

Nourishing the Future: Sustainable Food Systems  
for Nutrition and Dietetic Students

**Module 4: Aquatic Foods, Nutrition, and Sustainability**

# Practice and Resources Booklet



JOHNS HOPKINS  
CENTER *for* A LIVABLE FUTURE

**FOOD + PLANET**

© Copyright 2026 Johns Hopkins University.

Last revised: January 16, 2026

Nourishing the Future: Sustainable Food Systems for Nutrition and Dietetic Students  
*Module 4: Aquatic Foods, Nutrition, and Sustainability: Practice and Resources*  
Booklet

[Attribution-NonCommercial-ShareAlike 4.0 International](https://creativecommons.org/licenses/by-nc-sa/4.0/)



# Table of Contents

---

<b>Table of Contents .....</b>	<b>3</b>
<b>Case Study 1: Sustainable Aquatic Foods Communication .....</b>	<b>4</b>
Background .....	4
Assignment.....	4
Discussion Questions .....	4
Application in Practice .....	5
<b>Case Study 2: Aquatic Foods Access for Low-Income Families .....</b>	<b>6</b>
Background .....	6
Assignment.....	6
Discussion Questions .....	6
<b>Case Study 3: Seafood Watch and Super Greens.....</b>	<b>7</b>
Background .....	7
Assignment.....	7
Discussion Questions .....	7
<b>Supplemental Activity 1: Ocean Regulation in the United States.....</b>	<b>8</b>
Objective .....	8
Background .....	8
Instructions .....	8
<b>Supplemental Activity 2: Introducing Underconsumed Aquatic Foods .....</b>	<b>10</b>
Objective .....	10
Background .....	10
Instructions .....	10
<b>Learn More .....</b>	<b>11</b>
Buying Aquatic Foods.....	11
Preparing Aquatic Foods.....	11
Professional Integration .....	11
<b>Glossary.....</b>	<b>12</b>
<b>References .....</b>	<b>14</b>
<b>Appendix A: Seafood Watch and Super Greens .....</b>	<b>18</b>
<b>Appendix B: Comparing Different Forms of Seafood .....</b>	<b>19</b>

# Case Study 1: Sustainable Aquatic Foods Communication

---

## Background

Some of the great sustainability challenges in the aquatic foods sector include mislabeling, fraud, and illegal fishing. These issues threaten marine ecosystems, undermine responsible fishermen, and reduce consumer trust.

- [COMEPESCA](#) is a nonprofit organization based in Mexico whose mission is to promote sustainable seafood consumption and support responsible fisheries. In 2019, it launched [iPescado](#), an online platform that connected stakeholders with seafood products sourced from verified Mexican fishermen and fish farmers. It aims to increase the visibility of locally caught, traceable, and sustainably produced seafood. It serves as an invaluable tool for providing up-to-date information on seafood products and educational material for consumers.

## Assignment

You are a member of the communications team, and it is World Oceans Day. Your task is to propose an educational campaign that highlights sustainable fishing or aquaculture practices used in Mexican seafood production.

## Discussion Questions

Consumer education plays a critical role in raising awareness about sustainability issues and encouraging behavior change. iPescado utilizes blog posts to educate consumers, distributors, and stakeholders about responsible fishing and aquaculture.

1. What are three barriers you anticipate during the process of transporting aquatic foods from the ocean to the food banks? What is a practical strategy to overcome each barrier?
2. What key messages do you want to share through this campaign? What strategies will you use to communicate your messages? How will you tailor these messages to resonate with different audiences (e.g., consumers, distributors, policymakers)?
3. In what ways does media influence consumer purchasing decisions and food choices? What principles can dietitians communicate to help consumers identify reliable media sources?

## Application in Practice

This is an optional addition to the case study.

- Visit the iPescado's [Featured products](#) and select two species. Review and summarize the species name, source, fishing or farming method, and any listed sustainability certifications or claims.

*Tip: Use Google Translate for English language*

- Based on your findings, write a blog post explaining why sustainable seafood matters, highlighting the sustainable practices for each selected species, and encouraging readers to support responsibly sourced seafood.

*Tip: Review past iPescado [blog posts](#)*

# Case Study 2: Aquatic Foods Access for Low-Income Families

---

## Background

The seafood industry faces a major inefficiency: bycatch, which refers to the unintentional capture of animals that are then discarded during fishing operations. It is estimated that up to 40% of total catch is discarded annually. Much of this bycatch consists of edible fish that are already dead or dying and therefore cannot be sold commercially.

- [SeaShare](#) is a non-profit organization that works with fishermen to recover and donate edible bycatch food banks across the United States. Their mission is to deliver nutrient-dense seafood protein to hunger-relief organizations, helping to meet essential nutrient needs while reducing food waste. They have formed dozens of partnerships, including Feeding America, to make their vision a reality. In 2024, they were able to accomplish the following:
  - 6.8 million servings of seafood donated to food-insecure Americans
  - 54 food banks and feeding centers served in 21 states
  - 2.2 million Americans reached nationwide

## Assignment

As part of the SeaShare leadership team, you will analyze the seafood donation process and identify opportunities to strengthen its effectiveness. Begin by reviewing the [Home](#) and [How We Work](#) pages.

## Discussion Questions

SeaShare oversees the logistics in fish donations, cold storage, processing, shipping, and distribution.

1. What are three barriers you anticipate during the process of transporting seafood from the ocean to the food banks? Propose practical strategies to overcome each barrier.
2. To what extent do you think SeaShare's model can be scaled globally? What factors might support or limit the implementation of similar programs in other countries?
3. From a dietitian's perspective, what roles can nutrition professionals play in shaping and contributing to a more equitable, sustainable seafood system?

# Case Study 3: Seafood Watch Super Green List

---

## Background

[Seafood Watch](#), established by the Monterey Bay Aquarium, assesses the environmental impacts of farmed and wild-caught aquatic foods to inform producers, vendors, and consumers on recommendations for sustainable practices. Some of its key outcomes include:

- Increased awareness of aquatic foods
- Health professional engagement
- Ecosystem protection
- Empowered customers

## Assignment

Read the Seafood Watch case study in Appendix A.

## Discussion Questions

As demonstrated by Food + Planet's collaboration with Monterey Bay Aquarium's Seafood Watch program, the Super Green List helped to fill a need for information on sustainable seafood.

1. What are other information gaps that you feel exist about sustainable foods?
2. How can registered dietitian nutritionists partner with other professionals or organizations to provide more accessible, science-backed information to fill these gaps?

# Supplemental Activity 1: Ocean Regulation in the United States

---

## Objective

Explore regulatory policies, species significance, and economic dimensions of water resource management within the United States and propose policy recommendations to strengthen its governance.

## Background

The governance of seafood systems is complicated by the ocean's vastness, interconnectedness, and species movement. Effective governance requires a comprehensive understanding of the political, environmental, and economic dimensions of ocean space to balance conservation objectives with sustainable resource use.

- OceanReports is an online, geospatial tool developed by the Bureau of Ocean Energy Management (BOEM) and the National Oceanic and Atmospheric Administration (NOAA) that integrates spatial data for the visualization and analysis of ocean space in the United States. It was designed to help with efforts in conservation, ocean planning, and industry development.

## Instructions

A legislator is interested in learning about the governance strategies and implications in the waters surrounding the United States. Using OceanReports, you will compile water resource management data to help inform their policy.

- Watch the [Overview](#) and [Uses](#) videos for [OceanReports](#).
- Choose one location off of a US coast on OceanReports via [Draw Custom Area](#) or [View Quick Reports](#). Think about the following:
  - What are the regulations or management priorities of that location? Why might that be?
  - Which species are most dependent on this habitat? Which, if any, are protected or commercially important?
  - What industries are present or restricted? How do these reflect policy trade-offs?
- Fill in the table below or create a similar one to present the policies, species, and economic significance for your chosen region. Write a brief summary describing the key findings and provide 1-2 policy recommendations for your legislator to improve its governance.



Place-Based Water Governance	
Location	
Policies	
Species	
Economics	
Summary	
Recommendations	

# Supplemental Activity 2: Introducing Underconsumed Aquatic Foods

---

## Objective

Educate a specific audience about the benefits of a less-commonly consumed aquatic food and identify recipe ideas to encourage its use.

## Background

The most commonly consumed aquatic foods in the United States are shrimp, salmon, tuna, cod, tilapia, and oysters. However, many other aquatic species are nutritious, affordable, and sustainably produced. Consuming a variety of these foods can increase dietary diversity and support more resilient food systems. As nutrition educators, it is important to raise the visibility of these lesser-known food options through clear, engaging education.

## Instructions

You will design a handout for consumers. The final product should be clear, visually engaging, and written in an accessible manner. The [Monterrey Bay Aquarium Seafood Watch](#) website and [Seafood Nutrition Partnership](#) handouts are great resources.

- Identify a target audience that you want to educate.
- Choose an aquatic food that is not a commonly consumed species in the US
- Research and review the information for your chosen aquatic food. Create a handout introducing it to your audience, titled “Why [underconsumed aquatic food you chose]”. Incorporate the following information:
  - Key nutrients and associated health outcomes
  - Environmental impacts of production
  - Ways to address barriers to consumption
  - 1-2 recipes that feature this food that align with the cultural values and taste preferences of your target audience

# Learn More

---

## Buying Aquatic Foods

- [Advice About Eating Fish for Those Who Might Become or Are Pregnant or Breastfeeding and Children Ages 1 – 11 Years](#) (FDA and EPA, 2021)
- [Monterey Bay Aquarium Seafood Watch](#)

## Preparing Aquatic Foods

- [Blue Foods as Medicine Cookbook](#) (Food + Planet, 2023)
- [Seafood Nutrition Partnership](#)
- [Frozen to Table: Easy Tips for Cooking Frozen Seafood](#) (Seafood Nutrition Partnership, 2019)

## Professional Integration

- [Bivalves and Sea Vegetables: Resources for Health and Nutrition Professionals](#) (Food + Planet)
- [Harnessing Blue Foods for Health: A Culinary Medicine Approach for Clinical Practice \(Recorded Webinar\)](#) (Today's Dietitian, 2025)
- [Blue Foods as Medicine Curriculum Four-Part Series](#) (Food + Planet)
- [How to Talk About Sea Vegetables in Foodservice](#) (Food + Planet)
- [How to Talk About Sea Vegetables in Consumer-Packaged Goods](#) (Food + Planet)
- [The World of Aquatic Foods: A Treasure Trove of Nutrition Worth Exploring](#) (Palmer, 2023)

# Glossary

---

**Biodiversity.** The variability among living organisms from all sources, including terrestrial and aquatic ecosystems and the ecological complexes of which they are a part. ([Millennium Ecosystem Assessment, 2005](#))

**Aquatic/blue foods.** Food derived from aquatic animals, plants, or algae that are caught (wild) or cultivated (farmed) in freshwater and marine environments. ([Tigchelaar et al, 2022](#))

**Aquatic food system.** The complex web of all the elements and activities that relate to foods from water along with parts of the broader economic, social, and natural environments in which they are embedded.

- **Filter feeders.** A subgroup of suspension feeding animals that feed by straining suspended matter and food particles from water, typically by passing the water over a specialized filtering structure such as clams, krill, sponges, baleen whales, and many fish. ([FAO](#))
- **Finfish.** Cold-blooded aquatic vertebrates that have gills, fins with rays, and scales covering the body.
- **Seaweeds/sea vegetables.** Macroscopic marine autotrophic algae (macroalgae) used for human consumption or as raw materials for various industrial and commercial products.
- **Shellfish.** Cold-blooded aquatic invertebrates that have gills, various types of locomotory organs, and a shell/exoskeleton covering the body. Crustaceans and mollusks are included in this category.

**Bycatch.** The part of the catch which is not the primary target of the fishing effort, which includes both fish retained and marketed (incidental catch) and fish that is discarded or released. ([FAO](#))

**Fisheries.** The sum of activities leading to harvesting fish via wild capture or aquaculture. ([World Fish](#))

**Aquaculture.** The farming of aquatic animals and aquatic plants (mostly algae) using or within freshwater, sea water, brackish water, or inland saline water. ([World Fish](#))

**Wild capture.** The catching of aquatic animals (mostly finfish) from a water vessel or from the shoreline. ([FAO 2025](#))

**Illegal, unreported, and unregulated (IUU) fishing.** Activities in violation of national and/or international regulations that threaten ocean ecosystems, sustainable fisheries, economic security, and critical natural resources. ([NOAA Fisheries](#))

- **Illegal fishing activities.** Are conducted in contravention of applicable laws and regulations.
- **Unreported fishing activities.** Are unreported or misreported in contravention of national laws and regulations or reporting procedures of relevant authorities or regional management organizations.
- **Unregulated fishing activities.** Are conducted in locations without applicable management measures and/or in a manner that is inconsistent with international marine conservation laws.

**Seafood.** Species of marine finfish and shellfish (crustaceans and mollusks) consumed by humans that colloquially includes inland and freshwater fish. ([Vidaček & Jančí, 2016](#))

## References

---

- Aakre, I., Bøkevoll, A., Chaira, J., Bouthir, F. Z., Frantzen, S., Kausland, A., & Kjellevoll, M. (2020). Variation in nutrient composition of seafood from North West Africa: implications for food and nutrition security. *Foods*, 9(10), Article 10.  
<https://doi.org/10.3390/foods9101516>
- Abdelhamid, A., Brown, T., Brainard, J., Biswas, P., Thorpe, G., Moore, H., Deane, K., Summerbell, C., Worthington, H., Song, F., & Hooper, L. (2020). Omega-3 fatty acids for the primary and secondary prevention of cardiovascular disease. *Cochrane Library, Review-Intervention*.  
<https://doi.org/10.1002/14651858.CD003177>
- CFSI Staff. (2022). *Global seafood trade value rebounds to USD 164 billion*. California Fisheries and Seafood Institute. <https://calseafood.net/2022/05/23/global-seafood-trade-value-rebounds-to-usd-164-billion/>
- Cherry, P., O'Hara, C., Magee, P., McSorley, E., & Allsopp, P. (2019). Risks and benefits of consuming edible seaweeds. *Nutrition Reviews*, 77(5), 307–329.  
<https://doi.org/10.1093/nutrit/nyy066>
- Food and Agriculture Organization of the United Nations. (2022). *The pros and cons of cell-cultured seafood*.  
<https://openknowledge.fao.org/server/api/core/bitstreams/a6a1fedf-f368-479c-b143-58cbcd095e7/content>
- Food and Agriculture Organization of the United Nations. (2022). *The state of world fisheries and aquaculture 2022: Towards blue transformation*.  
<https://openknowledge.fao.org/items/11a4abd8-4e09-4bef-9c12-900fb4605a02>
- Food and Agriculture Organization of the United Nations. (2024). *The state of world fisheries and aquaculture 2024: Blue transformation in action*.  
<https://doi.org/10.4060/cdo683en>
- Food + Planet. (n.d.). *Blue food as medicine curriculum four-part series*. Aquatic Foods. Retrieved November 24, 2025, from <https://eataquaticfoods.org/curriculum>
- Food + Planet. (n.d.). *Explore our toolkits!* Aquatic Foods. Retrieved November 24, 2025, from <https://eataquaticfoods.org/toolkits>
- Food + Planet. (2023). *Blue food as medicine cookbook: 20 healthy, delicious recipes featuring sea vegetables, clams, mussels, oysters, and scallops*. Aquatic Foods.  
<https://eataquaticfoods.org/cookbook>

- Fry, J., Love, D., MacDonald, G., West, P., Engstrom, P., Nachman, K., & Lawrence, R. (2016). Environmental health impacts of feeding crops to farmed fish. *Environment International*, 91, 201–214.  
<https://doi.org/10.1016/j.envint.2016.02.022>
- Golden, C., Koehn, Z., Shepon, A., Passarelli, S., Free, C., Viana, D., Matthey, H., Eurich, J., Gephart, J., Fluet-Chouinard, E., Nyboer, E., Lynch, A., Kjelleovold, M., Bromage, S., Charlebois, P., Barange, M., Vannuccini, S., Cao, L., Kleisner, K., ... Thilsted, S. (2021). Aquatic foods to nourish nations. *Nature*, 598, 315–320.  
<https://doi.org/10.1038/s41586-021-03917-1>
- International Union for Conservation of Nature. (2017). The ocean and climate change. *Issue Briefs*. [https://iucn.org/sites/default/files/2022-07/the\\_ocean\\_and\\_climate\\_change\\_issues\\_brief-v2.pdf](https://iucn.org/sites/default/files/2022-07/the_ocean_and_climate_change_issues_brief-v2.pdf)
- Kroetza, K., Luquec, G., Gephartd, J., Jardinee, S., Leeb, P., Chicojay Moore, K., Cole, C., Steinkruger, A., & Donlan, J. (2020). Consequences of seafood mislabeling for marine populations and fisheries management. *PNAS*, 117(48), 30318–30323.  
<https://doi.org/10.1073/pnas.2003741117>
- Love, D., Brown, M., Viglia, S., Asche, F., Fry, J., Garlock, T., Jenkins, L., Nguyen, L., Anderson, J., Nussbaumer, E., & Neff, R. (2025). Environmental impacts and food loss and waste in the U.S. aquatic food system. *Global Environmental Change*, 90.  
<https://www.sciencedirect.com/science/article/pii/S0959378025000019>
- Maire, E., Graham, N., MacNeil, M. A., Lam, V., Robinson, J., Cheung, W., & Hicks, C. (2021). Micronutrient supply from global marine fisheries under climate change and overfishing. *Current Biology*, 31(18), 4132–4138.e3.  
<https://doi.org/10.1016/j.cub.2021.06.067>
- Mendoza, M., McDowell, R., Htusan, E., & Mason, M. (2015). AP investigation: Are slaves catching the fish you buy? *The Associated Press*.  
<https://apnews.com/general-news-b9e0fc7155014ba78e07f1a022d90389>
- Mohan, D., Mente, A., Dehghan, M., Rangarajan, S., O'Donnell, M., Hu, W., Dagenais, G., Wielgosz, A., Lear, S., Wei, L., Diaz, R., Avezum, A., Lopez-Jaramillo, P., Lanas, F., Swaminathan, S., Kaur, M., Vijayakumar, K., Mohan, V., Gupta, R., ... PURE, O., TRANSCEND, and ORIGIN investigators. (2021). Associations of fish consumption with risk of cardiovascular disease and mortality among individuals with or without vascular disease from 58 countries. *JAMA Internal Medicine*, 181(5), 631–649. <https://doi.org/10.1001/jamainternmed.2021.0036>
- Mozaffarian, D., & Rimm, E. (2006). Fish intake, contaminants, and human health: Evaluating the risks and the benefits. *JAMA*, 296(15), 1885–1899.  
<https://doi.org/10.1001/jama.296.15.1885>

- Muziasari, W. (2016). *Impact of fish farming on antibiotic resistome and mobile elements in Baltic Sea sediment* [Academic Dissertation]. University of Helsinki Division of Microbiology and Biotechnology.  
<https://helda.helsinki.fi/server/api/core/bitstreams/616b50f8-718a-437d-85c4-c0d27439e98e/content>
- NOAA Fisheries. (2012). *Fish stock assessment 101 series: Part 1—data required for assessing U.S. fish stocks (national)*. <https://www.fisheries.noaa.gov/feature-story/fish-stock-assessment-101-series-part-1-data-required-assessing-us-fish-stocks>
- NOAA Fisheries. (2022). *Fishing gear and risks to protected species*.  
<https://www.fisheries.noaa.gov/national/bycatch/fishing-gear-and-risks-protected-species>
- Orayeva, J. (2020). World Oceans Day 2020: New IAEA research records dramatic increase in microplastic pollution in Eastern Tropical Pacific Ocean. International Atomic Energy Agency.  
<https://www.iaea.org/newscenter/news/world-oceans-day-2020-new-iaea-research-records-dramatic-increase-in-microplastic-pollution-in-eastern-tropical-pacific-ocean>
- Our World in Data. (2025). *Aquaculture production*.  
<https://ourworldindata.org/grapher/aquaculture-farmed-fish-production?tab=map>
- Our World in Data. (2025). *Yearly per capita supply of fish and seafood*.  
<https://ourworldindata.org/grapher/fish-and-seafood-consumption-per-capita>
- Our World in Data. (2025). *Fish and seafood consumption per capita*.  
<https://ourworldindata.org/grapher/fish-and-seafood-consumption-per-capita>
- Ritchie, H., & Roser, M. (2021). *Fish and overfishing*. Our World in Data.  
<https://ourworldindata.org/fish-and-overfishing#environmental-footprint-of-fishing>
- Seafood Nutrition Partnership. (2023). Which fish is the richest in omega-3s? (per 4 ounce cooked portion) [Graphic]. <https://www.seafoodnutrition.org/wp-content/uploads/2023/06/New-Omega-3-Seafood-Chart.pdf>
- Spillias, S., Kelly, R., Cottrell, R., O'Brien, K., Im, R.-Y., Kim, J. Y., Lei, C., Leung, R., Matsuba, M., Reis, J. A., Sato, Y., Sempert, K., & McDonald-Madden, E. (2023). The empirical evidence for the social-ecological impacts of seaweed farming. *PLOS Sustainability and Transformation*, 2(2).  
<https://doi.org/10.1371/journal.pstr.0000042>



- US EPA. (2025). EPA-FDA advice about eating fish and shellfish: for females who might become pregnant, are pregnant, are breastfeeding, and for children. <https://www.epa.gov/choose-fish-and-shellfish-wisely/epa-fda-advice-about-eating-fish-and-shellfish>
- USDA & HHS. (2020). *Dietary guidelines for Americans, 2020–2025* (9th Edition). United States Department of Agriculture & United States Department of Health and Human Services. [https://www.dietaryguidelines.gov/sites/default/files/2021-03/Dietary\\_Guidelines\\_for\\_Americans-2020-2025.pdf](https://www.dietaryguidelines.gov/sites/default/files/2021-03/Dietary_Guidelines_for_Americans-2020-2025.pdf)
- USDA National Agriculture Statistics Service. (2024). 2023 *Census of aquaculture*. [https://www.nass.usda.gov/Publications/AgCensus/2022/Online\\_Resources/Aquaculture/index.php](https://www.nass.usda.gov/Publications/AgCensus/2022/Online_Resources/Aquaculture/index.php)
- USDA National Agriculture Statistics Service. (2024). *USDA releases the 2023 census of aquaculture results*. <https://www.nass.usda.gov/Newsroom/2024/12-16-2024.php>
- Zeller, D., Cashion, T., Palomares, M., & Pauly, D. (2017). Global marine fisheries discards: A synthesis of reconstructed data. *Fish and Fisheries*, 9(2), 30–39. <https://doi.org/10.1111/faf.12233>
- Zhao, L., Sun, J., Yang, Y., Ma, X., Wang, Y., & Xiang, Y. (2016). Fish consumption and all-cause mortality: A meta-analysis of cohort studies. *European Journal of Clinical Nutrition*, 70(2), 155–161. <https://doi.org/10.1038/ejcn.2015.72>

## Appendix A: Seafood Watch and Super Greens

---

Food and Planet. (November 2024). *Seafood Watch Super Green List of Seafood Choices*.



## Seafood Watch Super Green List of Seafood Choices

Food + Planet collaborated with the Monterey Bay Aquarium's Seafood Watch program to highlight the Super Green List, an accessible guide for choosing ocean-friendly, nutrient-rich seafood options.

### INSIGHTS

- **Partnering with trusted organizations** can amplify the reach of RDNs.
- **Social media campaigns are a powerful tool** for RDNs to reach and educate a broader audience.
- **Integrating sustainability in their practice** allows RDNs to recommend food options that positively impact the health of both clients' and the planet.

### RDNS CALL TO ACTION

- Incorporate sustainable seafood into client recommendations using the Super Green List as a trusted resource.
- Pursue culinary and nutrition projects that bridge nutrition science and sustainability.

### CONTACT

#### CORBETT NASH

Outreach Program Manager  
Seafood Watch  
[cnash@mbayaq.org](mailto:cnash@mbayaq.org)  
[seafoodwatch.org](http://seafoodwatch.org)

### CHALLENGE

Although seafood offers many health benefits, information about their specific nutritional profiles and environmental impacts has been limited. This project marks the first time Seafood Watch partnered with dietitians to connect sustainability to practical nutrition guidance, making it easier for consumers and health professionals alike to make informed choices.

### SOLUTIONS

The Super Green List was created to fill a critical gap in accessible, science-backed information on nutritious and sustainable seafood. The collaboration produced a library of easy-to-follow recipes and videos, detailed nutrition information, and key sustainability facts, giving consumers practical tools to enjoy nutrient-rich, ocean-friendly seafood confidently.

### KEY OUTCOMES

#### Increased public awareness of aquatic foods

The project had more than 40,839 impressions and over 23,071 video views on social media as of November 2024.

#### High engagement among health professionals

Food + Planet has seen increased engagement on social media from health professionals throughout this project.

#### Sustainable seafood protects ecosystems

Regenerative aquaculture maintains healthy ecosystems and supports the wildlife and communities reliant on these resources.

#### Empowered consumers shape seafood sustainability

Consumers can use the Super Green List to inform their purchasing decisions and drive demand for environmentally responsible practices, contributing to the protection of ocean ecosystems.

## Appendix B: Comparing Different Forms of Seafood

---

Seafood is available for purchase in several different forms that influence price, quality and convenience. Here we summarize some of the considerations when preparing fresh, frozen, canned and dried fish.

Generally, fresh and frozen fish will have the best flavor, but transportation, storage and preparation require additional food safety measures. Frozen seafood can vary in its quality depending on when it was frozen and the reliability of the supply chain. Seafood that has been canned or dried has gone through additional processing to extend its shelf life, which may impact the nutrition profile of the food and its taste. Additionally, canned or dried seafood does not require refrigeration and can be more affordable.

	Benefits	Drawbacks
<b>Fresh</b>	<ul style="list-style-type: none"><li>• Taste and quality (if truly fresh)</li><li>• Quick cooking</li></ul>	<ul style="list-style-type: none"><li>• Need to cook within a few days</li></ul>
<b>Frozen</b>	<ul style="list-style-type: none"><li>• Easy to store (if have freezer)</li><li>• Can purchase when on sale</li><li>• May be fresher if flash frozen on boat</li></ul>	<ul style="list-style-type: none"><li>• Some types need pre-thawing</li><li>• Needs continuous freezing</li></ul>
<b>Canned</b>	<ul style="list-style-type: none"><li>• Long shelf life</li><li>• Ready to use</li><li>• Doesn't require refrigeration</li><li>• Affordable</li></ul>	<ul style="list-style-type: none"><li>• Added ingredients, sodium</li><li>• Bisphenol A (BPA) in cans</li></ul>
<b>Dried</b>	<ul style="list-style-type: none"><li>• Easy to transport</li><li>• Long shelf life</li><li>• Affordable</li></ul>	<ul style="list-style-type: none"><li>• Loss of nutritional value</li></ul>