

Community Meeting Summary: July 25, 2022

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UH Hilo PACRC

- Aquaculture specialization/Agriculture Bachelors degree
- Hawaiʻi's only 4 year academic aquaculture program
- Masters degree students may choose aquaculture research topics
- Aquaculture Student Workforce Training Program

PACRC Research & Programs

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|------------------------------|--|
| Fish R&D | <ul style="list-style-type: none"> ▪ Two fish hatcheries ▪ Research on native fish species ▪ Ornamental fish research |
| Shellfish Program | <ul style="list-style-type: none"> ▪ Supply seed & training to growers ▪ Improves water quality ▪ Climate adapted shellfish |
| Hilo Aquaculture Cooperative | <ul style="list-style-type: none"> ▪ Native oysters, pearl oysters, Pacific oysters, limu |

Hawaii Opportunities

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| <ul style="list-style-type: none"> ▪ Hydroponics ▪ Aquaponics ▪ Limu | <ul style="list-style-type: none"> ▪ Marine Fish ▪ Freshwater Fish | <ul style="list-style-type: none"> ▪ Shrimp ▪ Shellfish |
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Technical Assistance, Extension and Training for Beginning Aquaculture Farms

- Locations
- Hawaiʻi
 - Pohnpei and Kosrae
 - American Samoa

Objectives:

1. Increase the number of farmers
2. Increase production scale and effectiveness
3. Conduct cross-site visits
4. Develop training materials

Online Training

<https://drive.google.com/drive/u/0/folders/1kP4MOzu9xqoJedUDsBtY2gEiBpfriiC>

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| <ul style="list-style-type: none"> ▪ Fish Culture ▪ Shellfish Culture ▪ Aquaculture Permitting | <ul style="list-style-type: none"> ▪ Aquaculture ▪ Restorative Aqua culture and Oyster Gardening |
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Interested in learning more?

- Maria Haws, haws@hawaii.edu
- PACRC website, <http://pacrc.uhh.hawaii.edu/>
- FB, www.facebook.com/pacrc

Manele-Hulopoe MLCD Boundary



Objectives for MLCD

- **1.1:** Mānele & Hulopoʻe Bays safe for spinner dolphins (naiʻa) to rest/play undisturbed by 2023; double amount of time in bays by 2030
- **1.2:** Manage Mānele Bay boating activity, ensuring human safety & coral reef health by 2023
- **1.3:** Reduce seabird threats & ensure sustainable interactions between people and coastal & marine life, and storied places by 2025
- **1.4:** Restore native plant dominant seabird habitat between Mānele and Hulopoʻe Bays by 2030
- **1.5:** Reduce erosion by 50% in Pālāwai & Kamaʻo ahupuaʻa and sediment stress to coral reef ecosystems in Mānele Bay by 2030

Objectives for Reefs and Fisheries: South Sore

- **3.1:** Assess establishment of a marine management designation of the ecologically connected south shore coral reef areas from Kaunolū to Kamaʻo ahupuaʻa by 2025
- **3.2:** Reduce watershed erosion by 50% to south shore coral reef areas from Kaunolū to Kamaʻo ahupuaʻa by 2030

Objectives for Lānaʻi Island

- **4.1:** Establish marine management for the entire coral reef surrounding Lānaʻi by 2030
- **4.2:** Reduce sedimentation by 50% to all the coral reefs around Lānaʻi by 2030, 90% by 2040

Current Implementations

- Share CAP with community for feedback
- Makai Watch program – later 2022
- Mānele Bay sediment capture
- Ecological Acoustic Recording (EAR) of spinner dolphins and vessel traffic

Interested in learning more?

- Comments, questions, request a copy of the draft plan
- Adam Wong, adam.k.wong@hawaii.gov
- Emily Fielding, efielding@tnc.org