Walmart US

Our customers and members count on Walmart to deliver affordable products in a way that is sustainable for people and for the planet. To meet those needs, we work with partners all along the supply chain to improve the sustainability of products we sell. We do this while working to offer quality products, everyday low prices and putting customers in charge of their food choices by helping provide clear, accurate information about food ingredients and production.

Walmart US employs more than 1.6 million U.S. associates at more than 5,000 stores and clubs nationwide.

The below profile is based upon reports by participating Walmart US suppliers and has not been verified by third-party traceability systems.

<table>
<thead>
<tr>
<th>Number of fisheries used</th>
<th>Number of certified fisheries</th>
<th>Number of fisheries in a FIP</th>
<th>Number of fisheries in a prospective FIP</th>
<th>Number of fisheries in pre-assessment</th>
</tr>
</thead>
<tbody>
<tr>
<td>70</td>
<td>35</td>
<td>25</td>
<td>9</td>
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</tr>
</tbody>
</table>

Fishing Methods Used in Associated Fisheries

- Midwater trawl
- Bottom trawl
- Dredge
- Seine nets
- Purse seine
- Gillnets and entangling nets
- Hook and line
- Long line
- Handlines and pole-lines
- Rake / hand gathered / hand netted
- Pots and traps

Summary

Walmart aspires to help make choices easier and more transparent for people. We serve hundreds of millions of customers every year, and we advocate for them among suppliers to provide more sustainably produced products while maintaining the low prices customers expect.

At Walmart, we value our relationships with the seafood suppliers who are dedicated to providing the highest in quality and safety through practices that promote sustainable fisheries and social responsibility. We know that seafood is an important source of protein, nutrition, and income for people all over the world. Therefore, we aspire to find our customers safe, affordable, and sustainable seafood that does not negatively affect global communities or the environment. Our goal is to build transparency and continuous improvement in the seafood supply chain so that we can build confidence and provide for our customers now and in the future.

Walmart believes the health of species, fisheries and ecosystems around the world is good for the planet and important to people today and in the future. We are working with our suppliers and partners to track the management of fisheries from which our suppliers source so that we can promote a sustainable supply. We are dedicated to disclosing and making transparent information on the fisheries as reported by our suppliers.

In addition, we care about the men and women in our supply chain and in the seafood industry as a whole, and we are concerned about the ethical recruitment and treatment of workers. While this is a complex issue, we are actively engaged in bringing together numerous stakeholders, NGOs and other private sector companies to help find solutions.

- [https://corporate.walmart.com/policies](https://corporate.walmart.com/policies)
- [https://corporate.walmart.com/2017grr](https://corporate.walmart.com/2017grr)
## Associated Fisheries

### Alaskan Pollock

**Fishery Name and Location:** Alaskan Pollock, Theragra chalcogramma, Sea of Okhotsk, Fishery countries: Russia

**Fishing Methods:** Midwater trawl

**Certification or FIP:** Certified

**Stock Status and Management:** Well managed

**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:**

- No additional notes.

<table>
<thead>
<tr>
<th>Fishery Name and Location</th>
<th>Fishing Methods</th>
<th>Certification or FIP</th>
<th>Stock Status and Management</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alaskan Pollock, Theragra chalcogramma, Sea of Okhotsk, Fishery countries: Russia</td>
<td>Midwater trawl</td>
<td>Certified</td>
<td>Well managed</td>
<td></td>
</tr>
</tbody>
</table>
Environmental Notes

- This fishery is unlikely to have direct impacts on PET species.
- Bycatch for this fishery is considered low and there are mitigation measures in place.
- 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.

### Albacore

**Thunnus alalunga**

**North Pacific**

Fishery countries:
- U.S.

<table>
<thead>
<tr>
<th>Method</th>
<th>Certification</th>
<th>Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Long line</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
<tr>
<td>Handlines and pole-lines</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Environmental Notes

- There are risks to seabirds, sea turtles, marine mammals and sharks with this fishery, but there are mitigation measures in place.
- Bycatch for this fishery includes other fish, tuna and sharks, 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.

### American sea scallop

**Placopsis magellanicus**

**Eastern Georges Bank**

Fishery countries:
- Canada

<table>
<thead>
<tr>
<th>Method</th>
<th>Certification</th>
<th>Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dredge</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
</tbody>
</table>

### 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

Caveat

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

Reference


### American sea scallop

**Placopsis magellanicus**

**US Atlantic**

Fishery countries:
- U.S.

<table>
<thead>
<tr>
<th>Method</th>
<th>Certification</th>
<th>Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dredge</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
</tbody>
</table>
### Arrow-tooth flounder
- **Atheresthes stomias**
- **Gulf of Alaska**
- **Fishery countries:** U.S.

**General Notes**
- No additional notes.

**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**
- No additional notes.

### Atlantic cod
- **Gadus morhua**
- **Icelandic**
- **Fishery countries:** Iceland

**General Notes**
- No additional notes.

**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.

### Atlantic herring
- **Clupea harengus**
- **W Newfoundland (fall and spring spawners)**
- **Fishery countries:** Canada

**General Notes**
- Profile not yet complete.

**General Notes**
- No additional notes.
<table>
<thead>
<tr>
<th>Fishery</th>
<th>Fishing Method</th>
<th>Status</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>American lobster</td>
<td>Pots and traps</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
<tr>
<td>Georges Bank and Nova Scotia offshore</td>
<td></td>
<td></td>
<td>Profile not yet complete.</td>
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<tr>
<td>Fishery countries: Canada</td>
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</tr>
<tr>
<td>American lobster</td>
<td>Pots and traps</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
<tr>
<td>Gulf of Maine</td>
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<tr>
<td>Fishery countries: US</td>
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<tr>
<td>Environmental Notes</td>
<td></td>
<td></td>
<td>There are risks to marine mammals with this fishery, but there are mitigation measures in place.</td>
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<tr>
<td></td>
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<td></td>
<td>Sycatch of fin-fish, particularly cod, is a risk in this fishery, but there is insufficient data available to assess significance.</td>
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<tr>
<td></td>
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<td></td>
<td>This fishery is unlikely to have a significant impact on the sea bed.</td>
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<tr>
<td>General Notes</td>
<td></td>
<td></td>
<td>No additional notes</td>
</tr>
<tr>
<td>American lobster</td>
<td>Pots and traps</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
<tr>
<td>Bay of Fundy</td>
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<tr>
<td>Fishery countries: Canada</td>
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<td>Environmental Notes</td>
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<td>Profile not yet complete.</td>
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<tr>
<td>General Notes</td>
<td></td>
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<td>No additional notes</td>
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<td>American lobster</td>
<td>Pots and traps</td>
<td>Certified</td>
<td>Well managed</td>
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<tr>
<td>Gulf of St. Lawrence South</td>
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<tr>
<td>Fishery countries: Canada</td>
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</tbody>
</table>
### American Lobster
*Homarus americanus*

**SW Nova Scotia**

Fishery countries: Canada

<table>
<thead>
<tr>
<th>Method</th>
<th>Certification</th>
<th>Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pots and traps</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
</tbody>
</table>

**General Notes**
- No additional notes

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### 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.

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

### Reference
SAC Global MSC Assessment for Bay of Fundy, Scotian Shelf and Southern Gulf of St Lawrence Lobster (*Homarus americanus*) Trap Fisheries – Public Certification Report, 2015

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### Blue Crab
*Callinectes sapidus*

**US NW Gulf of Mexico**

Fishery countries: U.S.

<table>
<thead>
<tr>
<th>Method</th>
<th>Certification</th>
<th>Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pots and traps</td>
<td>Certified</td>
<td>Well managed</td>
</tr>
</tbody>
</table>

**General Notes**
- No additional notes

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### Environmental Notes
- There are risks to marine mammals with this fishery.
- Profile not yet complete.

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### Blue Crab
*Callinectes sapidus*

**Mexico Gulf of Mexico**

Fishery countries: Mexico

<table>
<thead>
<tr>
<th>Method</th>
<th>Certification</th>
<th>Management Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pots and traps</td>
<td>FIP</td>
<td>Profile not yet complete</td>
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</tbody>
</table>

**General Notes**
- No additional notes

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### Environmental Notes
- Profile not yet complete.
### Environmental Notes
- This fishery is unlikely to impact PET species, but available data is still limited.
- Bycatch is a significant risk for this fishery.
- This fishery is unlikely to have a significant impact on the sea bed.

### General Notes
#### Other ratings
Seafood Watch categorizes blue swimming crab caught in Indonesia with gillnets and pots as a "Avoid", with a score for Criterion 1: Target Species of 2.64 and a score for Criterion 3: Management of 1.00.

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

<table>
<thead>
<tr>
<th>Blue swimming crab</th>
<th>Gillnets and entangling nets</th>
<th>FIP</th>
<th>Needs improvement</th>
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<tr>
<td>Portunus pelagicus</td>
<td>Pots and traps</td>
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<td>Java Sea</td>
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</tr>
</thead>
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<tr>
<td>Portunus pelagicus</td>
<td>Pots and traps</td>
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<td>Philippines</td>
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<tr>
<td>Philippines</td>
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<th>Needs improvement</th>
</tr>
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<tr>
<td>Portunus pelagicus</td>
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<td>Vietnam</td>
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<td></td>
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<tr>
<td>Vietnam</td>
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</tbody>
</table>

### Environmental Notes
- There are risks to marine mammals with this fishery.
- Bycatch varies for this fishery depending on gear type, trawls and gillnets tend to be the most indiscriminate while crab pots are very selective.
- The impact depends on the gear type. Bottom trawls will have the greatest impact on the sea bed.

### General Notes
#### Other ratings
Seafood Watch categorizes blue swimming crab caught in the Philippines (Tawi-Tawi and Visayan Sea) with gillnets and pots as a "Avoid", with a score for Criterion 1: Target Species of 1.75-2.84 and a score for Criterion 3: Management of 1.00.

#### 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
Seafood Watch, 2013, Philippines Blue Swimmer Crab Seafood Watch Report

<table>
<thead>
<tr>
<th>Blue swimming crab</th>
<th>Gillnets and entangling nets</th>
<th>FIP</th>
<th>Needs improvement</th>
</tr>
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<tbody>
<tr>
<td>Portunus pelagicus</td>
<td>Pots and traps</td>
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<td>Fishery countries:</td>
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<td></td>
</tr>
<tr>
<td>Philippines</td>
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</tbody>
</table>

### Environmental Notes
- There are risks to marine mammals with this fishery.
- Bycatch varies for this fishery depending on gear type, trawls and gillnets tend to be the most indiscriminate while crab pots are very selective.
- The impact depends on the gear type. Bottom trawls will have the greatest impact on the sea bed.
- There are risks to sea turtles with this fishery.
- There is bycatch for this fishery but non-target species are retained.
- Habitat impacts in this fishery are not well understood.

**General Notes**
- No additional notes

### Caribbean spiny lobster
- **Fishery countries:** Bahamas
- **Methods:** Rake / hand gathered / hand netted
- **Status:** FIP
- **Needs improvement**

### Environmental Notes
- Profile not yet complete.

### General Notes
- This fishery is in MSC full assessment as of January 2017.

### References
- Marine Stewardship Council, Bahamian Spiny Lobster Fishery

### Chinook salmon
- **Fishery countries:** U.S.
- **Methods:** Purse seine, Gillnets and entangling nets
- **Status:** Certified
- **Well managed**

### 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

### Chum salmon
- **Fishery countries:** U.S.
- **Methods:** Seine nets, Purse seine, Gillnets and entangling nets
- **Status:** Certified
- **Well managed**

### 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.
Coho salmon

Alaska

Fishery countries:
US

- Purse seine
- Gillnets and entangling nets
- Long line
- Pots and traps

Certified

Well managed

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
InterTek Moody Marine, 2013, Alaska Salmon Fishery MSC Public Certification Report

Dungeness crab

Oregon

Fishery countries:
US

- Pots and traps

Prospective FIP

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 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

Dot-dash grouper

Aru Bay, Arafura Sea and Eastern of Timor Sea

Fishery countries:
Indonesia

- Long line
- Handlines and pole-lines

FIP

Profile not yet complete

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.
- This fishery is in a basic FIP and has a progress rating of B.
<table>
<thead>
<tr>
<th>Fishery</th>
<th>Haddock</th>
<th>Environmental Notes</th>
<th>General Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>• This fishery is unlikely to impact PET species.</td>
<td>• No additional notes.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Bycatch varies for this fishery depending on gear type. Long lines and gillnets present the greatest risk.</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Bottom trawls will directly impact on the sea bed. Measures to protect vulnerable habitats such as cold water coral reefs are in place.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Fishery</th>
<th>Haddock</th>
<th>Environmental Notes</th>
<th>General Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>• There are risks to sea turtles and marine mammals with this fishery.</td>
<td>• No additional notes.</td>
</tr>
</tbody>
</table>
### Japanese threadfin bream
- **Species:** Nemipterus japonicus
- **Geographical area:** Western Indian Ocean
- **Fishery countries:** India
- **Fishery:** Bottom trawl
- **FIP:** Profile not yet complete
- **Environmental Notes:**
  - There are risks to marine mammals with this fishery.
  - Bycatch is a risk for this fishery.
  - Bottom trawls will directly impact the sea bed. Measures to protect vulnerable habitats such as cold water coral reefs are in place.
- **General Notes:**
- **References:**
  - Fishery Progress, India threadfin bream - trawl

### Jonah crab
- **Species:** Cancer borealis
- **Geographical area:** US Atlantic
- **Fishery countries:** US
- **Fishery:** Pots and traps
- **FIP:** Needs improvement
- **Environmental Notes:**
  - Profile not yet complete.
- **General Notes:**
- **Other ratings:** Seafood Watch categorises Jonah crab caught in US Atlantic with pots as a "Good Alternative", with a score for Criterion 1: Target Species of 2.64 and a score for Criterion 3: Management of 1.79-3.00.
- **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:** Seafood Watch, 2013, U.S. Atlantic Rock and Jonah Crab Seafood Watch Report

### Mahi-mahi
- **Species:** Coryphaena hippurus
- **Geographical area:** Eastern Pacific Ocean
- **Fishery countries:** Ecuador
- **Fishery:** Long line
- **FIP:** Needs improvement
- **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:**
  - No additional notes.
### Mahi-mahi
*Coryphaena hippurus*

**Eastern Pacific Ocean**

**Fishery countries:** Peru

- Long line
- *FIP*
- Needs improvement

**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**
- No additional notes.

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### Mitre squid
*Loligo chinensis*

**China**

- Purse seine
- Handlines and pole-lines
- *Prospective FIP*
- Needs improvement

**Environmental Notes**
- There are risks to FET 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**

**References**
*Fishery Progress, PROSPECTIVE Chinese common squid - hook & line/purse seine/trawl*

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### Mytilus musculus
*M. muusculus*

**Chinese waters**

**Fishery countries:** China

- Pots and traps
- *Prospective FIP*
- Profile not yet complete

**Environmental Notes**
- Profile not yet complete.

**General Notes**
- No additional notes.

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### North Pacific hake
*M. productus*

**NE Pacific**

**Fishery countries:** US, Canada

- Midwater trawl
- *Certified*
- Well managed

**Environmental Notes**

**General Notes**

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### Environmental Notes
- This fishery is unlikely to impact PEF 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 brown shrimp
*Peneaus arenicus*

**Northern Gulf of Mexico – Louisiana**

**Fishery countries:** U.S.

- Bottom trawl
- Rake / hand gathered / hand natted

**FIP**

**Needs improvement**

#### Northern pink shrimp
*Peneaus aztecus*

**Northern Gulf of Mexico**

**Fishery countries:** U.S.

- Bottom trawl

**FIP**

**Well managed**

#### Northern white shrimp
*Peneaus setiferus*

**Northern Gulf of Mexico**

**Fishery countries:** U.S.

- Bottom trawl

**FIP**

**Managed**

### 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
- No additional notes.
### 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
- No additional notes.

### Environmental Notes
- There are risks to seabirds and marine mammals with this fishery, but there are mitigation measures in place.
- Bycatch is a risk for this fishery, but there is insufficient data available to assess significance.
- Bottom trawls will directly impact on the sea bed. However, management measures are in place.

### General Notes
- No additional notes.
### Pacific Cod

**Scientific name:** Gadus macrocephalus

**Fishery countries:** Russia

<table>
<thead>
<tr>
<th>Environmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Profile not yet complete.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Other ratings</strong></td>
</tr>
<tr>
<td>Seafood Watch categorises pacific cod caught in the Russian Federation with longlines as a “Avoid”, with a score for Criterion 1: Target Species of 3.05 and a score for Criterion 3: Management of 1.73.</td>
</tr>
<tr>
<td>The Marine Conservation Society categorises the Russia West Bering Sea, East Kamchatka &amp; Karaginsky fisheries for Pacific cod caught with longlines as “Rating 3 (yellow)”.</td>
</tr>
</tbody>
</table>

**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**
Seafood Watch, 2014, Russian Federation Pacific Cod Seafood Watch Report
MCS’s Good Fish Guide – Cod, Pacific Cod

### Pacific Cod

**Scientific name:** Gadus macrocephalus

**Fishery country:** Russia

<table>
<thead>
<tr>
<th>Environmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>- There are risks to seabirds with this fishery.</td>
</tr>
<tr>
<td>- Bycatch is a significant risk for this fishery. This fish is caught as bycatch in other fisheries.</td>
</tr>
<tr>
<td>- This fishery is unlikely to have a significant impact on the seabed.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>General Notes</th>
</tr>
</thead>
<tbody>
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<td><strong>Other ratings</strong></td>
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</tr>
</tbody>
</table>

**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**
Seafood Watch, 2014, Russian Federation Pacific Cod Seafood Watch Report
MCS’s Good Fish Guide – Cod, Pacific Cod

### Pacific Halibut

**Scientific name:** Hippoglossus stenolepis

**Fishery country:** U.S.

<table>
<thead>
<tr>
<th>Environmental Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>- There are risks to seabirds with this fishery, but there are mitigation measures in place.</td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>General Notes</th>
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<td>The Marine Conservation Society categorises the Russia West Bering Sea, East Kamchatka &amp; Karaginsky fisheries for Pacific cod caught with longlines as “Rating 3 (yellow)”.</td>
</tr>
</tbody>
</table>

**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**
Seafood Watch, 2014, Russian Federation Pacific Cod Seafood Watch Report
MCS’s Good Fish Guide – Cod, Pacific Cod
### Patagonian scallop
*Zygoclamys patagonica*

**Argentina**

**Fishery countries:**
*Argentina*

- Bottom trawl
  - **Certified**
  - **Well managed**

### 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
- Profile not yet complete for all assessment units.

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

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

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### Pink salmon
*Oncorhynchus gorbuscha*

**Alaska**

**Fishery countries:**
*U.S.*

- Purse seine
- Gillnets and entangling nets
- Long line
  - **Certified**
  - **Well managed**

### Environmental Notes
- This fishery is unlikely to impact PET species. However, available information is outdated.
- 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 sea bed.

### General Notes
- No additional notes.

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### Queen crab
*Chionoecetes opilio*

**Alaska**

**Fishery countries:**
*U.S.*

- Pots and traps
  - **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 fishery is certified through the Alaska Responsible Fisheries Management (RFM) Program.
<table>
<thead>
<tr>
<th>Queen crab</th>
<th>Pots and traps</th>
<th>FIP</th>
<th>Profile not yet complete</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Karaginsky</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fishery countries:</strong> Russia</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Queen crab</th>
<th>Pots and traps</th>
<th>FIP</th>
<th>Needs improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Northern Sea of Okhotsk</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fishery countries:</strong> Russia</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Environmental Notes**
- There are potential risks to PET species with this fishery, but there is insufficient data available to assess significance.
- 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**
- **Other ratings**
  - Seafood Watch categorises snow crab caught in Russia as on the “Avoid” list, with a score Criterion 3: Management of 0.00.
  - Ocean Wise categorises snow crab caught in Russia - Sea of Okhotsk with pot/trap as “Not Recommended.”

**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**
- Seafood Watch, 2016, Russian Far East Commercially Important Crabs Report
- FishChoice, Seafood Buying Guides: Snow Crab
- 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

| Rainbow smelt Osmerus mordax  
| Lake Erie  
| Fishery countries: Canada |
| --- | --- | --- |
| Gillnets and entangling nets  
| Pots and traps | Not certified or in a FIP | Profile not yet complete |

**Environmental Notes**
- There is a lack of information on interactions with PET species in 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.

**General Notes**
- No additional notes

| Red king crab Paralithodes camtschaticus  
| Bristol Bay  
| Fishery countries: USA |
| --- | --- | --- |
| Pots and traps | Certified | Well managed |

**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**
- This fishery is certified through the Alaska Responsible Fisheries Management (RFM) Program.

**References**
Alaska Seafood Marketing Institute, RFM Certification: Alaska Crab

| Red king crab Paralithodes camtschaticus  
| Western Kamchatka  
| Fishery countries: Russia |
| --- | --- | --- |
| Pots and traps | FIP | Profile not yet complete |

**Environmental Notes**
- There is a lack of information on interactions with PET species in 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.

**General Notes**
- No additional notes
### Red swamp crawfish

**Procamburus clarkii**

- **Chinese waters**
- **Fishery countries:** China

- **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**

### Red swamp crawfish

**Procamburus clarkii**

- **Guadalquivir delta**
- **Fishery countries:** Spain

- **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**
  - No additional notes.

### Snappers

**Lutjanidae**

- **Vietnam**
- **Fishery countries:** Vietnam

- **Environmental Notes**
  - Profile not yet complete.

- **General Notes**
  - No additional notes.
<table>
<thead>
<tr>
<th>Species</th>
<th>Gear</th>
<th>Certification</th>
<th>Status</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Snappers (<em>Lutjanus spp.</em>)</td>
<td>Long line, Handlines and pole-lines</td>
<td>FIP</td>
<td>Profile not yet complete</td>
<td></td>
</tr>
<tr>
<td>Sockeye salmon (<em>Oncorhynchus nerka</em>)</td>
<td>Purse seine, Gillnets and entangling nets, Long line</td>
<td>Certified</td>
<td>Well managed</td>
<td></td>
</tr>
<tr>
<td>South Pacific hake (<em>Merluccius gayi</em> gayi)</td>
<td>Midwater trawl, Bottom trawl, Gillnets and entangling nets, Hook and line</td>
<td>FIP</td>
<td>Needs improvement</td>
<td></td>
</tr>
<tr>
<td>Southern king crab (<em>Lithodes santolae</em>)</td>
<td>Pots and traps</td>
<td>Prospective FIP</td>
<td>Profile not yet complete</td>
<td></td>
</tr>
</tbody>
</table>

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

**General Notes**
- This fishery is in a basic FIP and has a progress rating of B.

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

**References**
<table>
<thead>
<tr>
<th>Atlantic – Argentina federal</th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Fishery countries:</td>
<td>Argentina</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Environmental Notes**
- This fishery is unlikely to impact PET species, but available data is still limited.
- 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

<table>
<thead>
<tr>
<th>Swordfish</th>
<th>Long line</th>
<th>FIP</th>
<th>Needs improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Xiphius gladius</em></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Indian Ocean</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fishery countries: Indonesia</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**
- No additional notes.

<table>
<thead>
<tr>
<th>Walleye</th>
<th>Gillnets and entangling nets</th>
<th>Certified</th>
<th>Well managed</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Sander vitreus</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lake Erie western and central</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fishery countries: Canada</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Warty swimming crab</th>
<th>Pots and traps</th>
<th>Prospective FIP</th>
<th>Needs improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Portunus haustrum</em></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fishery countries: China</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Environmental Notes
- Profile not yet complete.

General Notes

Other ratings
Seafood Watch categorises warty swimming crab caught in China with pots as a "Avoid", with a score for Criterion 1: Target Species of 2.64 and a score for Criterion 3: Management of 100.

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
Seafood Watch, 2015, China, India, Indonesia, Thailand and Vietnam Blue and Red Swimming Crab Seafood Watch Report

<table>
<thead>
<tr>
<th>Warty swimming crab</th>
<th>Bottom trawl</th>
<th>Prospective FIP</th>
<th>Profile not yet complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portunus haani</td>
<td>Vietnam</td>
<td>Fishery countries: Vietnam</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Whiskered velvet shrimp</th>
<th>Bottom trawl</th>
<th>Prospective FIP</th>
<th>Profile not yet complete</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metapeneaeopsis barbata</td>
<td>East China Sea and South China Sea</td>
<td>Fishery countries: China</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Yellowfin sole</th>
<th>Bottom trawl</th>
<th>Certified</th>
<th>Well managed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lutjanus aprea</td>
<td>Bering Sea and Aleutian Islands</td>
<td>Fishery countries: US</td>
<td></td>
</tr>
</tbody>
</table>

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, 2018, MSC Public Certification Report for Bering Sea-Alutian Islands Alaska Flatfish Fishery

<table>
<thead>
<tr>
<th>Yellowfin tuna</th>
<th>Long line</th>
<th>FIP</th>
<th>Needs improvement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thunnus albacares</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Indian Ocean</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fishery countries:</strong> Indonesia</td>
<td></td>
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<td></td>
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</tbody>
</table>

**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.
- This fishery is unlikely to have a significant impact on the sea bed.

**General Notes**
- This fishery is in a basic FIP and has a progress rating of B.

<table>
<thead>
<tr>
<th>Yellowfin tuna</th>
<th>Long line</th>
<th>FIP</th>
<th>Managed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thunnus albacares</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Western and Central Pacific Ocean</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fishery countries:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cook Islands, Micronesia</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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 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.

<table>
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<tr>
<th>Yellowfin tuna</th>
<th>Long line</th>
<th>FIP</th>
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<td>Thunnus albacares</td>
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<td></td>
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<td><strong>Fishery countries:</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Marshall Islands</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Environmental Notes
- The interaction of this fishery with PET species is unknown.
- Bycatch is a risk for this fishery.
- Bottom trawls will directly impact the sea bed.

### General Notes
- No additional notes.

### Environmental Notes
- Profile not yet complete.

### General Notes

**Other ratings**

Seafood Watch categorises yellowtail rockfish caught on the U.S. West Coast with midwater or bottom trawls is a "Best Choice", with a score for Criterion 1: Target Species of 5.00 and a score for Criterion 3: Management of 3.40-4.00.

Ocean Wise categorises yellowtail rockfish caught in USA - West Coast with midwater and bottom trawls as "Recommended."

On NOAA's Fish Stock Sustainability Index (FSSI), yellowtail rockfish caught in USA - West Coast with midwater and bottom trawls scores 4/4 points.

### References

- FishChoice, Seafood Buying Guides: Yellowtail Rockfish