

Seaweed Farm Start-ups: *Training Materials & Curriculum*

Revised 2020-02-01

WEBINAR (2 hours): February 4, 2020

Materials:

- Video – NOAA – [Alaska Kelp Farming – A New Sustainable Seafood Opportunity](#)
- DNR lease application
- Mariculture Map

Content (2 hours):

- (10 mins) Introductions to presenters
- (45 mins) Intros (3 mins each?) for each of the 14 topics to be discussed during 2-day workshop
- (45 mins) Q&A
- (10 mins) play videos
- (5 mins) Homework assignments:
 - Using Mariculture Map, identify 3 potential sites

WORKSHOPS (3 x 2 days each): Feb. 13-14, 17-18, 20-21.

Materials:

- Field Guide to Seaweeds of Alaska (hard copy)
- Seaweed Farming in Alaska (hard & digital copies)
- business plan template (hard & digital copies)
- aquatic farm lease application (hard & digital copies)
- Mariculture Revolving Loan Fund – loan application (hard & digital copies)
- Spawn, Spat & Sprains – A Manual for Aquaculture Safety in Alaska (hard & digital copies)
- Mariculture Map link
- digital copies of others [here](#):

Content:

- Identification of seaweed species, hands-on survey techniques, lifecycle of seaweed: Lexa Meyer (Kodiak), Melissa Good (Kodiak, others?), Kendall Barbery (all)
- Hatchery process: Kendall Barbery (all), Lexa Meyer (Kodiak), Tiffany Stephens (Ketchikan)
- Site selection: Lexa Meyer, Kendall Barbery, Tamsen Peebles
- Use of Mariculture Map: Axiom – Trevor Golden
- Farm gear, equipment, design: Kendall Barbery (all), Lexa Meyer/Alf Pryor (Kodiak)
- Business plan development: Quentin Fong (Kodiak), Kendall Barbery (all)
- Financing options: Jim Andersen- Mariculture Revolving Loan Fund (all)
- ADNR/ADFG Joint lease application process: Karen Coogan (ADNR-all) & Cynthia Pring-Ham/Flip Pryor/Michelle Morris (ADFG-all)
- Gear deployment, setting anchors & floating large objects: (Kendall Barbery, Tomi Marsh)
- Seeding and harvesting techniques: Kendall Barbery (all), Tiffany Stephens (Ketchikan), Lexa Meyer (Kodiak)
- Quality handling: Chris Sannito (all), Tomi Marsh/EC Phillips (Ketchikan)
- Safety considerations: Jerry Dzugan/AMSEA (Sitka), Mariah Warren (Ketchikan), Julie Matweyou (Kodiak), Tomi Marsh (all)
- Lessons learned from Alaska seaweed buyers: Lexa Meyer/Blue Evolution (Kodiak)
- Lessons learned from Alaska seaweed farmers: Tomi Marsh (Ketchikan), Alf Pryor (Kodiak), Kendall Barbery (all), Mark Scheer (Ketchikan)

Information providers: GreenWave, Alaska Sea Grant, ADNR, ADFG, Blue Evolution, OceansAlaska, Seagrove Kelp, AMSEA, Axiom, Angela Bowers, AFDF, farmers, others.

MENTORING (4 hours each for 6 participants over 6 months)



This publication was created with funds from NOAA Award NA19NMF4270027. The statements are those of the authors and do not necessarily reflect the views of NOAA or U.S. Dept. of Commerce.