

ALASKA MARiculture CLUSTER

Dan Lesh

SEC Deputy Director

Dan@seconference.org

Seagriculture USA, Ketchikan, Alaska

September 11, 2024



**SOUTHEAST
CONFERENCE**

ABOUT SOUTHEAST CONFERENCE

- Southeast Conference was incorporated in 1958, primarily to advocate for the creation of the Alaska Marine Highway System.
- After that success, stayed together to continue to advocate for issues that are key to the southeast region as a whole.
- Looks for consensus for the betterment of the region.
- Members from nearly every community, chamber of commerce, and economic development organization in the region.
- Conduct economic planning through CEDS process and implement CEDS, providing technical assistance and project development support.
- Southeast Conference is the federally designated Regional Economic Development District and the State-designated Alaska Regional Development Organization.



2025 SOUTHEAST ALASKA ECONOMIC PLAN

Recipient of the 2021 NADO Impact Award

Southeast Alaska 2025 Economic Plan

Southeast Conference's Comprehensive
Economic Development Strategy
2021-2025



Southeast
Alaska

Southeast
Alaska

Southeast
Alaska

Southeast
Alaska



Tlingit & Haida





ALASKA MARiculture CLUSTER



\$49 Million
EDA Funds



Project Period
Oct 1, 2022 -
Sept 30, 2026

529 -> 60 -> 21

AWARDEES
Build Back Better Regional Challenge



AMERICAN
RESCUE PLAN



7 Components
with more than 25 projects



**13 Subaward
Recipients**

Component Projects + Sub Recipients



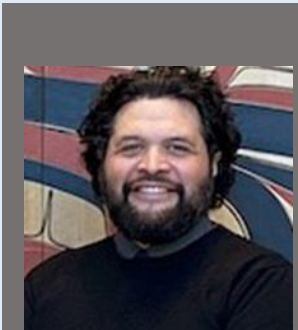
Component Projects



Tribal Mariculture Liaisons

SOUTHEAST ALASKA

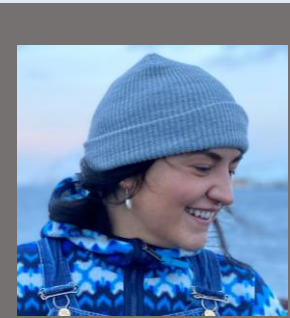
SPRUCE ROOT, INC.



Keolani Booth
kebooth@live.com

SOUTHWEST ALASKA

**QAWALANGIN TRIBE
OF UNALASKA**



**Shayla
Shaishnikoff**
shayla@qawalangin.com

KODIAK

**KODIAK
ARCHIPELAGO
LEADERSHIP
INSTITUTE**



Lexa Meyer
*lexameyer.kali
@gmail.com*

PRINCE WILLIAM SOUND

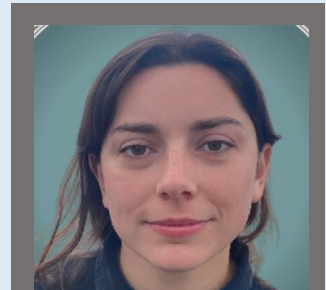
**CHUGACH REGIONAL
RESOURCES
COMMISSION**



Sean Den Adel
sean@alutiiqprideak.org

KENAI PENINSULA

**CHUGACH REGIONAL
RESOURCES
COMMISSION**



Briana Murphy
*Briana
@alutiiqprideak.org*

Joint Innovation Projects

R&D Component

29 projects funded, \$2.7 million awarded in 2023 and 2024

- Innovations in bull kelp cultivation: 5
- Shellfish enhancement: 3
- Innovations in mooring system tech: 2
- Boosting oyster growth: 4
- Kelp stabilization/processing/product dev.: 14



kelp blue



Saltwater Inc.

Equipment & Tech

\$15 million

SCOPE OF WORK:

- \$16 million EDA grant funds
 - \$9 million equipment purchases (SEC)
 - \$6 million subawards & contracts

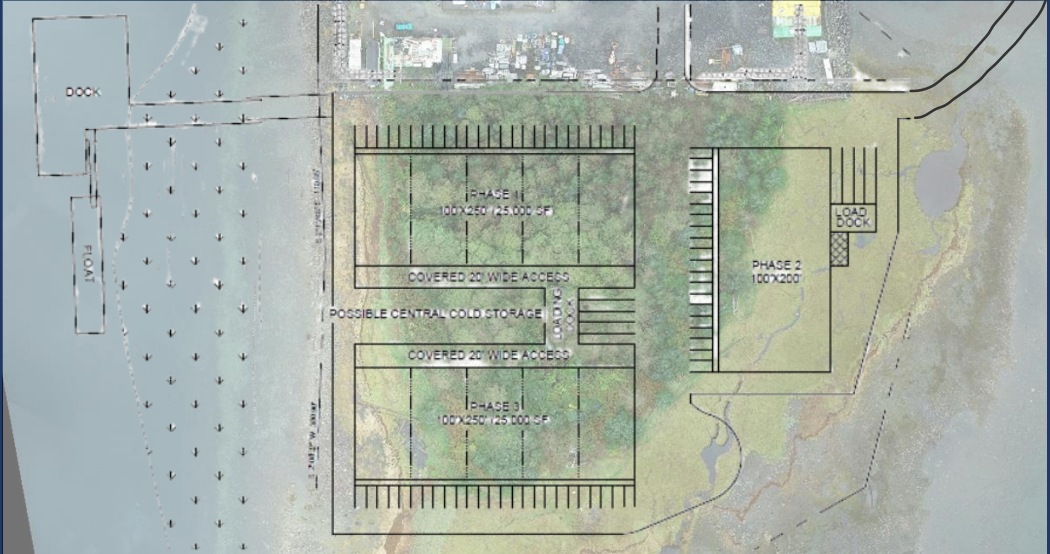
\$9 million Equipment Purchases:

- \$4 million – nursery/hatchery equipment
- \$3 million – processing equipment
- \$2 million – DEC toxin testing equipment

4 RFPs Initiated

- + Feasibility Study- \$1M *(funded)*
- + Equipment- \$5.75M *(requested in first round)*
- + Other Species- \$650K *(requested)*
- + Economic Services- *(published)*

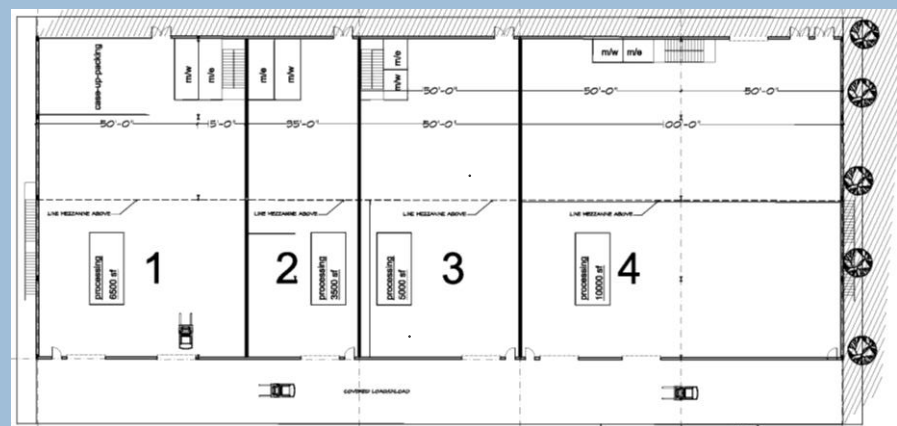




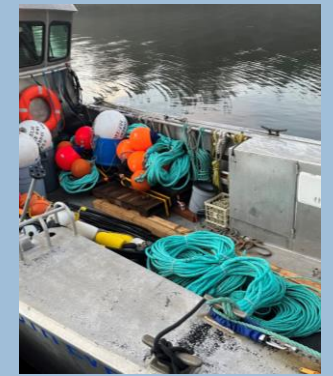
Aerial view of False Island with Phase 1, 2, & 3 overlay

POTENTIAL TENANTS

- SEAWEED PROCESSING/BIOREFINERY
- OYSTER SORTING AND PROCESSING
- MARICULTURE HATCHERIES
- TRIBAL BUSINESSES
- NICHE SEAFOOD PROCESSORS



Phase 1 Concept design



Farm Deployment



Warehouse



Kelp Nursery



Seafood Processing



Seaweed Product Development

Reduce Cost Structure

+

Grow Market Demand and Alignment

+

Equitable Distribution of Investments and Impacts

X

Private Investment

=

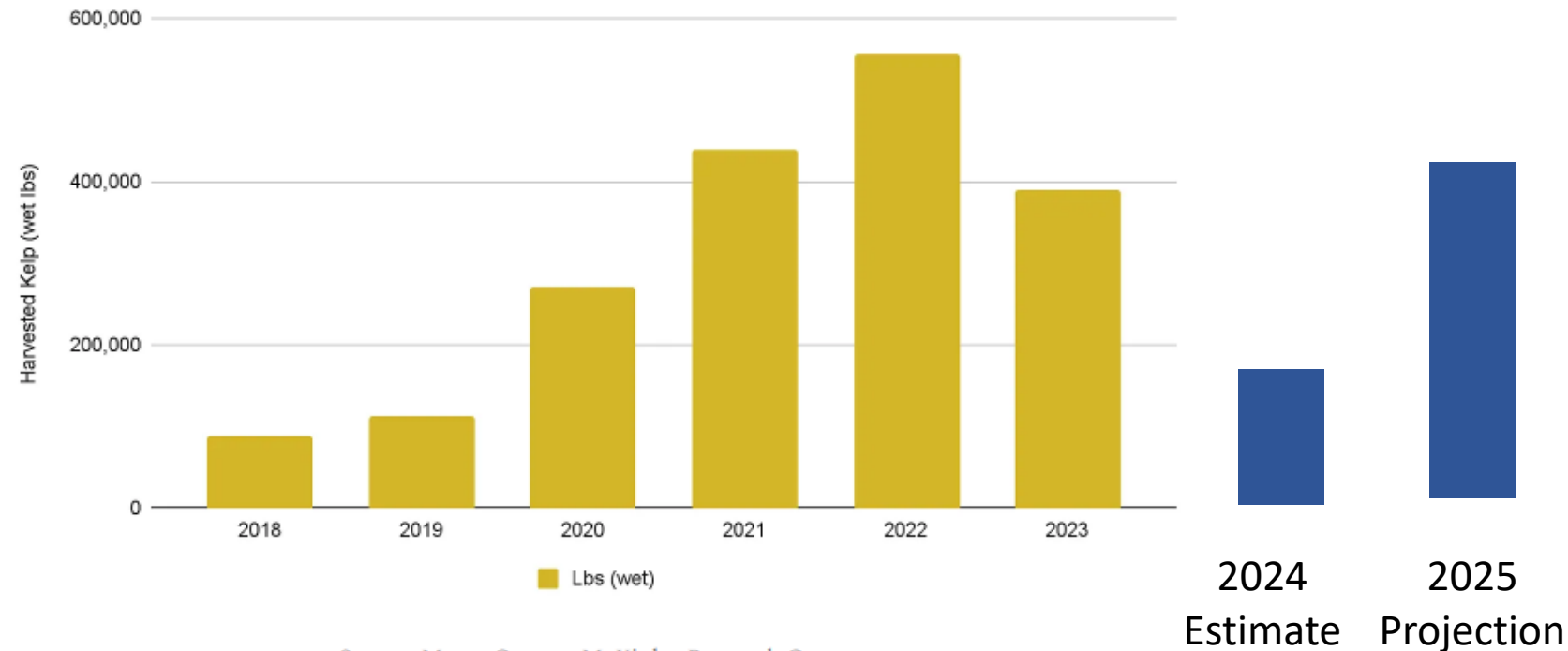
Viable mariculture industry for the long-term benefit of Alaska's economy, environment, underserved populations, and communities

Shortage of Pathways to Market

- Multi-year product development timelines
- Limited farming infrastructure but even more limited processing capacity
- Kelp Stabilization Methods and Economies of Scale Needed

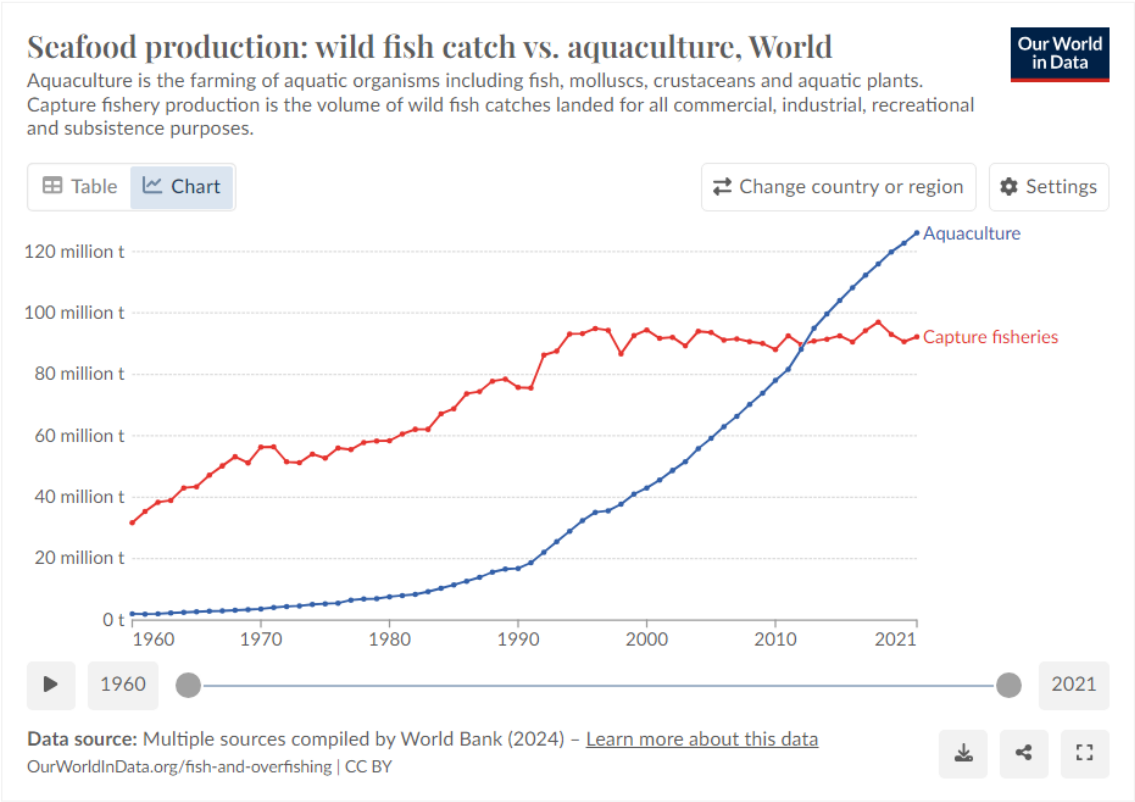
Alaska: Kelp harvest

Wet lbs, 2017-23



Source: Macro Oceans, McKinley Research Group

No Shortage of Motivations



DECEMBER 12, 2023

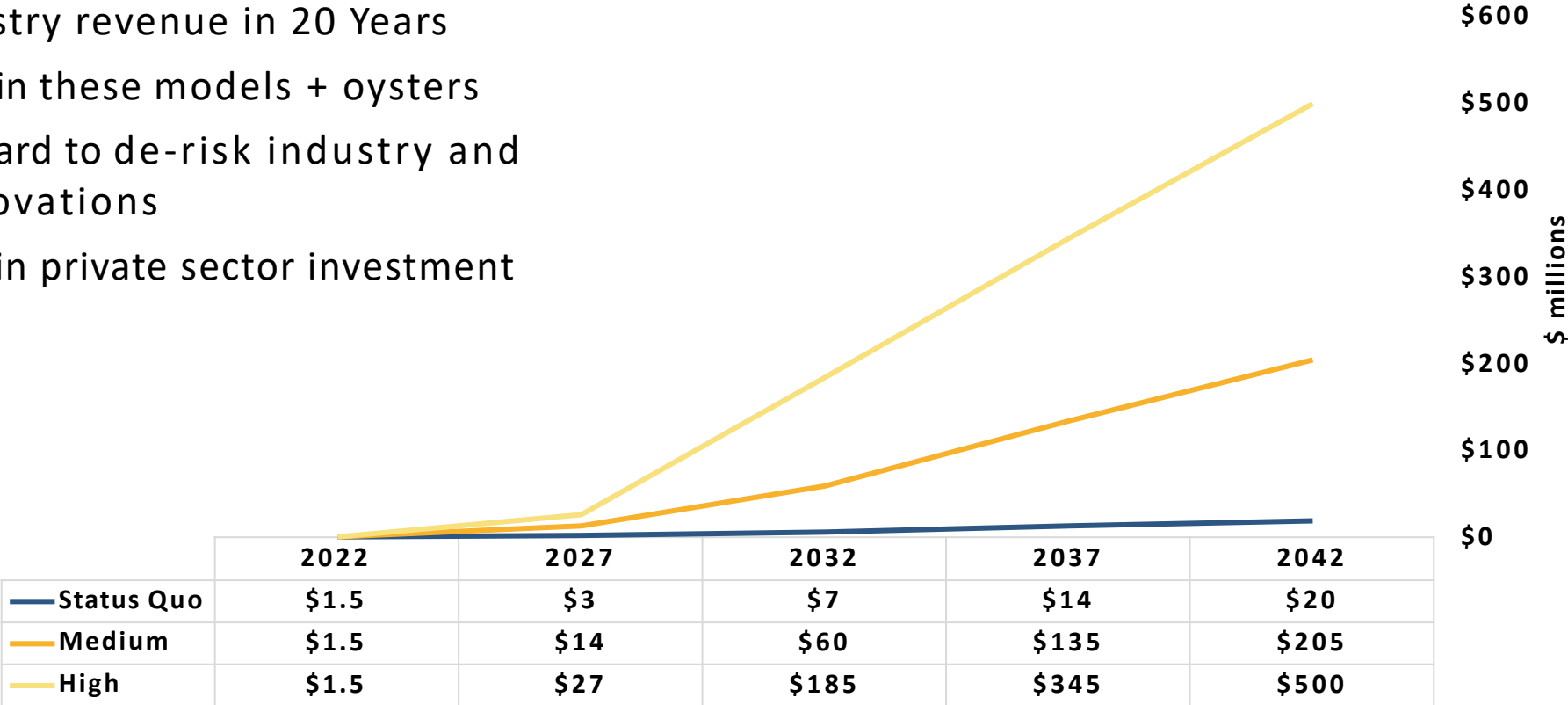
Trident Seafoods planning sale of Alaska plants, announces layoffs

Cliff White published in Supply & Trade



Industry Growth Goals – AMC Grant

- \$200M in annual industry revenue in 20 Years
- Seaweed the majority in these models + oysters
- Depends on BBBRC award to de-risk industry and continued policy innovations
- And \$100s of millions in private sector investment



Alaska Mariculture Industry Revenue Projections (\$millions)

ALASKA MARiculture CLUSTER



Robert Venables

SEC Executive Director

Robert@seconference.org

Dan Lesh

SEC Deputy Director

Dan@seconference.org

Juliana Leggitt

AMC Project Manager

Juliana@seconference.org

Check for updates and join our mailing list:

www.alaskamariculturecluster.org