

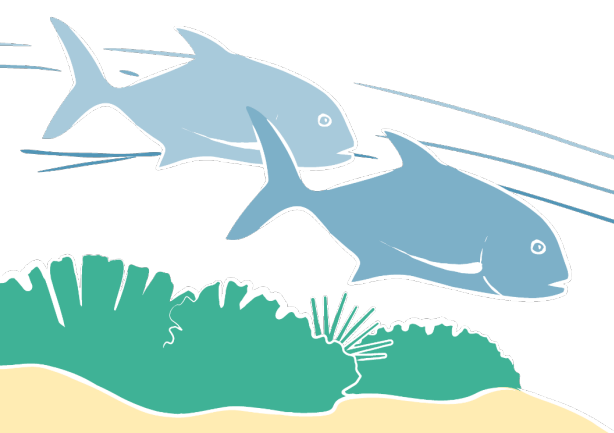
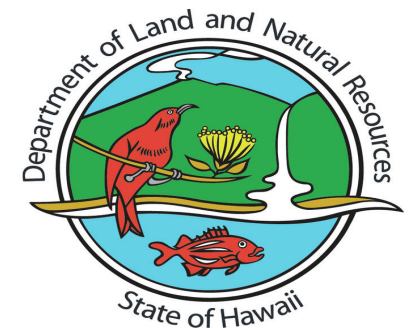


Aquaculture Informational Briefing – Department of Land and Natural Resources

Senate Committee on Water and Land
and
Senate Committee on Agriculture and Environment

January 18, 2024

Brian Neilson, Administrator, Division of Aquatic Resources



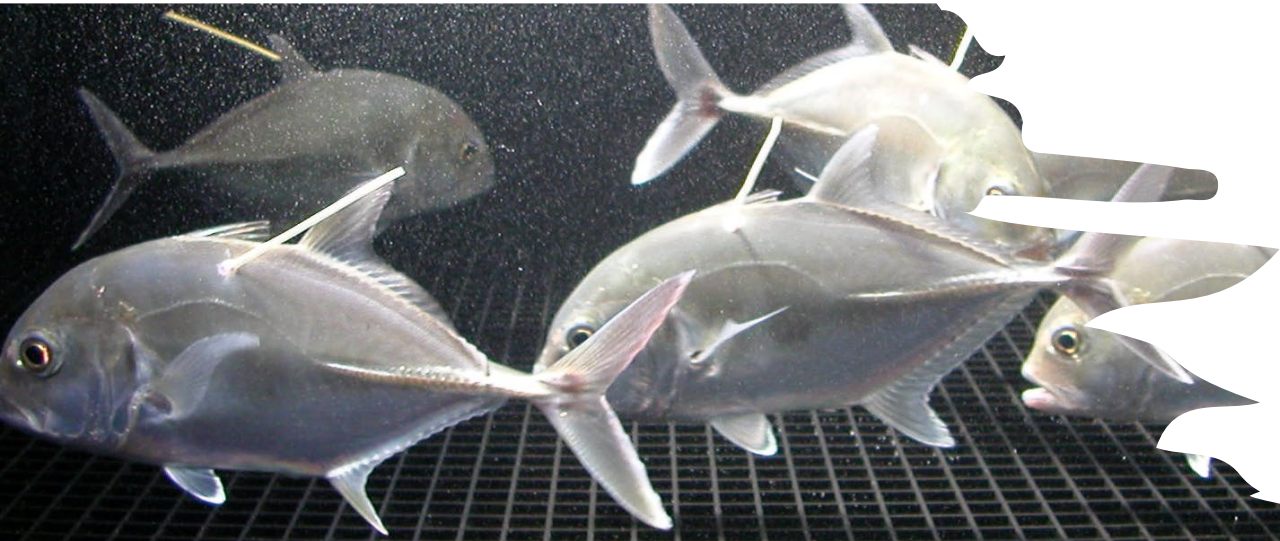
DLNR's Role in Aquaculture:

- Stock Enhancement
- Restorative Aquaculture
- Regulatory Role



1972





**Past Projects:
Moi, Ulua, Papio, 'Ama
'ama, Prawns, catfish,
Kumu**



Stock Enhancement – Projects

Current:
Kokee Rainbow Trout
Largemouth Bass
'Ama 'Ama



Stock Enhancement: Kokee Rainbow Trout

2023:

- **Stocked 25,800 rainbow trout**
- **Caught 16,871**
- **2,808 anglers visited**



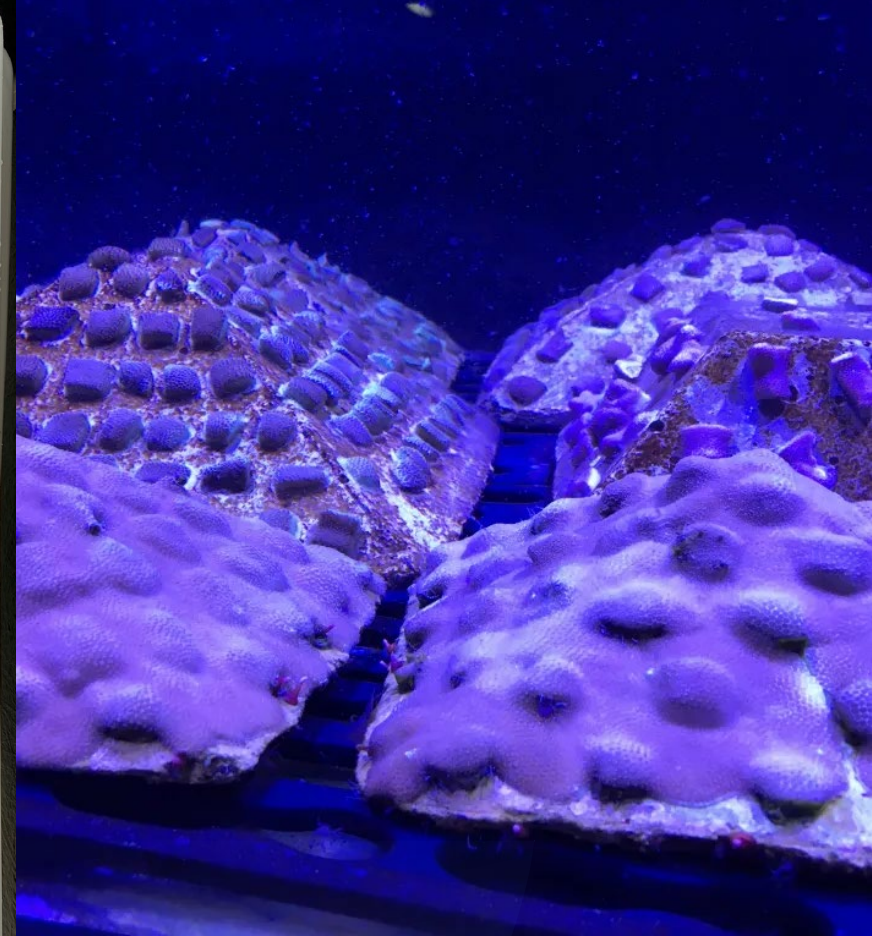
Stock Enhancement: Largemouth Bass

Partnership with Wahaiwa Middle School

Stock Enhancement – Current Projects



Waianae High School
'Ama 'Ama Pua Production



Restorative Aquaculture – Current Projects

Anuenue Fisheries Research Station



Restorative Aquaculture – Sea Urchin Hatchery

- Invasive Algae Control
 - Kaneohe Bay
 - Waikiki
 - Maunalua Bay (pilot)





Restorative Aquaculture – Limu Restoration

*Restore culturally significant limu,
and habitat for aquatic resources*

Limu Restoration Nursery

Healthy and Diverse
Native Limu
Communities =
Healthy Local
Communities

This area is utilized for the
culturing, propagation, and
sharing of limu and it's
importance in Hawai'i's
native ecosystems

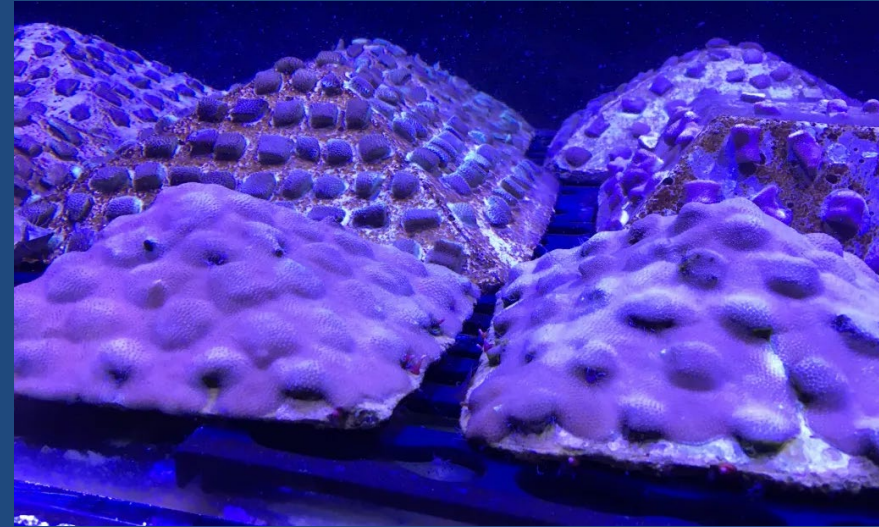


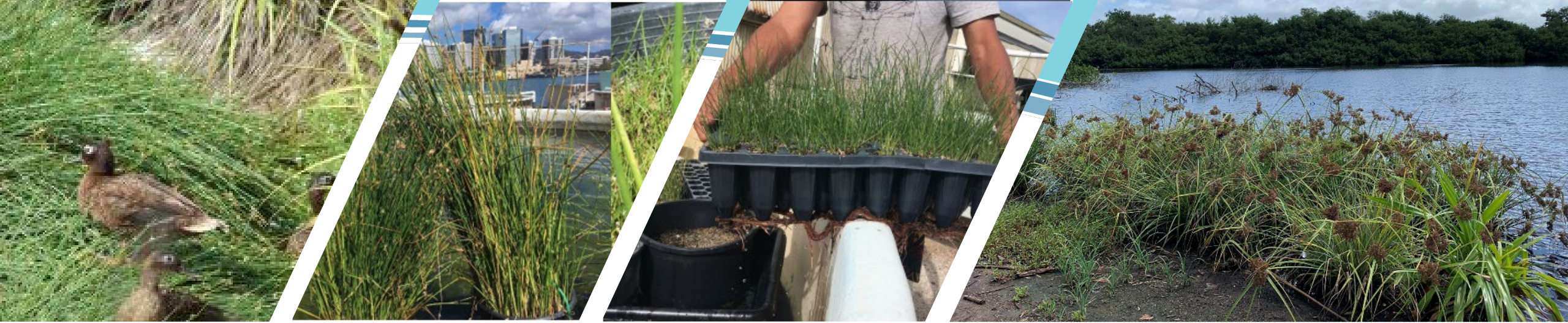
For more information please visit
<https://dlnr.hawaii.gov/dar/>



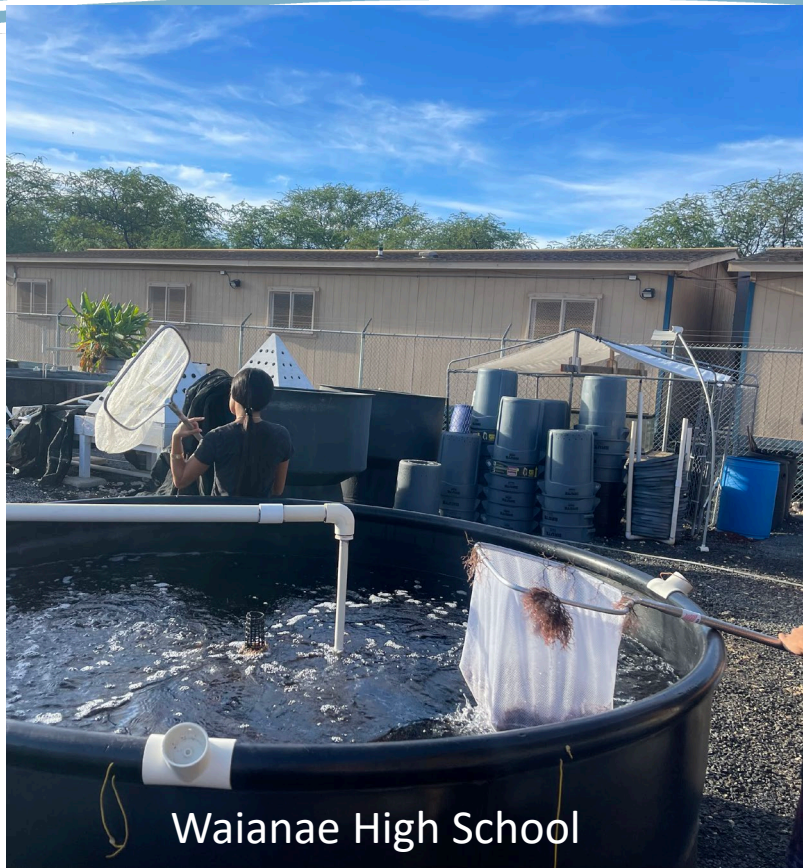
Restorative Aquaculture – Coral Restoration

- Coral nursery
- Coral restoration planning
- Kona and Waikiki coral restoration projects





Restorative Aquaculture - Estuarine Plants



Waianae High School



Paepae O He'eia



NELHA Coral Nursery



Wailoa Research Station



Anuenue Fisheries Research Station

Aquaculture
- Future Opportunities

DLNR Regulatory Role:

DAR:

Special Activity Permits (SAP) 187A-6

Aquaculture Facility License (AFL) 187A-3.5

OCCL:

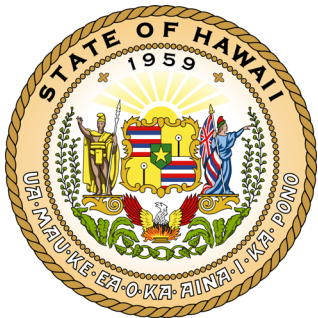
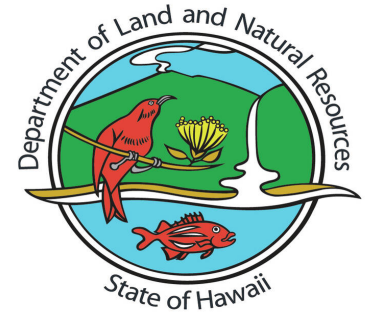
Conservation District Use Permit 183C

Requires compliance with Ch. 343

Land:

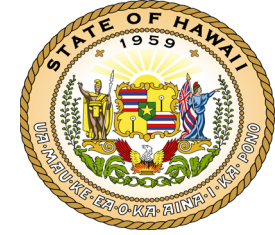
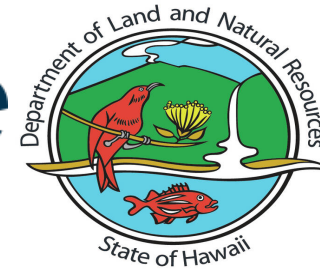
**Open Ocean Mariculture Lease Application
(approved by BLNR)**

Requires concurrence with DOT 190D-21 (a)



Regulatory Role:

Special Activity Permits (SAP)

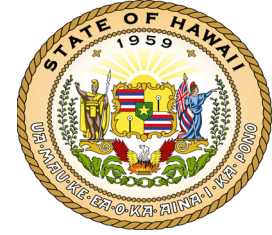
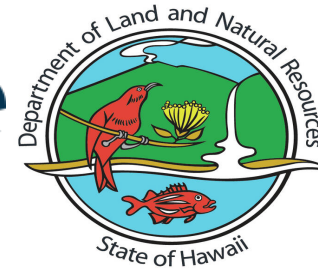


Current # of Aquaculture Special Activity Permits: 9

Aquaculture-Related SAPs issued over the past 5 years: 36

Average # of SAPs issued per year (e.g. research, aquaculture, education): 55

Average Processing Time for SAPs that go through biologist review: 1.5 – 4 months* (If emergency permit is needed average processing time can range within 5 business days)



Regulatory Role:

Aquaculture Fac. License (AFL)

Current # of Aquaculture Facility Licenses: 10

Aquaculture Facility Licenses issued over the past 5 years: 64

Average # of AFLs issued per year: 13

Average Processing Time for AFLs that go through biologist review*: 1.5 – 4 months

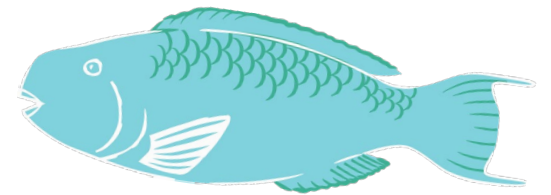
*If no review needed, average processing time is
1-2 business days

MAHALO!



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Questions
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