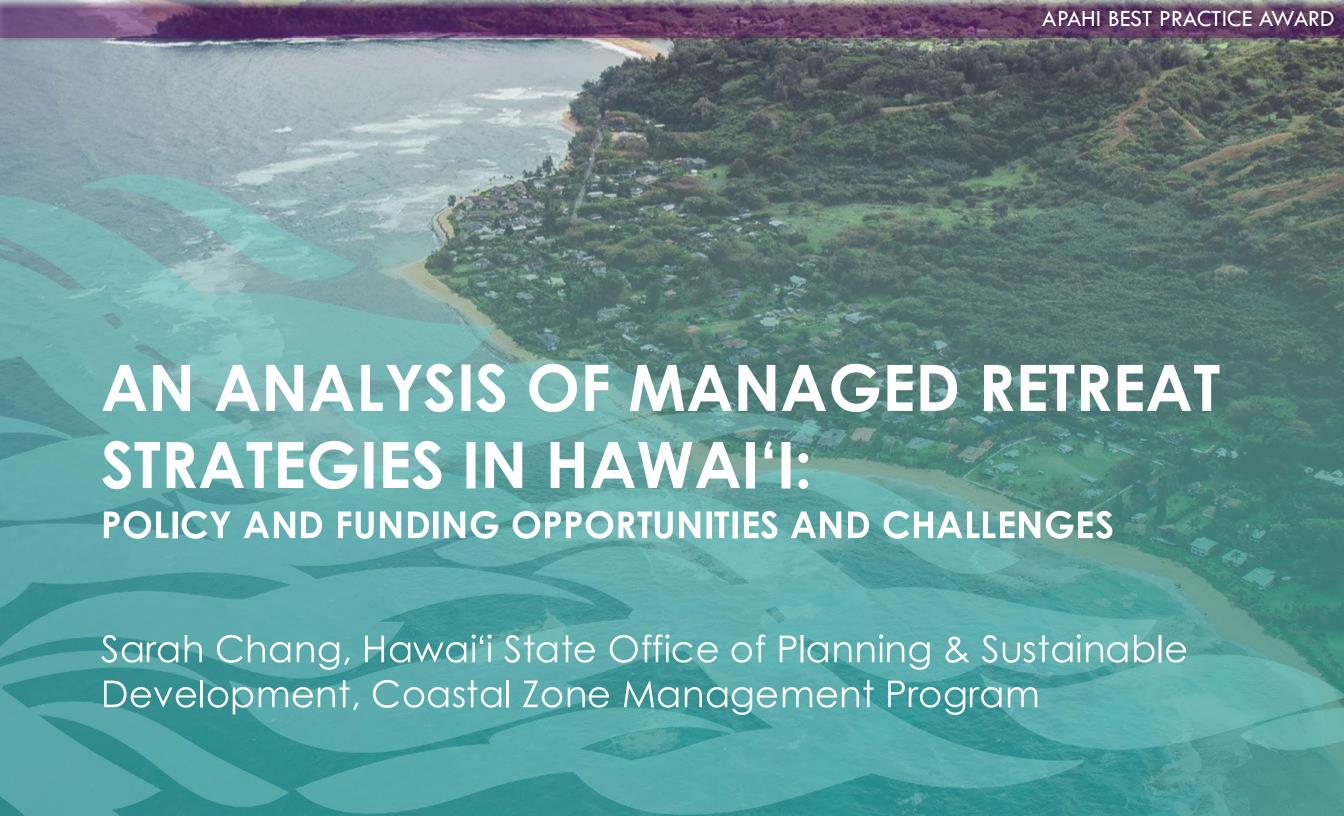
2025 APA HAWAII AWARDS PROGRAM

HCPO CONFERENCE



BEST PRACTICE



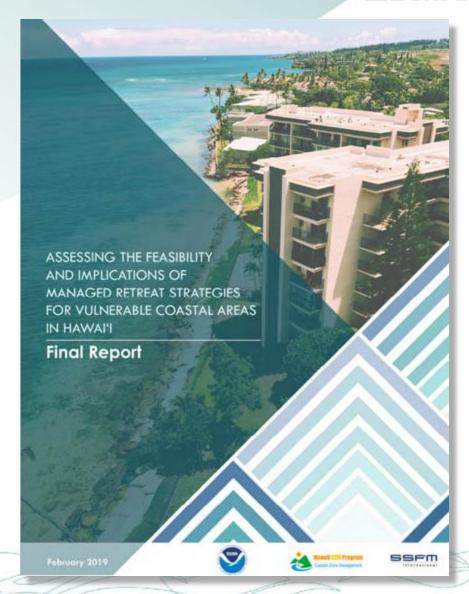
PROJECT PURPOSE

QR Code to 2019 Report



Analyze policy, legal, and financial implications of managed retreat for the State of Hawai'i and recommend strategies and solutions to implement managed retreat as part of the state's overall climate adaptation strategy.

Managed retreat is defined as an intentional process to shift development away from areas exposed to both chronic and catastrophic coastal hazards, and can be implemented through a variety of tools and strategies.



PROJECT OBJECTIVES

The project and its recommendations seek to uphold and advance the following objectives:

1 Preserving and restoring public trust resources

Protecting public health and safety

(3)
Mitigating the risk of coastal hazards to people and structures

Adapting to climate change impacts

Enhancing public access to coastal areas

Minimizing harm to coastal environments and nearshore waters resulting from the breakdown of structures and infrastructure

PROJECT FRAMING QUESTIONS

What policy, legal, and financial tools and strategies exist to support retreat? Which work against or limit options for retreat?

What are the benefits and tradeoffs of different retreat strategies?

Which retreat strategies are feasible and applicable for Hawai'i, and under what conditions?

What would be needed to remove barriers to implementing retreat?

How can Traditional Ecological Knowledge (TEK) inform appropriate land use planning in impacted areas?

How would managed retreat strategies interact with the case study sites?



- Disconnect between urgency of sea level rise and political will and resources to address it.
- Opportunities in Hawai'i's strong public trust doctrine, climate adaptation policy, Traditional Ecological Knowledge (TEK), and community values.
- TEK can reframe and offer insights into the design and implementation of managed retreat.
- Lack of framework and agency capacity for planning and implementation of coastal adaptation and beach management.
- Retreat decisions need to be made on a localized scale with planning, scientific/technical study, and community engagement.
- The main challenge in implementing managed retreat is moving from a piecemeal, reactive, and enforcement driven approach to a system that is proactive, holistic, transparent, equitable, and consistently implemented.



BEST PRACTICE

HONORABLE MENTION

THE MĀLAMA 'ĀINA PLAN FOR MOKU O LO'E ISLET:



A Place-Based Framework for Community Engagement, Collaboration, and Climate Adaptation

Hawai'i Institute of Marine Biology (HIMB)

University of Hawai'i Community Design Center (UHCDC) Principal Investigator:

Phoebe White, Landscape Designer and Researcher

Co-Principal Investigator:

Priyam Das, Associate Professor of Urban and Regional Planning, University of Hawai'i at Mānoa

Student Project Assistants:

Lahela Mattos Lynn Mayekawa Beau Nakamori Kaimana Tuason Jolie Wanger Hunter Wells Melissa Yoo

APA HI Chapter Awards 2025

Image Source: Bishop Museum Archives



8 CONSIDERATIONS OF PONO STEWARDSHIP

01 Moana-nui-ākea (Ocean Biome)

The integrity of everything extending from the high tide mark to the horizon as is seen from the highest vantage point on land.

02 Kahakai Pepeiao (Shoreline Ecotone)

The integrity of everything extending from the high tide mark to where the soil (lepo) begins; splash zone for crab, limu, and 'opihi; characterized by sea cliffs, coastal strand vegetation and sand dunes; nesting area for seabirds and turtles.

03 Mauka (Terrestrial Biome)

The integrity of everything extending from the point where the soil (lepo) starts to the highest point of land.

04 Nā Kumuwai (Freshwater Sources)

The integrity of all sources of freshwater – groundwater, rivers, streams, springs, including springs along the coastline that mix with seawater.

05 Ka Lewalani (Atmosphere)

The integrity of everything that is above the land – the sky, the clouds, the winds, the birds, the rains, and the rainbows.

06 Kānaka Hōnua (Sustainability)

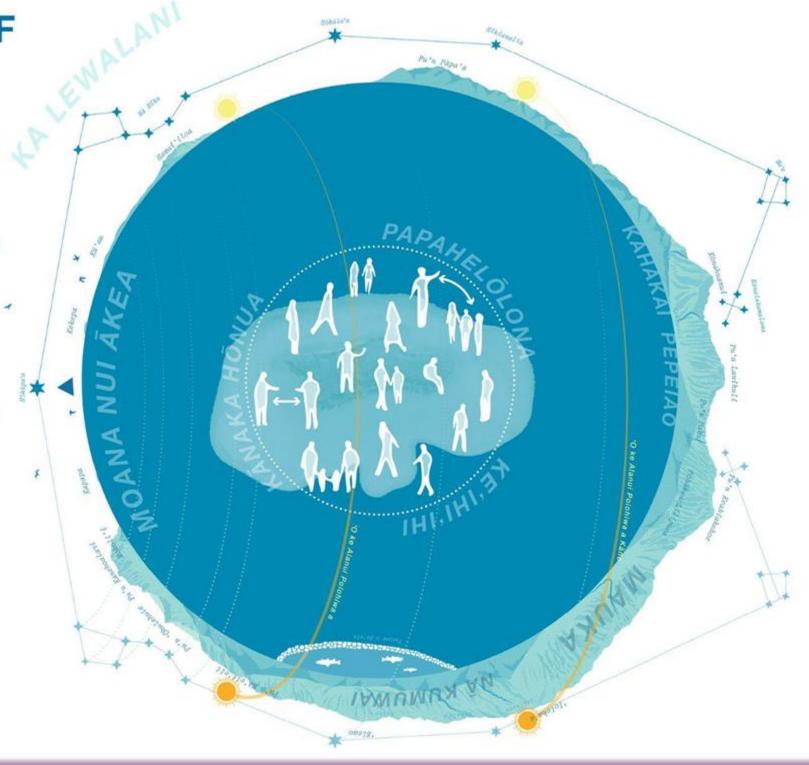
Providing for the needs of the people.

07 Papahelolona (Indigenous Knowledge Systems)

Maintaining the Indigenous Knowledge system anciently stewarded by kahuna (e.g., history, healing, astronomy, civil engineering and infrastructure, vessel construction, etc.).

08 Ke'ihi'ihi (Spirit of Place)

Caring for that which maintains the pono in the land (e.g., sacred places and practices).



01 ARCHIVAL + FIELD RESEARCH



based

refine on feed

02 ENGAGEMENT WORKSHOPS



03 DESIGN + FEEDBACK



04 FINAL MĀLAMA 'ĀINA PLAN

GOALS:

- Establish a common + accessible knowledge of Moku o Lo'e, HIMB, and the goals of the HIMB 2023 Strategic Plan
- . Form Working Groups

MILESTONES:

- 01.30.2023-01.31.2023 HIMB Strategic Planning Sessions 01 and 02
- 06.13.2023 Site Visit: Facilities
- 06.17.2023 Site Visit: Shoreline
- . 06.18.2023 Site Visit: Vegetation
- 06.20.2023 Bishop Museum Archives Visit
- 08.15.2023 HIMB Advisory Group review of storymap materials
- 08.17.2023 Documentation of 1936 Christian Holmes Plan of Moku o Lo'e at the UHM Hamilton Library Map Collection
- 08.29.2023 Site Visit: King Tide
- 09.2023 Launch storymap website

WORKSHOP 01 LISTEN + LEARN:

- Listen and learn from working group members to inform climate adaptation strategies and stewardship approaches
- Translate common themes into design principles and spatial concept designs



DRAFT CONCEPT DESIGN:

 Develop concept design approach and options based on Workshop 01 findings



WORKSHOP 02 CO-DESIGN:

 Interactive co-designing engagement to refine concept design options

MILESTONES:

- 10.06.2023 Workshop 01, Session 01
- 10.13.2023 Workshop 01, Session 02
- 10.28-29.2023, Field School
- 11.03.2023 Workshop 01, Session 03
- 12.01.2023 Workshop 02

GOALS:

- Refine and develop final concept design based on findings from workshops
- Gather input from HIMB community members and subject matter experts on final concept design

MILESTONES:

- 02.27.2024 HIMB Advisory Group reviewed draft concept design
- 03.12.2024 draft concept design submitted to HIMB community for comment
- 06.10.2024 concept design submitted to subject matter experts for feedback

GOALS:

 Create an accessible and comprehensive final Mālama
 'Āina Plan Report that contains recommendations on concept design principles, climate adaptation strategies, and stewardship programs

MILESTONES:

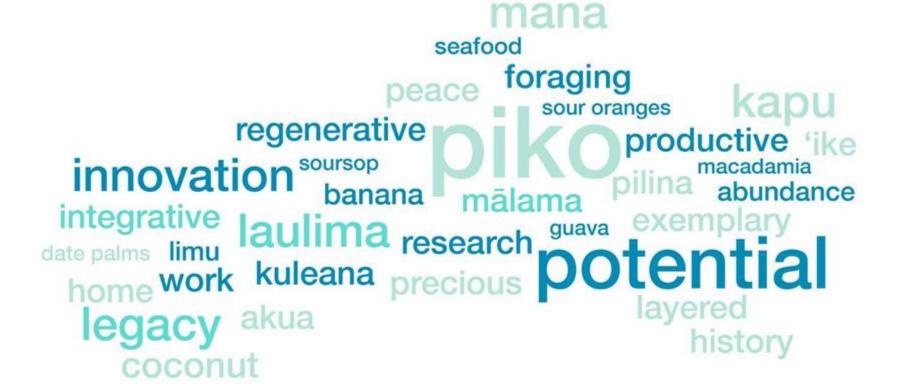
- 06.18.2024 HIMB Advisory Group reviewed draft Mālama 'Āina Plan Report
- 08.30.2024 Mālama 'Āina Plan share out with HIMB, community, and participants

SPRING - SUMMER 2023 FALL 2023 SPRING 2024 SUMMER 2024





What word comes to mind when you think of Moku o Lo'e?

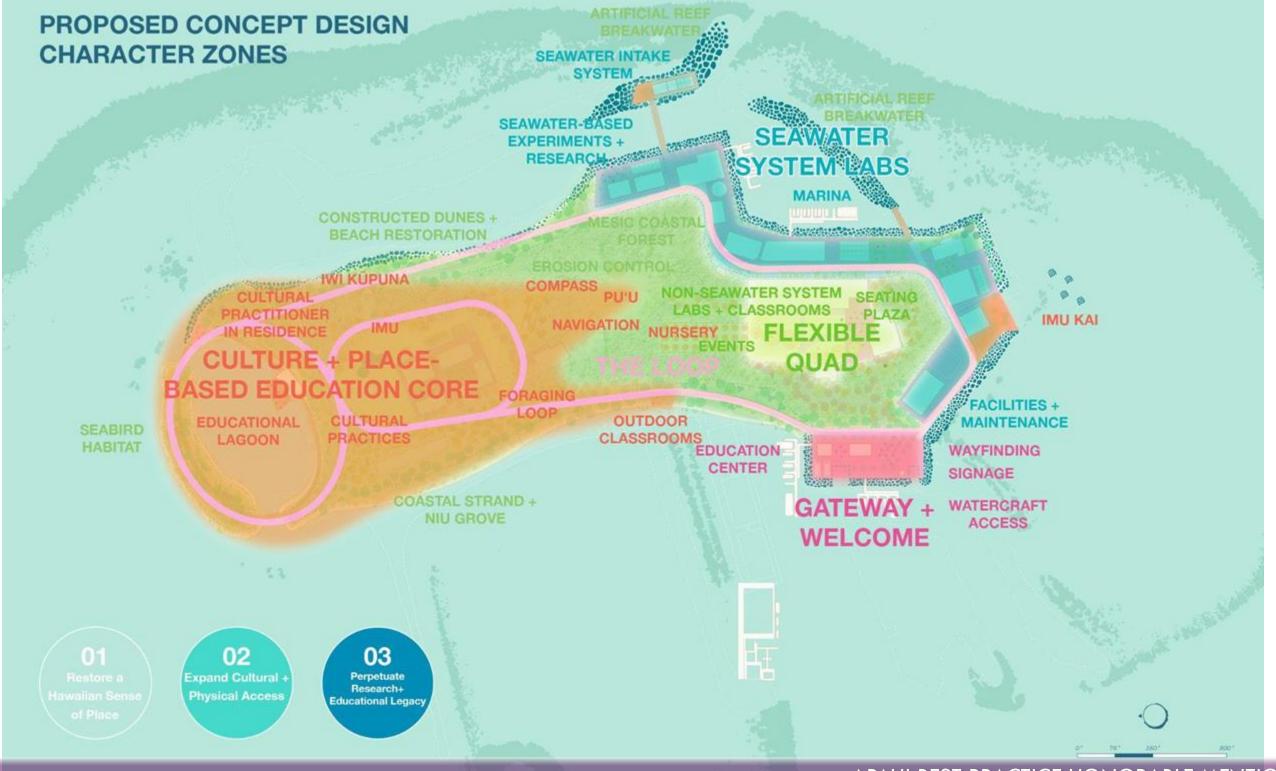


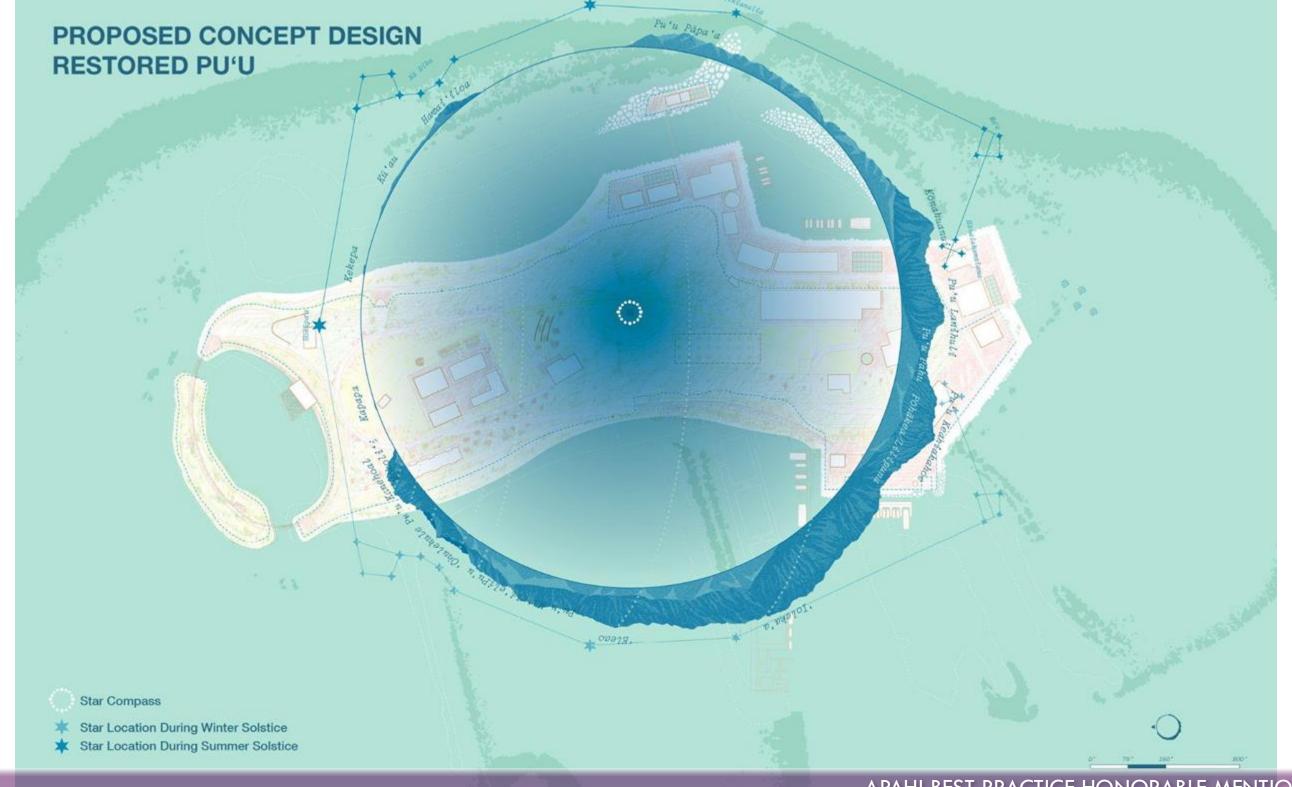
01
Restore a Hawaiian
Sense of Place

02
Expand Cultural +
Physical Access

03
Perpetuate Research +
Educational Legacy



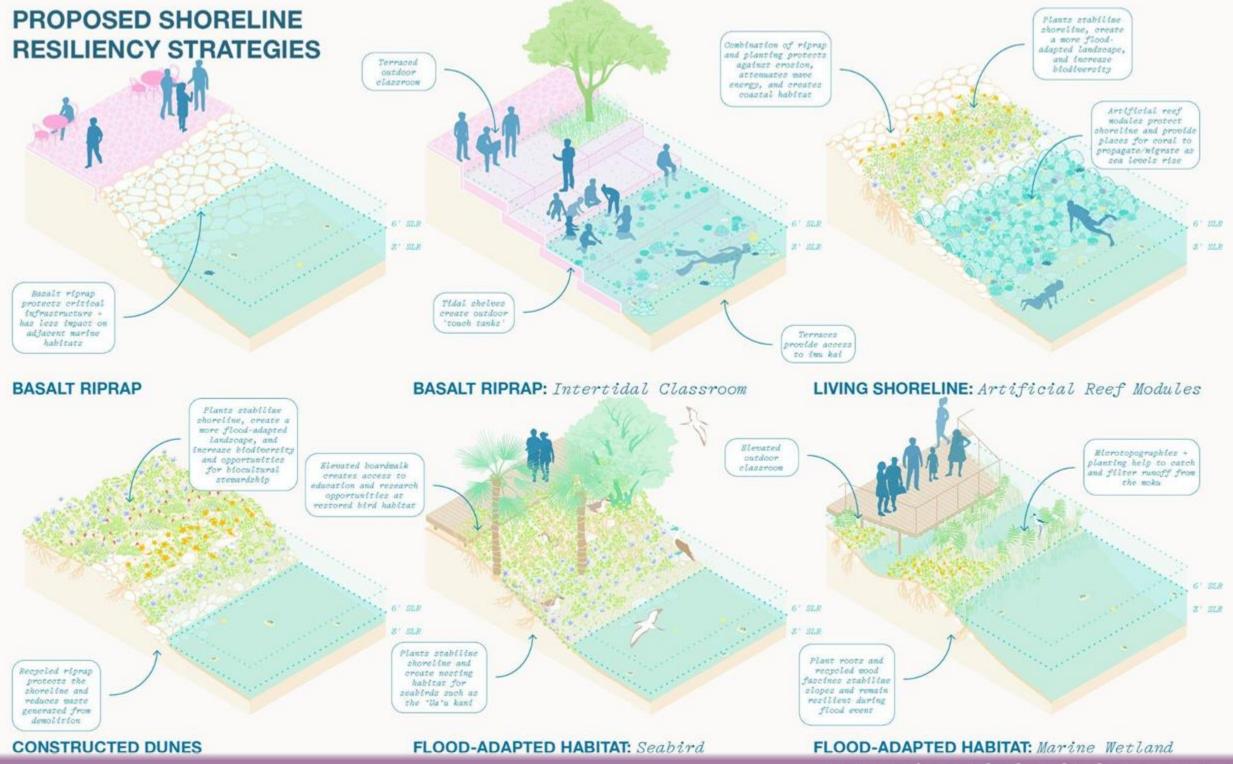














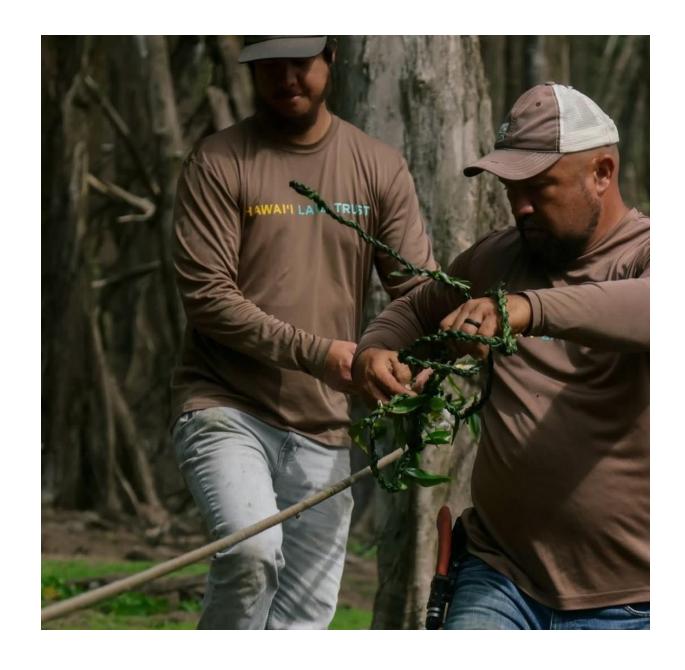
COMMUNITY-BASED PLANNING



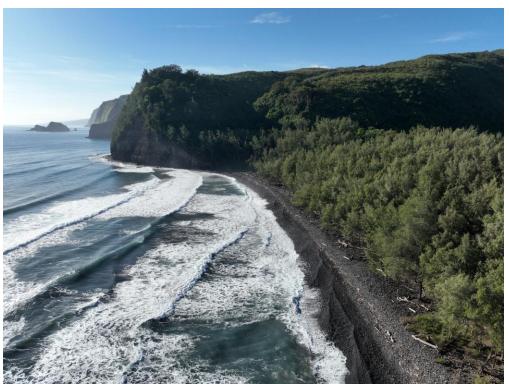


















COMMUNITY-BASED PLANNING

HONORABLE MENTION











ENVIRONMENTAL PLANNING

City and County of Honolulu



Collection

Envisioning O'ahu's Storm Water Future

City and County of Honolulu

Storm Water Planning

Get started



Community Engagement



Storm Water Strategic Plan Goals

Charting Progress



Support better water quality island-wide using a mauka to makai (watershed) approach, furthering partnerships, and implementing coordinated and sustained monitoring efforts.

Strategy	Measure	Dashboard
Establish guidance on water quality sampling methodology and protocols for partnering organizations.	Partnership(s) established with 1 or 2 organization(s).	Working group formed that includes reps from The Nature Conservancy, Department of Health, Board of Water Supply, ENV, Malama Maunalua, and University of Hawaii
Explore potential on-island water quality testing.	On-island water quality testing explored and, if possible, established.	
Investigate other monitoring approaches, such as biocriteria, surrogate testing, and monitoring technologies.	Report to the Stakeholder Advisory Group on options and technologies.	





IMPLEMENTATION

VILLAGE PARK SUB-AREA CORRIDOR STUDY IMPLEMENTATION

Evolution of Honolulu's Complete Streets Program



Village Park Sub-Area Corridor Study & Implementation Presentation to Waipahu Presentation to O'ahu MPO Citizen Advisory Neighborhood Board Committeeon recommendations of study DDC completed Rehabilitation of Localized Streets, Presentation to Village Park Community Association on Phase 19DEF along Kupuna Loop and Kupohi Street, to proposed mitigation include road diet and other pavement marking changes **Project Timelines** Village Park-Kupuna Loop Completed design plans for Village Park Kupuna Sub-Area Corridor Study Loop improvements Mitigative Measures Report Completed Federal Environmental Permitting – NEPA, Village Park Design Section 106, HDS 6E-8, Section 7, CatEx, Chapter 343 Village Park Sub-Area & Permitting NTP Circulation Study NTP ▶ House Concurrent Identify and develop Start of Construction Resolution (H.C.R. location-specific traffic Completed **Kupuna Loop** No. 176) urging City engineering plans for Village Park DTS to implement Raised crosswalks construction Walk Through operations and safety Curb extensions traffic safety improvements Memo Roundabouts recommendations Walk audit (September) Deliverable Speed cushions from 2015 report Oʻahu Bike Oʻahu Pedestrian State legislation Complete Streets **Complete Streets** Plan updated Plan Adopted (Final) requires Implementation Study begins planning begins for City expands counties to Age-Friendly City Initiative critical streets in City's first RRFBs protected have a Complet Honolulu, Kalihi, installed bikeway Streets policy South King Street Protected Pearl City, Kailua, network Bikeway opens and Kāhe'ole Complete Streets City and County of Honolulu joins the Honolulu's first new Ordinance (ROH 14-18) National Association of **Honolulu Complete** dedicated transit adopted by Streets Manual Finalized City Transportation lane since 1988 **Honolulu City Council** Officials (NACTO) opens on King Street **Program Administrator** in Chinatown Oʻahu Bike Plan position created Honolulu's Complete Streets Progress Major Policy, Planning & **Project Milestones**

Village Park Double Roundabouts



TRANSPORTATION PLANNING

Hāna Community Pathway Study

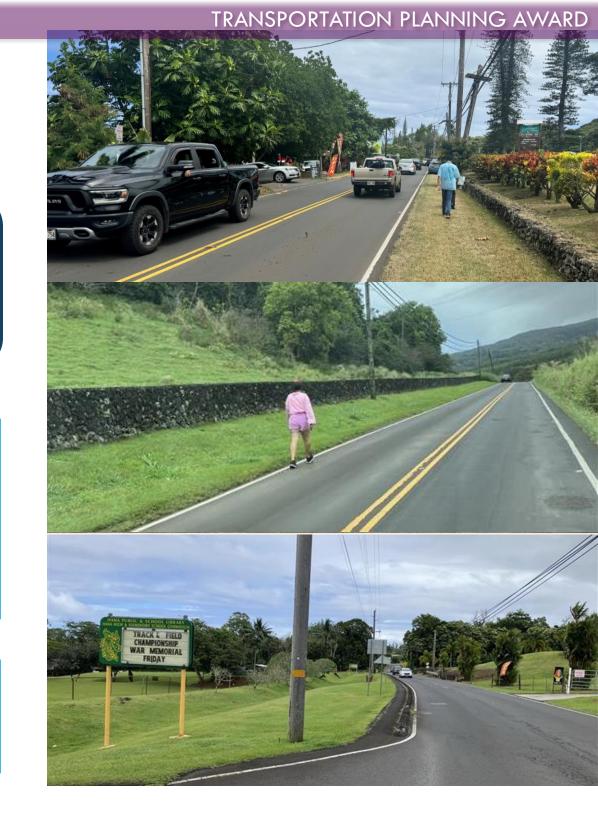
GOAL: To advance the work spearheaded by the Hāna community by developing a study that looks at potential routes and create a guide toward construction.

Identify the Route

- Approximately 9 linear mile study area from Kalo Road in Ka'elekū to Waiohonu Bridge in Maka'alae
- Utilize community feedback to identify desired route

Develop "Road Map" to Implementation

 Guidance on permitting, construction, and longterm ownership and maintenance of the pathway



TRANSPORTATION PLANNING AWARD







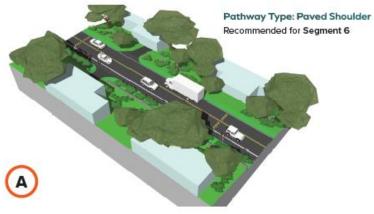


Hāna Community Pathway Route Map

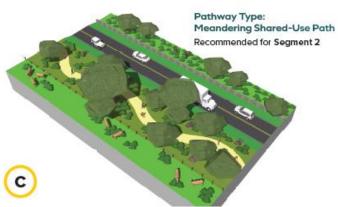
Proposed Phasing and Design Concepts







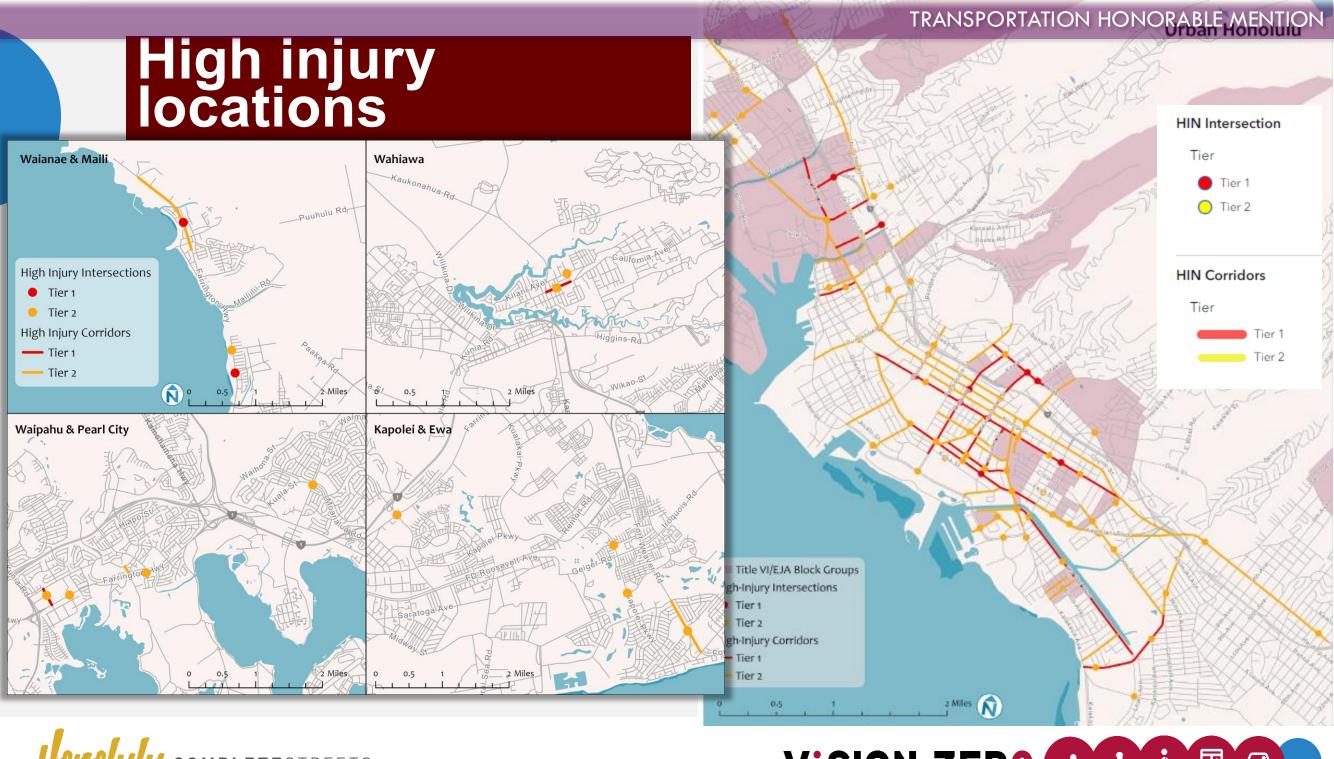




TRANSPORTATION PLANNING

HONORABLE MENTION













ORDINANCE 24-82

BILL 44 (2024), CD2

A BILL FOR AN ORDINANCE

- Whether an area is identified as high-risk for pedestrian accidents or where the speed limit is reduced to 20 miles per hour, especially during school hours.
- Whether a comprehensive traffic safety assessment has been conducted that considers factors such as pedestrian traffic, vehicle speed, and accident history.

The director of transportation services shall notify the local community and school administrations of planned installations and solicit feedback to ensure that the community's needs and concerns are addressed.

[(e)](d) Further, no person shall in any parking area maintained within public parks and public school grounds drive a vehicle recklessly or negligently or at a speed or in such manner as to endanger or injure persons or property.

[(d))(e) Whenever the director of transportation services determines upon the basis of an engineering and traffic investigation that any maximum speed limit hereinafter set forth is greater than is reasonable or safe under the conditions found to exist [at any horizontal or vertical curve] upon any part of a highway, the director of transportation services may post a recommended safe speed thereat which shall serve as a guide to vehicle drivers at all times when they are using the highway and which shall be effectively illuminated or reflectorized for visibility at night.

(f) Whenever the director of transportation services determines, either at the director's initiative or in response to a written request by a representative of a school, that a roadway within 1,000 feet of a school is utilized by students going to, moving within, or leaving the school, the director may post a recommended safe speed thereat, which will serve as a guide to vehicle drivers at all times when students are using the roadway."

SECTION 3. Section 15-7.2, Revised Ordinances of Honolulu 2021, is amended to read as follows:

"§ 15-7.2 Speed limit zones.

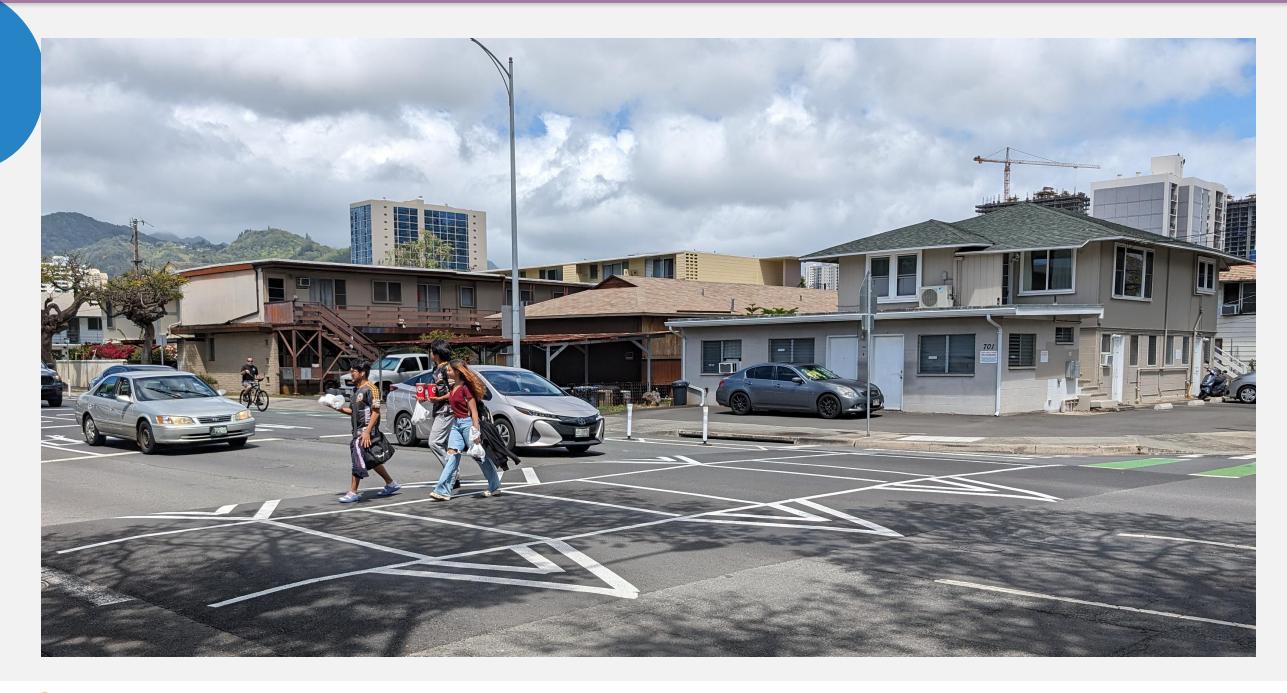
No person shall drive a vehicle on a public highway or street at a speed in excess of the following speed limit zones established or hereafter established therefor by ordinance of the city council:

OCS2024-0953/10/28/2024 7:57 AM

-

24-82









Safety in our communities









IT IS MY KULEANA

- · I will slow down to make the difference between life and death in a crash.
- · When I see a person crossing the street, I will come to a stop for them.
- · I will avoid parking too close to the street corner, so people can see each other better at intersections.
- · I will drive and text, but never at the same time.
- · I will never drive if I'm impaired, even slightly, by drugs or alcohol.
- · I will remember that when I am behind the wheel, my vehicle can take someone's life or cause serious harm, regardless of which user violated
- · I will tell others about this pledge and ask them to hold me accountable if I'm lapsing in my commitment.

I take this pledge because I never want to take someone's life or injure a person because I'm driving recklessly, impatiently, or selfishly.

EVERY PERSON USING OUR ISLAND STREETS IS LOVED. HAS BEEN LOVED. OR WILL BE LOVED BY THEIR 'OHANA.

I will remember that each time I turn on my engine, I take on a life-or-death responsibility. I never want a family to lose a loved one because I'm rushing, angry, or distracted behind the wheel.

Signature

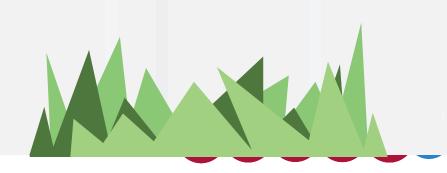












OUTSTANDING







INNOVATION

Integrates Climate Change

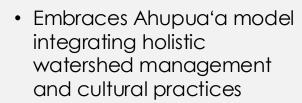


Incorporates Native Hawaiian Cultural Values



Projects an Ultimate Demand Scenario of Future Water Needs

- Integrates sea level rise and changing rainfall/storm patterns to guide adaptive management
- Maps flood-prone areas in East Honolulu and identifies vulnerable sites and infrastructure and mitigation strategies
- Promotes resilience by supporting infrastructure upgrades, shoreline protections, buffer zones, and restoring native marshes, wetlands and fish ponds



 Ka Pa'akai Analysis based on stakeholder consultation to recognize and protect key cultural resources, practices and sites



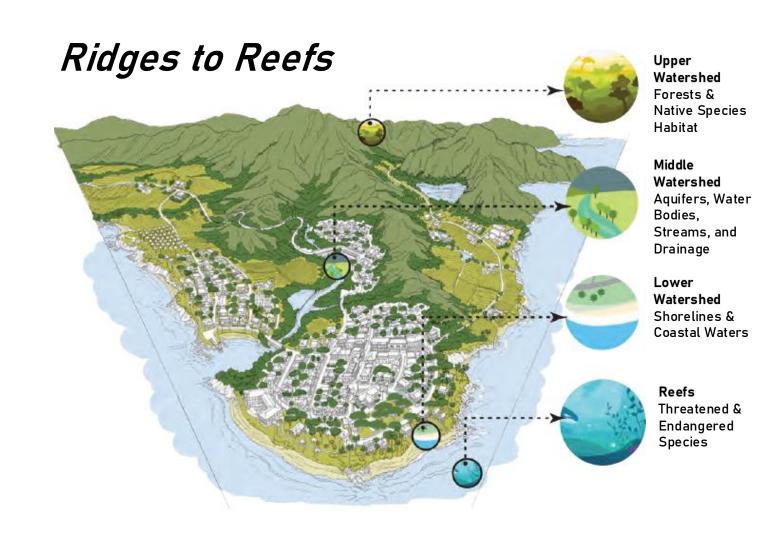
- Assesses future water needs in East Honolulu by 2100
- Explores two climate scenarios considering climate change and population:
- a. Decreased rainfall and increased irrigation demand (dry scenario)
- b. Increased rainfall and flooding (wet scenario)
- Emphasizes flexibility and adaptive management, recognizing uncertainties

INNOVATION

Ahupua'a Model

Planning concept based on Native Hawaiian Ahupua'a model (systems-thinking), emphasizing:

- Watershed health
- Holistic resource management
- Self-sufficient and sustainable communities
- Inter-relationship of mauka and makai resources
- Stewardship and kuleana of land, people, and culture

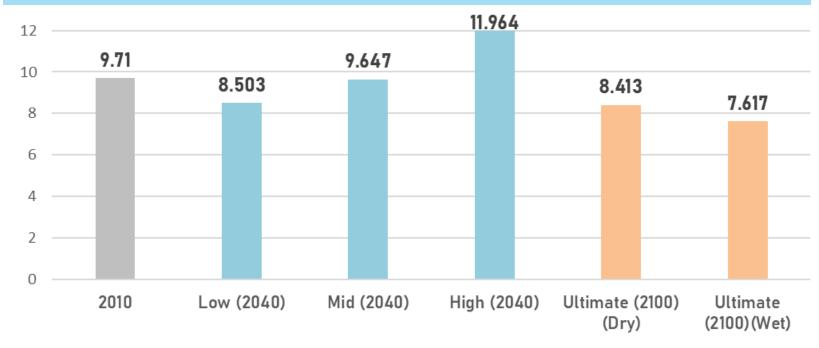


TRANSFERABILITY

Replicable and Transferable for Other Watershed Plans

- Emphasizes transparency, access and participation (incl. 4 community meetings, 20+ stakeholder consultations, and 10+ presentations to neighborhood boards and elected officials)
- Provide a framework for developing water demand and supply scenarios to account for variations in population growth, water use, and implementation of conservation strategies

Total Future Water Demand Scenarios for East Honolulu (MGD)

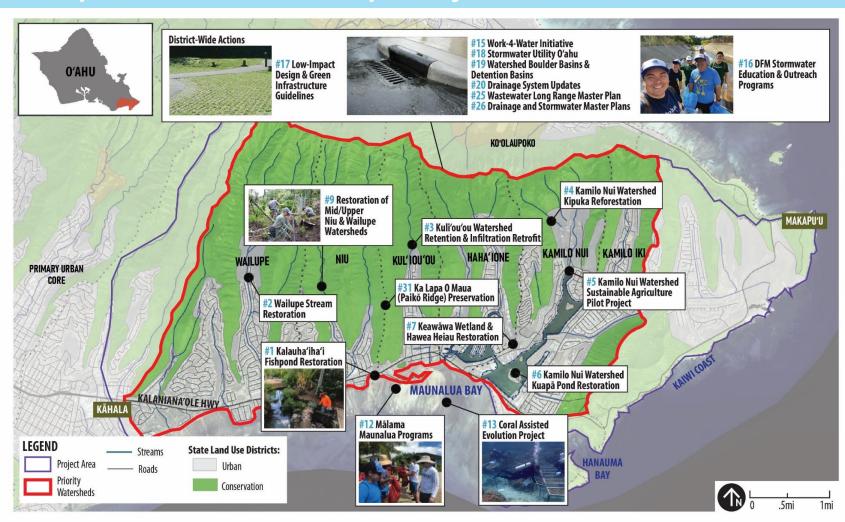


IMPLEMENTATION

Implementation Guidance

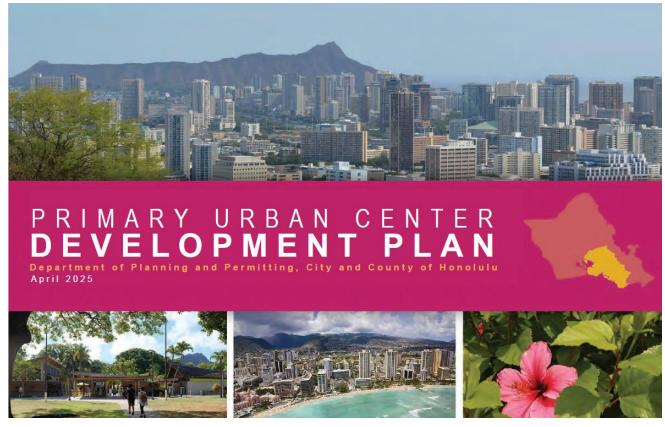
- Water Use & Development Plan with management strategies to meet future water demand and supply scenarios through conservation efficiencies
- Identification of priority watersheds and catalyst projects as critical to the EHWMP's goals and objectives through consultation with stakeholders
- Voted on and support by three (3) neighborhood boards resulted in community backing and quick adoption by City Council

Priority Watersheds & Catalyst Projects



OUTSTANDING

Primary Urban Center Development Plan



City and County of Honolulu

Department of Planning and Permitting

HCPO, August 2025







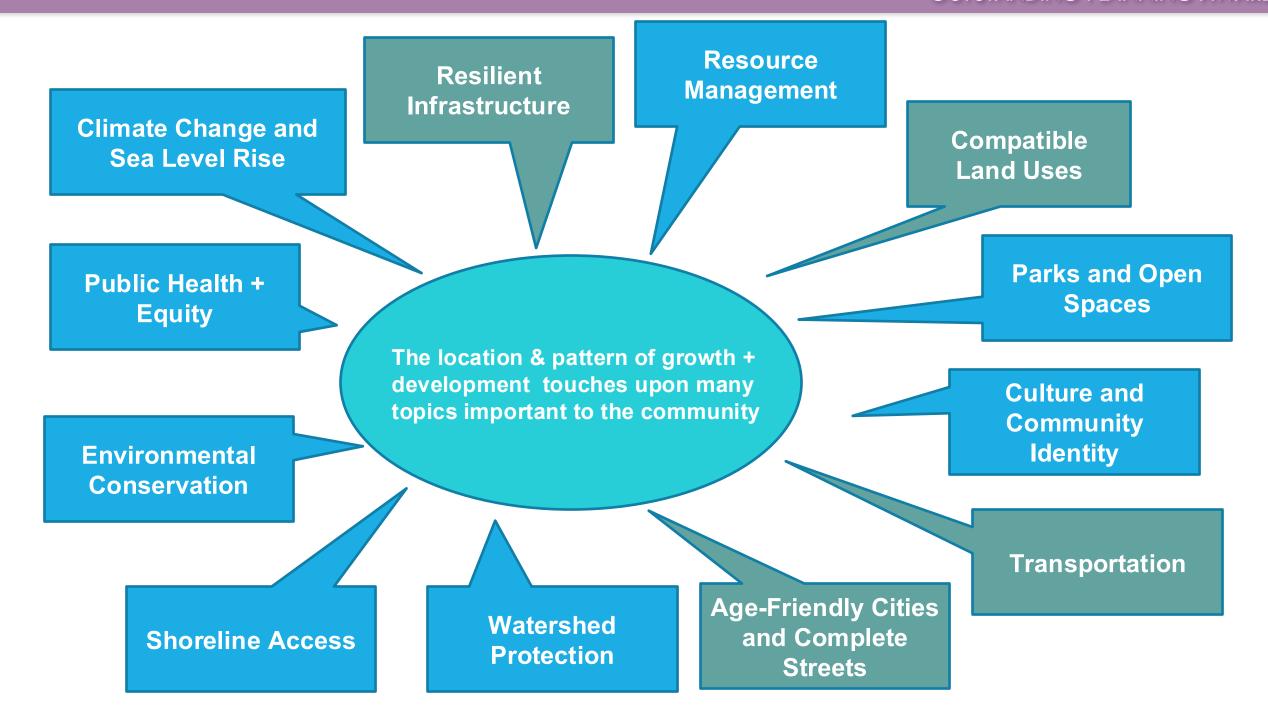


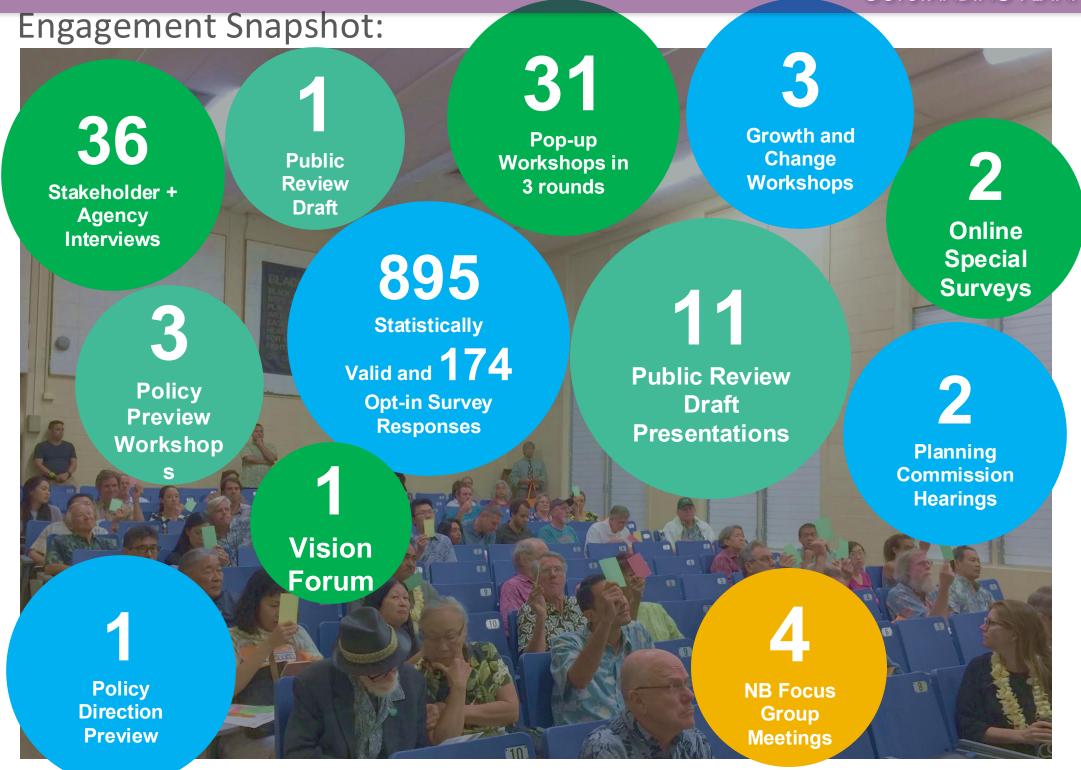












Big Themes and Issues

















2025 APA HAWAII AWARDS PROGRAM

MAHALO

