

# Overharvesting of Fish

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From this...

...To this

# Importance of this Issue

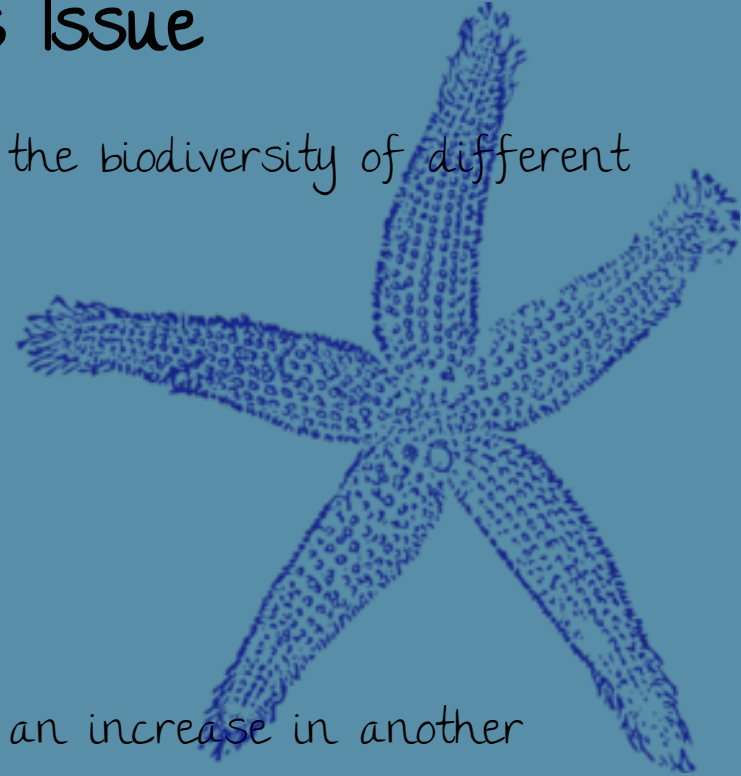
unsustainable fishing practices are destroying the biodiversity of different ecosystems

Why are these fish being overharvested?

- Food
- use in daily products

How does this affect an ecosystem?

- Gets rid of one link in the food chain
- Can lead to extinction
- Can lead to a decline of one population and an increase in another



# The Big Problem

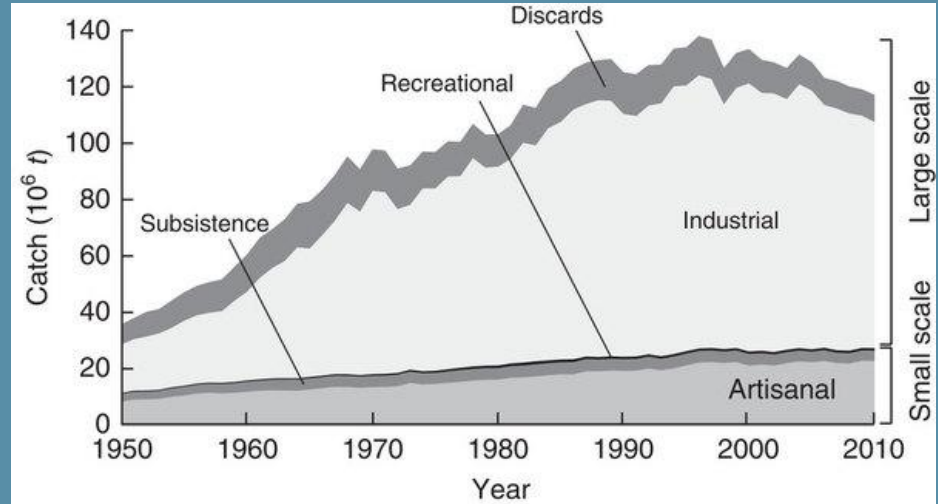
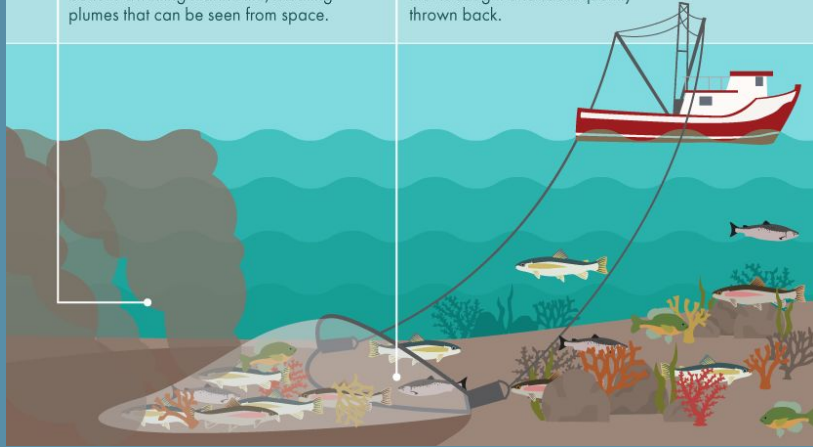
- In 55 years, humans have eliminated 90% of the top predators
  - Like sharks, bluefin tuna, swordfish, marlin, and king mackerel
- More seafood is taken than needed
  - Especially of bycatch
- Ghost netting
- Bottom trawling
- Shark finning
- Fishing fleets are 2-3 larger than sustainable

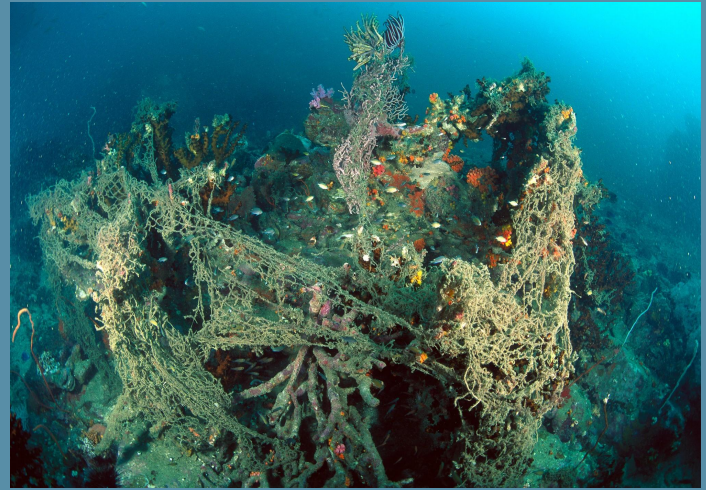


## Effects of Bottom Trawling

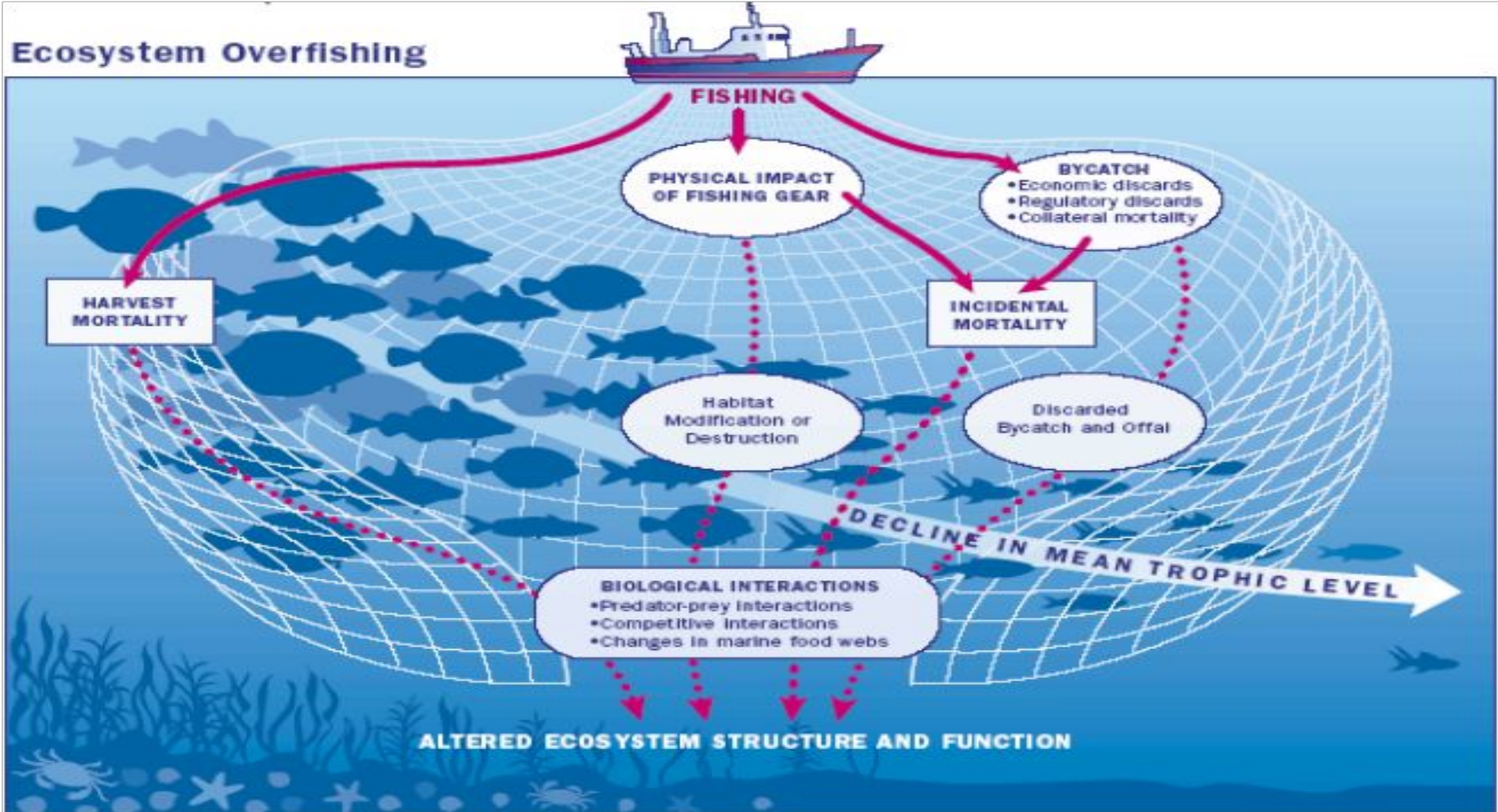
Bottom trawling can destroy coral reefs and disrupt sediment and bottom-dwelling marine life, creating plumes that can be seen from space.

Unwanted fish or marine life can make up 40-90% of the bycatch that is caught and subsequently thrown back.



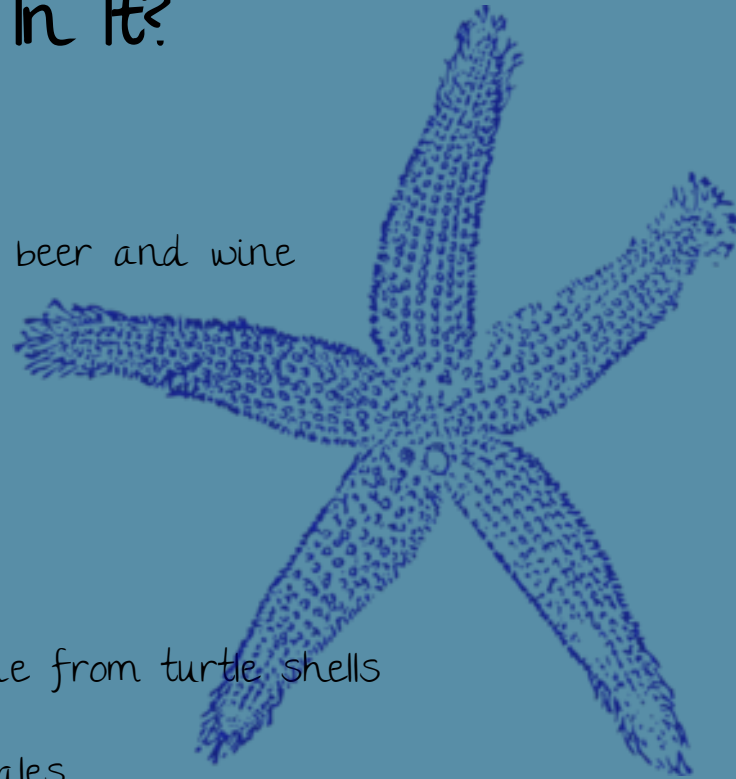


# Ecosystem Overfishing



# So What Has Fish In It?

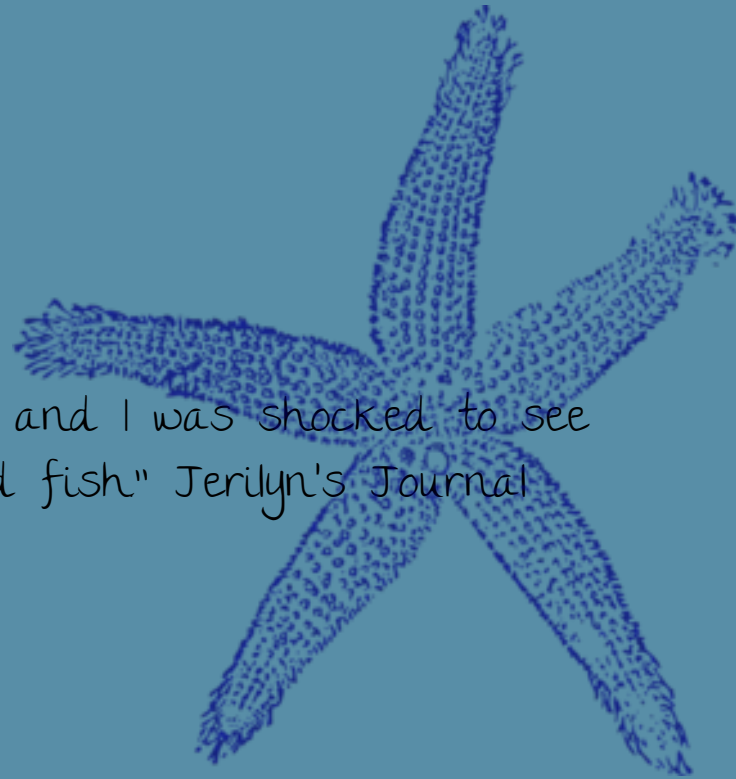
- Fish (Obviously)
- Beer and Wine
  - Isinglass, made from fish swim bladders is in beer and wine
- Lipstick
  - Fish scales make it glimmery
- Omega 3-Enhanced Foods
  - Peanut butter, orange juice, yogurt
- Nail Polish
  - Herring Fish Scales make it shimmery
- Shampoo and Conditioner
  - If it has Keratin in the ingredients, it is made from turtle shells
- Cologne and Perfume
  - Can come from the scent sac from sperm whales





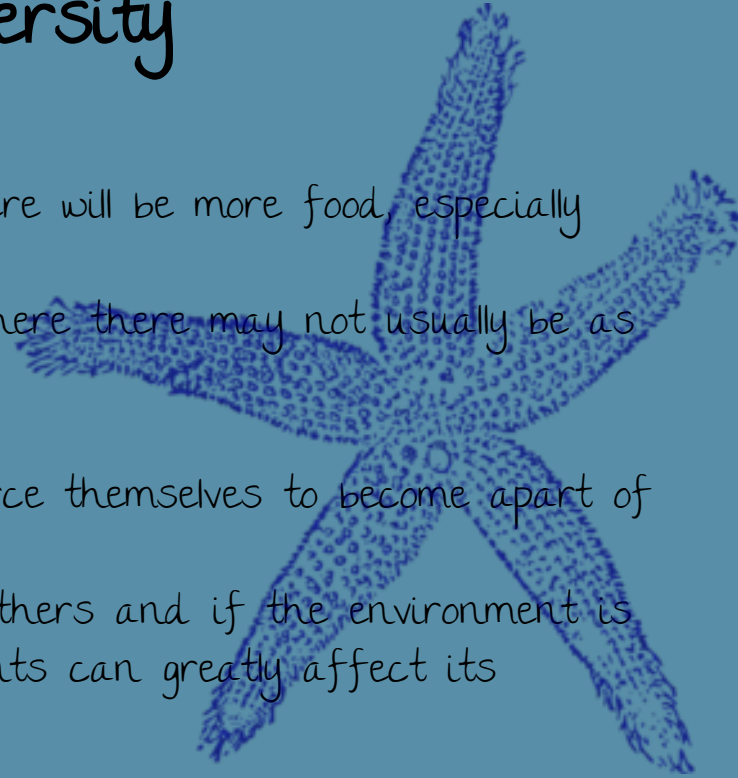
# our changes

- Refrained from consuming fish
- Limited our use of fish products.
- Not purchase products with fish byproducts.
- Spread awareness on the issue.
- "I looked up products that have fish in them and I was shocked to see that some products that I use daily contained fish" Jerilyn's Journal Entry, Monday, July 11



# Our view of Biodiversity

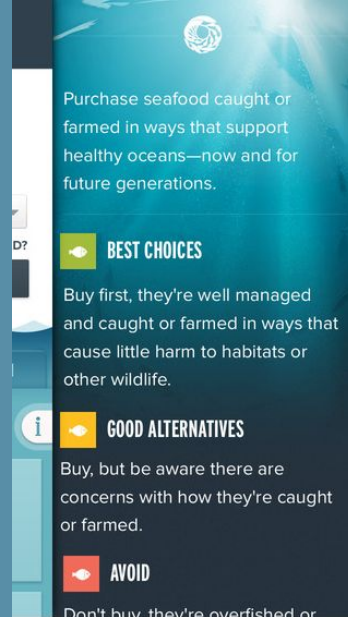
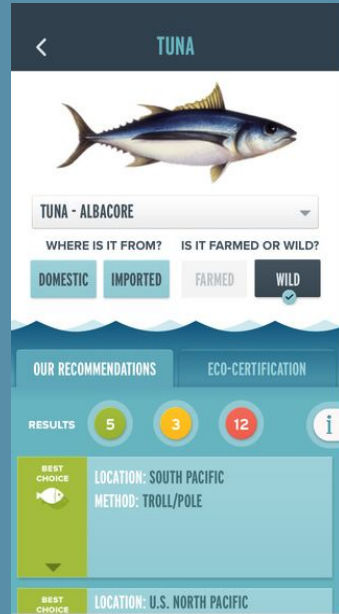
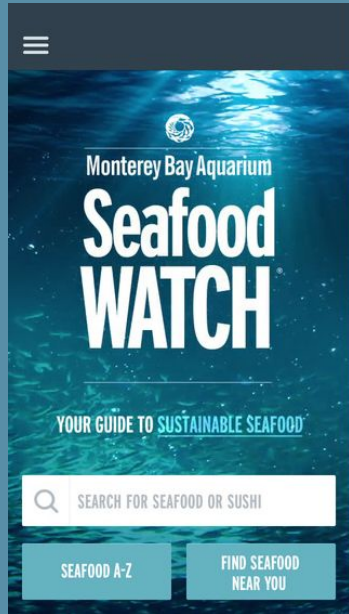
- Pros
  - More kinds of fish / animals means that there will be more food, especially for large predators
  - More medicine and raw materials in places where there may not usually be as much on land
- Cons
  - Can cause invasive species to spread and force themselves to become a part of the environment
  - Some plants require much more upkeep than others and if the environment is not made to fit those requirements, those plants can greatly affect its surroundings



# Seafood Watch



- Seafood Watch App by the Monterey Bay Aquarium
- Limit the heavy use of seafood rich products



# Works Cited

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