

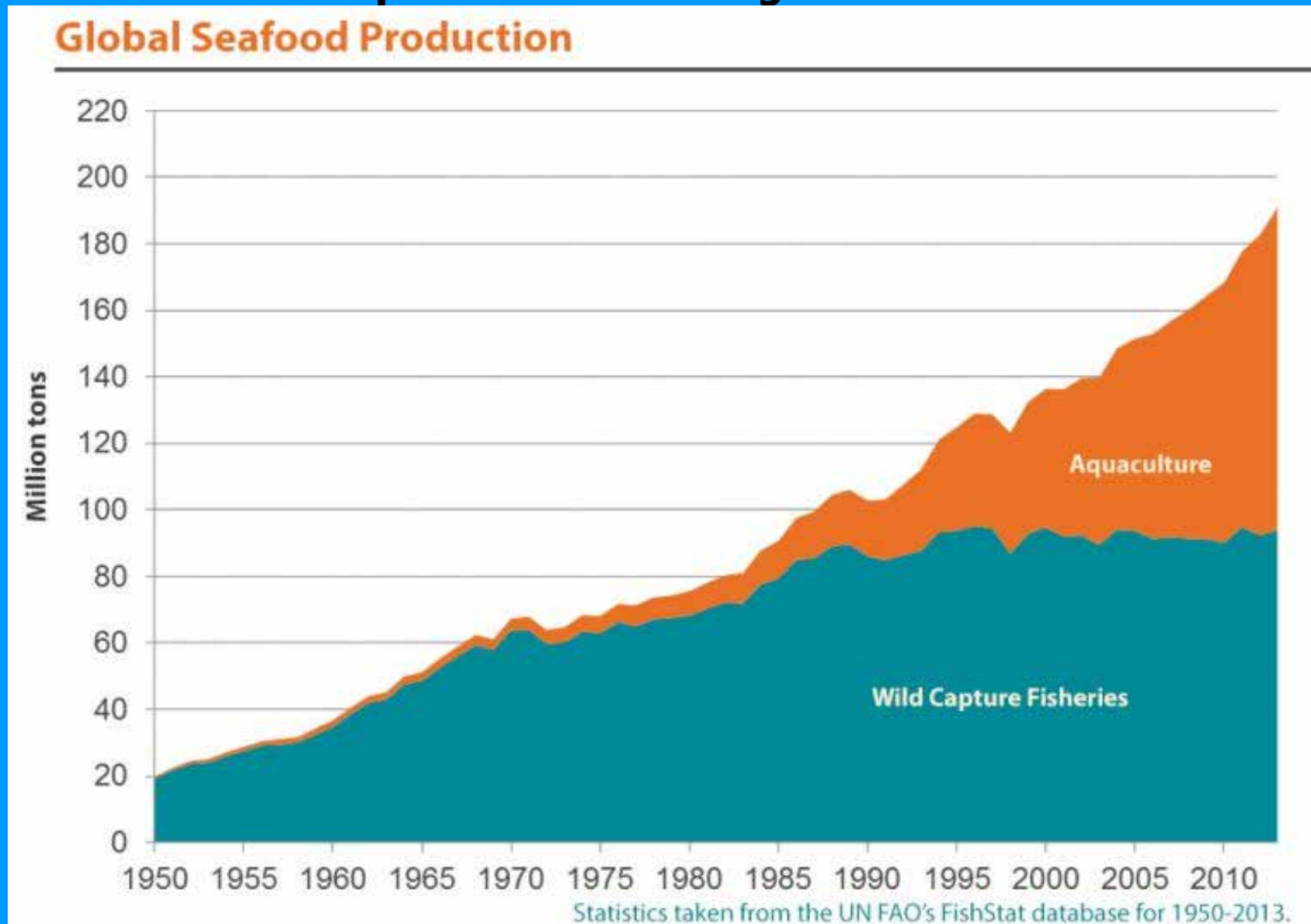
ATLANTIC AND GULF SEAFOOD TECHNOLOGY CONFERENCE

Donna Lanzetta:

CEO and Founder of Manna Fish Farms, Inc.

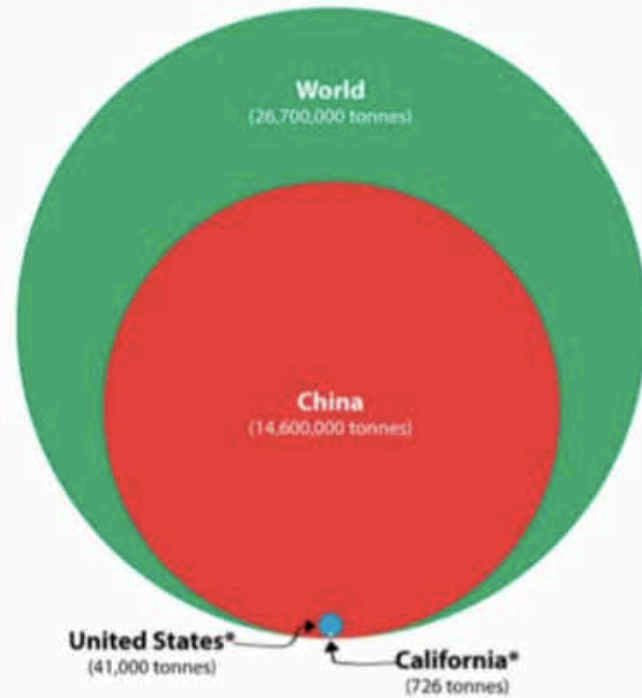


The United Nations advises: we must Double Aquaculture by 2030!

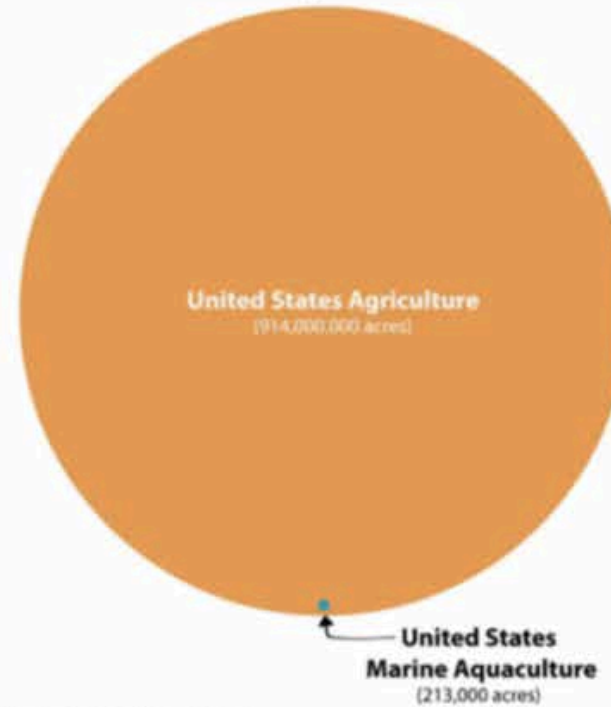


Current US Aquaculture

Marine Aquaculture Production 2014¹



Acreage Used for Agriculture and Marine Aquaculture 2013²



* 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: ¹National Marine Fisheries Service (2016) *Fisheries of the United States, 2015*. U.S. Department of Commerce, NOAA Current Fishery Statistics No. 2015; FAO (2016) *The State of World Fisheries and Aquaculture 2016. Contributing to food security and nutrition for all*. Rome, 200 pp.; CDFW (2015) *2014 Marine Bivalve Production*, 5 pp. ²USDA (2014) *2012 Census of Agriculture, Summary and State Data Volume 1, Geographic Area Series, Part 51*; USDA (2014) *Census of Aquaculture 2013, Volume 3, Special Studies, Part 2*.

FEED CONVERSION RATIO

Estimated feed required to gain one pound of body mass.⁵

FARM-RAISED FISH



1.1
POUNDS

BROILER CHICKENS



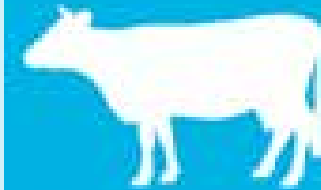
1.7
POUNDS

HOGS



2.9
POUNDS

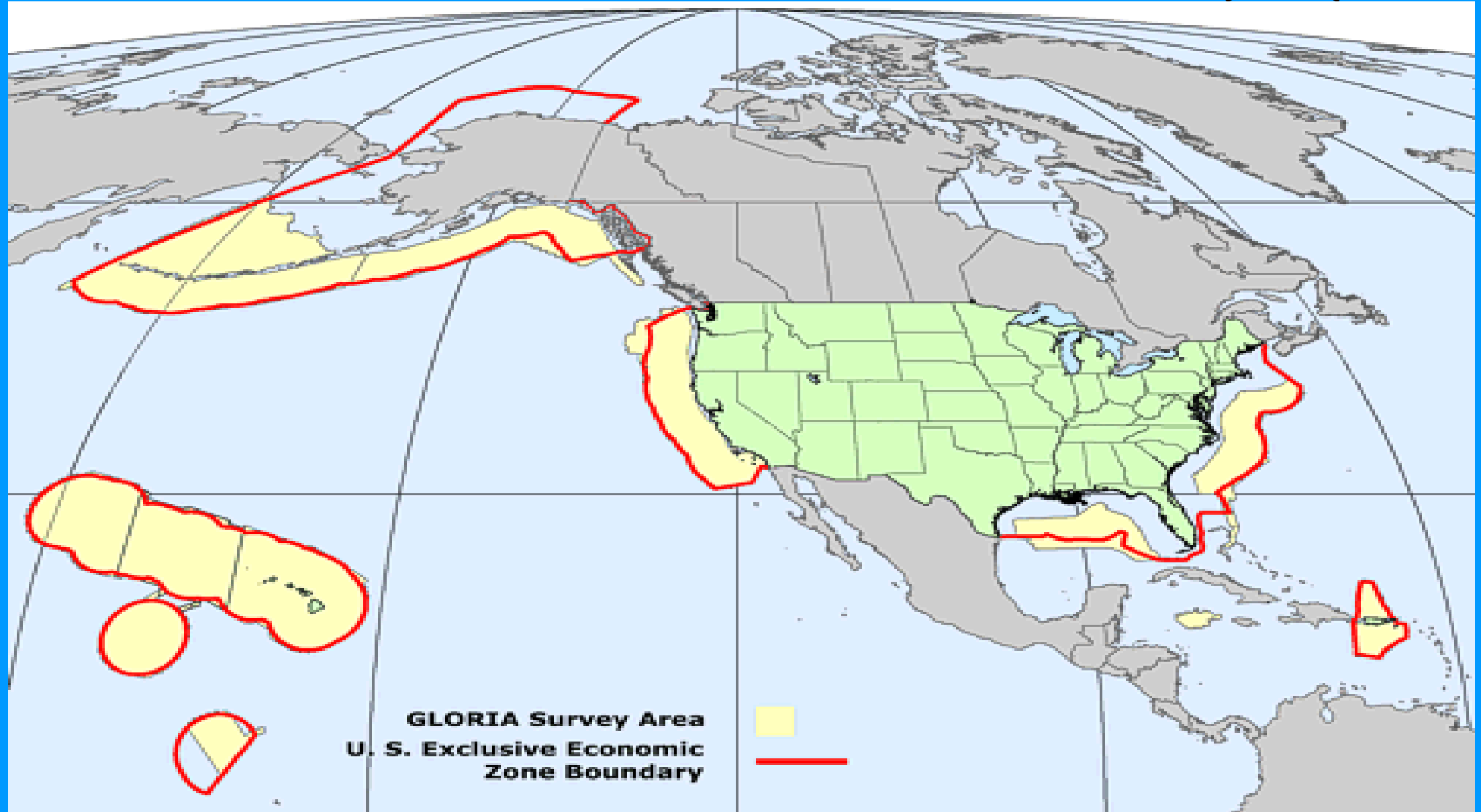
CATTLE



6.8
POUNDS

As per aquacultureassociation.org

United State Exclusive Economic Zone (EEZ)



Submersible Cage Technology



Automated Feed System – Before and After



Getting ready to go off shore



Scallop farming methods



New technology available to support the sustainable production of seafood



115TH CONGRESS
2D SESSION

S. 3138

To establish a regulatory system for marine aquaculture in the United States exclusive economic zone, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JUNE 26, 2018

Mr. WICKER (for himself and Mr. RUBIO) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

A BILL

To establish a regulatory system for marine aquaculture in the United States exclusive economic zone, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE; TABLE OF CONTENTS.**

4 (a) SHORT TITLE.—This Act may be cited as the
5 “Advancing the Quality and Understanding of American
6 Aquaculture Act” or the “AQUAA Act”.

Thank you for your attention!



Charting the course to operate the first open ocean finfish farm on the East Coast of the United States!