

U.S. Coral Reef Task Force



Watershed Partnership Initiative

Kā'anapali, West Maui

Cindy Barger, USACE, August 2012

Partnership Agencies

Direct application of resources, technical assistance, and/or program expertise



Hawaii DLNR



Hawaii DOH



WMMWP



TNC



NFWF



NOAA



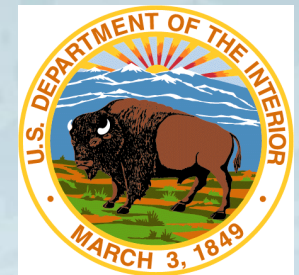
USDA-NRCS



USACE

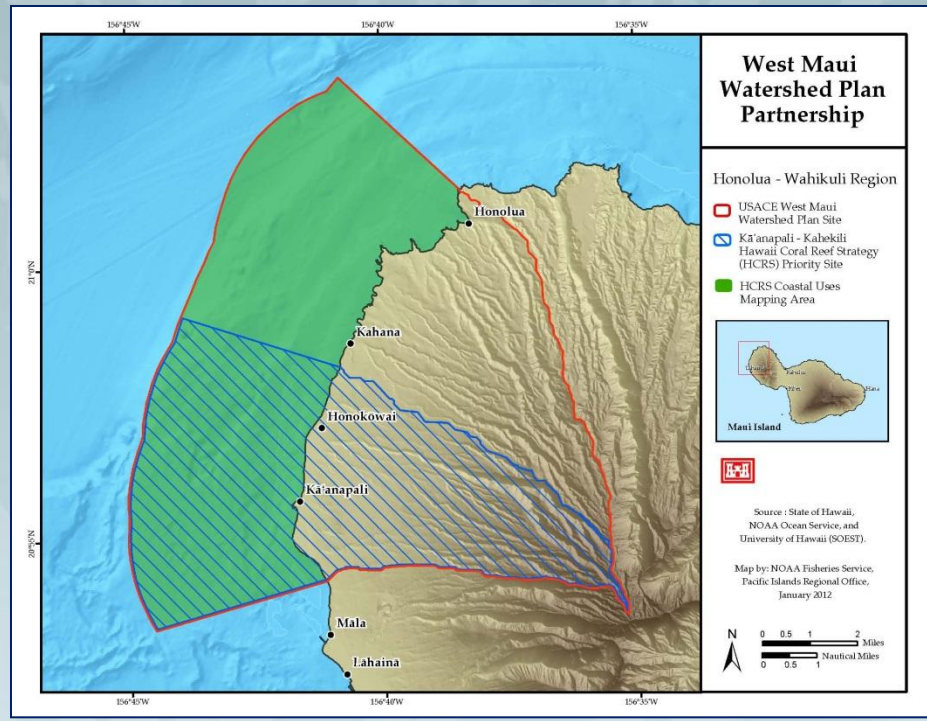
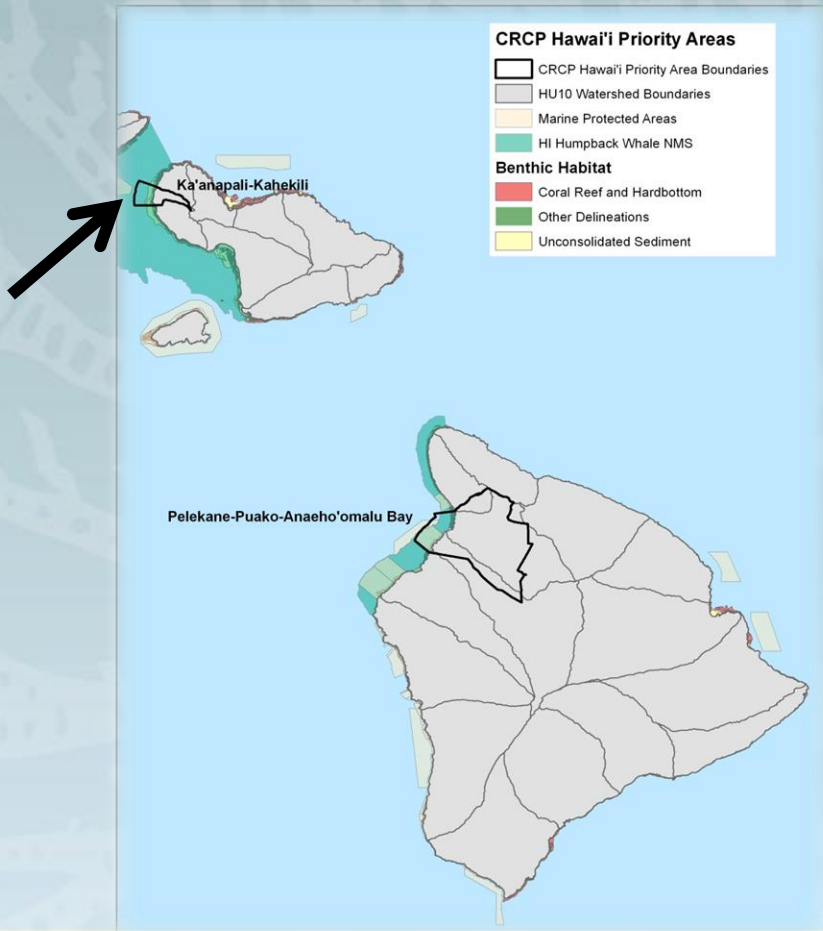


USEPA



DOI-FWS & USGS

Kā'anapali Maui, HI



GOAL:

Restore and enhance the health and resiliency of West Maui coral reefs and nearshore waters through the reduction of land-based pollution threats from the summit of Pu 'u Kukui to the outer reef.



Photo by Darla White

Key Land-based Pollution Issues

Environmental Problems:

- Invasive plant species
- Feral ungulates.
- Wildland fire.
- Increasing droughts.
- Decreased water availability.
- Decreasing coral cover.
- Nuisance algae blooms.

Contributing Factors:

- Agricultural & urban runoff.
- Land use in transition.
- Fragmented water systems.
- Increased tourism.
- Injection wells.
- Lack of coordination.





Staffing & Funding



Tova Callender,
Watershed Coordinator

March 2012 Watershed Coordinator starts.

March 2012 USDA-NRCS receives \$400K for Year 1 activities.

June 2012 NOAA funding for Pilot Rain Garden.

Summer 2012 Two Sunia Fellows in Watershed.

August 2012 USACE & DLNR Cost Share Agreement signed.



Malia Santos
Sunia Fellow

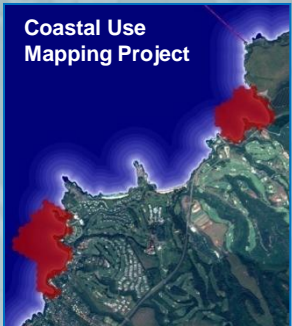


Community Engagement

- Ongoing Makai Watch Community Outreach.
- Spring 2012 Kā`anapali-Kahekili Small Group Meetings.
- March 2012 NRCS Public Outreach Meetings.
- June 2012 West Maui R2R Working Group Established.
- June 2012 Kā`anapali-Kahekili Public Meeting.
- July 2012 Kahekili Fisheries Management Area 3rd Annual Birthday Bash.
- Oct 2012 Kā`anapali-Kahekili Watershed Public Meeting.
- Nov 2012 West Maui R2R Public Scoping Workshop.



Planning



May 2012 NOAA/DLNR Coastal Use Mapping Project.

June 2012 NOAA Kā`anapali-Kahekili Watershed Management Characterization Plan.

July 2012 Sunia Fellows Agricultural Road Erosion Assessment.

Aug 2012 EPA, DOH & USACE Lahaina Wastewater Treatment Facility Tracer Study Interim Report.

Aug 2012 NRCS West Maui Conservation Plans.

Sep 2012 USACE West Maui Climate Change Decision Framework Pilot Study.



Sep 2012 NFWF funds CORAL Alliance Hotel & Resort Water Reuse Study & Implementation Support project.

Sep 2012 NOAA funds Coral Decline & Mortality Environmental Forensic Investigation.

Oct 2012 NOAA Kā`anapali-Kahekili Watershed Management Implementation Strategy.

2013 USGS High Resolution Mapping of Kahekili reefs, groundwater discharge & flow patterns.



Implementation



February 2012 Maui County disinfects all Lahaina wastewater in response to EPA Consent Agreement.

June 2012 Kā`anapali Makai Watch pilots Online Monitoring Program.



September 2012 NRCS pays ~\$320K in Environmental Quality Incentive Program (EQIP)/ Wetland Reserves Program (WRP) contracts.

October 2012 DLNR implements 1st on-the-ground project.

2013 DOH/EPA to fund 2nd on-the-ground implementation project.



Next Steps & Opportunities



- Implement 1st tier priority actions (Kā`anapali-Kahekili Assessment).
- West Maui R2R comprehensive planning 2013-2015.
- NRCS EQIP/WRP conservation planning 2013-2014.
- DLNR 2013 Coral Reef Conservation Program grant requests.
- Continuing to grow the West Maui R2R Hui.

Contacts:

Website: www.hawaiiicoralreefstrategy.com

Points of Contact:

- Risa Minato (HI DLNR/HCRI): charissa@hawaii.edu
- Tova Callender (NFWF): tovacallender@gmail.com
- Cindy Barger (USACE): cindy.s.barger@usace.army.mil
- Wendy Wiltse (EPA): wiltse.wendy@epamail.epa.gov
- Sharon Sawdey (NRCS): sharon.sawdey@hi.usda.gov
- Kathy Chaston (NOAA): kathy.chaston@noaa.gov
- Curt Storlazzi (USGS): cstorlazzi@usgs.gov



KHFMA 3rd Annual Birthday Bash