

# MARICULTURE SITE ASSESSMENT TOOLKIT



CASE ID: UA 539-22

## BACKGROUND

Seaweed farming is a significant and growing industry worldwide as seaweeds, especially kelp, are used for food, medicinal products, additives, and bioremediation. Marine aquaculture sites in Alaska are in state public waters, and therefore the State of Alaska and the U.S. Army Corp of Engineers must approve the farm site and design. Potential farm sites must have suitable physical and biological characteristics to provide good yields and minimize costs. Currently, there is not a readily usable and quantitative way for mariculture farmers to assess a potential site as suitable for kelp farming prior to applying for a farming permit.

## DESCRIPTION

The Mariculture Site Assessment Toolkit (SAT) provides the necessary tools for assessing transparency, temperature, nutrient concentration, and currents in the water column as key environmental factors to assess potential sites suitable for kelp farming, particularly in Alaska. An illustrated protocol, video, and assessment index table make sampling and assessment easy to understand and accomplish for even the entry-level farmer.

## ADVANTAGES

- Complete and reusable toolkit
- Easy-to-use protocol, equipment, and site assessment index

## APPLICATIONS

- Mariculture/Aquaculture farmers
- Native associations

## INTELLECTUAL PROPERTY

- Copyright

## OPPORTUNITY

- Available to license



*Site Assessment Toolkit*



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## INVENTOR

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