



HAWAIIAN HOME LANDS
HAWAIIAN HOMES COMMISSION
DEPARTMENT OF HAWAIIAN HOME LANDS

Pu'u 'Ōpae Special Area Plan & Settlement Plan

Beneficiary Consultation

King Kaumuali'i School

November 15, 2018

6:30 pm – 8:30 pm

Meeting Objectives

By the end of the meeting, we will have:

- Discussed strategies, challenges, needs, and concerns for Pu‘u ‘Ōpae
- A shared understanding of common goals, circumstances, and expectations
- Identified key elements of the beneficiary’s vision for Pu‘u ‘Ōpae
- A shared understanding of the details to complete the Pu‘u ‘Ōpae project

Project Timeline

Beneficiary
Meeting #1 Input
on Settlement
Plan
(Tonight's
Meeting)

Beneficiary
Meeting #2 Input
on Lot Schemes
& Preferred
Option
(Jan 2019)

G70 Draft Lot
Schemes for
Settlement Plan
(Dec 2018)

Informational
Presentation of
Settlement Plan
to HHC (open to
comments)
(Feb 2019)

Project Timeline

Draft EA
Completed &
Filed with OEQC
with 30-day
public comment
(March 2019)

Draft FEA/FONSI
based upon
public review and
comment
(May 2019)

Beneficiary
Meeting #3
Presentation of
EA Findings (open
to comments)
(April 2019)

Presentation to
HHC of SP/SAP
and FEA/FONSI
for approval
(open to
comments)
(June 2019)



Living on the Waitlist

- There are 2,543 combined agriculture and pastoral waitlisters for the Island of Kaua‘i
- Many people have been waiting for more than 30 years
- Present day planning for DHHL Kaua‘i lands to target approximately 20% of the current waitlist

Discussion Questions



What does the opportunity at Pu'u 'Ōpae mean to you?



What do you want to see at Pu'u 'Ōpae?



What is your mana'o about community?



How would you like to be kept informed?



- ✓ Please go to www.menti.com (Questions 1-3)
- ✓ Enter the code: 65 19 93
- ✓ Series of questions with responses in live time by all participants
- ✓ Responses will become part of the consultation report



What is the Kuleana Homestead Program?

- ✓ Kuleana Homestead leases are designated for **unimproved** available Hawaiian home lands.
- ✓ Available Hawaiian home lands may be selected for kuleana homestead leases by the commission because of excessive costs to develop the tract, due to such factors as:
 - ✓ Physical characteristics of the land
 - ✓ Distance from existing utilities

Kuleana Homestead Program

- ✓ The purpose of kuleana homestead leases is to provide Hawaiians with opportunities for subsistence use of lands
- ✓ Suitable lessees are those willing to live on the land and accept an unimproved lot
- ✓ Such parcels only required a right of way to access the site



Kuleana Homesteading Process

- ✓ Develop a plan for settlement of the designated tract
- ✓ Participate as an active member in the kuleana homestead association to develop and comply with the association's rules and agreements
- ✓ Accept the lot in its "as is" condition
- ✓ Participate in the maintenance of the right-of-way to the kuleana homestead tract and lots



Ongoing Kuleana Homestead Projects and Opportunities

Pu'u 'Ōpae:

Agricultural kuleana homesteading in West Kaua'i

Anahola:

Agricultural and pastoral kuleana homesteading in Northeastern Kaua'i



Kahikinui Project: A Story of Lessons

Traditional Lease Awards

- Funding and waiting issues

Non-traditional lease awards

- Clarity and communication
- Beneficiary education and training
- Help with basic utilities, infrastructure, and funds

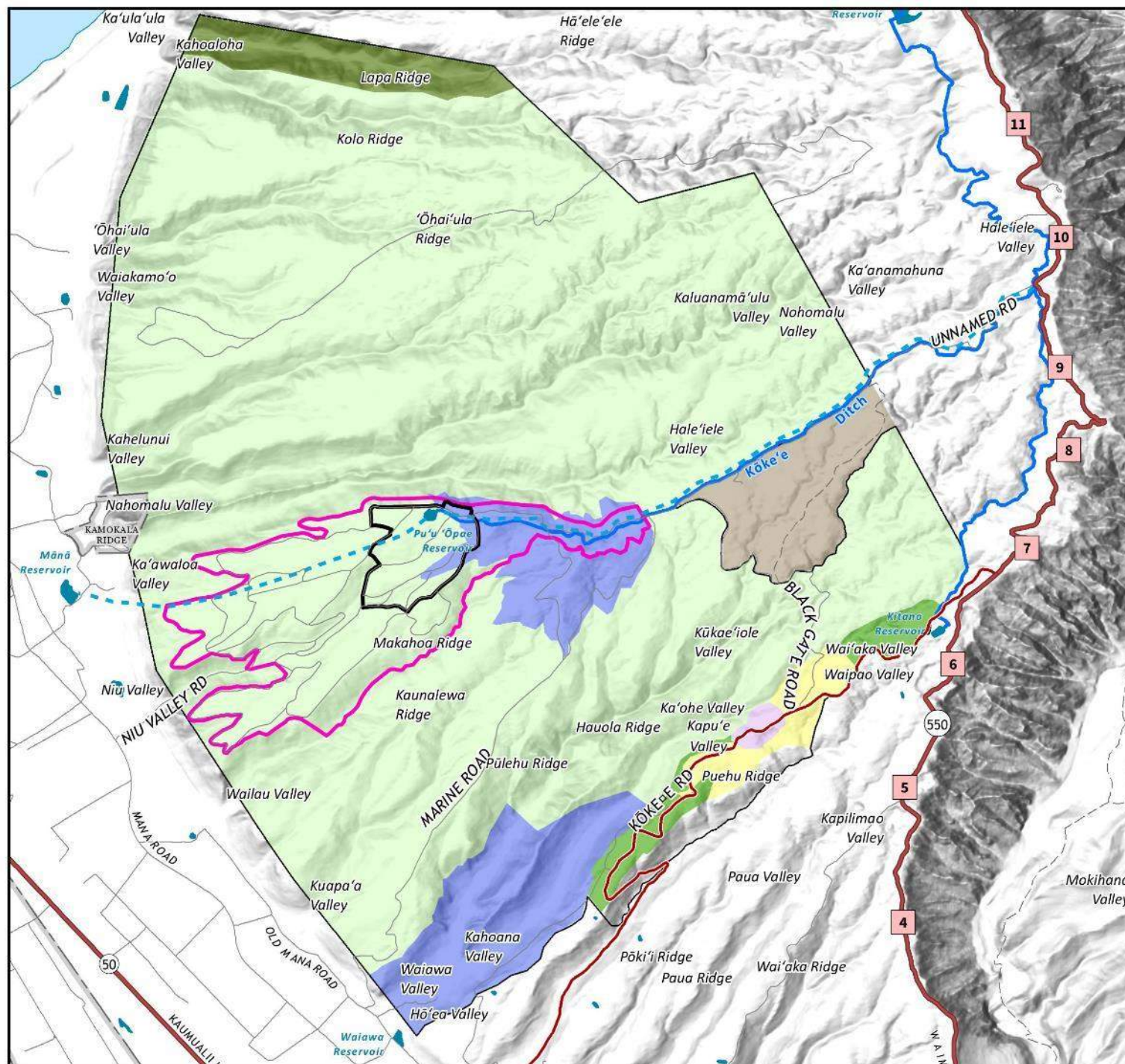


Existing Conditions

- Pu‘u ‘Ōpae is located in Waimea, West Kaua‘i
- Land area of 14,556 acres
Project area is 1,192 acres
- Rural open space character
- Undeveloped lands used for historical sugarcane use
- Limited & limiting access
- Surface water - 6.903 MGD from the KODIS is reserved for DHHL Waimea



Existing DHHL Land Use



Legend

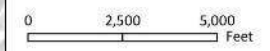
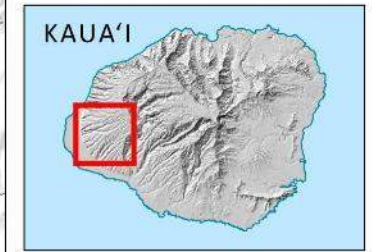
- DHHL Parcel
- Pu'u 'Ōpae Special Area
- Master Plan (Project Area ~1192 acres)
- KHHA Licensed Area (~231 acres)
- KIUC Pipeline Project

Existing Land Use

- Community Use
- Conservation
- General Agriculture
- Pastoral (~ 476 acres)
- Residential
- Special District
- Subsistence Agriculture

Transportation

- 1 Mile Marker
- Major Road
- Local Road
- 4WD



Source: USGS, Hawaii Statewide GIS Program, DHHL













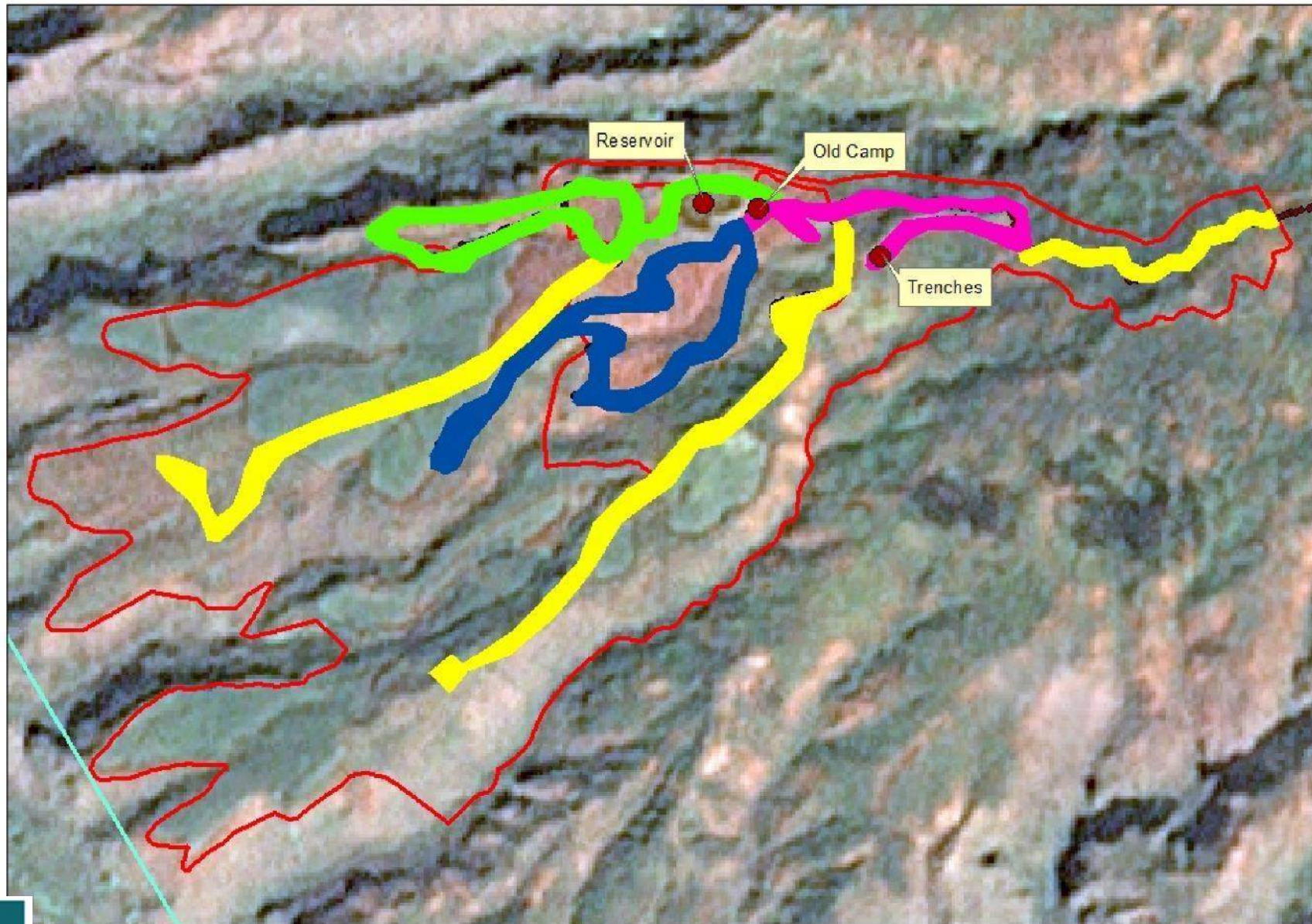




Archaeological Reconnaissance Survey

3 Historic Properties were Identified:

- Military Trenches
- Plantation Camp
- Pu'u 'Ōpae Reservoir



● Archaeological Site ■ Day 2 Survey ■ Day 4 Survey 0 0.2 0.4 0.8 1.2 1.6



Historic Properties

Military Trenches:

An old military trench about 1 meter deep and 2 meters wide

Artifacts at the site include: green asphalt roofing material, miscellaneous metal pieces, and bullet shells.



Historic Properties

Pu'u 'Ōpae Old Camp:

Two steel water tanks were identified just east of the reservoir

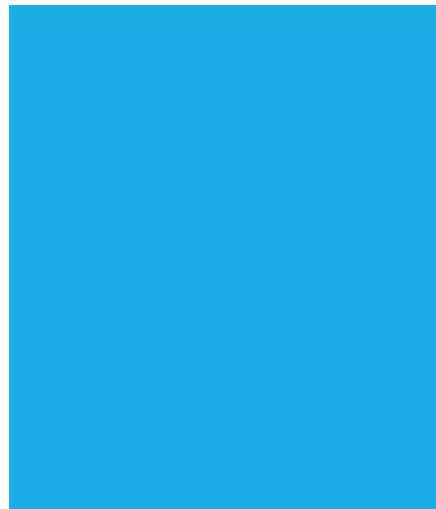
Other historic artifacts include ceramic fragments, metal pieces, and old Coca Cola bottles

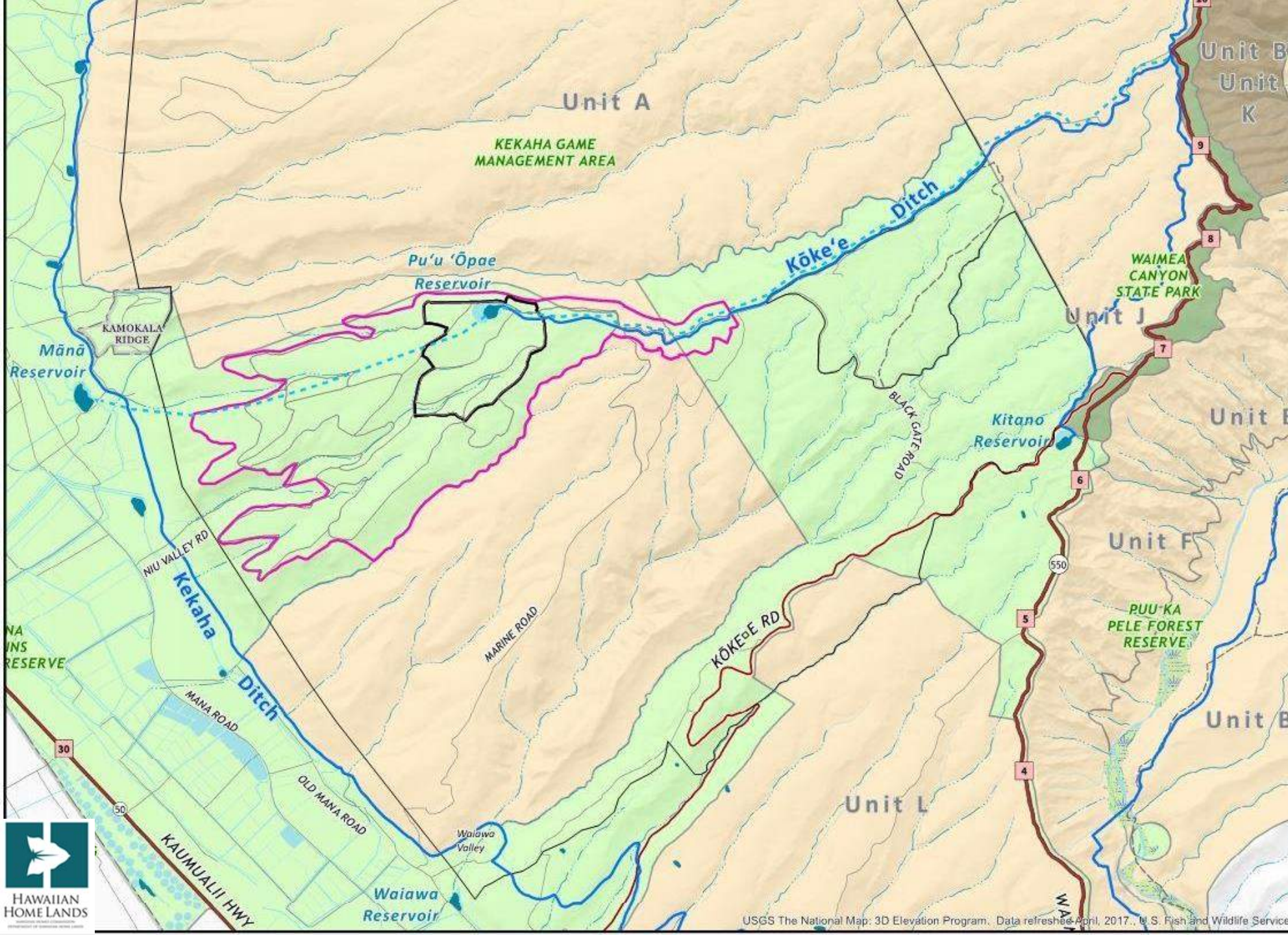
Historic Properties

Reservoir with associated water control features

Findings of KIUC project to complement the ongoing effort.

SAP/SP considers the improvements of the reservoir as a historic property for adaptive reuse but is primary source water.





(Project Area)

KHHA Licensed Area (~231 acres)

--- KIUC Pipeline Project

Hunting Area

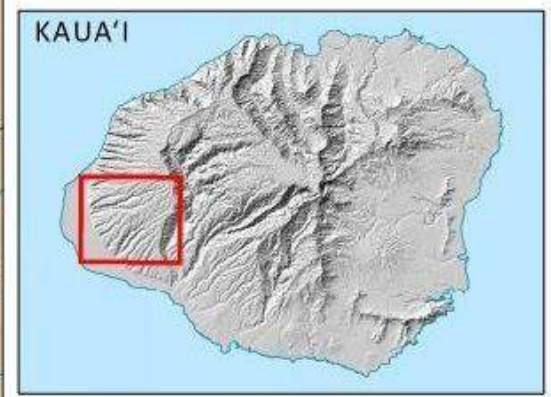
- Hunting Area (Mammal ONLY)
- Hunting Area (Mammal and Bird)
- No Hunting
- Safety Zone

Transportation

- Mile Marker
- Major Road
- Local Road
- 4WD

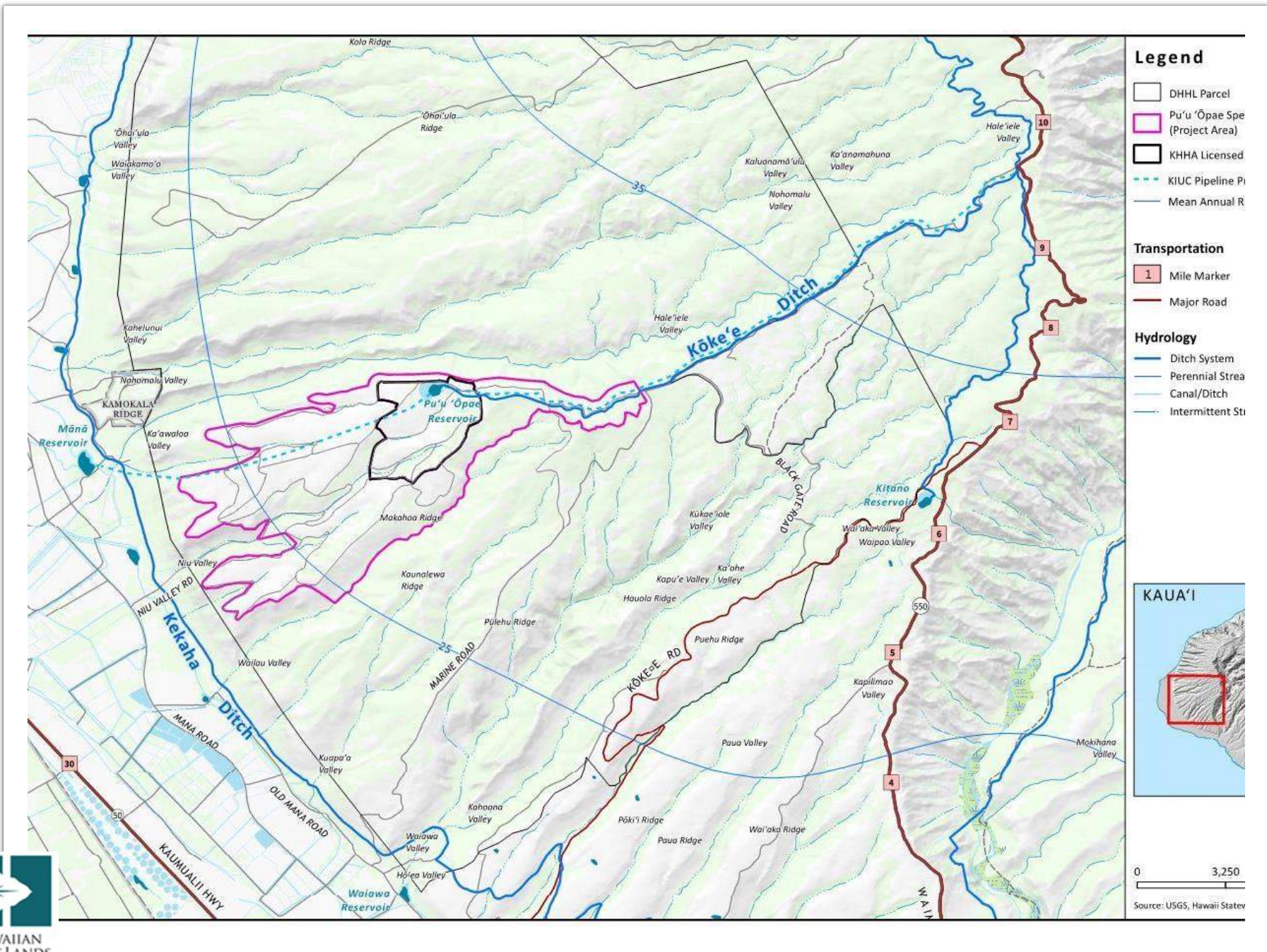
Hydrology

- Ditch System
- Perennial Stream
- Canal/Ditch
- Intermittent Stream
- Perennial Lake/Reservoir
- Wetland/Marsh



0 3,250 6,500 Feet

Source: USGS, Hawaii Statewide GIS Program, DHH

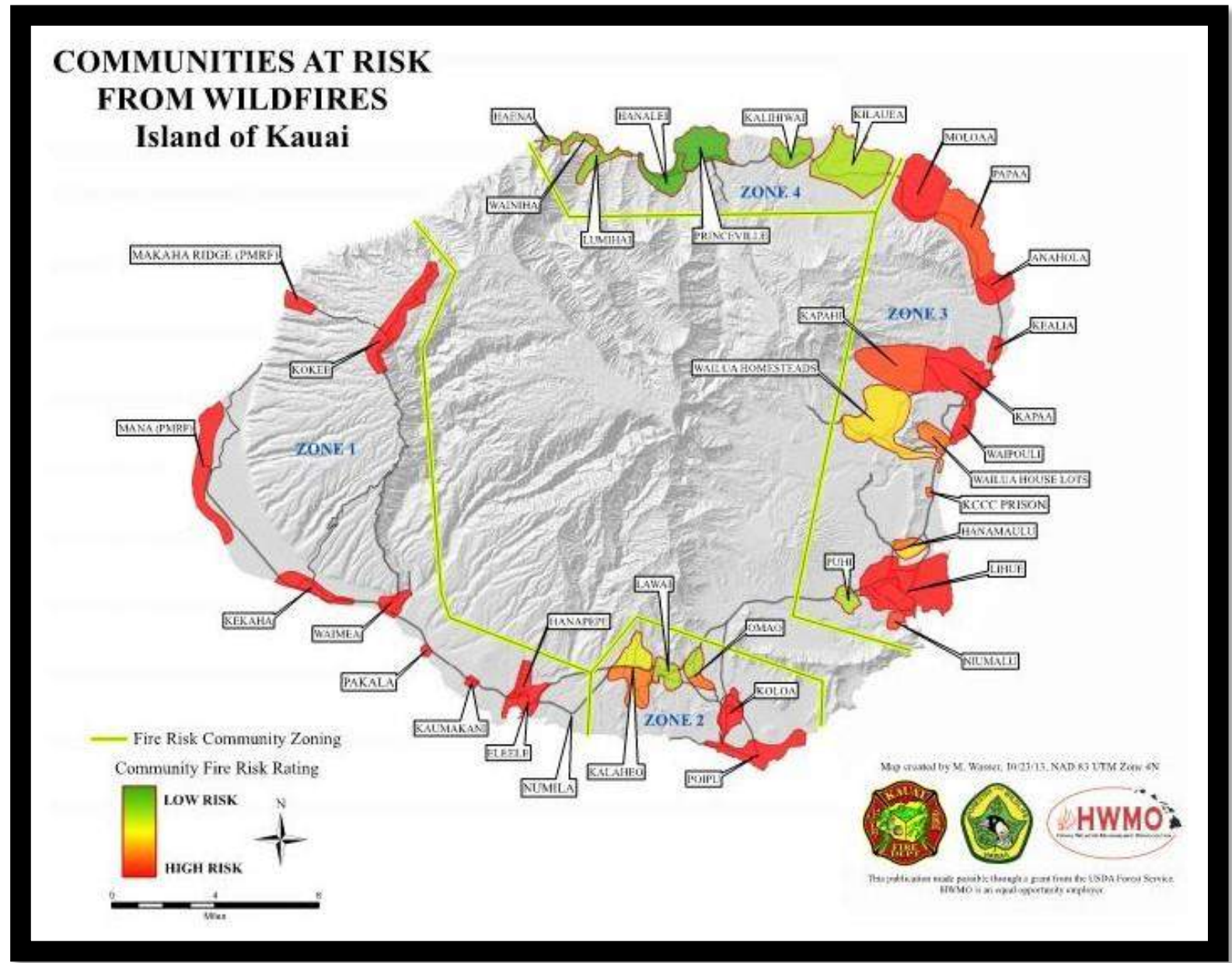


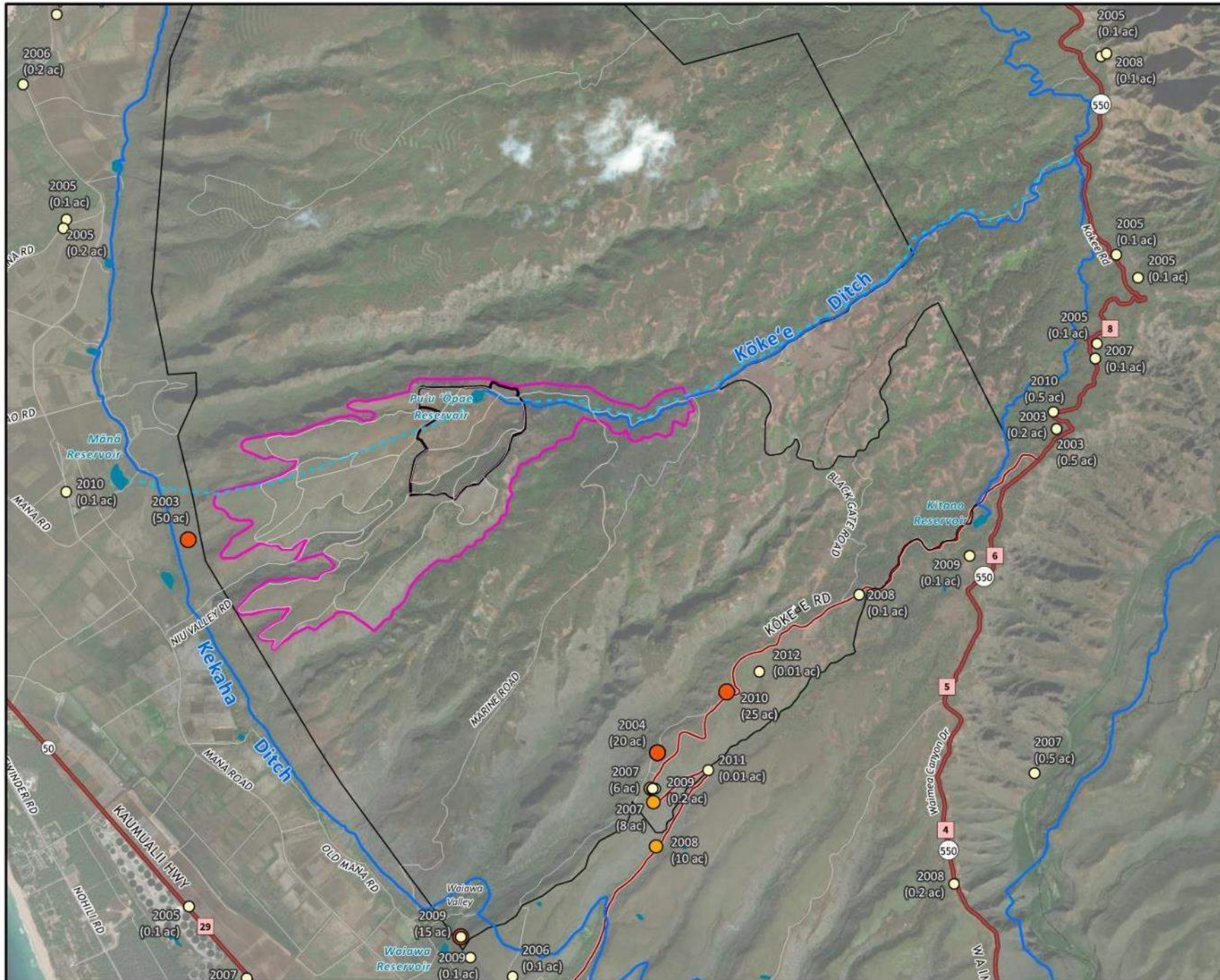
Rainfall

- Sufficient rainfall trends are needed for agricultural uses
- Conditions are typically dry enough to pose high wildfire hazards for the area.

Wildfire Hazard

- The Pu'u 'Ōpae project area is located within an area that has a high wildfire hazard for the following reasons:
 - Steep slopes
 - Ravines, chutes, and saddles
 - Low precipitation – seasonal droughts
 - Frequent winds over 15 mph
 - Contiguous uninterrupted vegetation





Legend

- DHHL Parcel
- Pu'u 'Ōpae Special Area Master Plan (Project Area)
- KHHA Licensed Area (~231 acres)
- KIUC Pipeline Project

Wildfire Events (1998-2012)

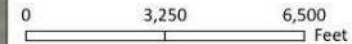
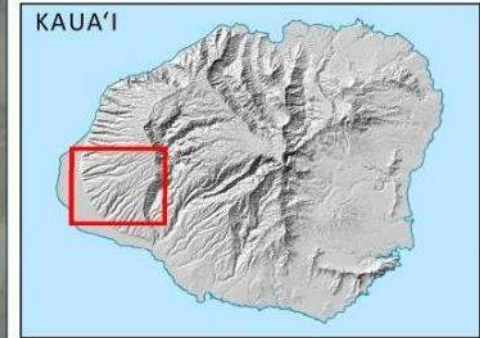
- Acres Burned
- 0.0 - 1.0 acres
 - 1.1 - 10.0 acres
 - 10.1 - 100 acres

Transportation

- 1 Mile Marker
- Local Road
- Major Road
- 4WD

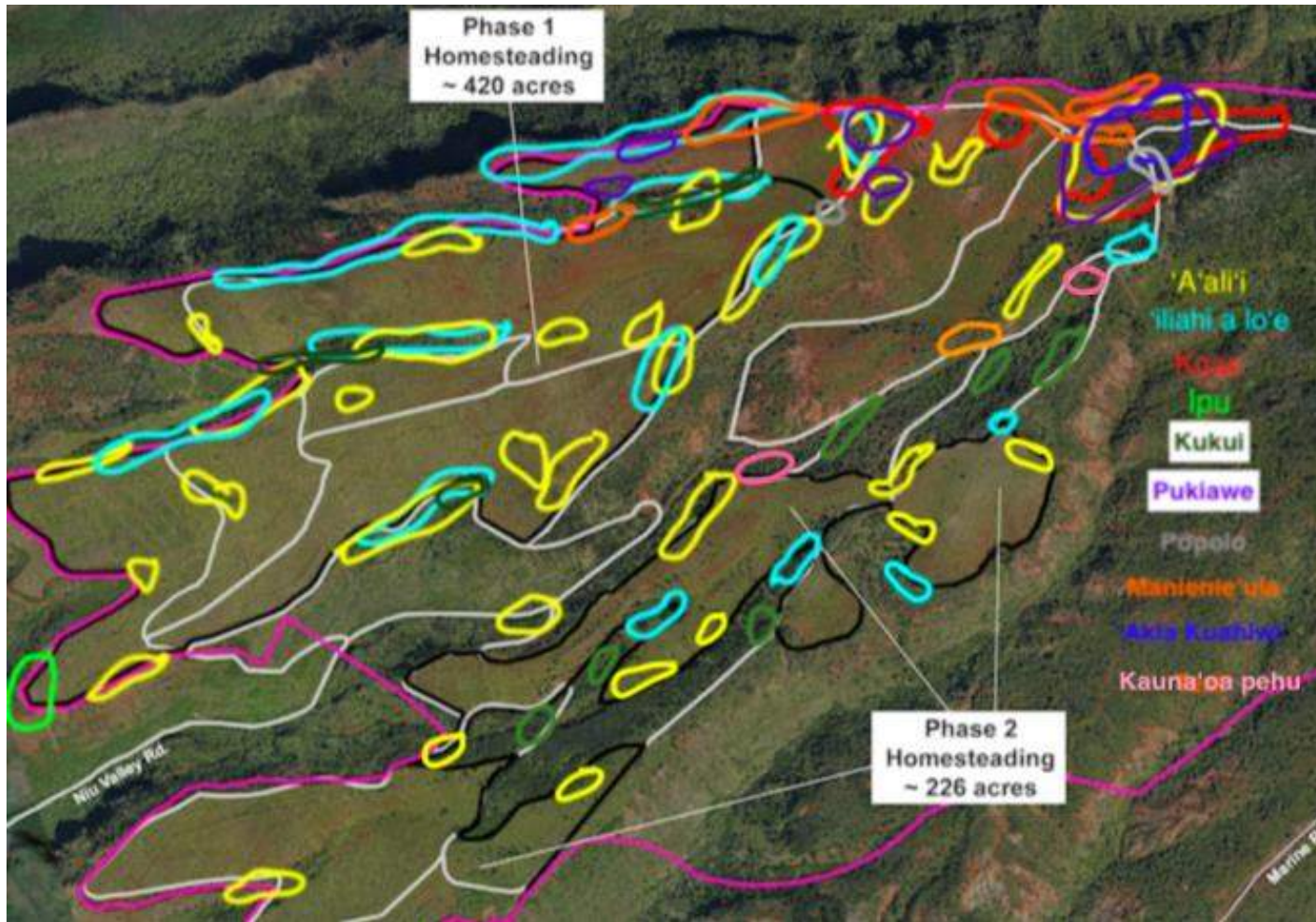
Hydrology

- Ditch System
- Perennial Lake/Reservoir



Source: USGS, Hawaii Statewide GIS Program, DHHL





Portion of Biological Species Table

STATUS KEY:		LOCATION KEY:		ABUNDANCE KEY:		
A= Alien Species (Introduced by man after the arrival of Capt. Cook in 1778)	E= Endemic Species (Only found in Hawaii)	A: Phase 1		1= Low Occurrence <5 times in each site it was found in. Letters parentheses (ABC) tell which site the relative abundance refers to 2 -4= Relatively Low to Abundant within each site it occurred. 5= Dominant relative to all other species; found throughout site. ex. bottom		
P= Polynesian Intro. (Introduced by Polynesians prior to 1778)	I= Indigenous Species (Native to Hawaii and elsewhere)					
Family	Species	Hawaiian Name	Common Name	Status	Location	Abundance
CURCUBITACEAE						
	<i>Lagenaria siceraria</i>			P	A	1
EPACRIDACEAE						
	<i>Leptechophylla tameiameia</i>	Pūkiawe, 'A'alii mahu, Kānehoha, Maieie, Kāwa'u		I	A	2
EUPHORBIACEAE						
	<i>Aleurites molucana</i>	Kukui	Candlenut Tree	P	A	1
	<i>Ricinus communis</i>	Pā'alai	Castor Bean	A	A	2
FABACEAE						
	<i>Acacia koa</i>	Koa		E	A	2
	<i>Acacia meamsii</i>		Black Wattle	A	A	3
	<i>Crotalaria pallida</i>	Kūkaehoki, Kolomona (Ni'ihau)	Smooth Rattlepod	A	A	3
	<i>Desmodium incanum</i>	Ka'imi	Spanish clover	A	A	3







Project Overview

- Project area of ~1,192 acres:
 - 231 acres under DHHL License No. 816 by KHHA.
 - KIUC hydroelectric project to repair the entire length of the Kōke'e Ditch System to Pu'u Moe Divide.

Pu'u 'Ōpae Special Area Plan:

- Reflective of KHHA Farm and Irrigation Plan and relevant DHHL plans and policies
- Focuses on maximizing kuleana homestead opportunities for subsistence agriculture

Project Elements and Goals

- Natural and Cultural Resource Management
- Access and Agricultural Use
- Utilities and Infrastructure
- Renewable Energy
- Wildfire Risk and Management



Project Work to Date

- Special Area Plan
- Surveys
- Stakeholder meetings and HHC Presentation
- Biological (flora/fauna) study
- Archaeological study
- Fly-over imagery (aerial and DEM)
- GIS mapping based on multiple sources
- Preliminary Engineering studies



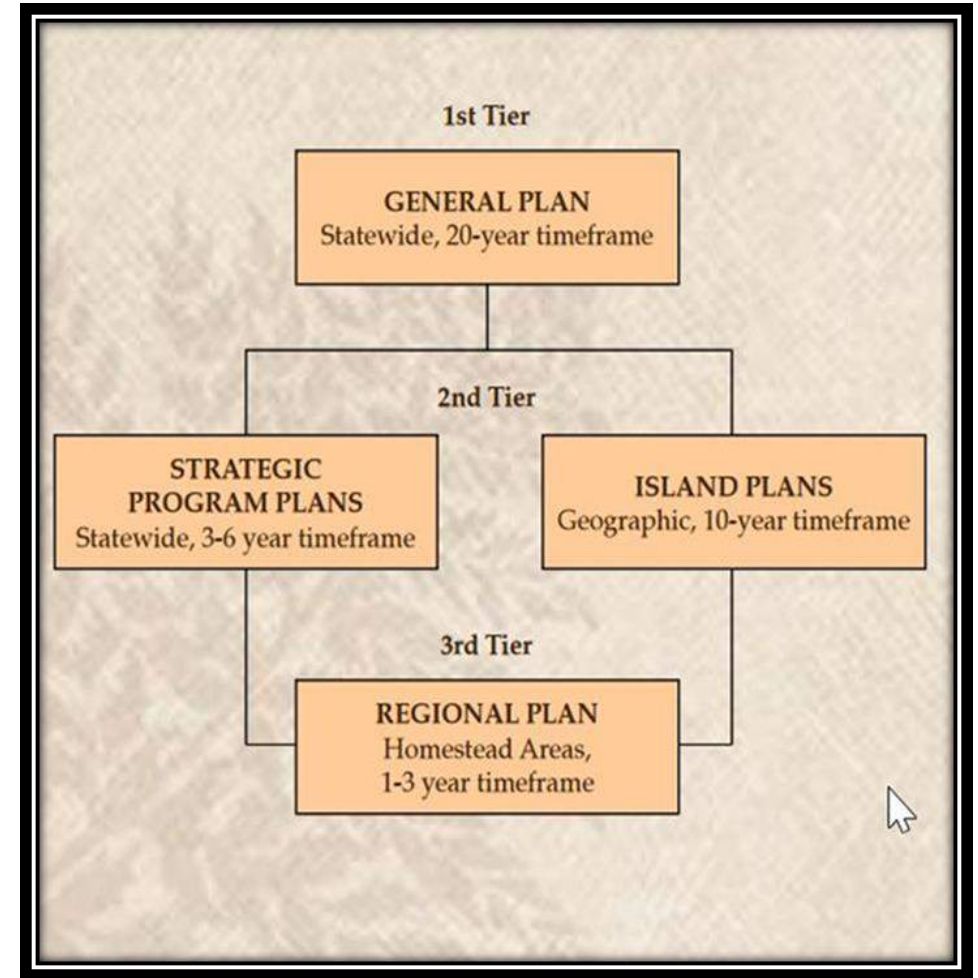
Project Alignment with Existing Plans and Policies

Hawaiian Homes Commission Act

DHHL General Plan

DHHL Kaua'i Island Plan

DHHL West Kaua'i Regional Plan



Hawaiian Homes Commission Act



- ✓ Serve beneficiaries
- ✓ Provide for the rehabilitation of native Hawaiians through a government-sponsored homesteading program



DHHL General Plan

- ✓ Utilize Hawaiian Home Lands for appropriate uses
- ✓ Reconnect Hawaiians to land and practices that are integral to their cultural identity
- ✓ Promote the self-sufficiency of the local community
- ✓ Protect and manage natural and cultural resources
- ✓ Conserve the most productive agriculture lands for intensive agriculture and pastoral use



DHHL Kaua'i Island Plan

- ✓ Support community based economic development
- ✓ Provide opportunities for traditional healing and therapies
- ✓ Protect open space and natural resources



DHHL West Kaua'i Regional Plan

- ✓ Maintain the reservoir for use by agricultural users
- ✓ Develop renewable energy projects compatible with agriculture
- ✓ Include access road and road maintenance

Projects suggested for Pu'u 'Ōpae:

- ✓ Taro growing and other diversified crops
- ✓ Hydroelectric power generation
- ✓ Culture or wellness center

Settlement Plan

Applicants, together with DHHL, must develop a plan for settlement and development of the designated tract (HAR §10-3-30). The Settlement Plan must include:

- ✓ Location and description of the tract of land
- ✓ Size and number of lots to be awarded
- ✓ Location of community center and common areas
- ✓ Proposals for community management and economic development
- ✓ Preservation of significant historical archaeological, and biological sites
- ✓ Settlement timetable

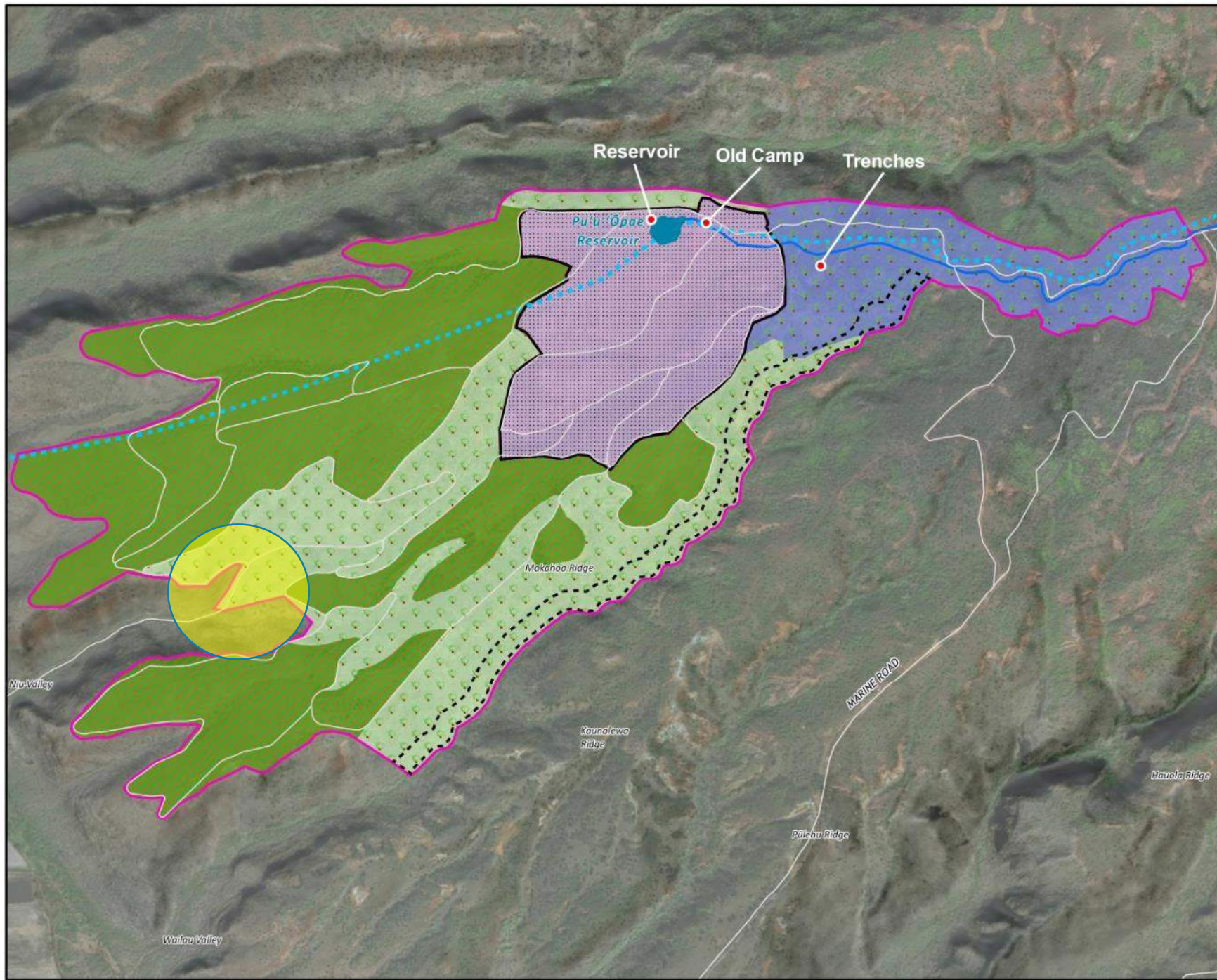




- ✓ Please go to www.menti.com (Questions 4-7)
- ✓ Enter the code: 65 19 93
- ✓ Series of questions with responses in live time by all participants
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Settlement Plan: Selection and Planning Criteria

Criteria	Value
Topography	Less than 15% slopes, away from drainage ways and flood hazards
Proximity to Roadways	Existing dirt roads
Size	0.25 to 1-acre lots
Proximity to Water	Pu'u 'Ōpae Reservoir & KODIS proximity
KIUC Improvements	Incorporate synergies in the two projects
Wildfire Risk	Sited away from fuel sources, easy wildfire dispersal
Hunting Boundaries	Sited away from existing hunting zones and well within safety zones
Proximity to Natural and Cultural Resources	Sited away from denser areas of intact native forested areas, and traditional, cultural sites and features.

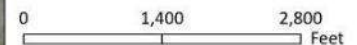
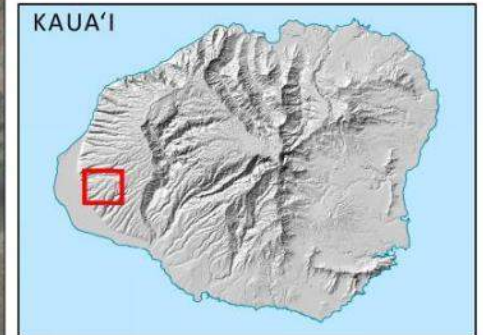


Legend

- Pu'u 'Ōpae Special Area Master Plan (Project Area ~1192 acres)
- KHHA Licensed Area (~231 acres)
- No Development Buffer (100 yards)
- KIUC Pipeline Project
- Local Road

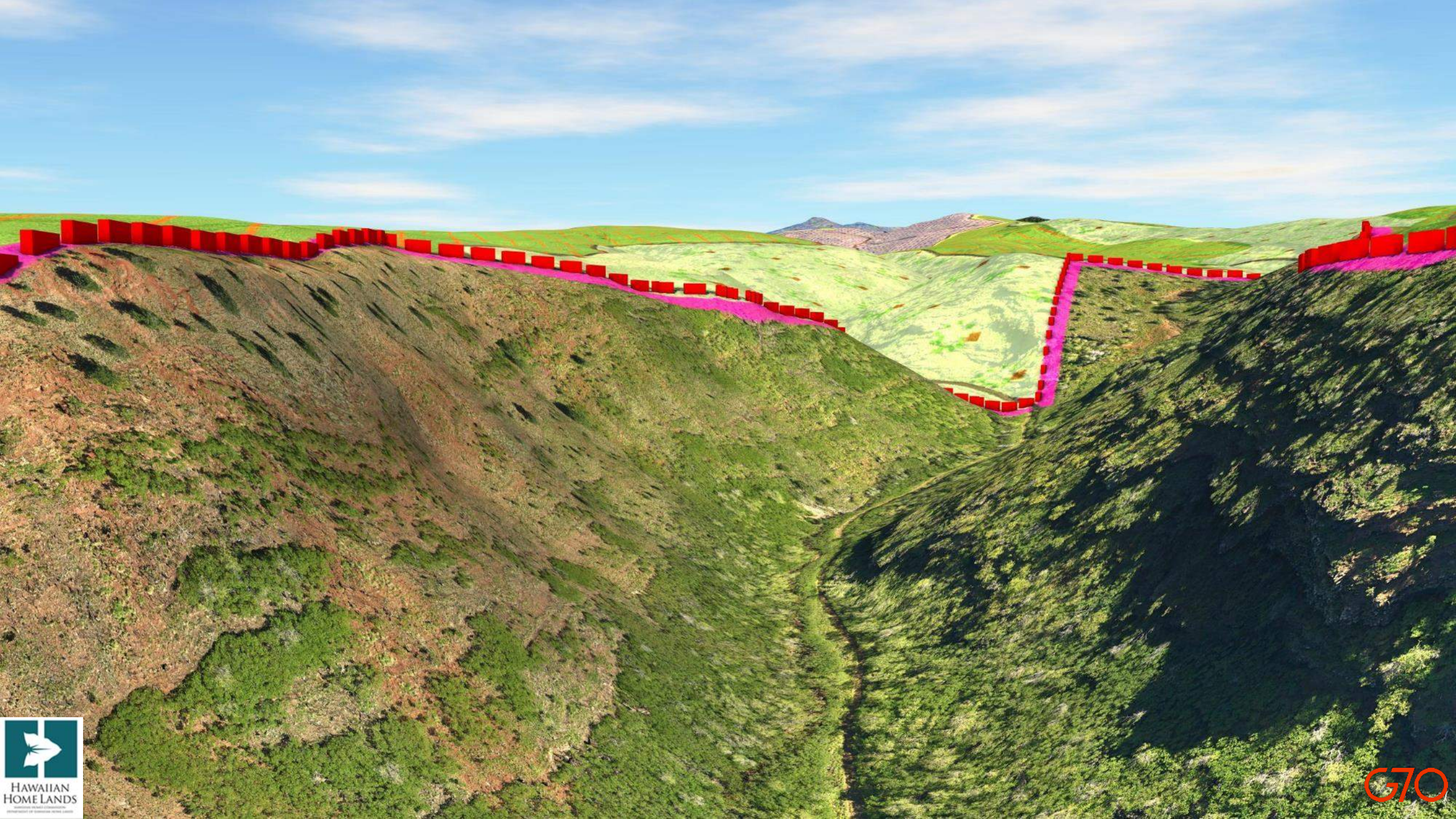
Conceptual Land Use

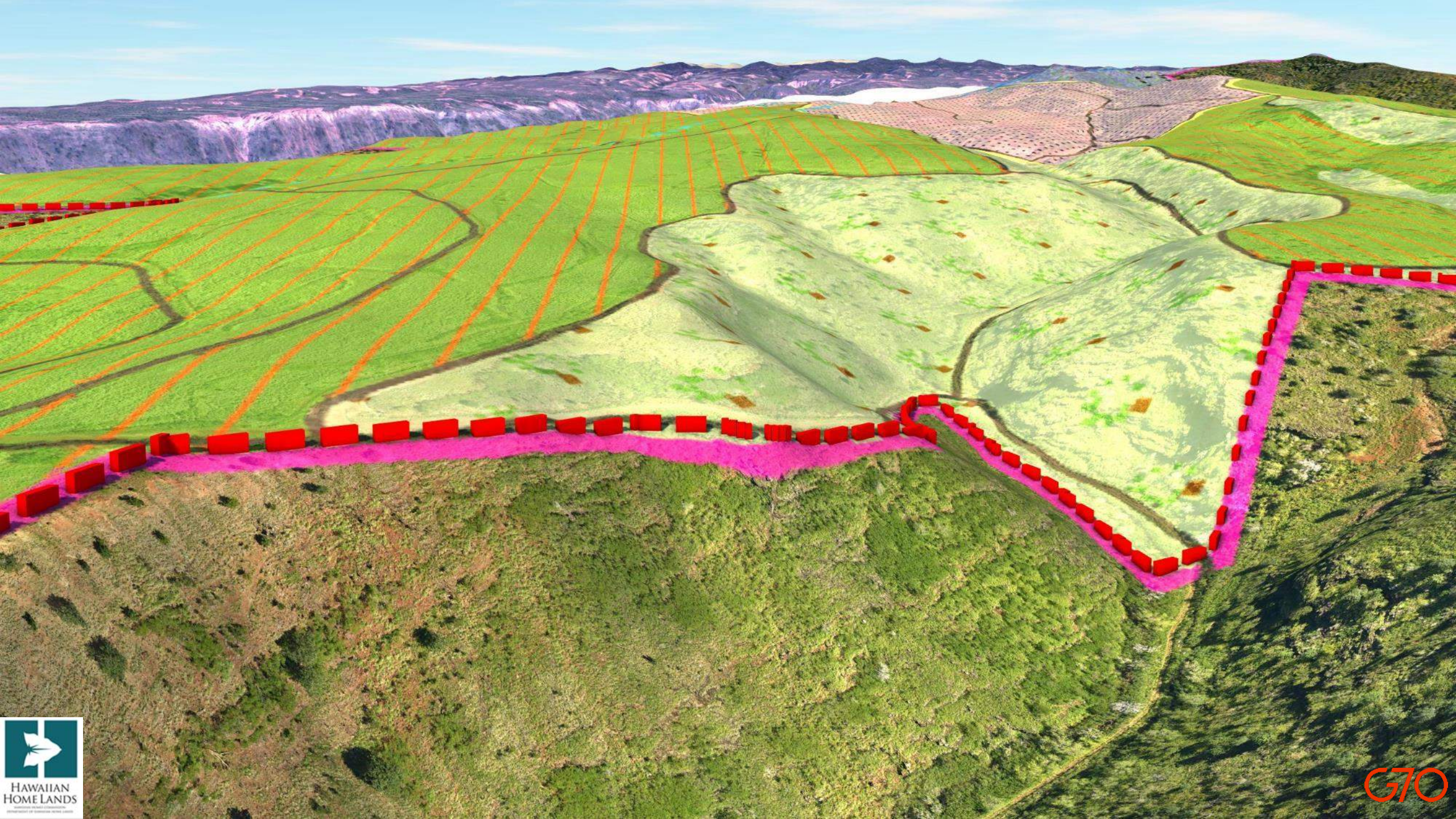
- | | |
|--------------------------------------|-------------------------|
| Kuleana | Community Use |
| Homesteading (ag) & Community Garden | General Agriculture |
| FIP Master Plan | Special District |
| Reforestation | Subsistence Agriculture |

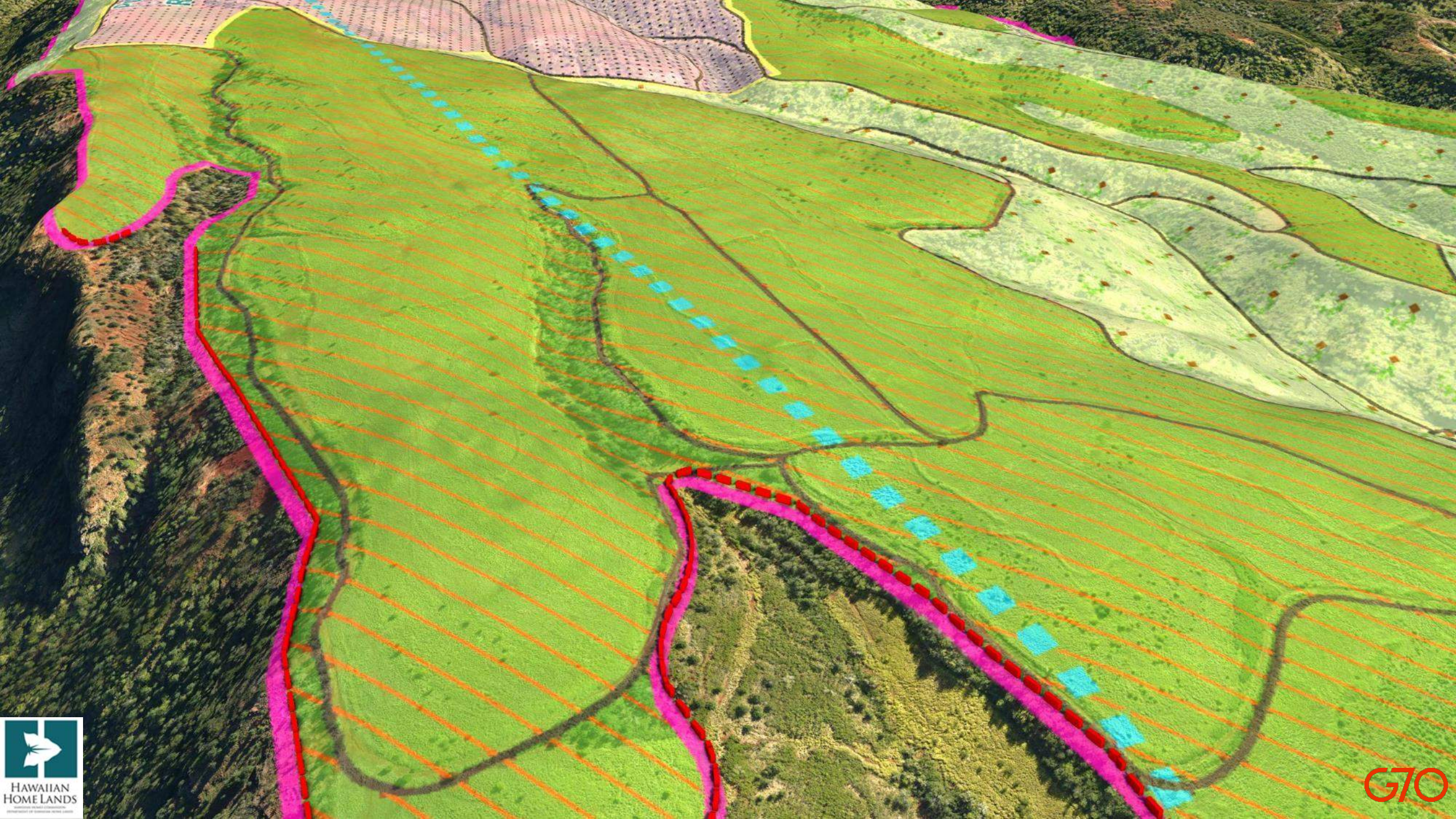


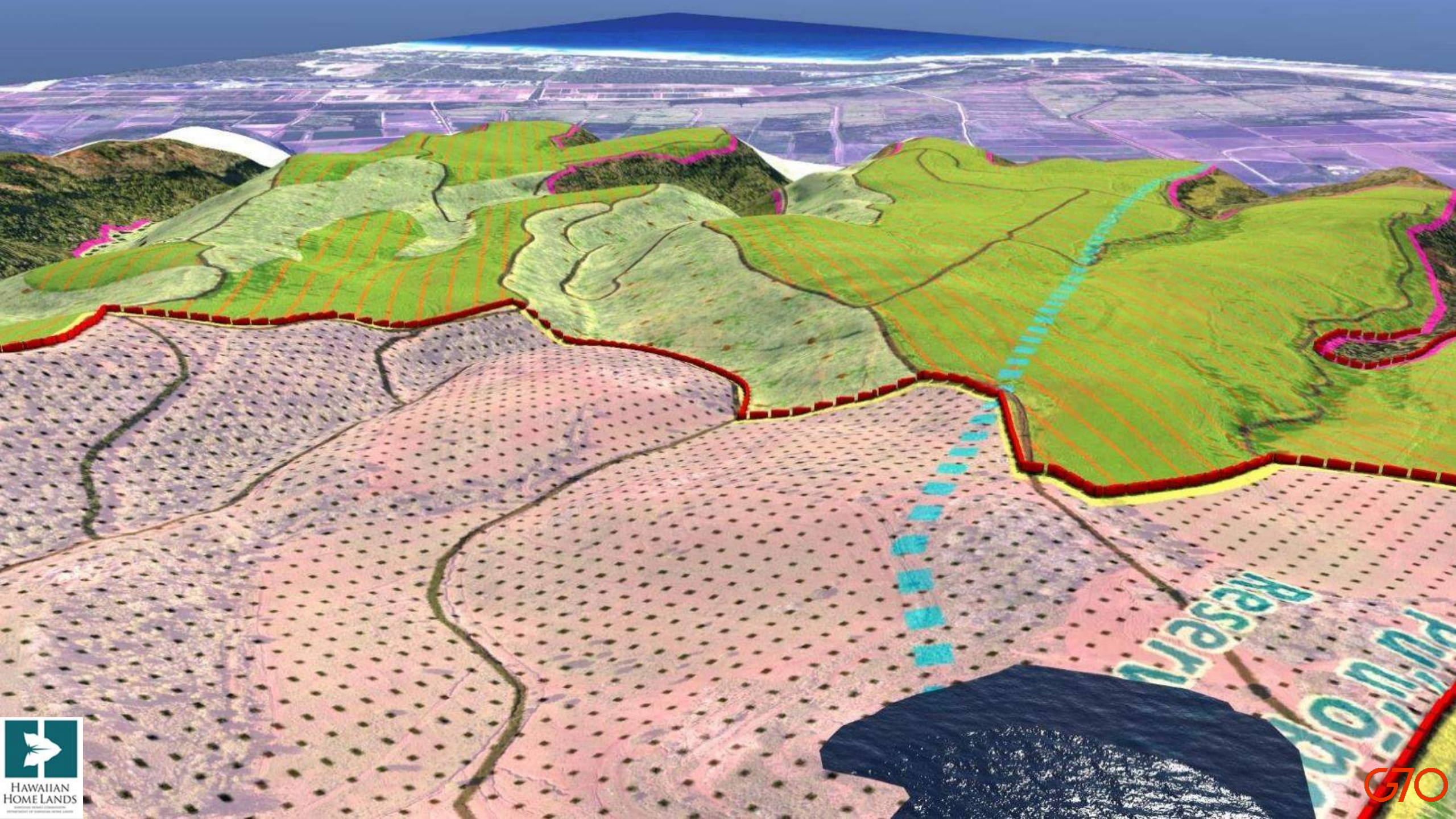
Source: USGS, Hawaii Statewide GIS Program, DHHL













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Next time: Evaluating Lot Schemes

Key things to Consider:

- Number of lots awarded
- Size of parcels
- Density
- Sharing burdens of maintenance and improvements
- Activities/uses adjacent to lots
- Future build-out needs



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Contact:

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QUESTIONS?

Pipi a holo ka'ao...