnam				

Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, Vietnam mixed species - trawl

<u>MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)</u>

Blue whiting			MarinTrust	
Micromesistius	Midwater trawl	Managed	Improver	\checkmark
poutassou			improver	
Northeast Atlantic				
Fishery countries:				
Denmark, Ireland,				
Iceland, Norway				

Environmental Notes

- This fishery is unlikely to have direct impacts on ETP species, but available data is still limited.
- Bycatch in this fishery is considered low, however bycatch data for the whole fishery is incomplete.
- Blue whiting is mainly caught by midwater trawls, which are unlikely to have a significant impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- 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

- Available data on the effects of this fishery on ETP species is limited. Marine mammals, seabirds, sharks, and rays are found in the region.
- Bycatch data for this fishery is limited.
- Boarfish is mainly caught by midwater trawls, which are unlikely to have a significant impact on the sea bed. Bottom trawls will directly impact on the sea bed.

General Notes

• This fish may play an important role in the marine food web, though evidence is limited for the NE Atlantic, and so potential impacts on the wider marine ecosystem must be monitored.



- Interactions with ETP species are considered to be unlikely to occur.
- Management measures aim to limit unwanted bycatch of fish eggs and larvae.
- This fishery is unlikely to have a significant 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.

References

MarinTrust, Norway Calanus finmarchicus,, Fishery Assessment Report 2022



Environmental Notes

- This fishery is unlikely to have direct impacts on ETP species, but available data is still limited.
- Bycatch in this fishery is considered low, but available data is still limited.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.



China anchovy

Sustainability

Not cortified or in

Purse seine	not rated	a FIP	\checkmark
	Purse seine	Purse seine not rated	Purse seine

Environmental Notes

• Profile not yet complete.

General Notes



Southeast Pacific

Fishery countries:

Ecuador

Environmental Notes

- Impacts on ETP species will vary by gear type. There are risks to turtles, sharks and seabirds with this fishery.
- Bycatch varies by gear type. Species caught as bycatch include billfish, tuna species, and sharks.
- This fishery uses pelagic gear, which is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.



Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)



Environmental Notes

• Profile not yet complete.

General Notes

C*				
European anchovy		Needs	Not certified or in	
Engraulis encrasicolus	Purse seine	improvement	a FIP	\checkmark
Black Sea		improvement	GTIF	
Fishery countries:				
Turkey				

- Incidental capture of dolphins presents a risk in the Black Sea.
- The common bycatch species in the Black Sea is the Mediterranean horse mackerel.
- The fishery uses purse seine gear, which 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

- Bycatch of marine mammals and sharks may occur but purse seine gear has not been linked to significant bycatch of these ETP species. More information is needed to fully assess the threat to ETP species.
- Management measures are in place to limit bycatch by fisheries operating in Morocco.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

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

References

Good Fish Guide - European anchovy, Northwest Africa: Zone North, A and B: All areas, FAO 34: Atlantic, Eastern Central, Net (purse seine or ring)



Environmental Notes

- Catch of marine mammals and seabirds may occur in Baltic fisheries but purse seine gear has not been linked to significant bycatch of these ETP species.
- Sprat is caught as bycatch in the herring fishery.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.

References

MarinTrust, Central Baltic herring and Baltic sprat in Baltic Sea, Fishery Assessment Report 2022



Environmental Notes

- This fishery is unlikely to have direct impacts on ETP species, but available data is still limited.
- Bycatch of herring occurs in this fishery.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.



Frigate tuna Auxis thazard

Gear not known

Sustainability

Not certified or in

Auxis thazard	Gear not known			$\mathbf{\nabla}$
	Oedi not known	not rated	a FIP	•
Southeast Pacific				
Fishery countries:				
Ecuador				

Environmental Notes

• Profile not yet complete.

General Notes



Fishery countries: Vietnam

Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)



Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)



- Occasional interactions with ETP species are known to occur in the Gulf menhaden purse seine fishery.
- Bycatch for this fishery is considered low.
- Menhaden is mainly caught by purse seine gear, which typically has minimal impacts on the sea bed. Purse seine gear in the Gulf of Mexico fishery interacts with the sea bed, but habitat impacts are not well understood.

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.

Hake Sustainability Not certified or in Merluccius spp. Gear not known not rated a FIP Southeast Pacific Fishery countries: Ecuador	<i>Merluccius spp.</i> Southeast Pacific Fishery countries:	Gear not known	-		~
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Environmental Notes

• Profile not yet complete.

General Notes

• This species is also used to produce marine ingredients from by-products.



Environmental Notes

• Profile not yet complete.

General Notes



- There is a lack of information on interactions between the Indian oil sardine purse seine fishery and ETP species.
- There is limited information available on the bycatch of purse seines targeting Indian oil sardine.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.

<section-header><section-header><section-header><section-header><text><text><text></text></text></text></section-header></section-header></section-header></section-header>	Gear not known	Sustainability not rated	Not certified or in a FIP	
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Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

- Bycatch of sea turtles, marine mammals, and sharks may occur. More information is needed to fully assess the threat to ETP species.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to interact with sensitive habitats.

General Notes



- This fishery is unlikely to have direct impacts on ETP species.
- Bycatch in this fishery is considered low.
- Bottom trawls will directly impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- Sandeel is an important prey species for a variety of predators, including fish, marine mammals and seabirds. Fishing on sandeel has been found to affect some surface feeding bird species, especially kittiwake and sandwich term.



• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

- This fishery is unlikely to have a significant impact on ETP species, but available data is still limited.
- The use of bycatch reduction devices has helped to reduce historically high levels of bycatch in the Norway pout fishery.

• Midwater trawls are unlikely to have a significant impact on the sea bed.

General Notes

• No additional notes.

*				
Orange-spotted				
Spinefoot	Gear not known	Sustainability	Not certified or in	
Siganus guttatus	Gedi not known	not rated	a FIP	\checkmark
Southeast Pacific				
Fishery countries:				
Chile				

Environmental Notes

• Profile not yet complete.

General Notes

• This species is also used to produce marine ingredients from by-products.



Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)



- There are risks to sharks, rays, marine mammals and sea turtles with this fishery, but interaction rates are thought to be low.
- Bycatch is a risk for this fishery.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed but there is a lack of data to support this.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.



General Notes

• No additional notes.



Environmental Notes

- Bycatch of sea turtles, marine mammals, and sharks may occur. More information is needed to fully assess the threat to ETP species.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to interact with sensitive habitats.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This fish plays an important role in the marine food web and so potential impacts on the wider marine ecosystem must be monitored.



Southeast Pacific

Fishery countries: Chile, Ecuador

Environmental Notes

- Bycatch of sea turtles, marine mammals, and sharks may occur. More information is needed to fully assess the threat to ETP species.
- Bycatch is a risk for this fishery.
- This fishery is unlikely to interact with sensitive habitats.

General Notes

• No additional notes.



 \checkmark

Environmental Notes

- There are risks to seabirds, marine mammals and sea turtles with this fishery, but interaction rates are thought to be low.
- Bycatch for this fishery is considered low.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

• This species is also used to produce marine ingredients from by-products.

References

MarinTrust, Chilean Jack Mackerel, Chilean EEZ Regions XV-X, Fishery Assessment Report 2022



Fishery countries: Chile

Pacific Menhaden Ethmidium maculatum	Gear not known	Sustainability	Not certified or in
Southeast Pacific		not rated	a FIP

Environmental Notes

• Profile not yet complete.

General Notes

Pacific thread			Some product	
herring	Purse seine	Managed	from MarinTrust	\checkmark
Opisthonema libertate	Fuise seine	Managea	Approved	•
Southeast Pacific			fisheries	
Fishery countries:				
Ecuador, Mexico				

- Bycatch of seabirds, sea turtles, marine mammals, and sharks may occur. More information is needed to fully assess the threat to ETP species.
- Bycatch in this fishery is considered low, but available data is still limited.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- 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

- Direct interactions with ETP species are thought to be rare and this fishery is unlikely to have a significant impact.
- There are management measures in place to limit the catch of the main bycatch species, sardines.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

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

References

MarinTrust, South African Multispecies, Fishery Assessment Report 2022



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

- More data is needed to understand the impacts on ETP species of different gear types used in saithe fisheries.
- Bycatch of cod and haddock occurs in saithe fisheries in the Northeast Atlantic.
- Impacts vary by gear type. 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.



Environmental Notes

• Profile not yet complete.

General Notes

No additional notes.

Shortfin scad Decapterus macrosoma Southeast Pacific Fishery countries:	Gear not known	Needs improvement	MarinTrust Improver	~
Ecuador				

Environmental Notes

- Occasional interactions with seabirds and sea turtles have been reported.
- Bycatch is a risk for this fishery. Management measures are in place for all main bycatch species except searobins.
- Ecuador has some measures in place to protect seafloor habitats but compliance is limited.

General Notes

This species is also used to produce marine ingredients from by-products.



Environmental Notes

- Impacts vary by gear type. Catch of sharks is a concern. In addition, there are risks to sea turtles with this fishery, but management measures are in place.
- Longline and purse seine gear are associated with a risk of bycatch in this fishery. Bycatch in unassociated (FAD-free) purse seine fisheries is lower than in associated purse seine fisheries.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• This species is also used to produce marine ingredients from by-products.



Environmental Notes

• Direct interactions with ETP species are thought to be rare and this fishery is unlikely to have a significant impact.

- There are management measures in place to limit the catch of the main bycatch species, sardines.
- The fishery uses purse seine gear, which is unlikely to have a significant impact on the sea bed.

General Notes

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

References

MarinTrust, South African Multispecies, Fishery Assessment Report 2022



Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Squalus acanthias

Western Central Pacific

Gear not known

Sustainability not rated

Some product from MarinTrust Improver fisheries

 \checkmark



Fishery countries: Vietnam

Environmental Notes

• Profile not yet complete.

General Notes

Splendid Ponyfish Eubleekeria splendens	Gear not known	Sustainability not rated	Some product from MarinTrust Improver fisheries	~
Western Central				
Pacific				

Vietnam

Environmental Notes

• Profile not yet complete.

General Notes

• This species is also used to produce marine ingredients from by-products.

Starry Butterfish Stromateus stellatus Gear not known Not certified or in not rated a FIP

Environmental Notes

• Profile not yet complete.

General Notes

• No additional notes.



Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

• This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)

Vellowfin tunaThunnus albacaresSoutheast PacificFishery countries:Ecuador	Gear not known	Sustainability not rated	Some product from MarinTrust Improver fisheries	~
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- Impacts vary by gear type. There are risks to sea turtles, sharks, seabirds and marine mammals with this fishery.
- Longline and purse seine gear are associated with a risk of bycatch in this fishery. Bycatch in unassociated (FAD-free) purse seine fisheries is lower than in associated purse seine fisheries.
- This fishery is unlikely to have a significant impact on the sea bed.

General Notes

• This species is also used to produce marine ingredients from by-products.



Environmental Notes

- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)



- There is insufficient information to estimate the impact of the fishery on ETP species.
- Bycatch is a risk for this fishery, which uses non-selective trawl gear.
- Bottom trawls will directly impact on the sea bed.

General Notes

- This species is also used to produce marine ingredients from by-products.
- This species is caught in a multispecies fishery involved in the FIP Vung Tau.

References

FisheryProgress, January 2021, Vung Tau Trawl Fisheries Environmental Rapid Assessment Report

FisheryProgress, Vietnam mixed species - trawl

MarinTrust, Vung Tau trawl, Vietnam (multispecies pilot)



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2016			
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2018	
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