

Hawai'i Aquaculture Tech & Research Brown Bag
Fishpond Restoration through Production

January 10, 2024
Noon – 12:45 p.m.
Via Zoom

Welcome! We will be starting at noon.



University of Hawai'i Sea Grant College Program



hiaquacollab.org

Hawai'i Aquaculture Collaborative Actions

Home

Actions

Jobs

Partners



Aqua+Culture video: Taste Our Love for Hawai'i

Through the eyes of world renown chefs, this video showcases Hawai'i aquaculture from our unique history of food sustainability through loko i'a to modern day innovations like Blue Ocean Mariculture and Big Island Abalone (Length = 28:31). A collaboration with the Hawai'i Ag Foundation.

Aquaculture Training Programs in Hawai'i

HDOA Aquaculture Development Program Strategic Plan 2023-2033

Pacific Islands Offshore Aquaculture Permitting Guide

Working Group Meeting Summaries, Materials, & Other Resources

Tech & Research brown bag: SRIP Opportunities for Hawai'i Aquaculture Companies – Dec 14, 2023 Slides & Recording

Tech & Research brown bag: Campbell Feed Facility Update – Nov 8, 2023 Slides & Recording

Tech & Research brown bag: Enhancing Hawaii's Food Security Through Aquaculture – Oct 11, 2023 Slides & Recording

Article: Hawaii's Aquaculture Industry Is Set To Boom But It Needs State Help – Oct 4, 2023

THRIVE Agrifood Summit Panel: Strategic Planning Discussion for Hawai'i Aquaculture – Sept 27, 2023 Slides; recording will be posted when available

January/February 2024 – Important Dates & Activities

Attend

- Jan 18, 8:30-11:00 a.m. **Senate Aquaculture Briefing @** the State Capitol Room 229 or streamed live on the Senate YouTube Channel

Funding Opportunities

- Letter of Intent due Jan 17 - Sea Grant National Aquaculture Initiative - seagrant.noaa.gov/funding
- Deadline Jan 19 – Hawai‘i Grant-in-Aid
- Feb 19 - HDOA Resilient Food Systems Infrastructure Program

Respond

- USDA 2023 Census of Aquaculture by Jan 15
- Hawai‘i Aquaculture Producer Survey

Next Month – USDA Loans/Funding available for aquaculture – Feb 14 @ noon



Fishpond Restoration through Production

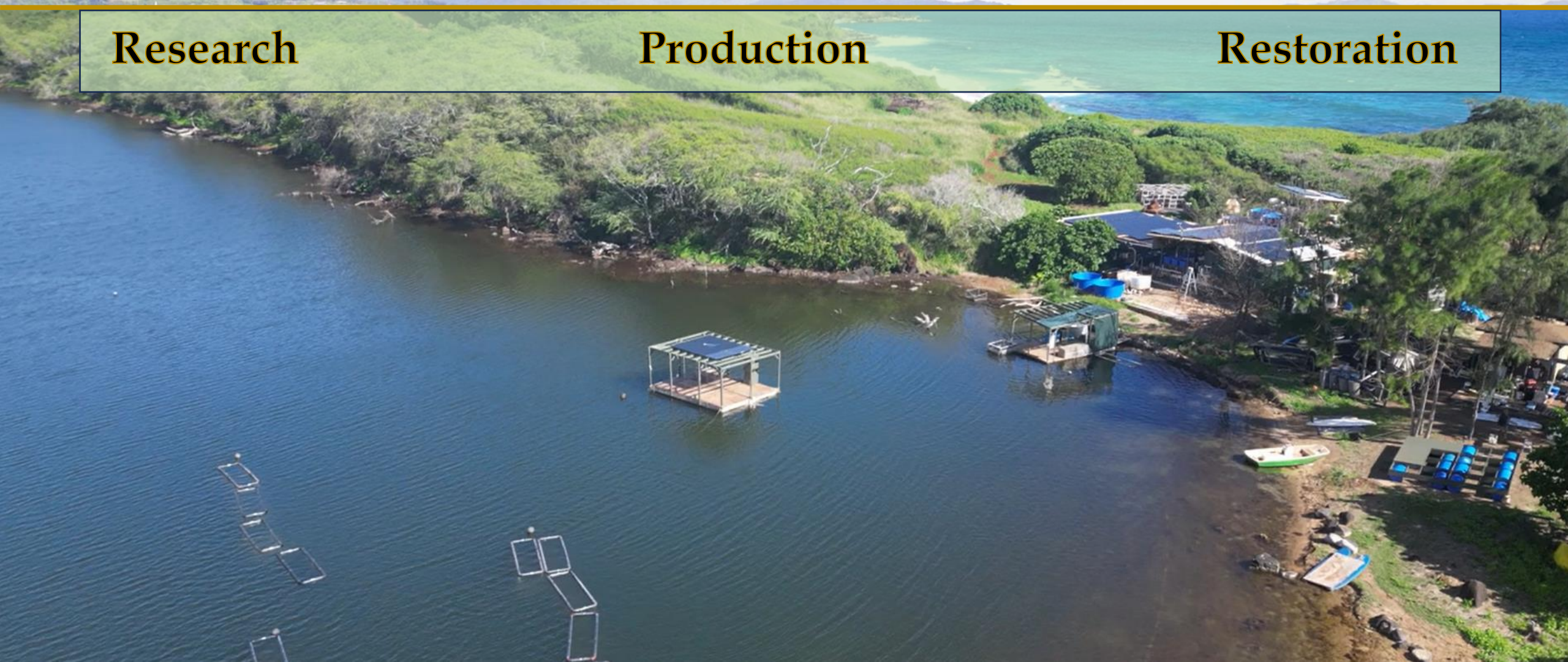
Dave Anderson
Science Officer & Production Manager
Kaua'i Sea Farm



Research

Production

Restoration



KAUA'I SEA FARM

Past to Present

Pre-1800's

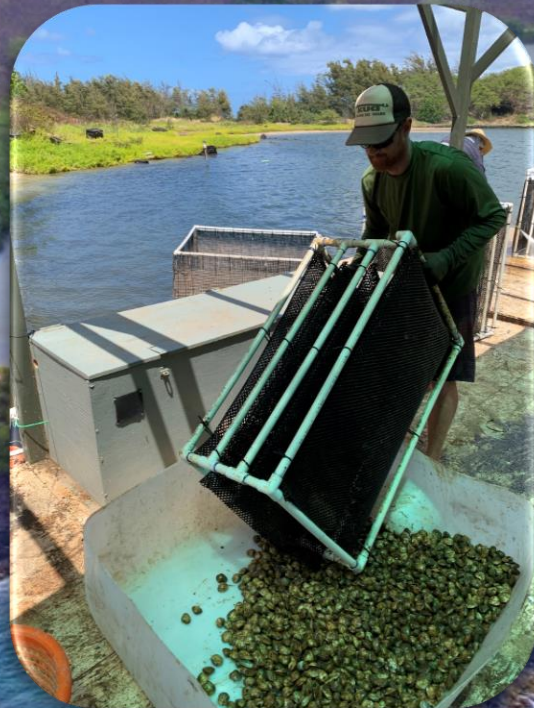
Late 1800's -
Early 1900's

Today



KAUA'I SEA FARM

Production

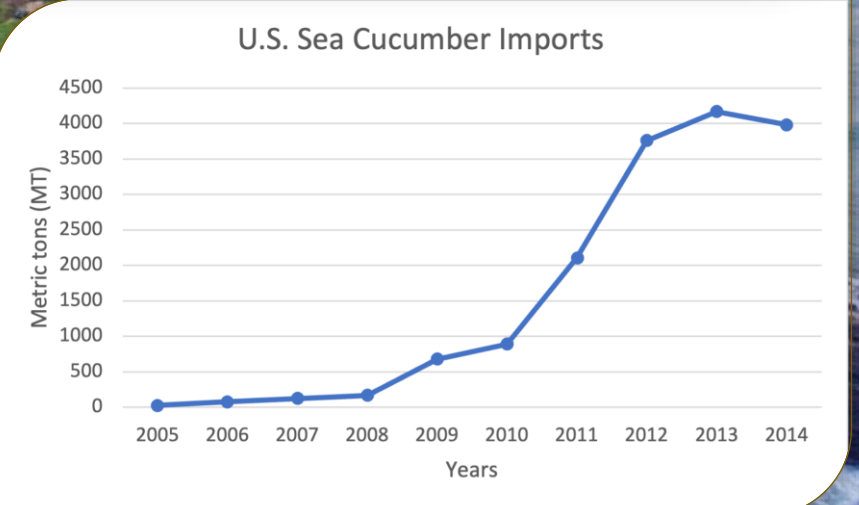
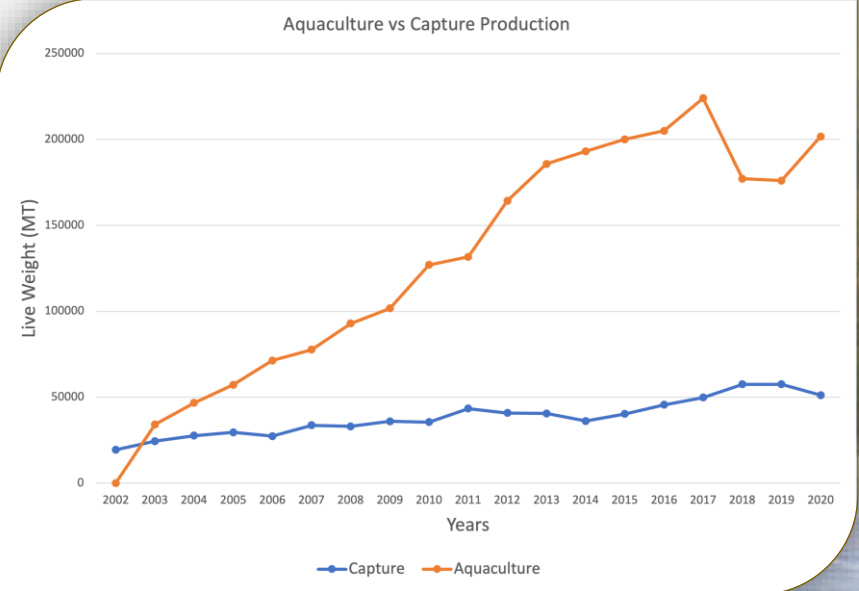




KAUA'I SEA FARM

Current Research

Sea Cucumber Aquaculture

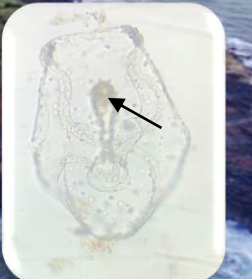
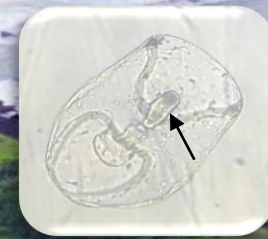
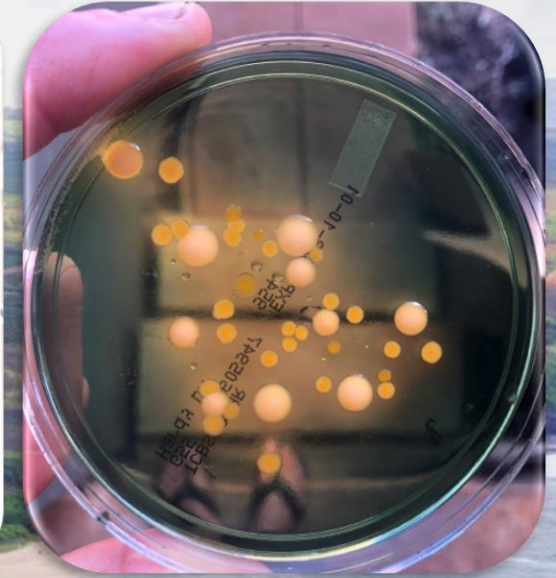
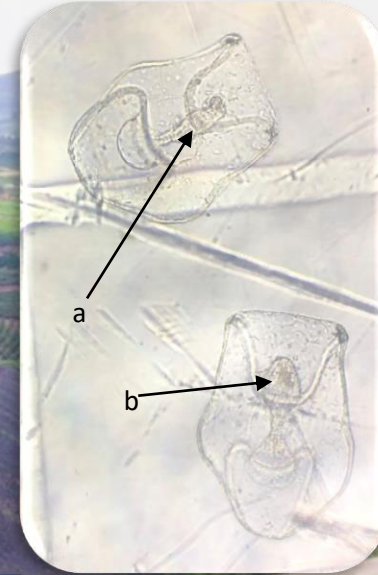


KAUA'I SEA FARM

Challenges

Seasonal Maturation

Vibrio-related gut
wasting disease



KAUA'I SEA FARM

Upcoming Projects

Native Oysters



'Opae



Moi





120 ppm
Alkalinity



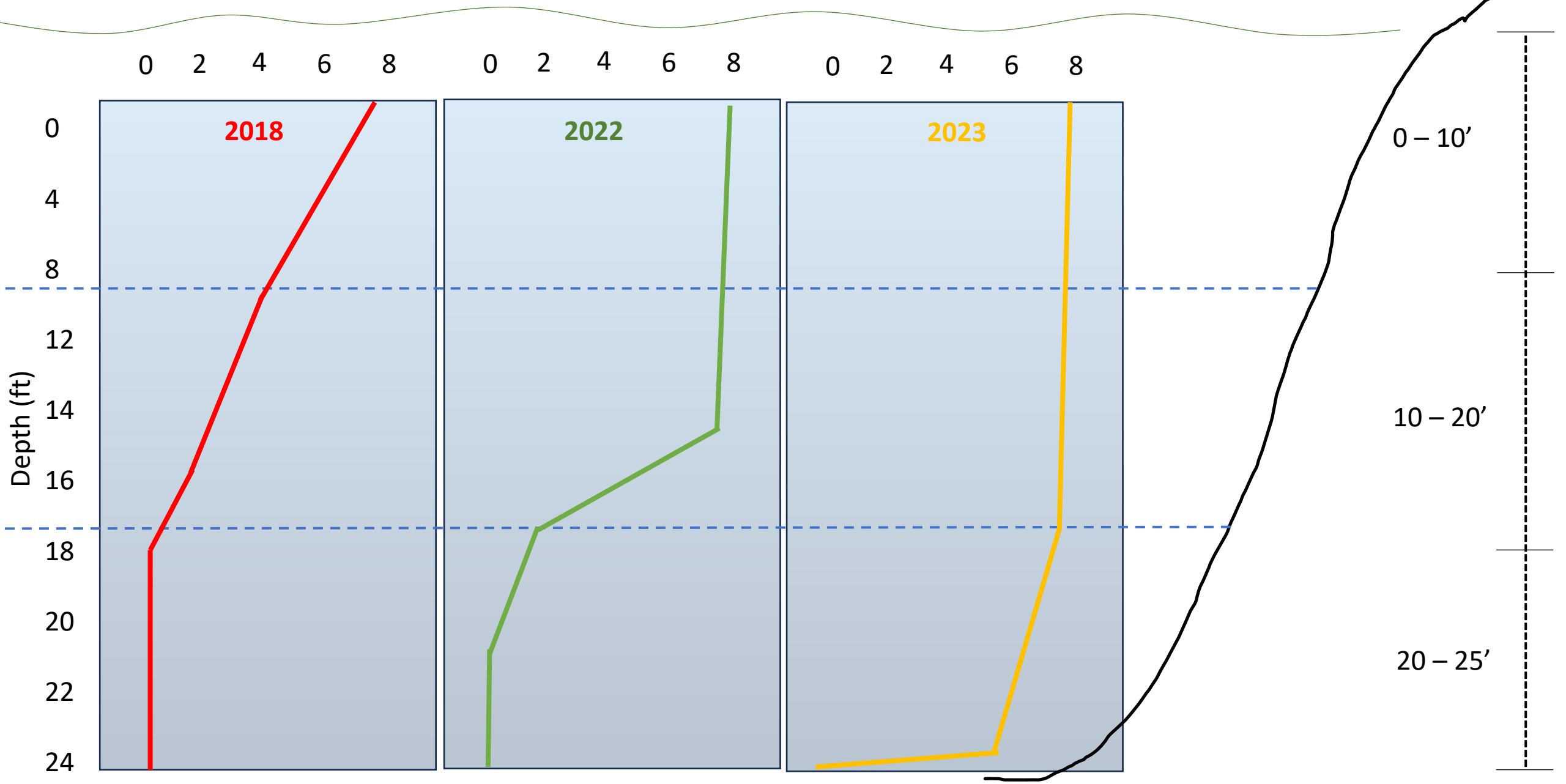
> 1000 ppm
Alkalinity

0 – 10'

10 – 20'

20 – 25'

Dissolved Oxygen (mg/L)



KAUA'I SEA FARM

2019



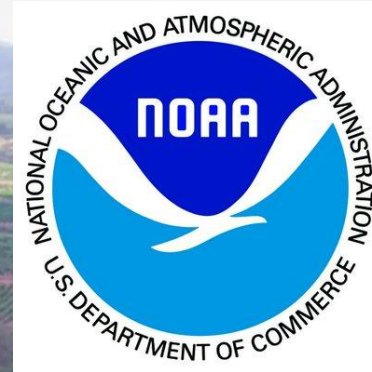
2023



KAUA'I SEA FARM

Last thoughts

Funding Opportunities
Incentivize Production
Low Trophic Species



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