



HAWAIIAN HOME LANDS

HAWAIIAN HOMES COMMISSION • DEPARTMENT OF HAWAIIAN HOME LANDS

DRAFT Moloka'i Coastal Homesteads Community Resilience Plan

January 7, 2026



Community Resilience Plan

- ❖ This project is funded through the National Fish and Wildlife Foundation (NFWF) National Coastal Resilience Fund (NCRF).
- ❖ This stage funds a Resiliency Plan with nature-based solutions that provide Community Resilience and Fish and Wildlife benefits.
- ❖ On completion of the MCH-CRP Plan, DHHL could apply for more funding for future phases



Phase 1
Community Capacity
Building & Planning

Phase 2
Site Assessment &
Preliminary Design

Phase 3
Final Design
& Permitting

Phase 4
Restoration
Implementation



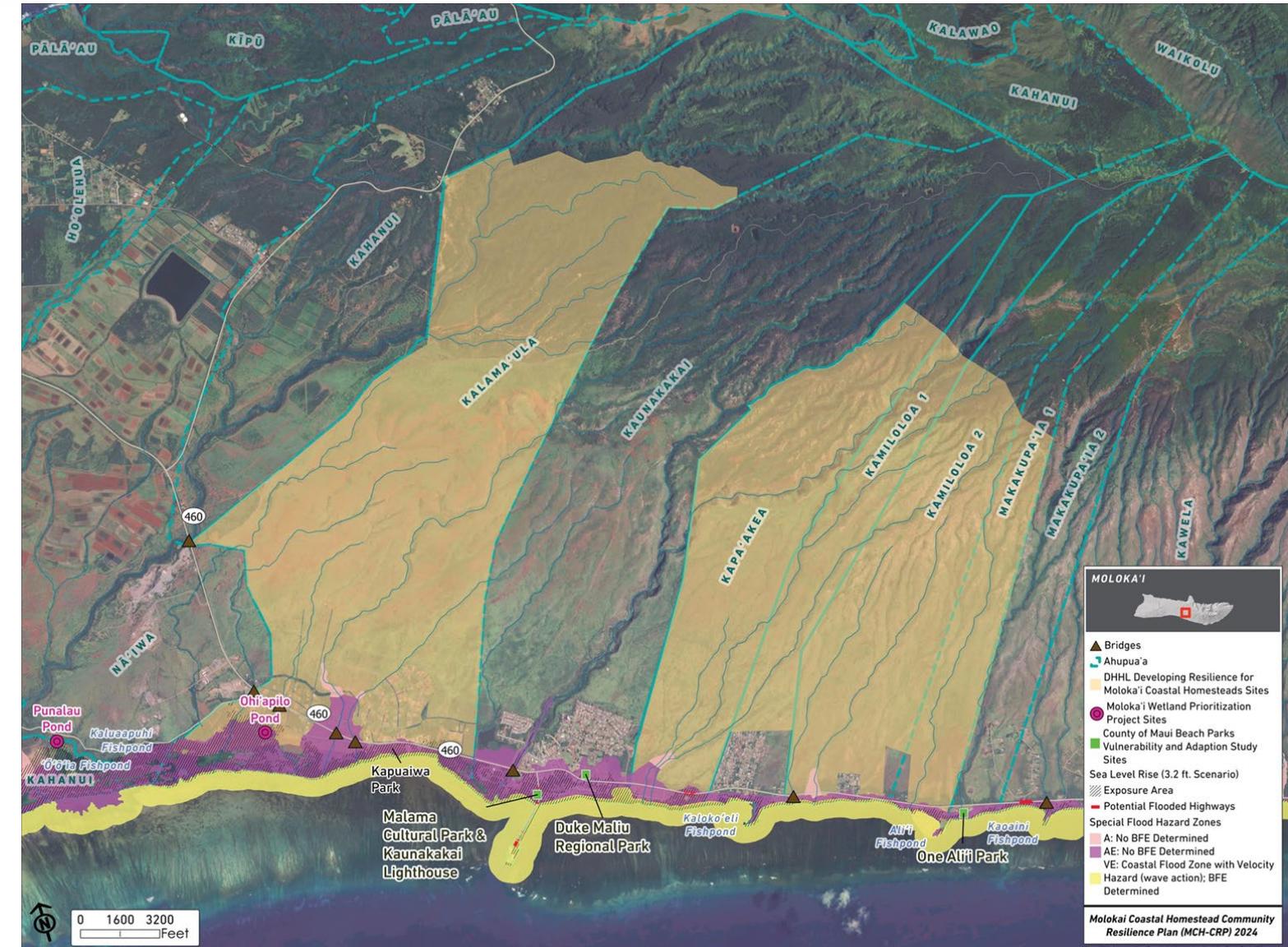
Relationship to DHHL Planning System

- **DHHL General Plan (2022)**
- **DHHL Moloka‘i Regional Plan (2020) – update soon**
- **Malama Cultural Park Special Area Plan (2022)**
- **South Molokai Shoreline Erosion Management Plan (2022)**
- **DHHL Moloka‘i Island Plan Update (2026 – 2027)**
- **DHHL Disaster & Climate Risk Reduction Plan (2026 – 2027)**

Planning Process

- ❖ Lessees were requesting assistance in dealing with coastal erosion & flooding
- ❖ Building on prior efforts like 2022 South Moloka‘i Shoreline Erosion Management Plan & 2015 Coastal Resilience for DHHL Communities Practicum Report
- ❖ Technical analysis of homestead assets, hazards, & vulnerabilities
- ❖ Multiple meetings & workshops held with beneficiaries to discuss issues & explore mitigation options
- ❖ Consultation with technical experts
- ❖ Huaka‘i with beneficiaries
- ❖ Five Resilience Goals identified to build resilience (36 total strategies)

1/7/2026

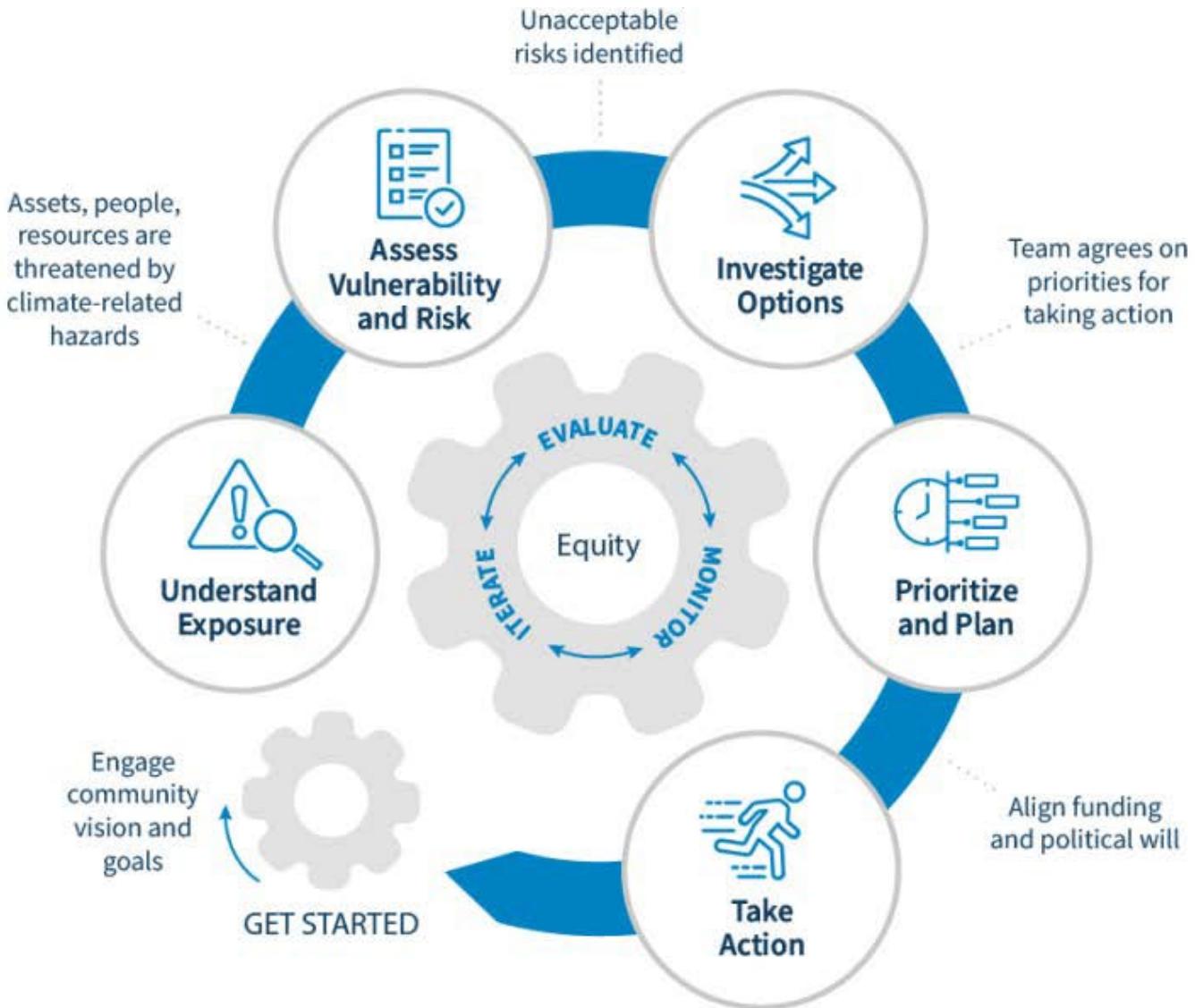




Resilience Planning Framework

Grounding technical data in deep, generational knowledge of place, culture, and history, beneficiaries of the MCH-CRP planning process have:

1. Identified assets -- natural, cultural, social, & infrastructural resources that strengthen the community
2. Identified hazards -- environmental & climate-related threats facing homesteads
3. Assessed vulnerabilities -- understanding where people, places, & systems are most at risk
4. Determined risks — prioritizing which issues require the most urgent attention.
5. Identified and prioritized resilience strategies – including actionable implementation pathways





What Does Resilience Mean to You?

RESILIENCE

the capacity to withstand or to recover quickly from difficulties; toughness.



Holu: Springy, pliable, resilient, as a mattress; to sway, as palm fronds; to ripple, as waves; to play back and forth; bumpy, as an airplane ride.

Ho'omau: Always, steady, constant, ever, unceasing, permanent, stationary, continual, perpetual; to continue, persevere, preserve, endure, last; preservation, continuation.

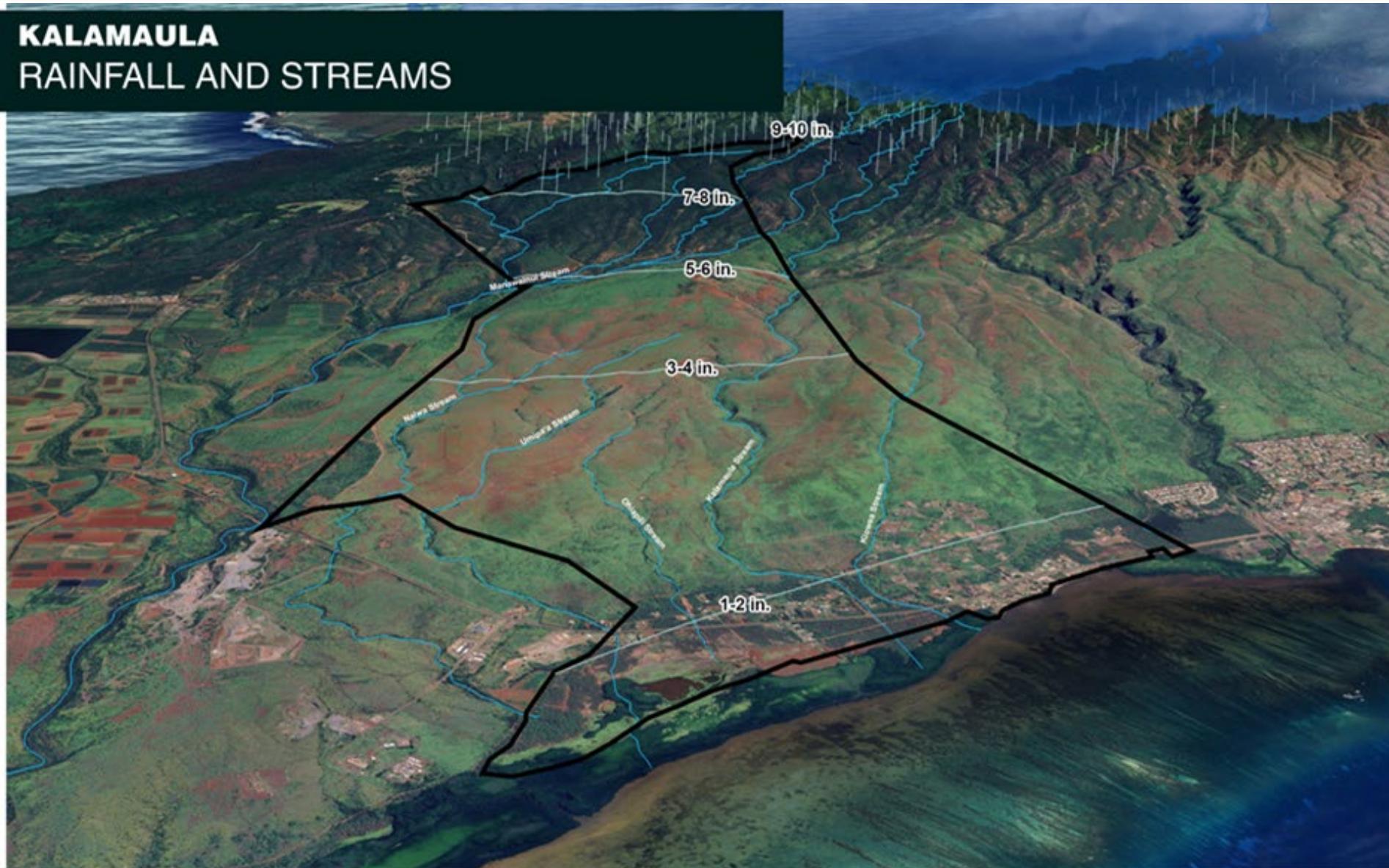
Kūpa'a: Steadfast, firm, constant, immovable; loyal, faithful; determined; loyalty, allegiance, firmness.



Technical Analysis

KALAMAULA

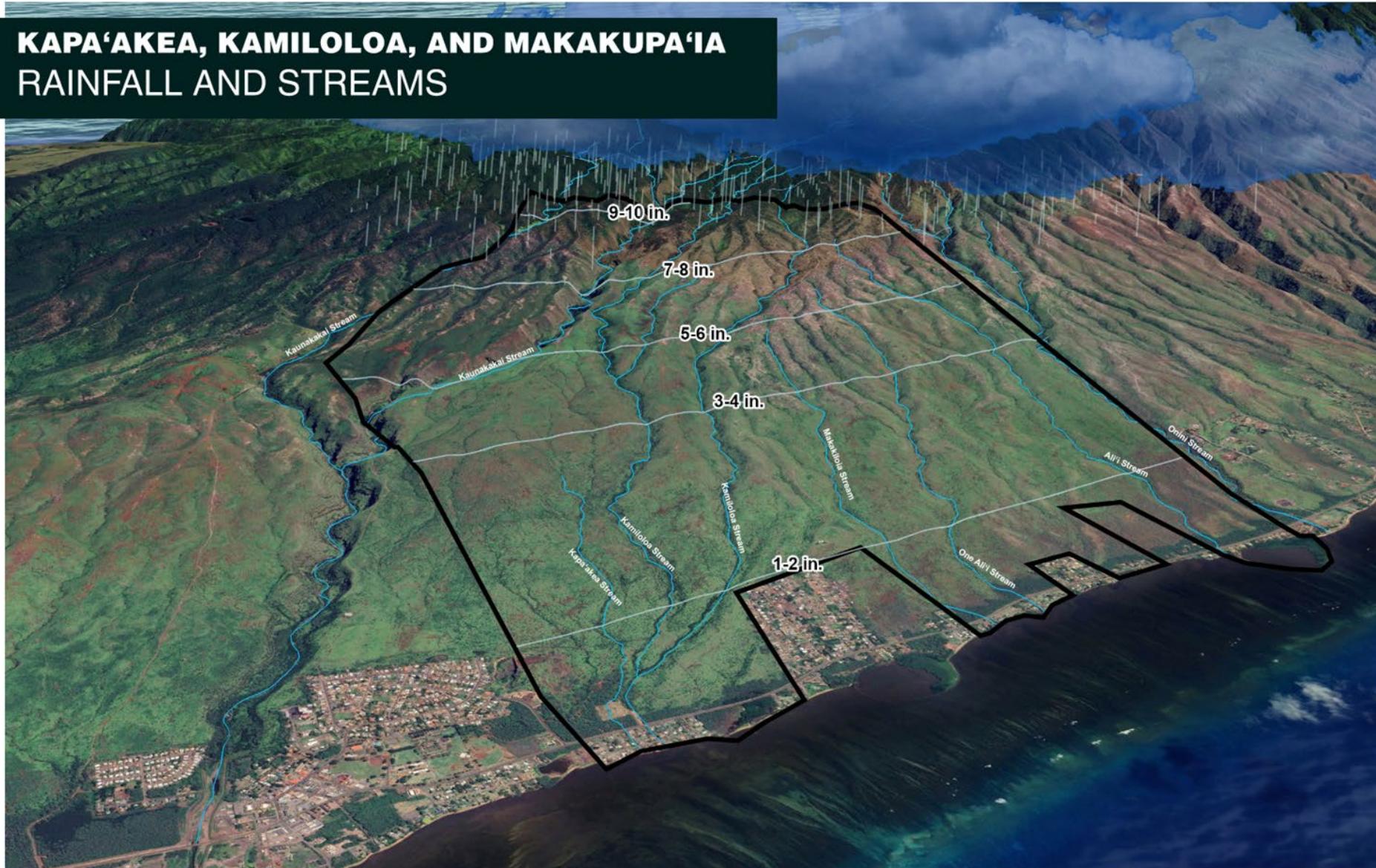
RAINFALL AND STREAMS



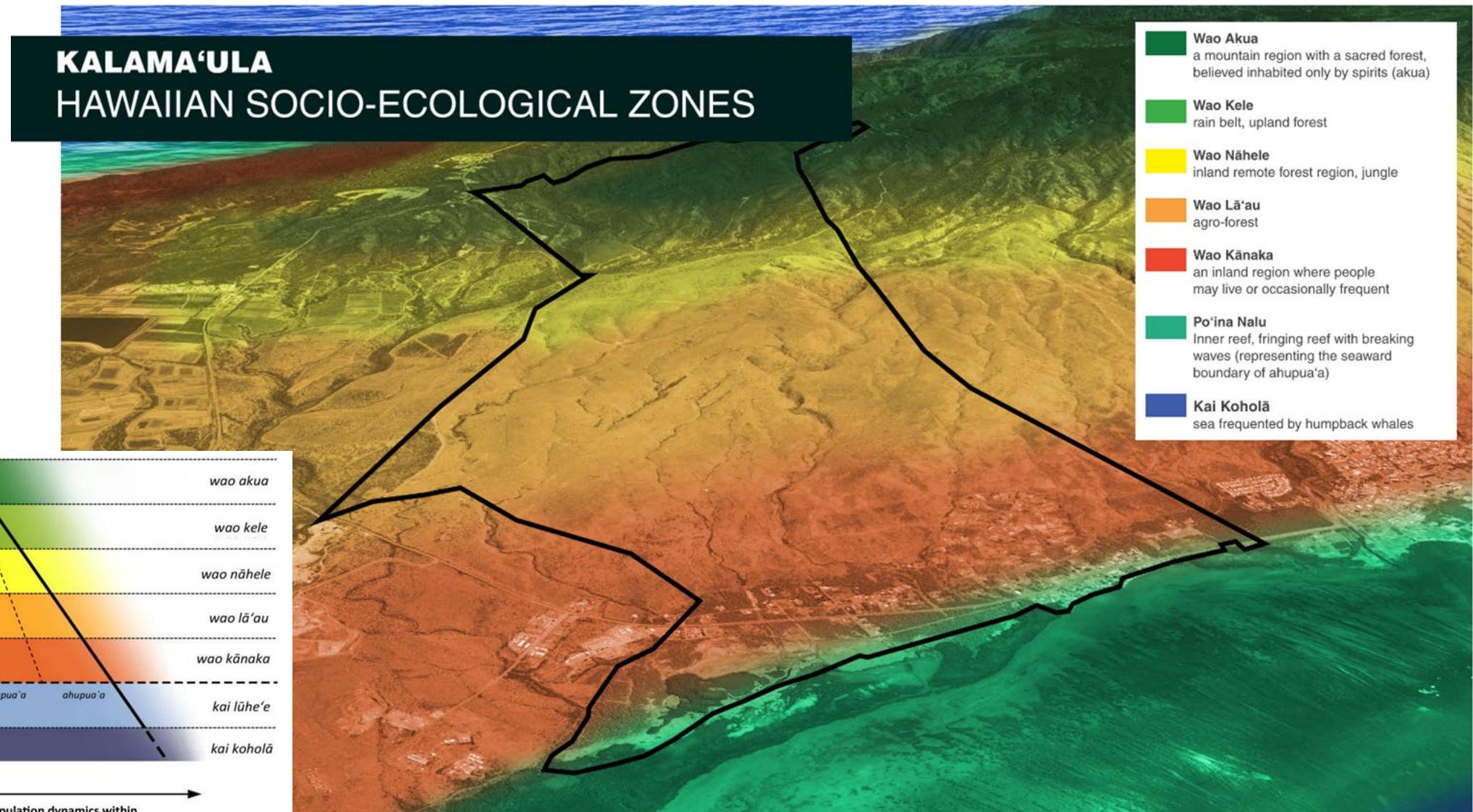


Technical Analysis

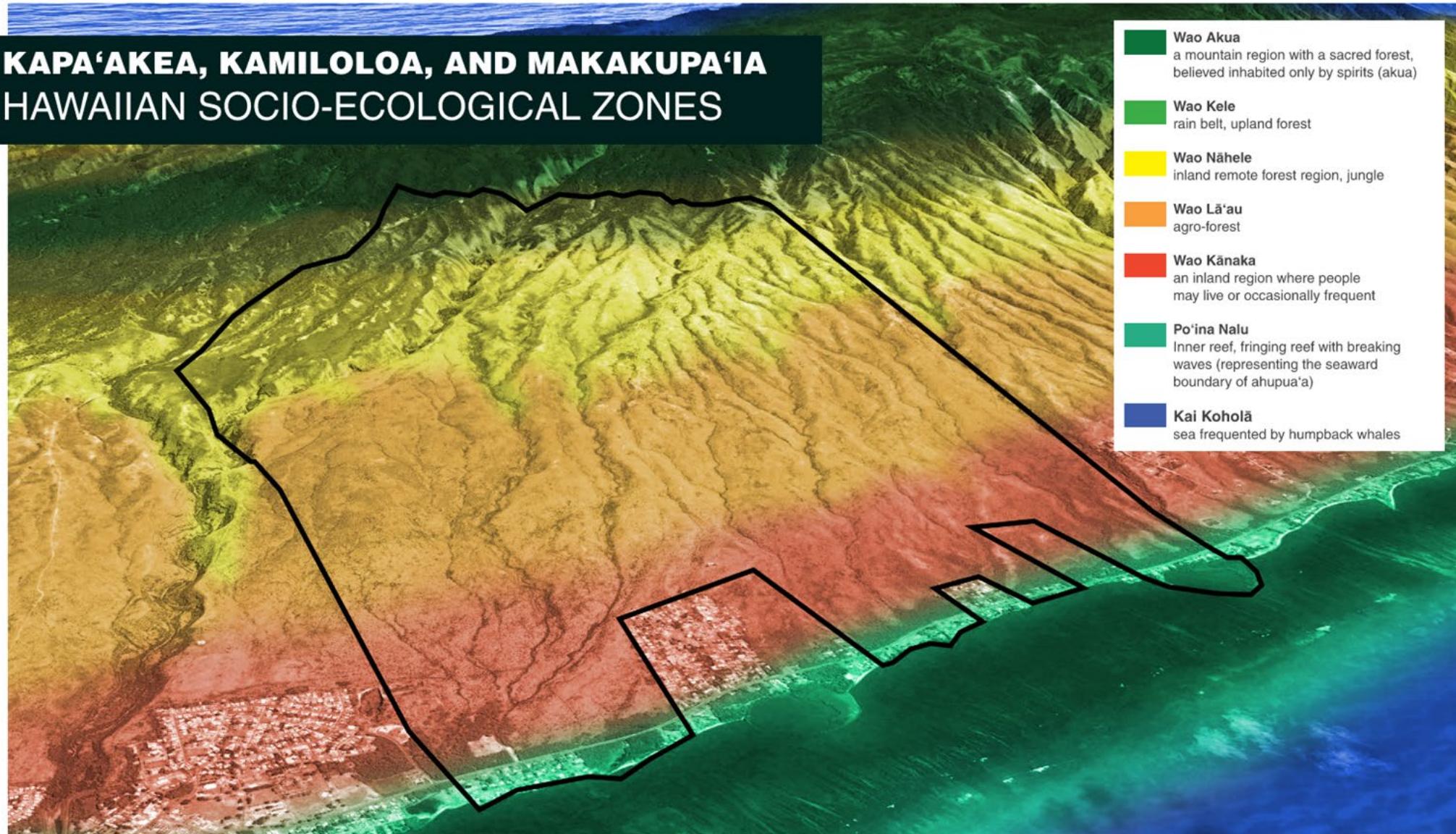
KAPA'AKEA, KAMILOLOA, AND MAKAKUPA'IA RAINFALL AND STREAMS



Incorporating TEK



Incorporating TEK





Outreach Summary

- 3.25.24 Initial meeting with Kalama'ula, Kapa'akea, and Kamiloloa One Ali'i Association presidents and representatives to introduce the MCH-CRP
- 4.22.24 DHHL HHC Meeting to Introduce MCH-CRP
- 4.25.24 1 on 1 interview/talk story session with Kapa'akea Oceanside resident
- 4.25.24 Planning Hui Meeting #1 (Planning Hui includes representatives from all three ahupua'a)
- 4.26.24 1 on 1 interview/talk story sessions with Kapa'akea shoreline residents
- 5.08.24 Planning Hui Meeting #2
- 5.13.24 Beneficiary Meeting #1: Introduction to MCH-CRP**
- 6.12.24 Kapa'akea Homestead Assoc. Meeting
- 6.17.24 MCH-CRP Planning Hui Meeting #3
- 6.18.24 Kalama'ula Homestead Assoc. Meeting
- 6.20.24 Beneficiary Meeting #2: What are the problems & opportunities?**





Outreach Summary Cont.

7.20.24 Planning Hui Meeting #4

8.08.24 Kalama'ula & Kamiloloa Huaka'i

**8.08.24 Beneficiary Meeting #3:
Explore resilience building options**

8.26.24 Large Landowners & ROE/Lease Meeting

8.27.24 Molokai DHHL Staff

9.26.24 Expert Technical Advisor Meeting

10.19.24 Kalama'ula & Kamiloloa Huaka'i

11.13.24 Expert Meeting with DOT

12.02.24 Expert Meeting (Debra Kelly NRCS)

12.05.24 'Ohi'apilo Wetland Huaka'i with Beneficiaries

12.11.24 Expert Meeting (TNC)

12.18.24 Expert Meeting (DLNR Lance DeSilva)

01.14.25 Attend/Present at Kalama'ula Homestead Association Meeting

02.14.25 Huaka'i Mauka & Makai Kalama'ula

04.08.25 Kapa'akea & Kamiloloa Beneficiary Meeting #4

04.16.25 Kalama'ula Beneficiary Meeting #4

04.21.25 Hawaiian Homes Commission Meeting on Moloka'i – Informational Briefing

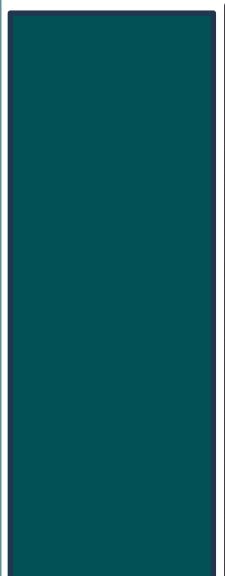
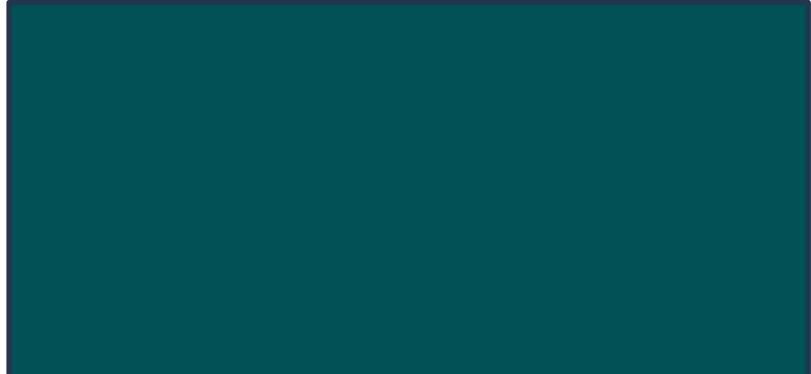
11.17.25 Hawaiian Homes Commission Meeting on Moloka'i – Summary Report

12.15.25 Homestead Board Meetings to Confirm Priority Projects





Huaka'i



1/7/2026

13



Huaka'i



1/7/2026



14



Huaka'i



1/7/2026



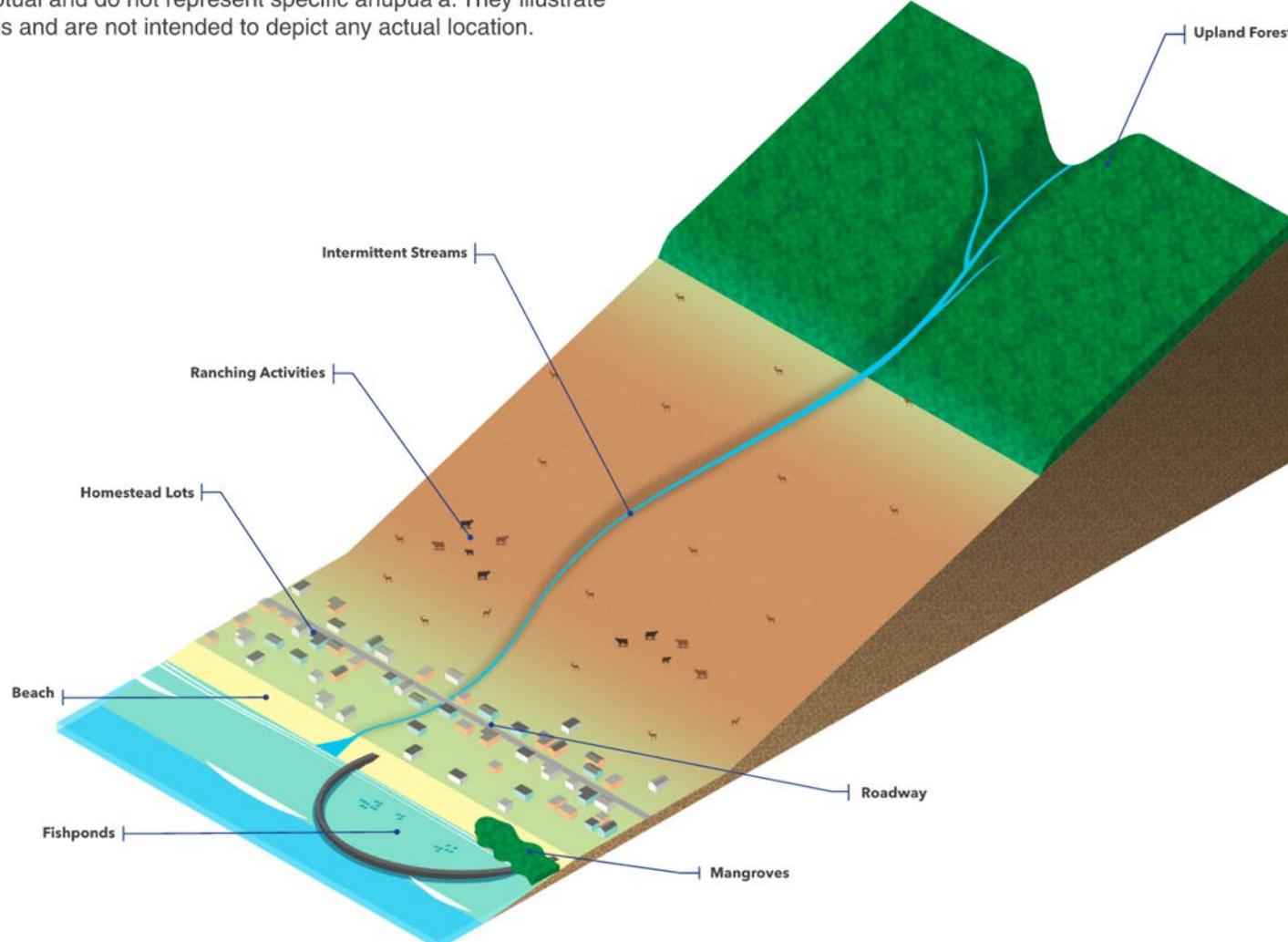
15



Conceptual Renderings

EXISTING CONDITIONS

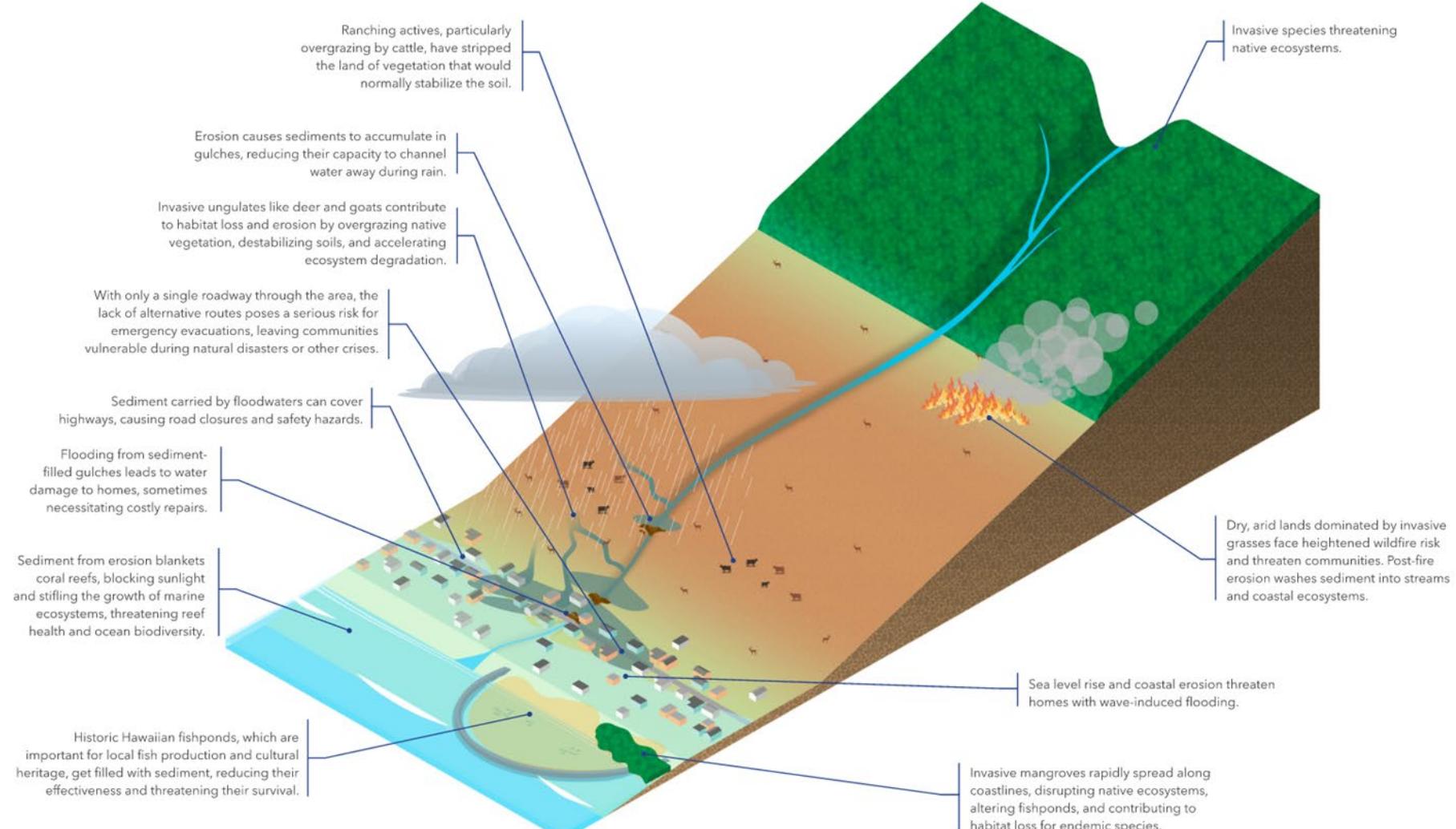
All figures are conceptual and do not represent specific ahupua'a. They illustrate generalized conditions and are not intended to depict any actual location.





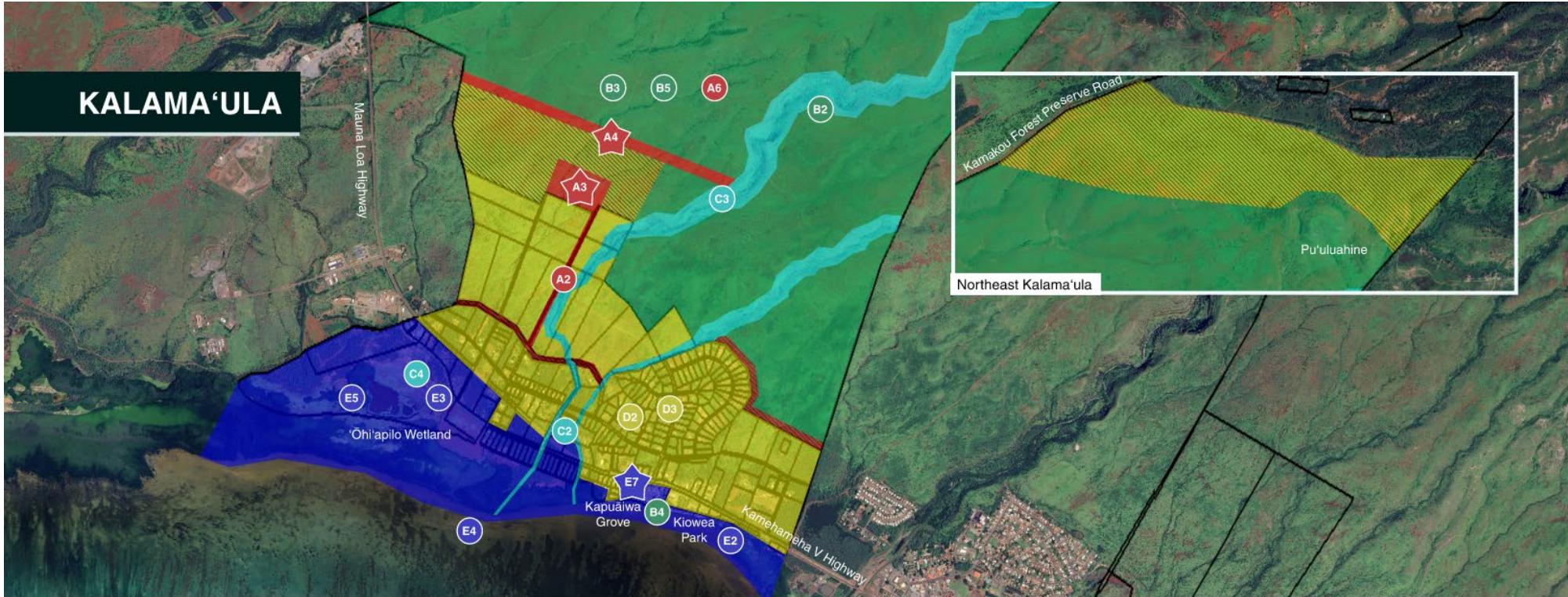
Conceptual Renderings

CHALLENGES





Priority Project Area Maps



A	Emergency Evacuation and Public Safety
A1	Create a Pre-Disaster Emergency Response and Evacuation Plan*
A2	Develop and Maintain Emergency Evacuation Routes
A3	Develop Resilience Hubs or Evacuation Sites
A4	Fire Break Construction and Maintenance
A5	Event Reporting and Documentation System*
A6	Install Wildfire Detection Cameras

B	Mauka Restoration
B1	Develop Mauka Restoration and Maintenance Plan*
B2	Implement Kipuka Waihona Concept
B3	Reduce Fuel Loads
B4	Expand Plant and Food Nursery
B5	Feral Animal Management Program

C	Water Flow Maintenance and Flood Prevention
C1	Develop a Drainage Master Plan*
C2	Green-Grey Drainage Improvements and Maintenance Program
C3	Watershed Participatory Mapping Workshops
C4	Restore Springs

D	Residential Hale Retrofits and Relocation
D1	Conduct Vulnerability Assessments Survey*
D2	Adapt Structures and Systems to Better Withstand Coastal Hazards
D3	Maintain Home Ignition Zones

E	Makai Restoration
E1	Develop a Makai Restoration and Management Plan*
E2	Implement Nature-Based Coastal Protection Projects
E3	Invasive Species Removal and Management
E4	Marine Ecosystem Restoration
E5	Restore Oh'apilo Wetland
E7	Maintain Kapuāiwa Coconut Grove and Kiowa Park



Priority Project Area Maps



A Emergency Evacuation and Public Safety

- A1 Create a Pre-Disaster Emergency Response and Evacuation Plan*
- A2 Develop and Maintain Emergency Evacuation Routes
- A3 Develop Resilience Hubs or Evacuation Sites
- A4 Fire Break Construction and Maintenance
- A5 Event Reporting and Documentation System*
- A6 Install Wildfire Detection Cameras

B Mauka Restoration

- B1 Develop Mauka Restoration and Maintenance Plan*
- B2 Implement Kipuka Waihona Concept
- B3 Reduce Fuel Loads
- B4 Expand Plant and Food Nursery
- B5 Feral Animal Management Program

C Water Flow Maintenance and Flood Prevention

- C1 Develop a Drainage Master Plan*
- C2 Green-Grey Drainage Improvements and Maintenance Program
- C3 Watershed Participatory Mapping Workshops
- C4 Restore Springs

D Residential Hale Retrofits and Relocation

- D1 Conduct Vulnerability Assessments Survey*
- D2 Adapt Structures and Systems to Better Withstand Coastal Hazards
- D3 Maintain Home Ignition Zones

E Makai Restoration

- E1 Develop a Makai Restoration and Management Plan*
- E2 Implement Nature-Based Coastal Protection Projects
- E3 Invasive Species Removal and Management
- E4 Marine Ecosystem Restoration
- E5 Restore Ohi'aipilo Wetland
- E7 Maintain Kapuāiwa Coconut Grove and Kiowa Park

* A1, B1, plans, etc. are not located on the map because they are full ahupua'a focused plans

* Strategies are non-spatial in nature and represent actions that apply broadly across the entire ahupua'a or community.



Priority Project Area Maps



A	Emergency Evacuation and Public Safety
A1	Create a Pre-Disaster Emergency Response and Evacuation Plan*
A2	Develop and Maintain Emergency Evacuation Routes
A3	Develop Resilience Hubs or Evacuation Sites
A4	Fire Break Construction and Maintenance
A5	Event Reporting and Documentation System*
A6	Install Wildfire Detection Cameras

B	Mauka Restoration
B1	Develop Mauka Restoration and Maintenance Plan*
B2	Implement Kipuka Waihona Concept
B3	Reduce Fuel Loads
B4	Expand Plant and Food Nursery
B5	Feral Animal Management Program

C	Water Flow Maintenance and Flood Prevention
C1	Develop a Drainage Master Plan*
C2	Green-Grey Drainage Improvements and Maintenance Program
C3	Watershed Participatory Mapping Workshops
C4	Restore Springs

D	Residential Hale Retrofits and Relocation
D1	Conduct Vulnerability Assessments Survey*
D2	Adapt Structures and Systems to Better Withstand Coastal Hazards
D3	Maintain Home Ignition Zones

E	Makai Restoration
E1	Develop a Makai Restoration and Management Plan*
E2	Implement Nature-Based Coastal Protection Projects
E3	Invasive Species Removal and Management
E4	Marine Ecosystem Restoration
E5	Restore Ohia'apilo Wetland
E6	Maintain Kapuāwia Coconut Grove and Kiowa Park

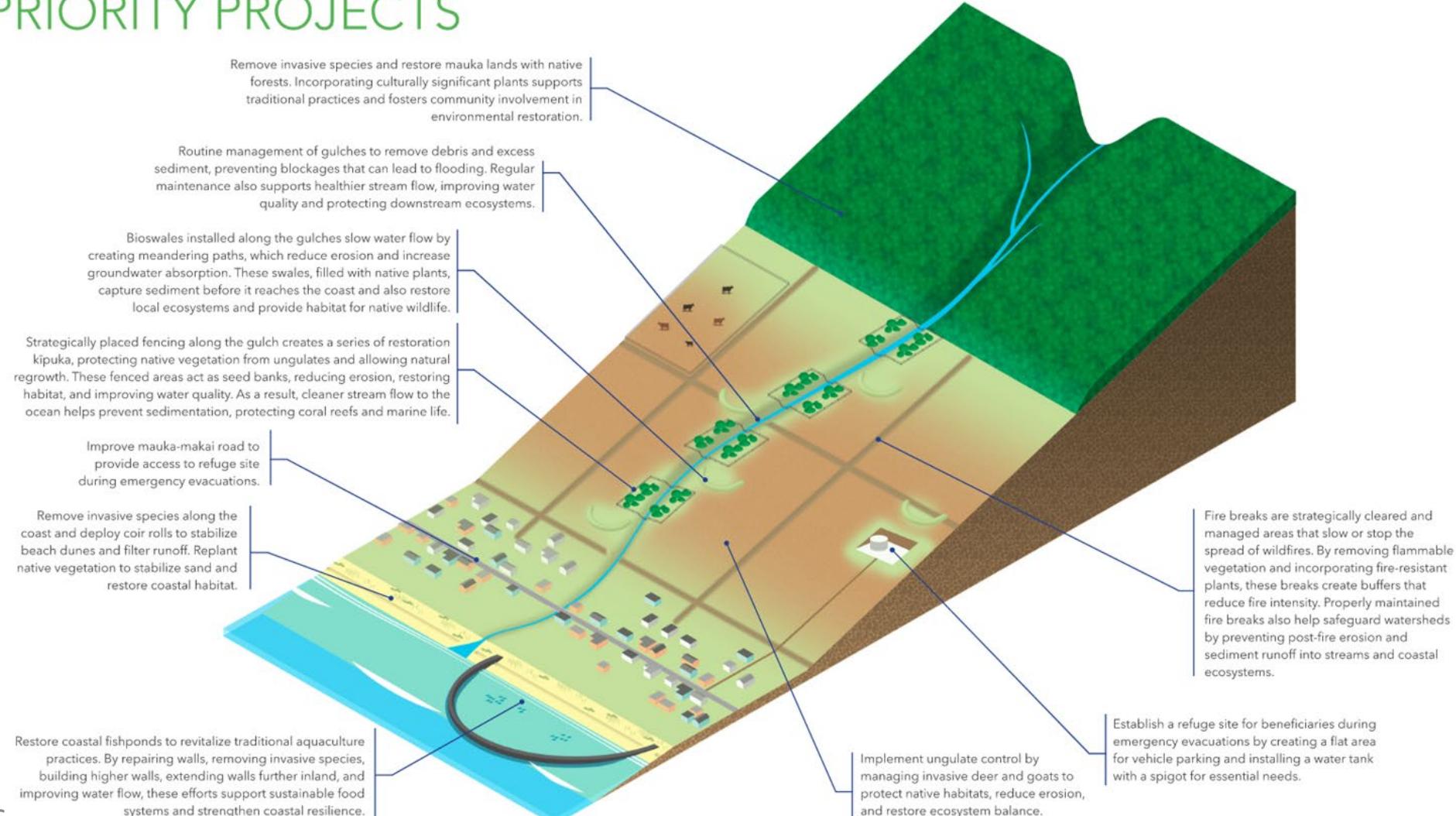
* A1, B1, plans, etc. are not located on the map because they are full ahupua'a focused plans
Moloka'i Coastal Homesteads Community Resilience Plan

* Strategies are non-spatial in nature and represent actions that apply broadly across the entire ahupua'a or community.



Conceptual - Priority Projects

EXAMPLES OF POTENTIAL PRIORITY PROJECTS





Resilience Strategy Implementation Matrix

Resilience Goals	Resilience Strategy/ Project Name	Tier 1: Site Assessment and Preliminary Design	Tier 2: Detailed Design and Permitting	Tier 3: Implementation	Kalama'ula Priority Project	Kapa'akea Priority Project	Kamiloloa Priority Project	Notes
B: Mauka Restoration	B1: Develop Mauka Restoration & Maintenance Plan	LiDAR and aerial mapping; TEK integration; AIS/biological studies; erosion and vegetation assessment; preliminary zone mapping; early fire management concepts; engineering studies	Draft and final mauka restoration master plan, Engineering for fencing/irrigation; species prescriptions; fire suppression design; phasing plan; historic preservation / biological reviews; workforce plan; cost estimates; monitoring protocols	B2 and B3	3	3	2	
	B2: Implement Kipuka Waihona Concept	B1*	Land dispositions, permits and approvals; workforce development	Procure equipment and materials; invasive species removal; fencing installation; native planting; erosion control; micro-reservoirs; workforce employment; monitoring; education				*B1 fulfills B2 Tier 1
	B3: Reduce Fuel Loads	B1*	Land dispositions, permits and approvals; workforce development	Procure equipment and materials; mechanical clearing; cultural/ prescribed burns; native replanting; erosion control; workforce deployment; monitoring & adaptive management				*B1 fulfills B3 Tier 1
	B4: Expand Plant and Food Nursery		Assess existing Kalama'ula nursery; identify species needs; conceptual layout; site evaluation; workforce and training needs	Update land disposition; develop engineered expansion plans; finalize propagation program; environmental review; design training program; prepare construction documents; permits and approvals; workforce development	Construct nursery upgrades; increase plant production; launch training programs; run community workshops; maintain and adapt operations; support B2, C4, D3, E2, and E3 actions			
	B5: Feral Animal Management Program		Population mapping; impact assessment; TEK integration; conceptual strategies; access/safety assessment; community outreach; regulatory and workforce planning	Land dispositions, develop management plan; identify partners and incentives; fencing designs; environmental/cultural review; safety protocols; training curriculum; monitoring plan; detailed budget & phasing	Procure equipment and materials, selective culling / controlled hunting; fence construction; ongoing monitoring; workforce deployment			



Next Steps

- ❖ **Beneficiary Review of Draft**
 - **In Person – Open House (today)**
 - **Online (dhhl.planning@hawaii.gov)**
 - **Hard Copies at District Office**
- ❖ **Comments due by January 31**
- ❖ **Revise Draft based on beneficiary feedback and seek HHC Approval of Final MCH-CRP (Tentative February 2026)**
- ❖ **Seek funding for implementation in 2026 (NFWF / Act 96)**



Q&A and Comments

dhhl.planning@hawaii.gov

Mahalo

