

COUNTYWIDE CLIMATE CHANGE AND SEA LEVEL
ADAPTATION AND RESILIENCY MASTER PLAN

CCSLAR PLAN

COMMUNITY-LED PROJECT FOR MOLOKAI'S FUTURE



RECEIVED AT KA'A MEETING ON 08/21/2025

Our overarching goal is to develop a Plan that best serves our community. Thus, this Plan strives to:

(a) have an **indigenous place-based** perspective—meaning the planning process was led/driven by Molokaʻi kamaʻāina and long-time community leaders;

(b) incorporate appropriate **technical land use planning and coastal engineering expertise;**

(c) utilize this process as an opportunity to **engage and develop our next generation of local leaders**—since climate change adaptation is an issue that they will most feel the effects of, and ultimately, they are the ones that need to be most prepared and engaged;

(d) result in an **action-oriented** document that identifies the key climate change issues, coastal inundation due to a significant rise in sea level, upcoming Molokaʻi projects that may need to be adapted, as well as new plans that should be adopted in order to build greater community adaptability, resilience, and capacity in the years ahead.

OUR PARTNERS



1

SUSTAINABLE MOLOKAI

Katy Mokuau, Climate Change Project Manager
Harmonee Williams, Consultant/Program Manager
Heather Place, Project Coordinator

2

RESOURCE ADVISORS

Malia Akutagawa, Consultant
Matt Yamashita, Quazifilms Owner

3

TOWNSCAPE

Sherri Hiraoka, Principal Planner
Bruce Tsuchida, Principle

4

SEA ENGINEERING

Alyssa Agustin, Oceanographer & Project Manager
Ellie Dunkle, Ocean Engineer
Marc Erikson, Vice President

5

MAUI COUNTY

Council Member Keani Rawlins-Fernandez
Mahina Poepoe, Executive Assistant
Zhanell Lindo, District Office Staff

CCSLAR PLAN TIMELINE

Community-Led Climate Change & Sea-Level Rise Plan for Molokai's Future



So far...

We collected a grand total of 810 surveys through in-person workshops, online surveys, and other outreach efforts.

We also served a total of 3,934 community members with locally prepared and sourced meals.

We are the first island in Maui County to create a plan for Sea-Level Rise.



CCSLAR SLR DIY Project



Data Collected

A total of 9.37% of participants returned to attend future workshops, indicating that 90.63% of attendees are newcomers.

Description	Surveys Collected	People Reached
Phase I	506	747
Phase II	304	488
Phase III	0	1106
Phase IV	0	1593
Grand Total	810	3934

***Note:**

- Some surveys were filled out by 'ohana or multiple people.
- After phase 2, no surveys were disseminated, as priority sites had already been identified.



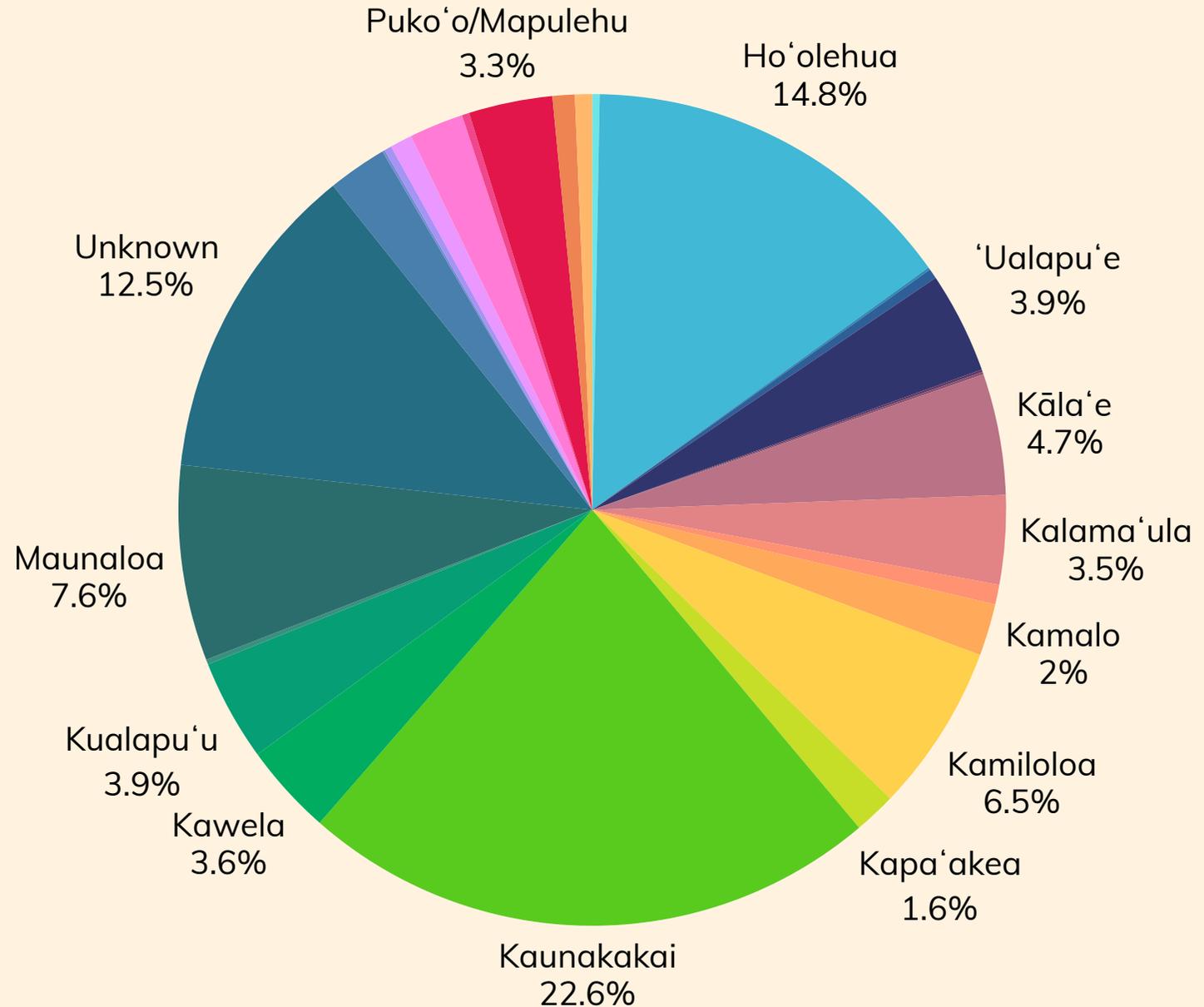
This figure exceeds more than half of Molokai's total population!

Demographics

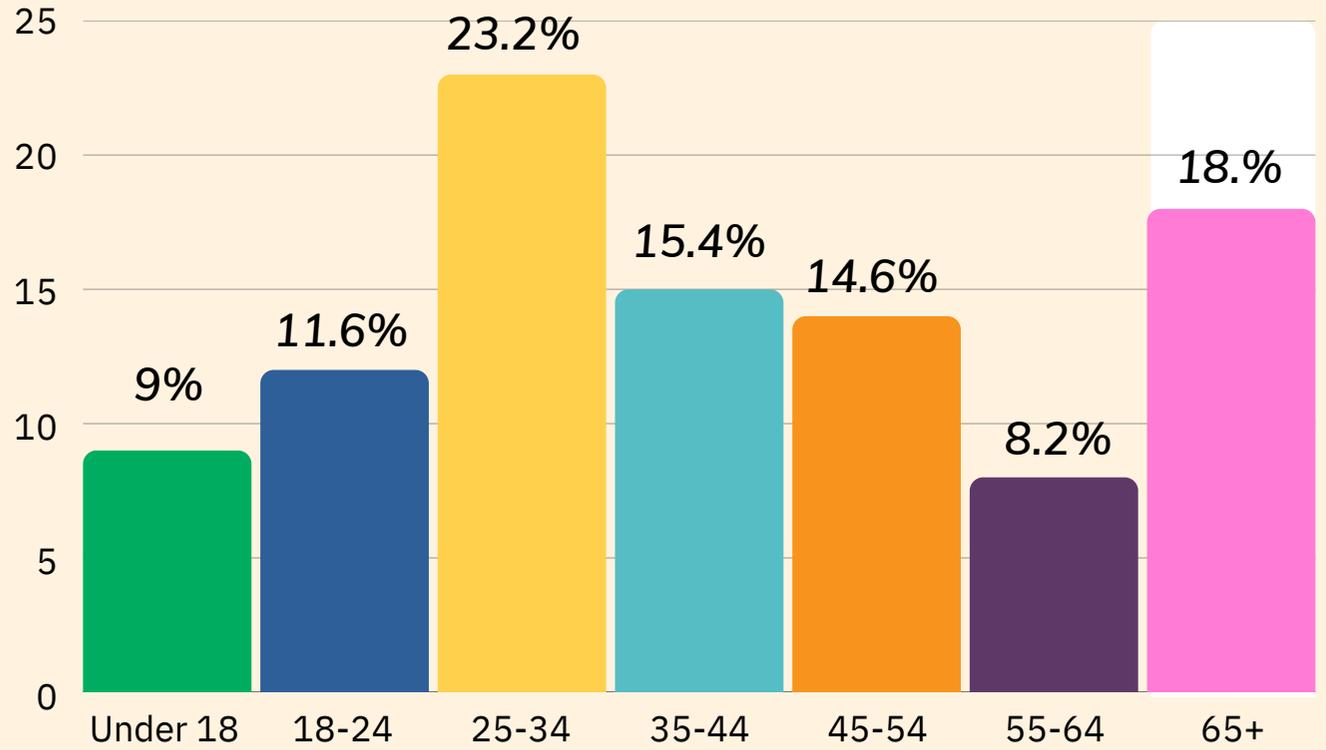
WHERE DO YOU LIVE?

Total Population of Molokai: 7,000 people

Note: Results from the sign-in sheets of all 4 workshops.



HOW OLD ARE YOU?





'E hele mai!

Join us in watching the FINAL CCSLAR film documentary!

MOLOKA'I CCSLAR

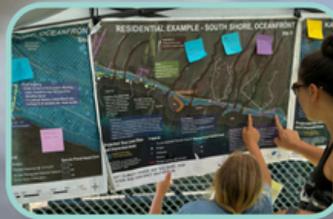
(CLIMATE CHANGE AND SEA LEVEL RISE
ADAPTATION AND RESILIENCY MASTER PLAN)

FILM SHOWCASE

OPEN TO THE PUBLIC! ✦

It has been a wonderful 2.5 years working alongside the community with this Molokai Climate Change and Sea Level Rise Adaptation and Resiliency Plan.

On behalf of the CCSLAR team, we are coming back to the community to premier the documentary film, share about the final plan & to MAHALO for all your hard work, sharing of their mana'o, and being apart of each step throughout this community driven and community led plan!



**FEBRUARY 8, 2024
(THURSDAY)
5PM - 7PM**

**MOLOKAI COMMUNITY
HEALTH CENTER (MCHC)**
Conference room/back patio

FREE FOOD & SHAVE ICE

FOR MORE INFO,
SCAN THE QR CODE



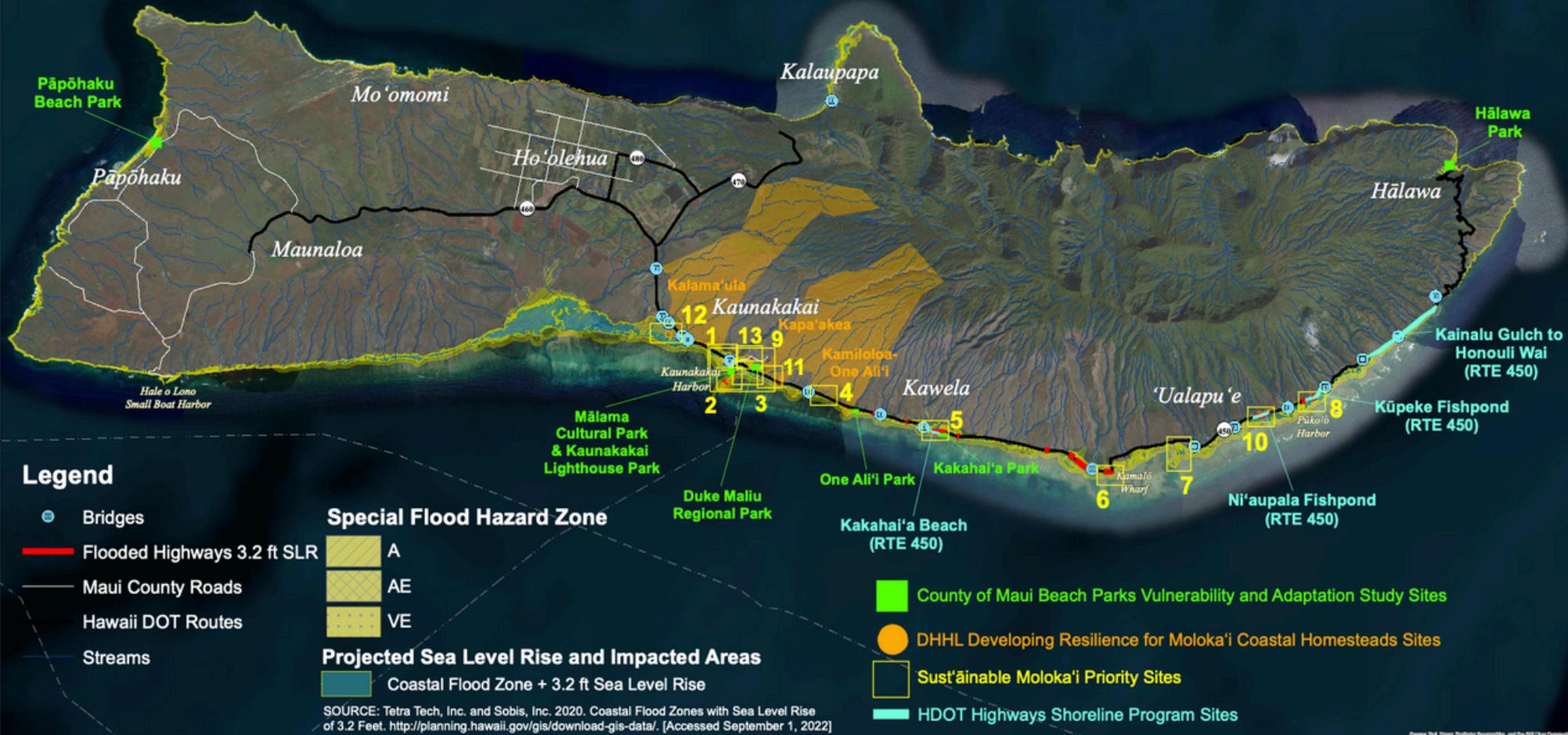
Community Chosen Priority Locations

1. Kaunakakai Wastewater Reclamation Facility
2. Kaunakakai Wharf
3. Maunaloa Highway / Kamemahema V Highway
4. Coastal Business Example - South Shore, Oceanfront
5. Coastal Residential Example - South Shore, Oceanfront
6. Kakahai'a Park and Beach Park (Rice Patch)
7. Kamalō Wharf
8. Roadway to 'Aina to Keawanui Fishpond Relationship
9. Roadway Fronting Ni'aupala Fishpond (Near 7 Sorrows Church)
10. East Shore Ocean Front - Puko'o
11. Kapa'akea Cemetery
12. Kalama'ula Dump / 'Ohia Pilo
13. Brownfield (MECO old site; currently Ross)



Sust'ainable Moloka'i Priority Sites

- | | | |
|---|--|--|
| 1. Kaunakakai Wastewater Reclamation Facility | 6. Kamalō: Wharf, Roadway, & Wetland Area | 10. Roadway Section #2: Our Lady of Seven Sorrows Catholic Church/Ni'aupala Fishpond |
| 2. Kaunakakai Wharf | 7. Keawanui Fishpond | 11. Kapa'akea Cemetery |
| 3. South Shore: Coastal Business Example | 8. East Shore Residential & Business Example: Pūko'o | 12. Kalama'ula Landfill/'Ōhi'apilo |
| 4. South Shore: Coastal Residential Example | 9. Roadway Section #1: Kaunakakai | 13. Brownfield (MECO old site; currently Ross) |
| 5. Kakahai'a Park | | |



Legend

- | | | |
|-----------------------------|--|---|
| Bridges | Special Flood Hazard Zone | County of Maui Beach Parks Vulnerability and Adaptation Study Sites |
| Flooded Highways 3.2 ft SLR | A | DHHL Developing Resilience for Moloka'i Coastal Homesteads Sites |
| Maui County Roads | AE | Sust'ainable Moloka'i Priority Sites |
| Hawaii DOT Routes | VE | HDOT Highways Shoreline Program Sites |
| Streams | Projected Sea Level Rise and Impacted Areas | |
| | Coastal Flood Zone + 3.2 ft Sea Level Rise | |

SOURCE: Tetra Tech, Inc. and Sobis, Inc. 2020. Coastal Flood Zones with Sea Level Rise of 3.2 Feet. <http://planning.hawaii.gov/gis/download-gis-data/>. [Accessed September 1, 2022]

MOLOKA'I CLIMATE CHANGE AND SEA LEVEL RISE ADAPTATION AND RESILIENCY MASTER PLAN

Sea Level Rise Sites by Agency

October 2023

