



# MANNA OCEAN FOUNDATION

- **Our Mission: To support sustainable development of aquaculture through education and research.**



## Why are Organics Important?

Currently in the United States, there is no program or standards established to certify farmed seafood as Organic.

Canadian Organic Standards were established in 2012, revised in 2018 and include standards to certify farmed finfish and shellfish.

“Organic aquaculture is a holistic system designed to optimize the productivity and fitness of the aquatic ecosystem, including benthic organisms on the ocean floor, seaweeds, aquatic plants, and aquaculture animals and people.” – Tim Rundle April 2016 Growing Organic.

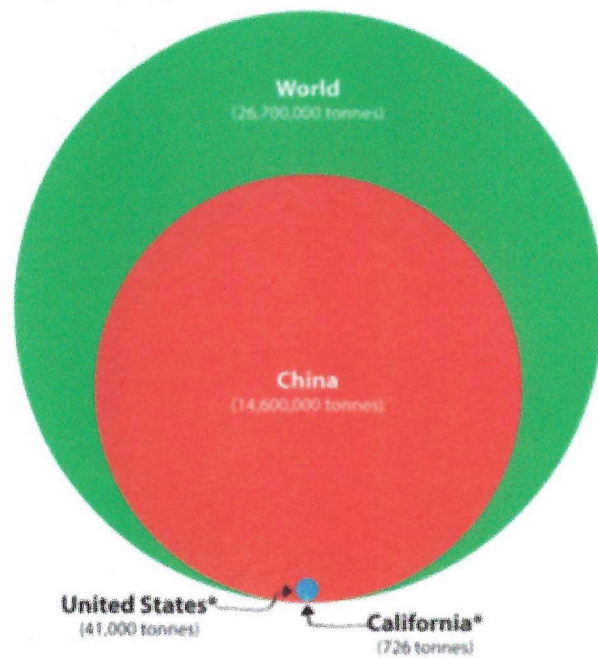
- Universal Understanding & Acceptance
- Promote U.S. Seafood & Responsible Farming



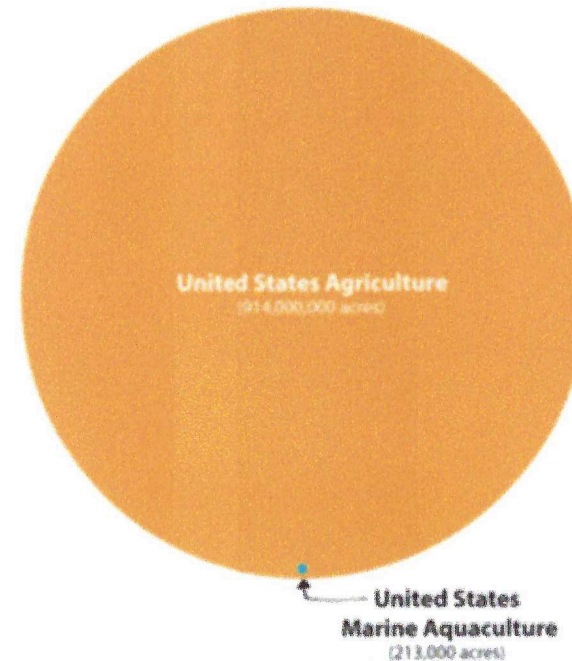
# Seafood Consumption Stats

## Current US Aquaculture

Marine Aquaculture Production 2014<sup>1</sup>



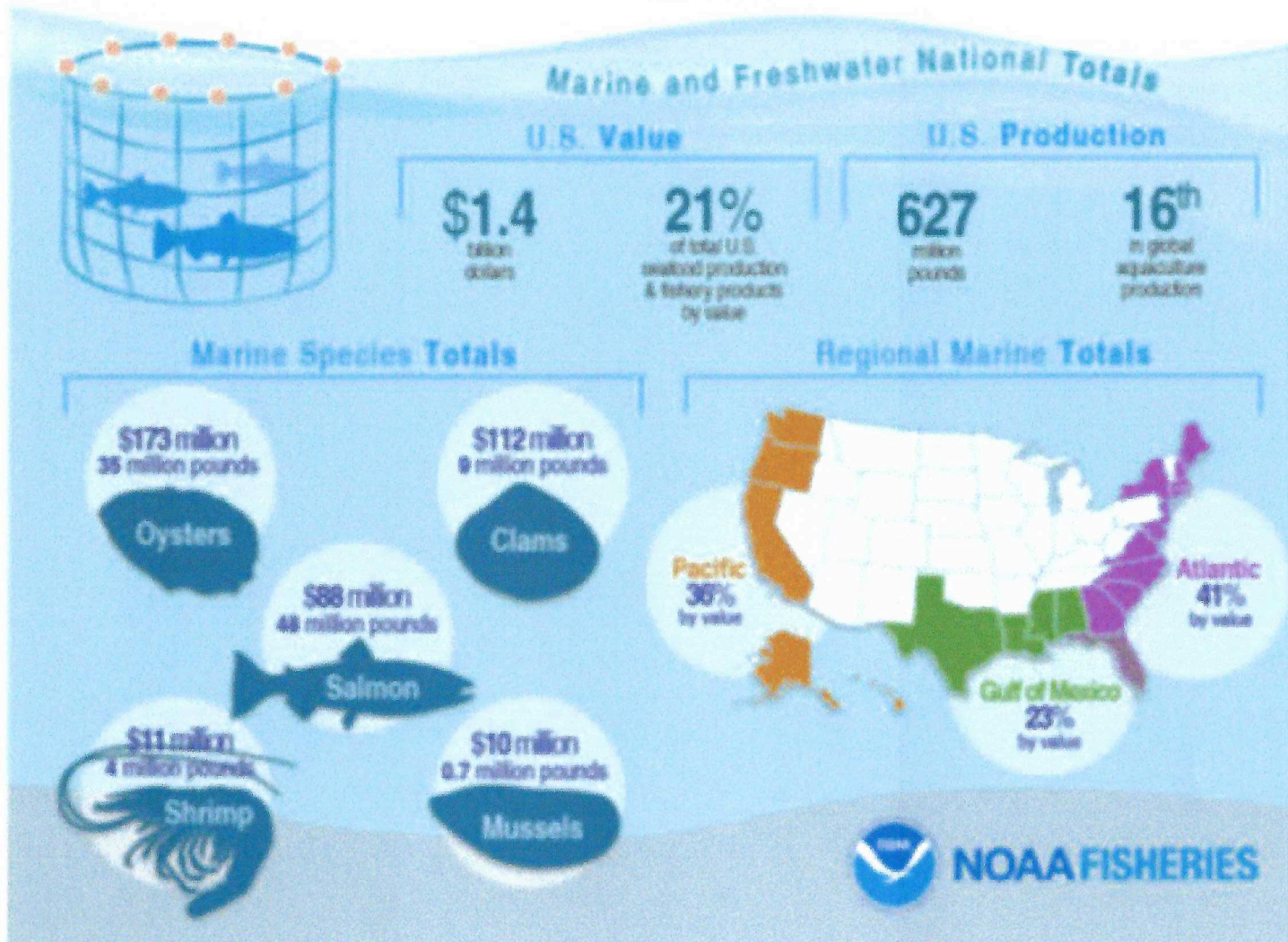
Acreage Used for Agriculture and Marine Aquaculture 2013<sup>2</sup>



\* Clams, oysters, and mussels are reported as meat weights (excludes shell), while all other species such as finfishes are reported as whole (live) weights.

Source: <sup>1</sup> National Marine Fisheries Service (2016) Fisheries of the United States, 2015. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2015, FAO (2014) The State of World Fisheries and Aquaculture 2014, Contributing to food security and nutrition for all. Rome, 200 pp. (FAO (2015) 2014 Marine Biotope Production: 5 pp. <sup>2</sup> USDA (2014) 2012 Census of Agriculture, Subcounty and State Data Volume 1: Geographic Area Series Part 11. USDA (2014) Census of Agriculture 2013, Volume 1, Types of Studies, Part 2.

# 2015 Aquaculture Production Highlights



# Organics in the Future

➤ United Nations Sustainable Development Goals

➤ Climate Change



# Canadian Organic Standards



- Stocking Density
- Use of antibiotics
- Feed





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## F O U N D A T I O N

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