Managing land-based pollutants in Hanalei Bay thru inter-agency & community collaboration



Kathy Chaston NOAA National Ocean Service Office of Ocean & Coastal Resource Management

Hawaii's local action strategy to address land-based pollution threats to coral reefs



ONK(







TE DEPARTMENT OF HEALTH









LAS builds on other federal initiatives

•1998 American Heritage River

Created by Clinton Exec. Order in 1998 to protect environment, economy, and culture(14 in US)

•2003 EPA Watershed Initiative Grant (\$800K)

Cesspool upgrades, fencing cattle, Taro BMPs, coral monitoring (12 in US)

2004 LAS priority watershed

Hanalei River: American Heritage River

- Federal Agency MOU: cut red tape to assist river community (EPA federal team chair)
- "River Navigator" (1 FTE) converted to 3 part time local coordinators
- USFS funding for 5+ years
- Resulted in community buy-in, built capacity, 1st watershed plan, good multi-federal agency participation, baseline data

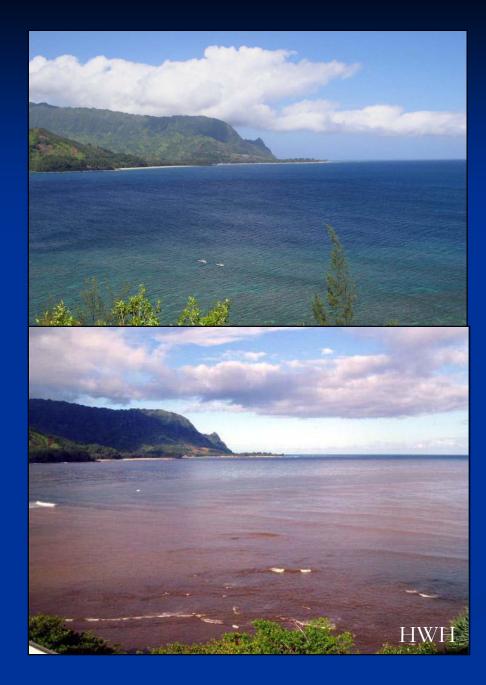
Hanalei, Kaua'i













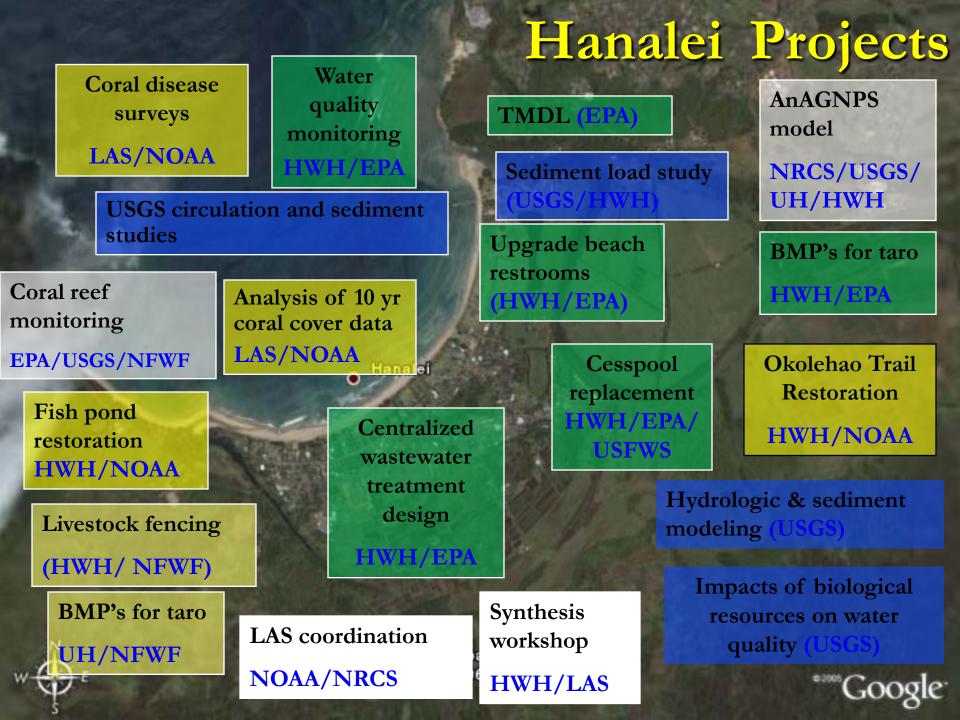
LAS has 3 key objectives:

- Reduce anthropogenic pollutant loads
- Improve understanding of links between pollution and coral reef health
- Increase awareness of pollution prevention

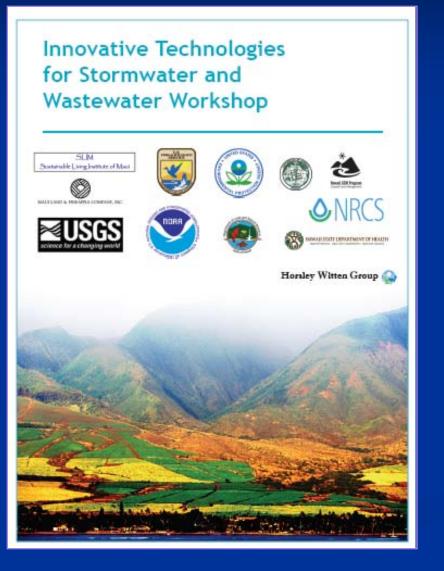








Workshops on stormwater and wastewater management and erosion control





Protecting island resources by enhancing local stormwater and erosion control practices

3 workshops

 Guidelines drafted for "Stormwater Treatment Practices To Protect Water Quality in Maui County, Hawaii"

 Partners LAS, NOAA, MLP, SLIM, Maui County, MLSWCD

EPA Roles in Hanalei

AHR Federal Team chair

develop Federal MOU, AHR Plan

Watershed Initiative Grant (~\$800K)

- Cesspool upgrades, fencing cattle, Taro BMPs, coral monitoring
- Water quality monitoring

 sediments, turbidity, bacteria loads

 TMDL: budget for sediments & nutrients
 CWA wetlands permit review & enforcement
 unant \$ to develop 2nd watershed plan (CWA 319)
 Technical assistance

Lessons Learned

Community groups are dynamic
Watershed initiatives take time
Community support is critical
Implement simple large scale management actions

Questions?

Kathy Chaston@noaa.gov 808-754-7242