

Overview and Lessons Learned



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History

- 2000s Miloli`i Coastal Watch and Ahihi Kina`u Makai Watch
- 2005-2006 Official partnership with DLNR
- 2010 Standardization of DOCARE Observation and Incident Reporting
- 2011-2012 Strategic Planning
- 2013 Makai Watch Coordinator
- 2014 BLNR approval



Makai Watch 1.0 Components



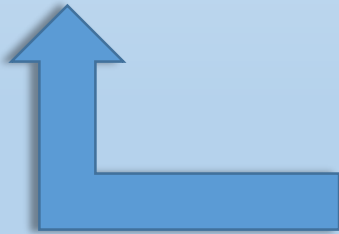
Makai Watch

Observation and
Incidence Reporting
(OIR)

Awareness Raising
and Outreach
(ARO)

Human-use monitoring and
Biological Literacy Education
(HUMBLE)
Optional

Human-use
Surveys



Biological
Monitoring

A topographic map of the Hawaiian Islands chain, showing the main islands from north to south: Kauai, Oahu, Maui, and Hawaii. The map is rendered in shades of green and brown to indicate elevation, set against a dark blue background representing the ocean. Several monitoring sites are marked with white diamond symbols and labeled. On Kauai, the sites are Hanalei and Ha'ena. On Oahu, the sites are Pupukea and Maunaloa. On Maui, the sites are Ka'anapali and Ka'ehu. On Hawaii, the sites are Puako and Ka'upulehu.

Hanalei
Ha'ena

Pupukea

Maunaloa

Ka'ehu

Ka'anapali

Puako

Ka'upulehu

The State of Hawaii Makai Watch program is a statewide program with site programs located on Kaua'i, 'Oahu, Maui, and Hawai'i Island.

Makai Watch 1.0 Program Standards

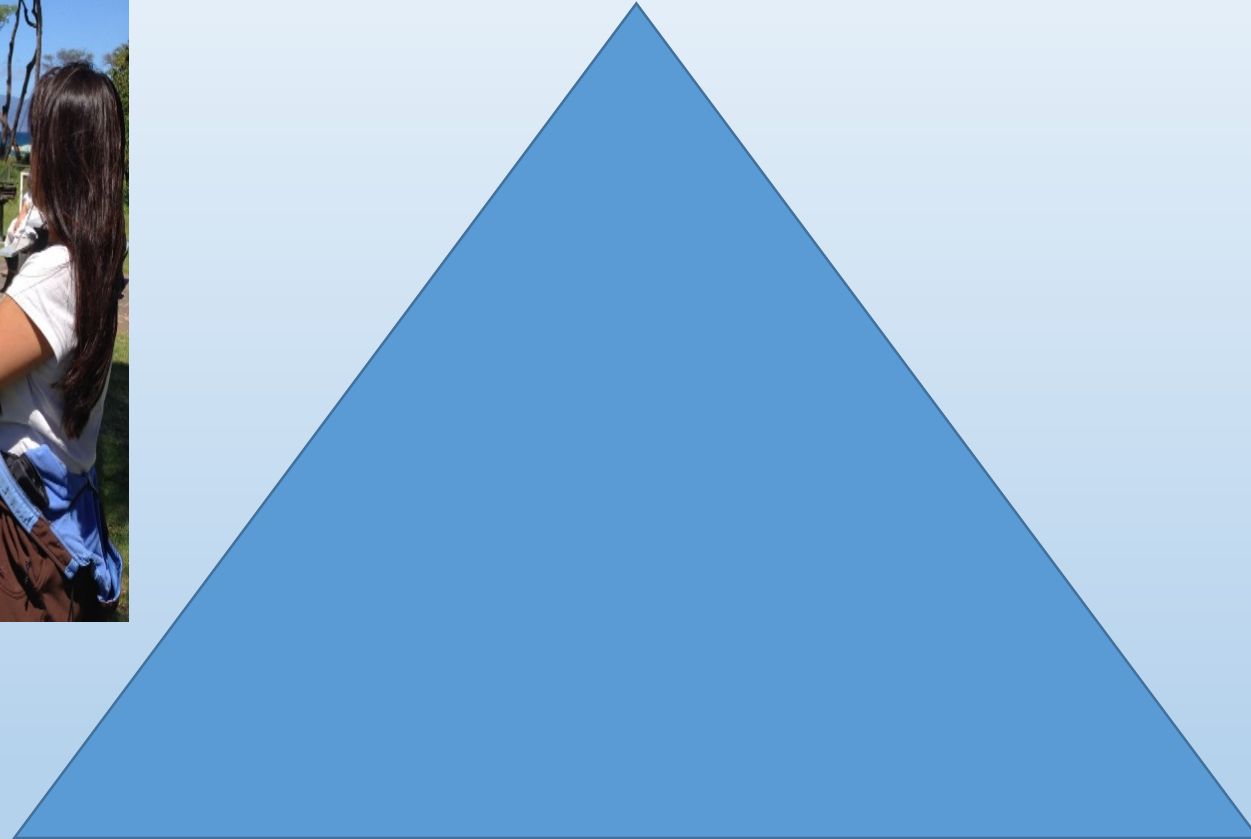
- ✓ Organizational Representation
- ✓ Program Support and Evaluation
- ✓ Makai Watch Site Program Coordinator
- ✓ Minimum Activity
- ✓ Management of Volunteers
- ✓ Training and Education for Volunteers
- ✓ Site Program Manuals and Quick Reference Guides
- ✓ Coordination with DLNR
- ✓ Recordkeeping and Reporting



Makai Watch 2.0 is...



GOAL



PROCESS

RELATIONSHIP

Lessons Learned



Observation and Incident Reporting Standardization (2010)



DAR Curriculum (2015)



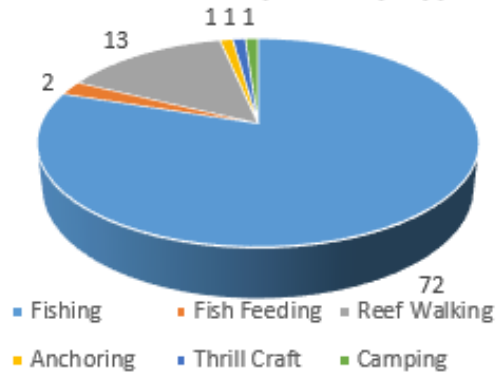
DOBOR Curriculum (2015)

Lessons Learned

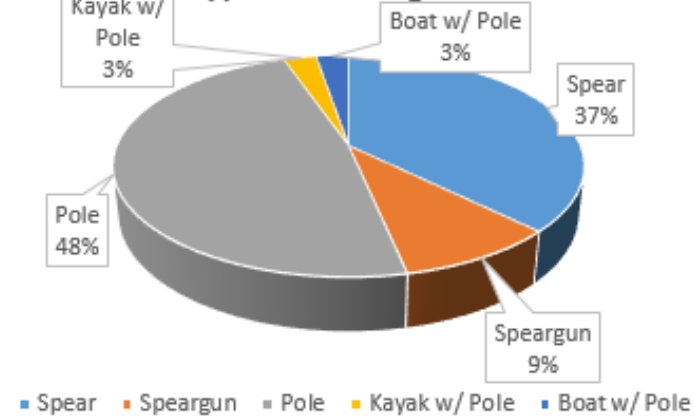
Fishing Statistics Baseline

Kaanapali Makai Watch On-line Observations

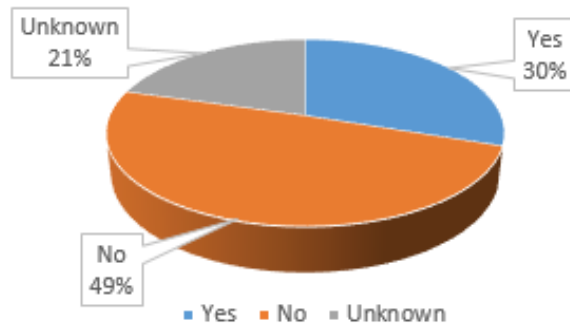
Observation Reports by Type



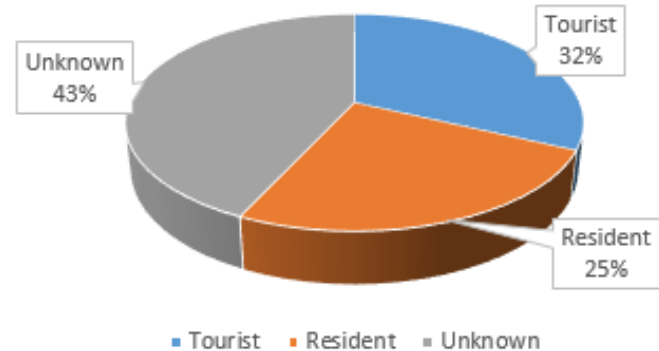
Type of Fishing Gear



Fishers Knowledgeable of KHFA



Where are fisher from?

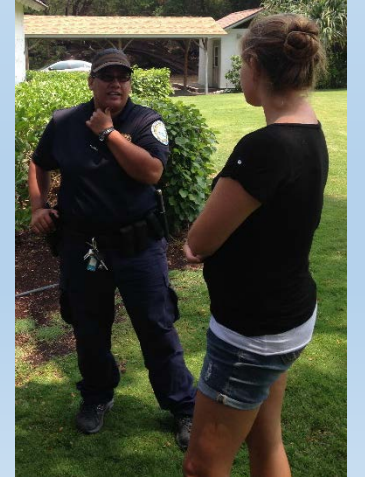


Aloha,
You guys are fishing in the
Ho'oua Community-based Subsistence
Fishing Area. It is open to all
fishers, but we have specific rules
that need to be followed when
fishing here.
One of our rules is a ban on
spear guns. We have documented
a violation with the 3 of you using
spear guns. This constitutes a
warning.
The next time that you come
to fish in Ho'oua, we hope that
you will respect and honor our
rules.
Mahalo nui,

Aloha,
You guys are fishing in the XXXXXXXXXX fishing area.
It is open to all fishers, but we have specific rules that
need to be followed when fishing here.
One of those rules is a ban on XXXXX. We have
documented a violation with the 3 of you using XXXXX.
This constitutes a warning.
The next time that you come to fish in XXXXXXX, we
hope that you will respect and honor our rules.
Mahalo nui,



What's Working...



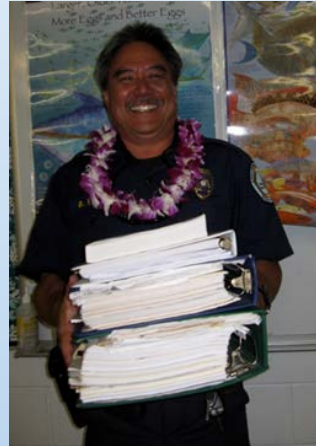
Makai Watch – Areas of Improvement

Permanent Funding

Report Tracking System*

Harassment of Fishers

Vigilant Volunteers



Exclusive Program



3 year lessons learned report

- *Address 2006 DOCARE Audit Recommendations
- *Address Enforcement Chain Analysis Recommendations
- *Provided Community Engagement Component for 2009 DOCARE Strategy

What Does DOCARE think...

	Kauai	Oahu	Maui	Hawaii
How can we improve MW?	<ol style="list-style-type: none"> 1. More Officers 2. Communication 3. Management of Expectations 	<ol style="list-style-type: none"> 1. Communication between DOCARE and MW Coordinator 2. Education and Trainings 3. Accurate Reporting 	<ol style="list-style-type: none"> 1. Program for Elementary and Highschool 2. Expand Makai Watch to additional islands 3. More officers 	<ol style="list-style-type: none"> 1. Community meeting with DOCARE 2. Education (Hawaiian Gathering Rights/Micronesian Education) 3. Training for DOCARE officers
How can MW assist DOCARE?	<ol style="list-style-type: none"> 1. Names of Volunteers 2. Accurate Reporting 3. Education 	<ol style="list-style-type: none"> 1. Willing to testify 2. Phone Contacts 3. Actionable Cases 	<ol style="list-style-type: none"> 1. Timely Accurate Reporting 2. Education 3. Willing to Testify 	<ol style="list-style-type: none"> 1. Accurate and Actionable Reports 2. Training and Education of Rules and Regulations 3. Willing to Testify in Court
What does a successful MW look like?	<ol style="list-style-type: none"> 1. Educate public not take action 2. Community and DLNR working together 3. Communication with resource-users 	<ol style="list-style-type: none"> 1. Self-policing 2. Enforcement through education 3. Eyes and Ears 	<ol style="list-style-type: none"> 1. Educated and Organized Volunteers 2. Voluntary Compliance from resource-users 3. Maintain a standard and hold volunteers accountable 	<ol style="list-style-type: none"> 1. DOCARE, MW volunteers, and community cooperating, working thru communication and education to successfully enforce rules/laws
How to improve communication?	<ol style="list-style-type: none"> 1. Include all officers in dialogue, not just Branch Chiefs 2. Create cooperative agreements within DLNR and with communities 	<ol style="list-style-type: none"> 1. Meeting with community 2. Involve district officers 3. Social Media 	<ol style="list-style-type: none"> 1. Outreach Programs 2. More workshops with communities 3. More officers 	<ol style="list-style-type: none"> 1. DOCARE and community meeting 2. Have DOCARE on community email list

How would DOCARE evaluate Makai Watch..

	Kauai	Oahu	Maui	Hawaii
DOCARE - Makai Watch Metrics	<ul style="list-style-type: none"> • Volunteer List • # of volunteers testify • # of volunteers trained/educated • # of reports and follow-up 	<ul style="list-style-type: none"> • # of prosecutable cases • Decreased # of complaints due to community outreach • Decrease in violations within area • # of incidents • # of actionable cases • # of convictions • Officer buy-in 	<ul style="list-style-type: none"> • Survey of DOCARE and community • # of volunteer hours/month • # volunteers • # of actionable reports • # of reports/citations or arrest • Accuracy and Completeness of report • Timeliness of report • Annual evaluation of MW members • Community compliance • Visitor/volunteer knowledge of management area • Visitor/volunteer knowledge of criminal justice system • # volunteers testify with correct information for prosecution 	<ul style="list-style-type: none"> • Actionable Reports • Quarterly Reports • # referrals to DOCARE • Decrease in “non-violations” • Decrease in violations because of education and cooperation from fishers • Coordination with DOCARE • Increase compliance, increased public knowledge of DAR/DOBOR rules • # of complaints/education contacts • # of contacts for education and outreach, # volunteers hours • # of partnerships/relationships • # of volunteers testify in court • # of volunteers • Violation/conviction rate • Violation/non violation ratio • # of reports made that end with fines/guilty parties

Recommendations

Evaluate Effectiveness of Makai Watch

Strengthen DLNR Relationships

Broaden Program Reach

DOCARE Community Liaison / Education Specialist

Work with Fisher Communities



Makai Watch 2.0 – Pili`āina

Objective
1. Ho`opili (Strengthen Relationships)
DLNR
Community
Resource
2. Ho`ona'au'ao (Increase Marine Knowledge)
Increase baseline knowledge
Increase Access to knowledge
3. Ho`ana (Evaluation)
Program Effectiveness
4. Ho`omau (Sustainability)
DOCARE Federal Funds
On-island Capacity



Any Questions?

Mahalo