



HAWAIIAN HOME LANDS

HAWAIIAN HOMES COMMISSION · DEPARTMENT OF HAWAIIAN HOME LANDS

**G-5**

**Anahola Kuleana Homestead Settlement  
Final Environmental Assessment**

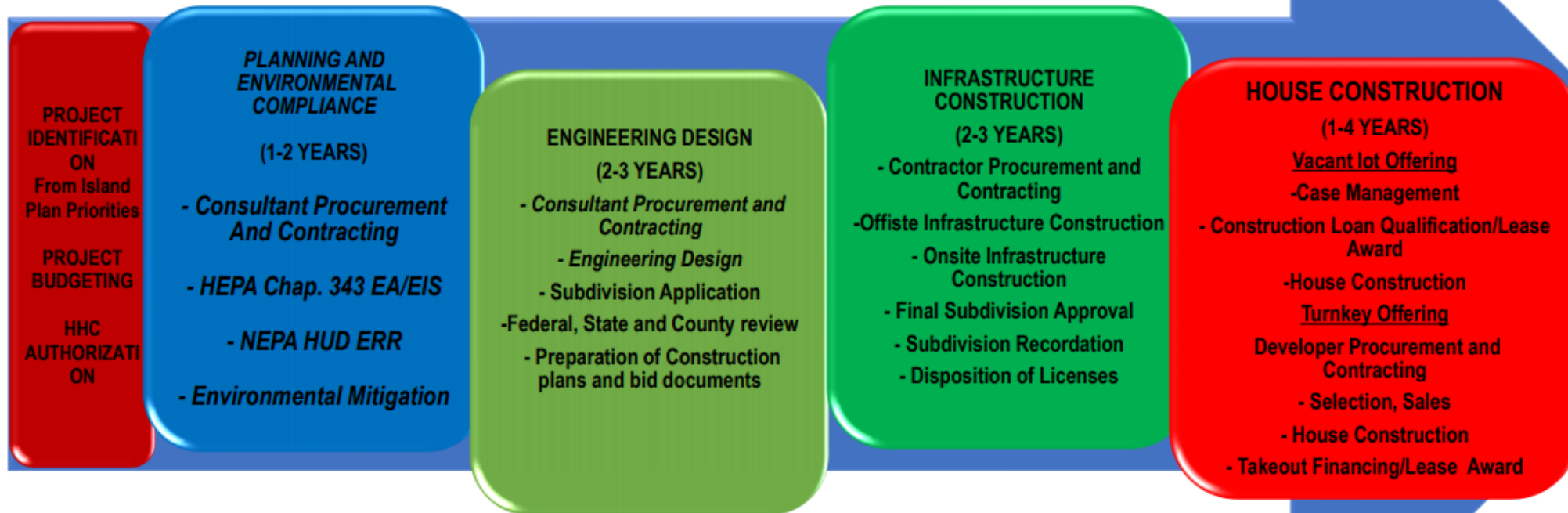
April 20, 2021



# DHHL DEVELOPMENT PROCESS

Generalized 6-8 year process:

## Unimproved Land to House Construction\*



Assumes that all stages have funding authorization and procurement approvals.



# Background

- There are 2,555 combined agriculture and pastoral wait-listers for Kauaʻi
- Many people have been waiting for more than 20+ years
- Beneficiaries expressed a shared frustration that the wait length is too long
- The Kuleana Homesteading Program hopes to expedite the awarding of lots in as-is condition



# Kuleana Homestead Program

## **Kuleana**

Right, privilege, concern, responsibility, title, business, property, estate, portion, jurisdiction, authority, liability, interest, claim, ownership, tenure, affair, province; reason, cause, function, justification; small piece of property, as within an ahupua'a

## **Ho'okuleana**

To entitle, give right to possess; to give a responsibility



# Kuleana Homestead Program

## Initial Kuleana Homestead Program Goals:

1. To provide immediate access for the purposes of settlement and active use of the land by waitlist beneficiaries;
2. To provide an alternative development model by providing “off-grid” living options with minimal levels of infrastructure;
3. To empower, educate, and engage beneficiaries with higher levels of individual and communal responsibilities;
4. To encourage beneficiary utilization of traditional ecological knowledge derived from place-based learning and observation to effectively manage Hawaiian Home Lands





# Kuleana Homestead Lease Administrative Rules

- **HAR Section 10-3-30, adopted in 1998**



## **DHHL's Kuleana**

1. Metes and bounds descriptions of lots; and
2. An unpaved right-of-way to the awarded lots.

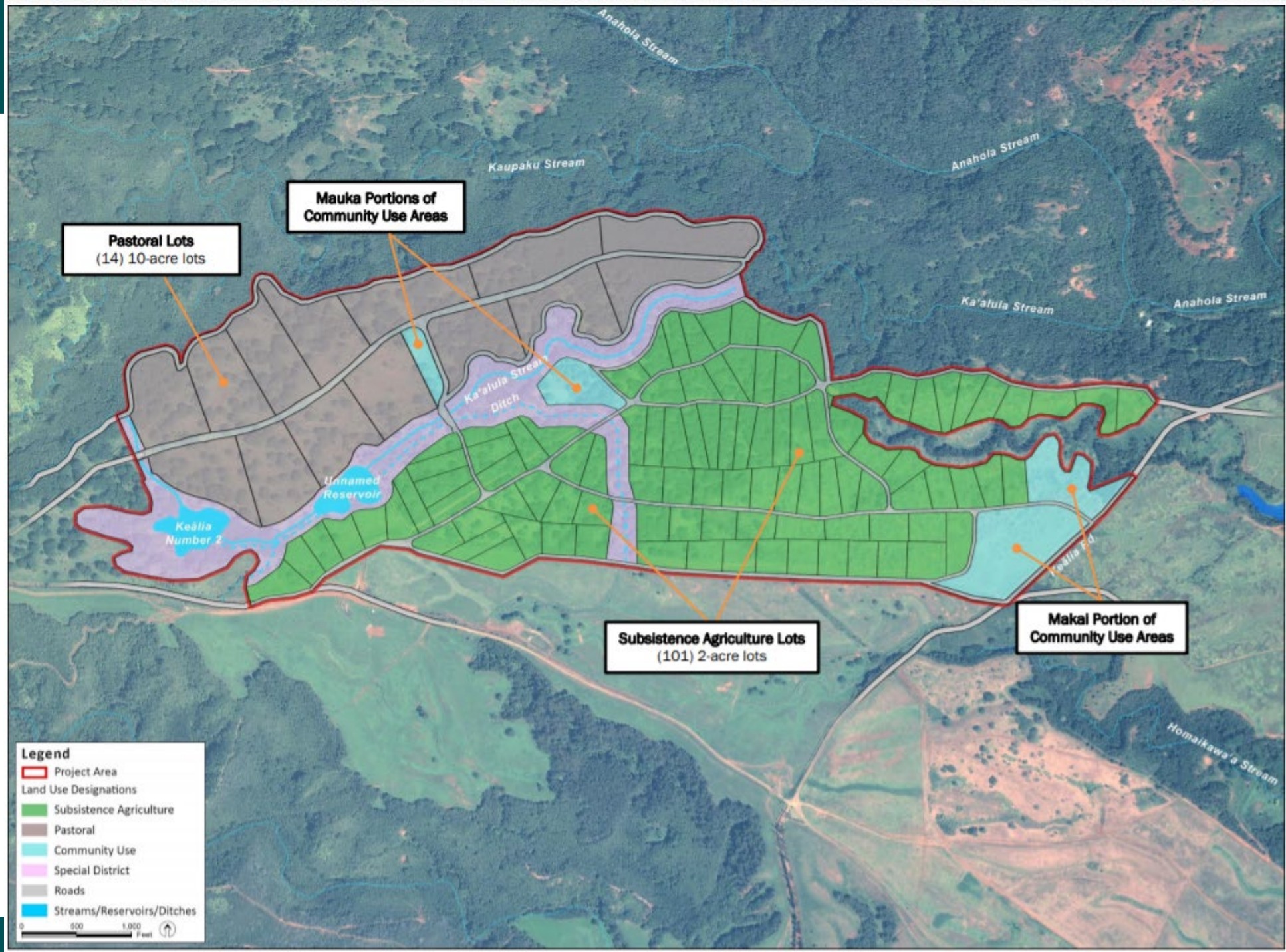
## **Lessees' Kuleana**

1. Agrees to participate as an active member in the kuleana homestead association
2. Agrees to accept the lot in its “as is” condition and make improvements to settle on to the lot; and
3. Lessee agrees to participate in communal activities including the maintenance of the right-of-way to the kuleana tract and lots.

# Purpose of Kuleana Settlement at Anahola



- The purpose of the Anahola Kuleana Homestead Settlement is to award Kuleana Subsistence Agriculture and Pastoral lots to beneficiaries on the Kaua'i Island Agriculture and Pastoral Waitlists
- The site characteristics of various DHHL tracts were assessed and Anahola was selected as an ideal location to implement a Kuleana Homestead Program on Kaua'i



**Pastoral Lots**  
(14) 10-acre lots

**Mauka Portions of  
Community Use Areas**

**Subsistence Agriculture Lots**  
(101) 2-acre lots

**Makai Portion of  
Community Use Areas**

**Legend**

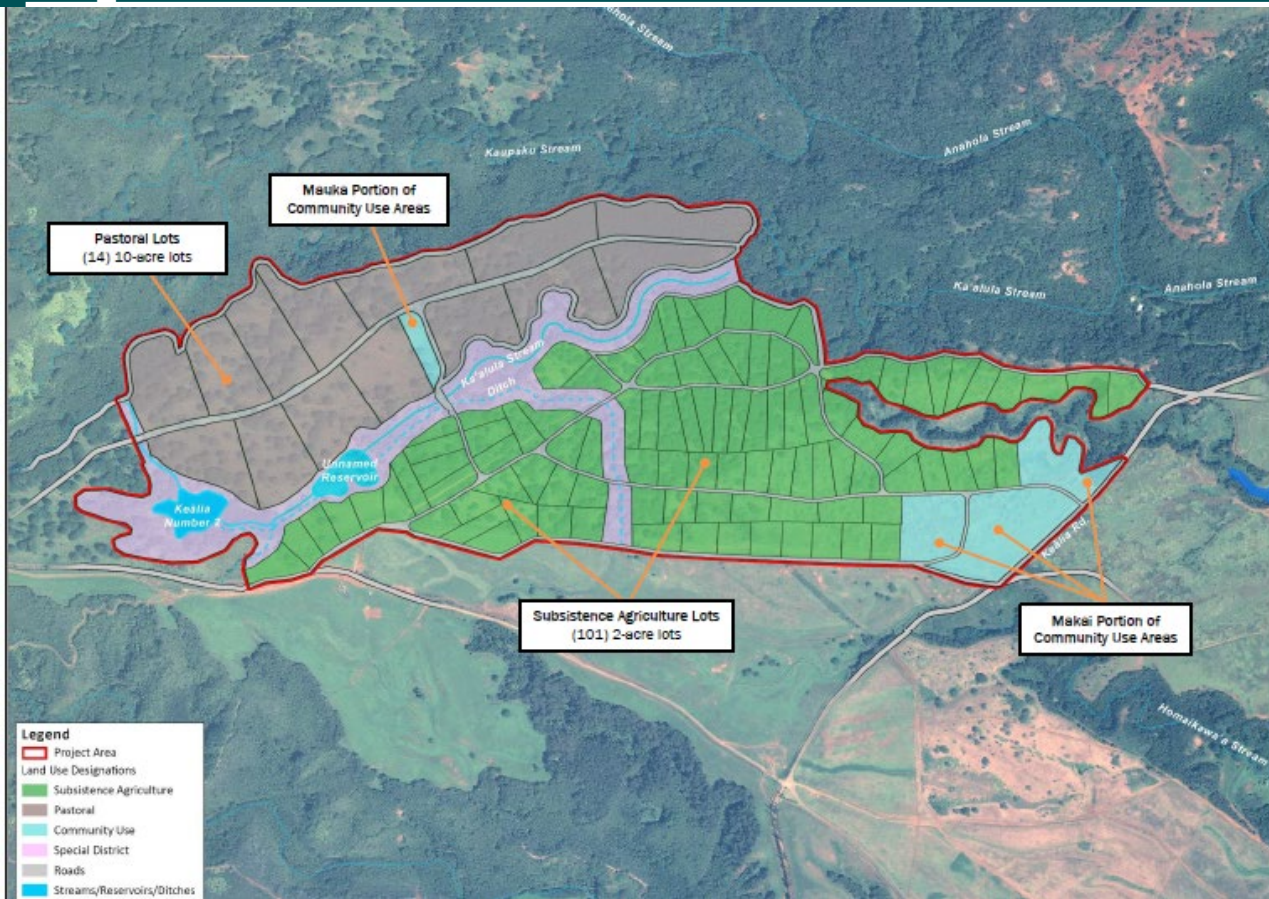
- Project Area
- Land Use Designations
  - Subsistence Agriculture
  - Pastoral
  - Community Use
  - Special District
- Roads
- Streams/Reservoirs/Ditches

0 500 1,000 Feet

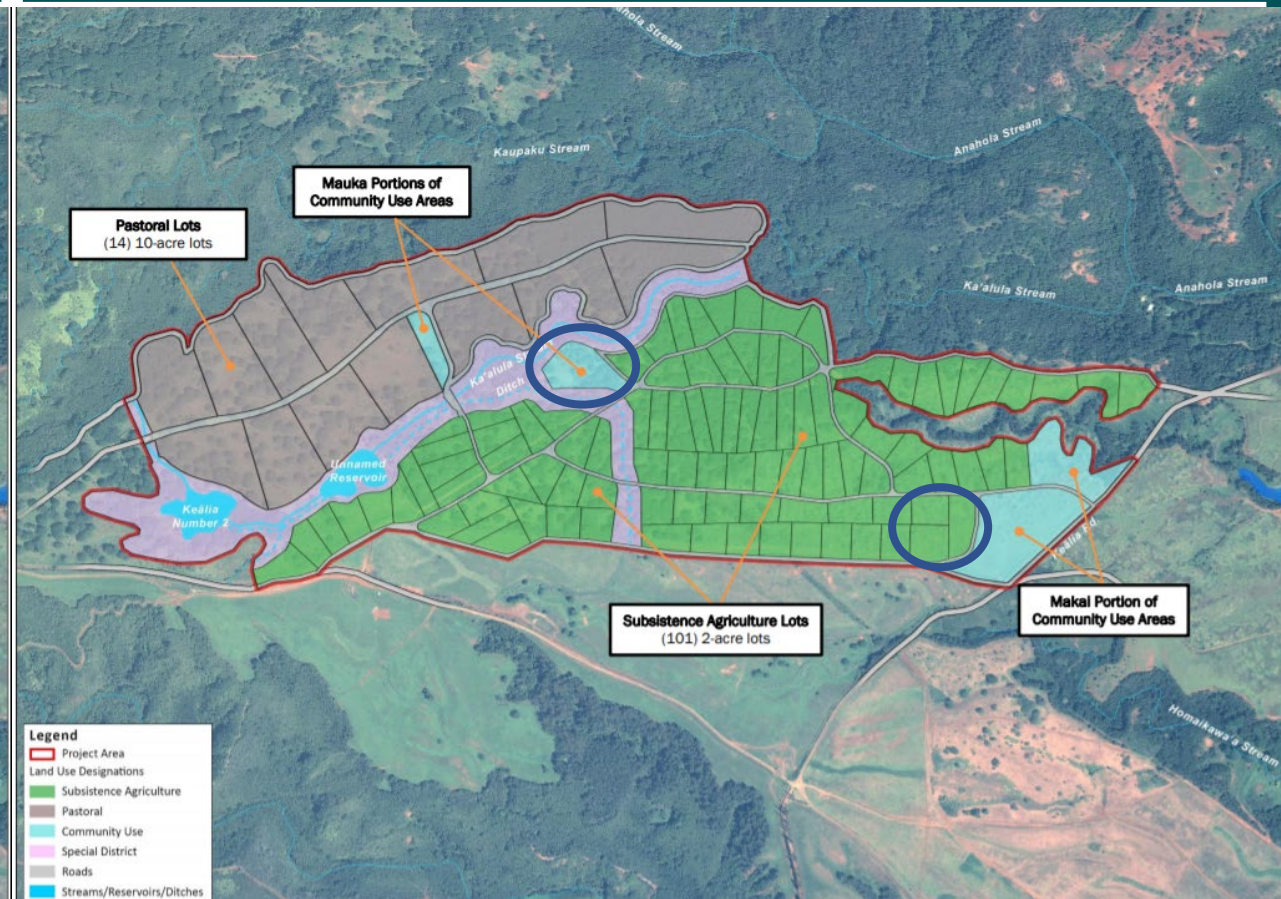




# Proposed Anahola Lot Scheme



2020



2021



# Proposed Anahola Lot Scheme

<b>Subsistence Agriculture</b>	202 acres
<b>Subsistence Agriculture Lots</b>	(101) 2-acre lots
<b>Pastoral</b>	140-acres
<b>Pastoral Lots</b>	(14) 10-acre lots



# Proposed Anahola Lot Scheme

<b>Supplemental Agriculture</b>	63 acres
<b>Community Use</b>	32 acres
<b>Special District</b>	88 acres



# Proposed Anahola Infrastructure

## Roads & Access

- Unpaved gravel roads

## Drainage & Erosion

- Lessees will be responsible for drainage improvements on lot; improvements must be compliant with County standards

## Water Supply

- Natural rainfall (61 inches annually)
- Catchment
- Irrigation water – **potential to utilize existing reservoirs**



# Proposed Anahola Infrastructure

## Wastewater

- Individual wastewater systems or composting toilet

## Electricity

- Responsibility of each lessee
- Kuleana Homestead Association at some point in the future could consider a community microgrid



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# Next Steps for EA Completion

Publish the Anahola Draft Environmental Assessment  
May 8, 2020



Revise DEA per public comments and complete Final Environmental Assessment  
(Almost pau)



HHC FONSI declaration for the project and FEA submitted to OEQC for publication  
(June 2021)



Public Comments Received on Draft Environmental Assessment  
Summer 2020

Present FEA to HHC Approval of FEA/FONSI  
May 2021





# Draft Environmental Assessment

## Public Comments Received From:

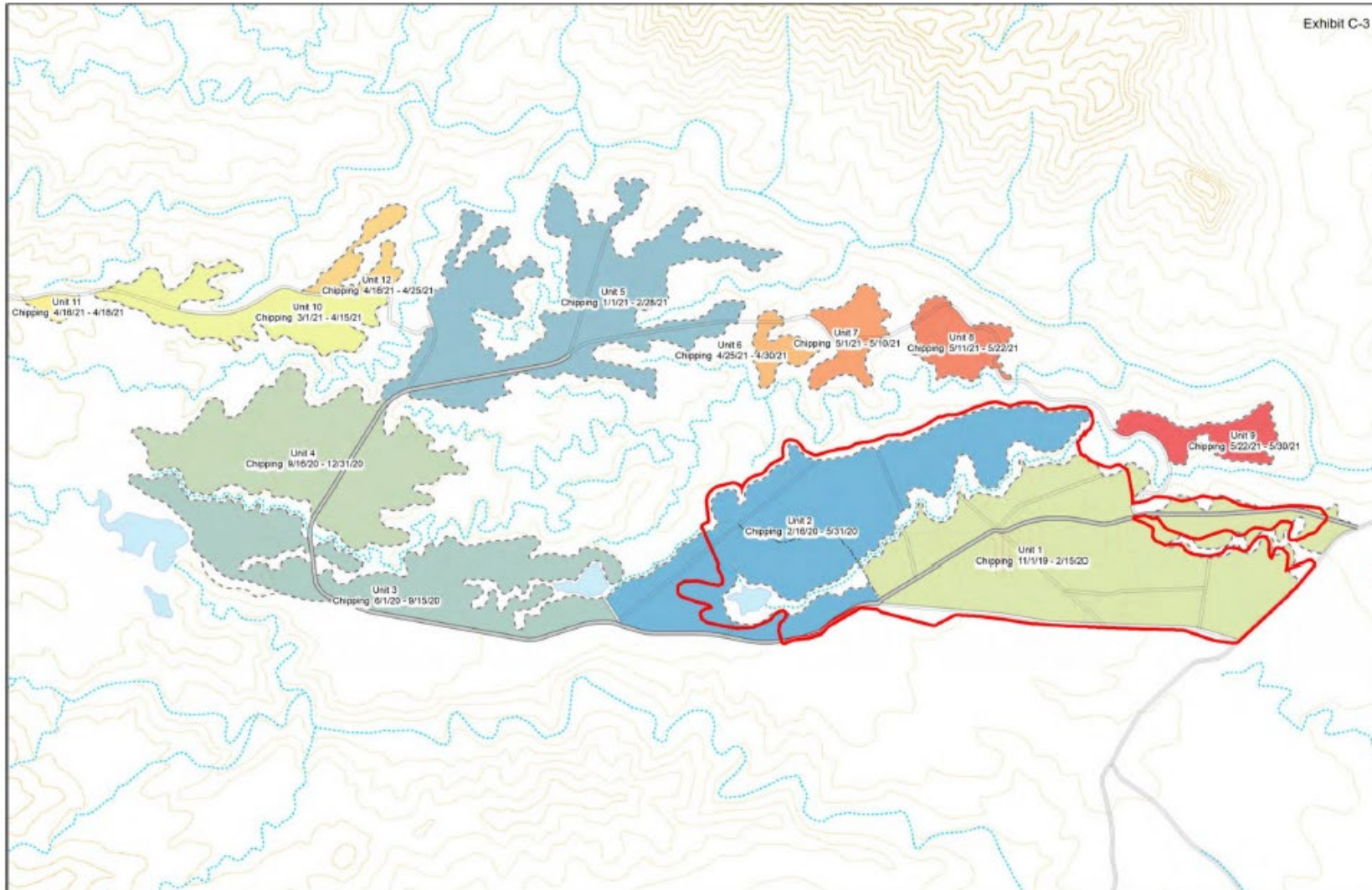
- Department of Land and Natural Resources
  - Commission on Water Resource Management
  - Division of Aquatic Resources
  - Division of Forestry and Wildlife
- Department of Health – Wastewater Branch
- Department of Transportation
- County of Kaua‘i
  - Planning Department
  - Public Works Department
  - Fire Department
- Sovereign Council of Hawaiian Homestead Associations
- Five individuals (four written, one verbal)





# Draft Environmental Assessment Revisions

## Green Energy Team Albizia Removal 2020-2021





# Draft Environmental Assessment Revisions

Green Energy Team Albizia Removal and Road Improvements 2020-2021





# Draft Environmental Assessment Revisions

Green Energy Team Albizia Removal and Road Improvements 2020-2021

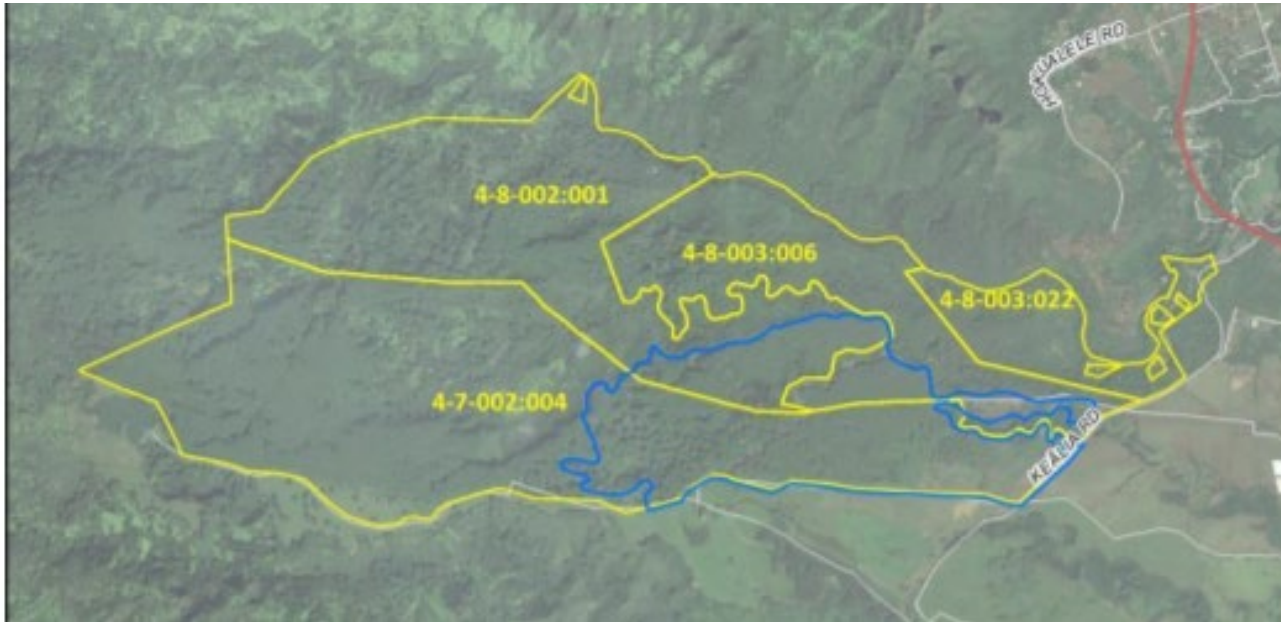


Improved roadway near southern boundary of DHHL property facing west (mauka)

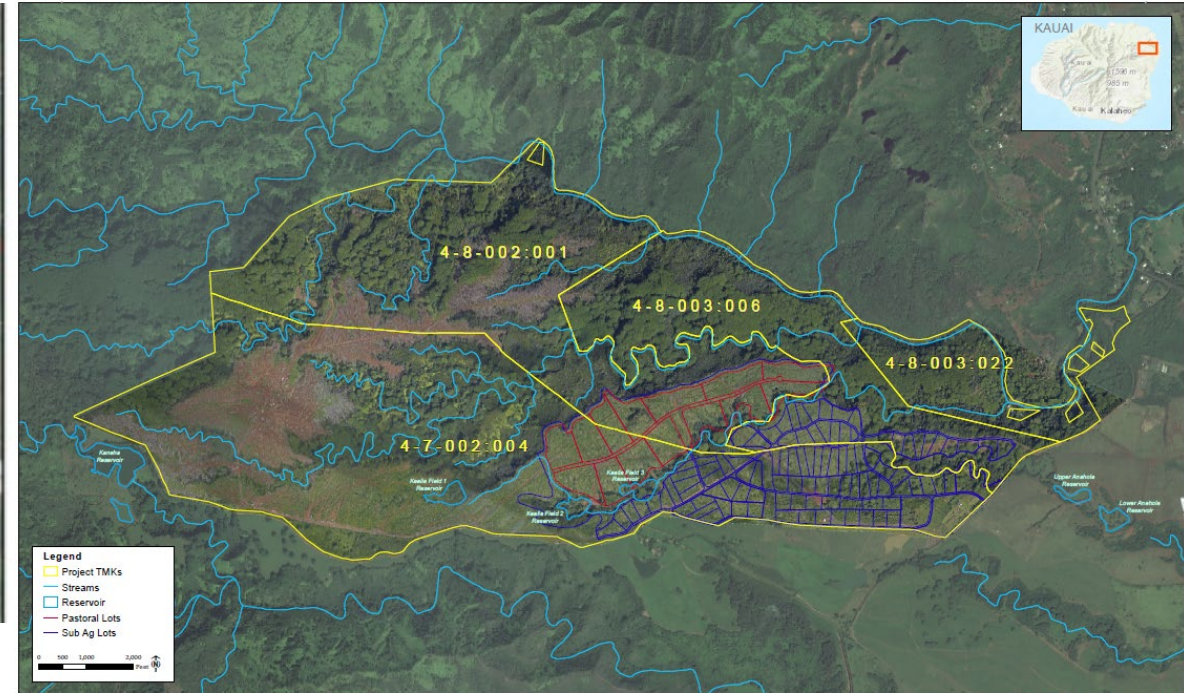


# Draft Environmental Assessment Revisions

## Green Energy Team Albizia Removal and Road Improvements 2020-2021



2018



DHHL ANAHOLA KULEANA HOMESTEAD

FIGURE 01 - LOCATION MAP

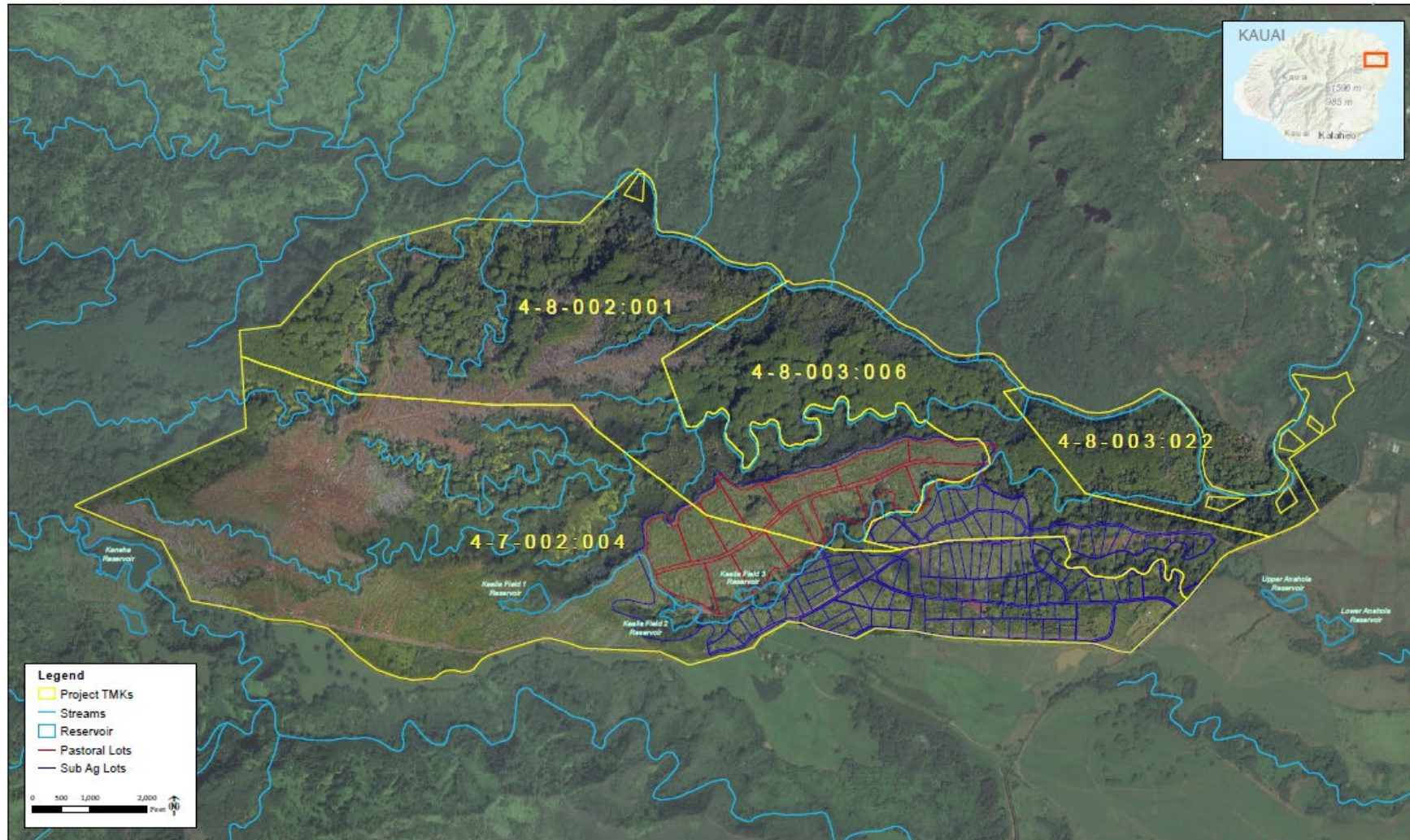


January 2021



# Draft Environmental Assessment Revisions

DHHL Conducted a Supplemental Non-Potable Water Infrastructure Study



DHHL ANAHOLA KULEANA HOMESTEAD

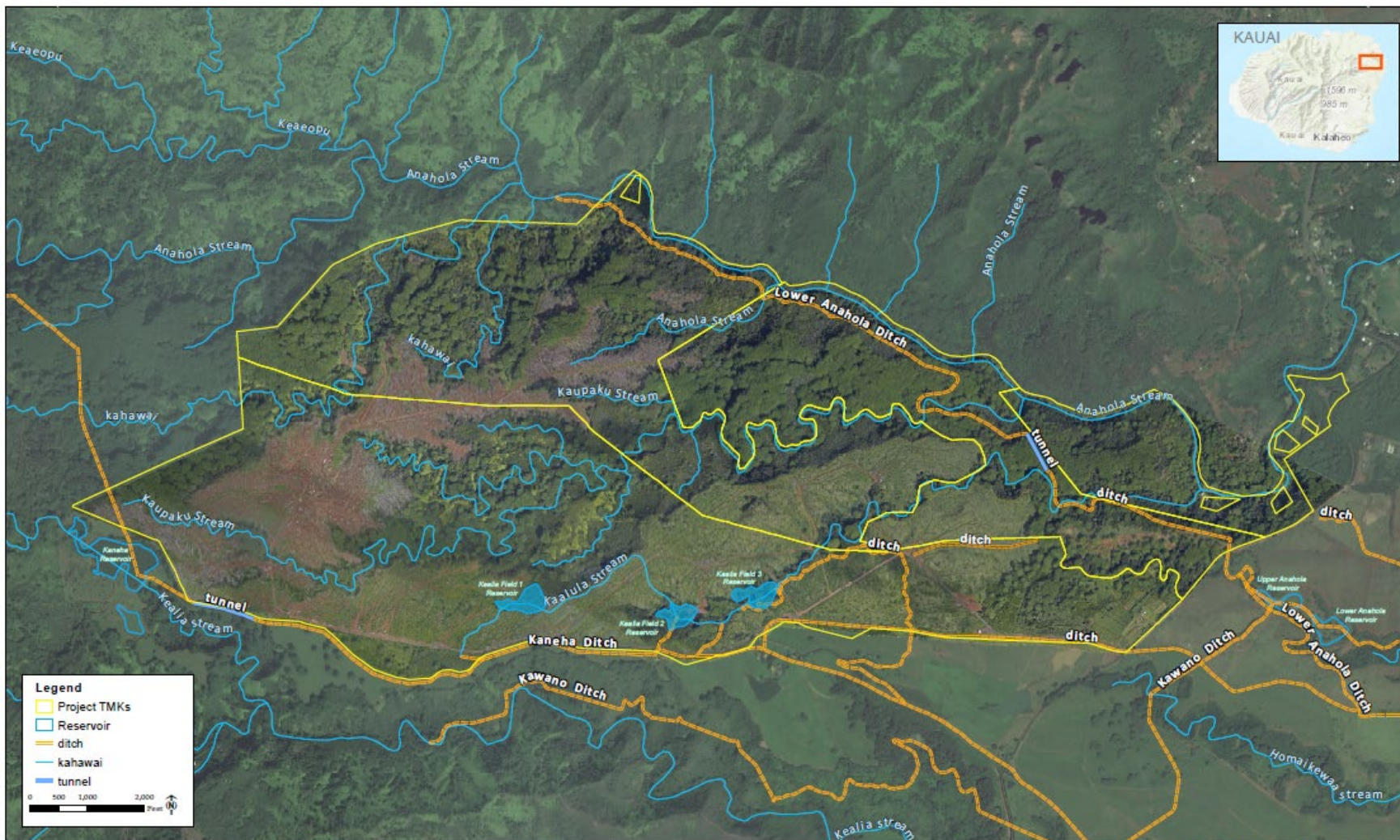
FIGURE 01 - LOCATION MAP





# Draft Environmental Assessment Revisions

Historical water and irrigation systems were researched and mapped



DHHL ANAHOLA KULEANA HOMESTEAD

FIGURE 04 - SURFACE WATER MAP





# Draft Environmental Assessment Revisions

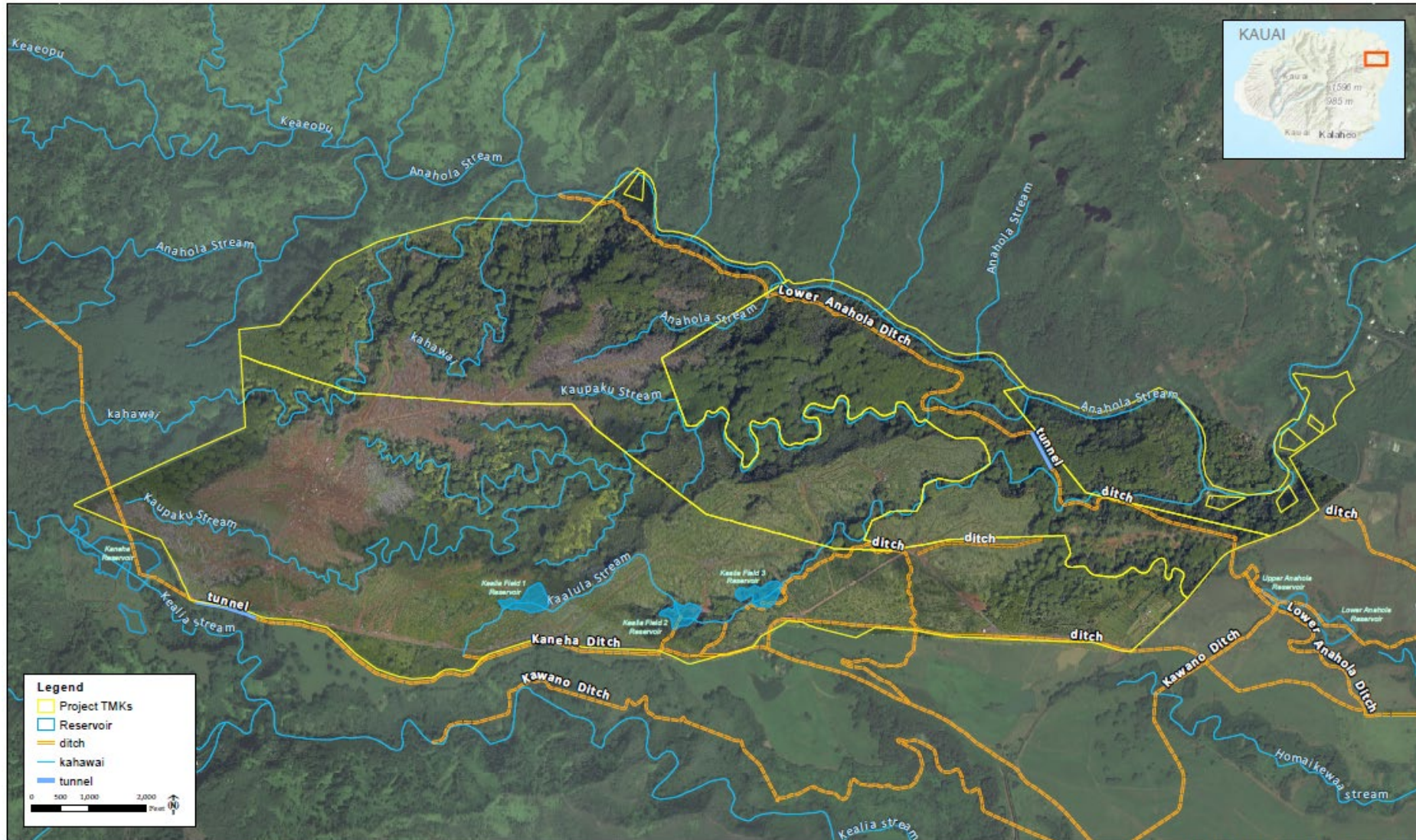
March 1, 2021 Site Visit





# Draft Environmental Assessment Revisions

## Supplemental Non-Potable Water Infrastructure Study Findings



DHHL ANAHOLA KULEANA HOMESTEAD

FIGURE 04 - SURFACE WATER MAP







# Draft Environmental Assessment Revisions

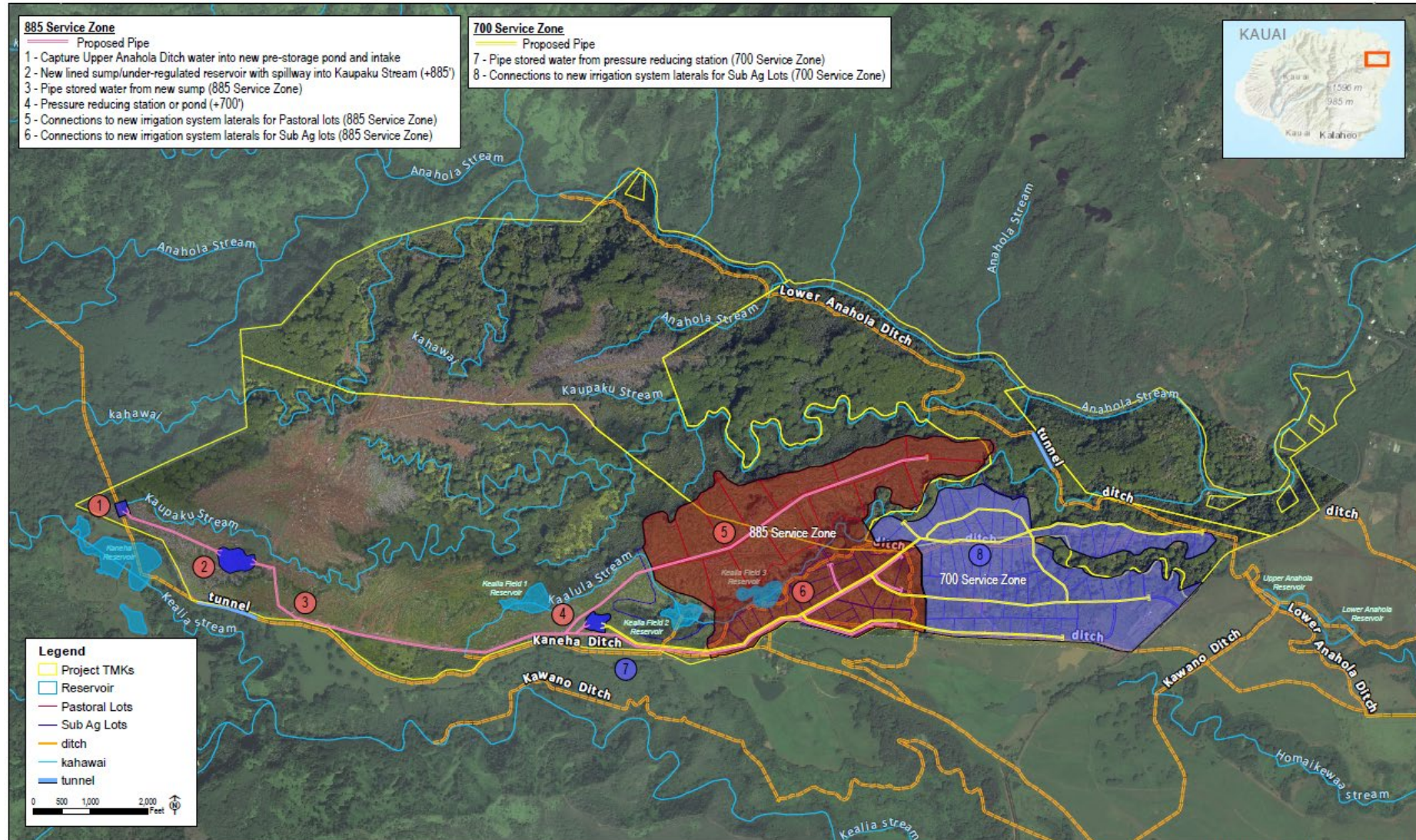
## Potential Options for Non-Potable Water Improvements:

1. Developing an under-regulated onsite water storage and pipe system;
2. Restoring Upper Anahola Ditch discharge into Kaneha Reservoir and seeking a water mediation agreement with Kealia Irrigation Company to use Kaneha Reservoir water and;
3. Installing a direct pipe intake with Upper Anahola Ditch and piping the water to the Anahola Kuleana Homestead project area or providing a spigot intended for community use.



# Draft Environmental Assessment Revisions

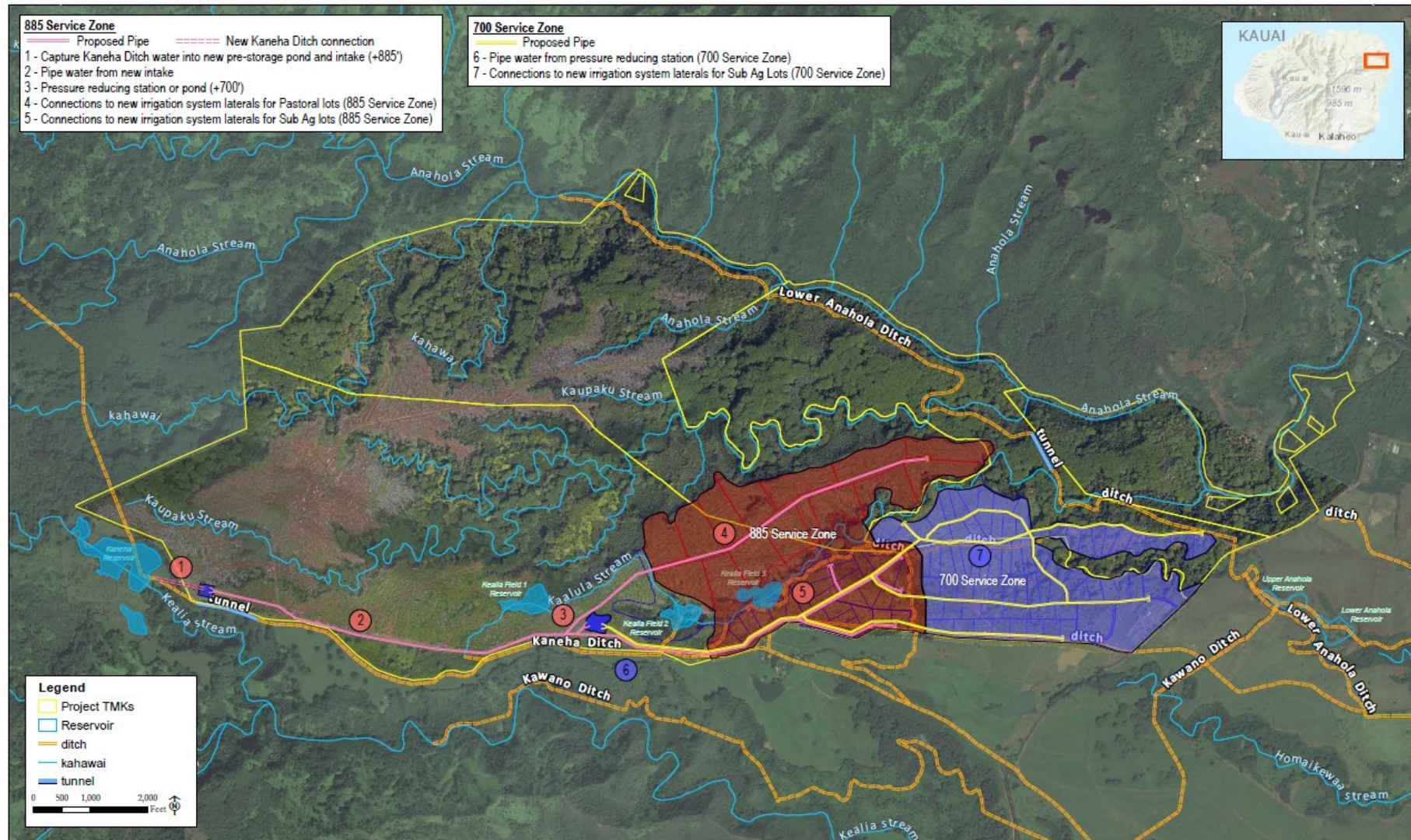
Option 1: Developing an under-regulated onsite water storage and pipe system;





# Draft Environmental Assessment Revisions

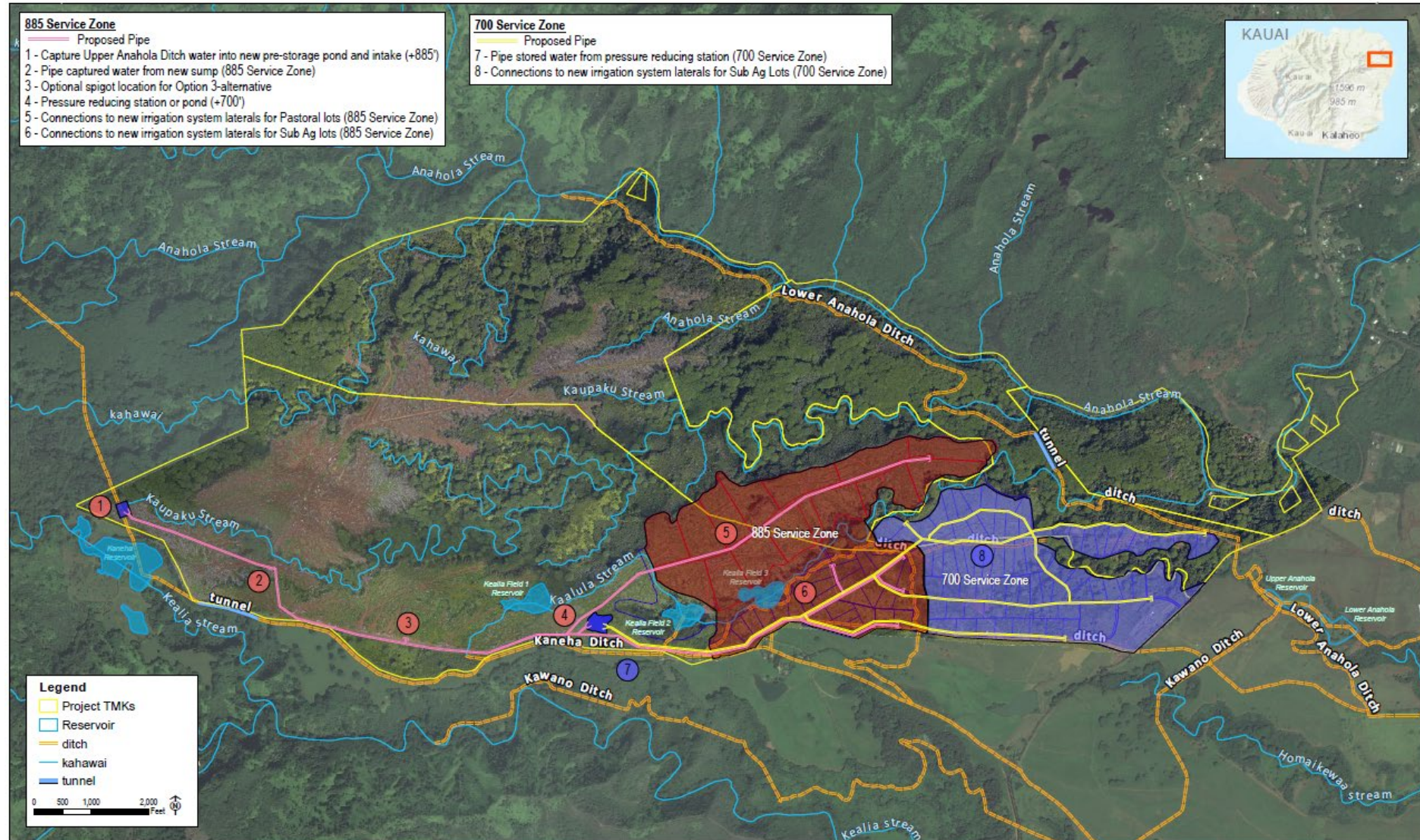
## Option 2: Restoring Upper Anahola Ditch Discharge into Kaneha Reservoir





# Draft Environmental Assessment Revisions

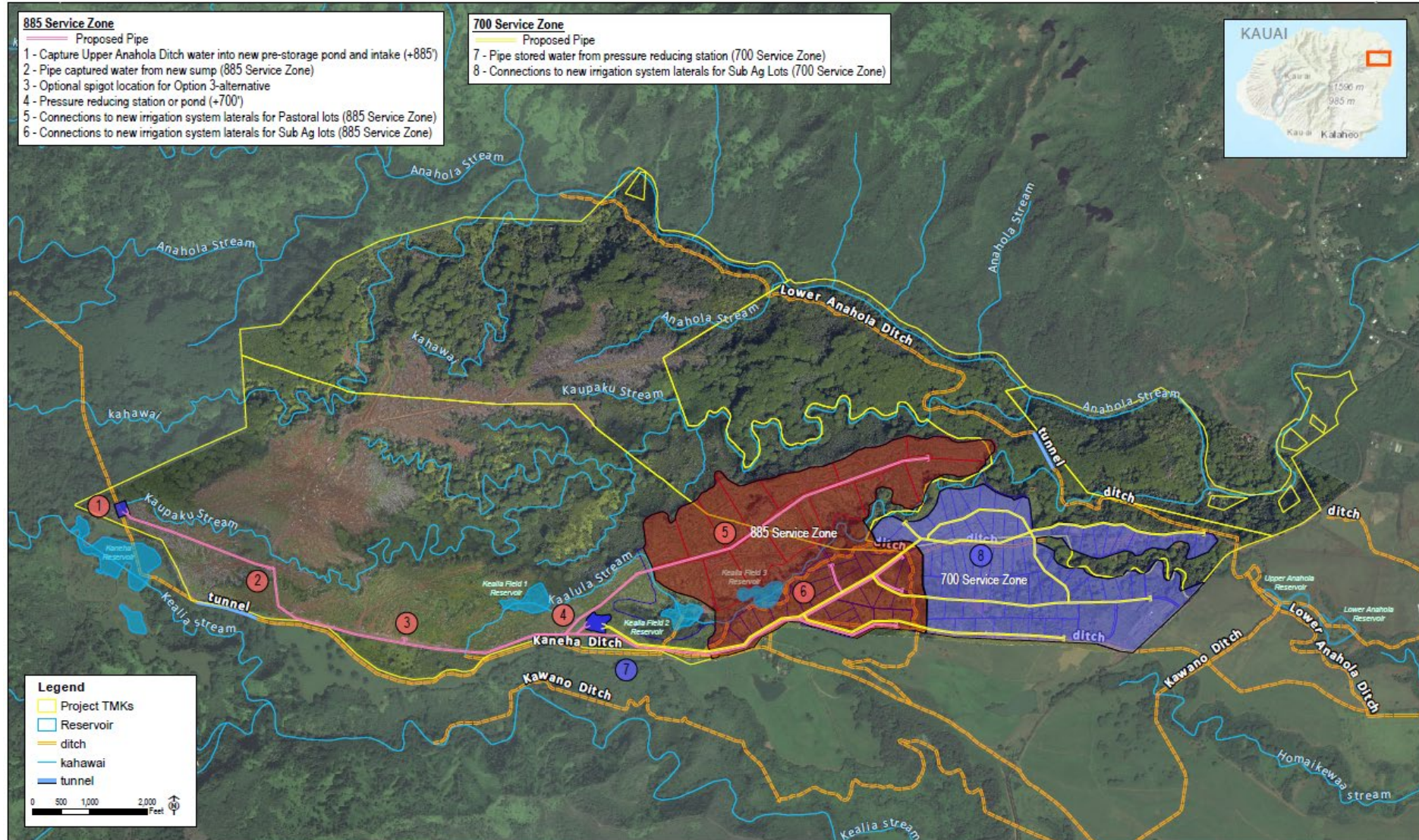
## Option 3: Install a direct pipe intake with Upper Anahola Ditch and Pipe Water





# Draft Environmental Assessment Revisions

## Option 3: Install a direct pipe intake with Upper Anahola Ditch and Pipe Water





# Draft Environmental Assessment Revisions

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**All Options will be included in the Final EA**



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# Anticipation of Finding of No Significant Impact

## 13-Criteria of Significance

<b>1. Involves an irrevocable loss or destruction of any natural or cultural resources.</b>	<b>8. Is individually limited but cumulatively has considerable effect upon the environment or involves a commitment for larger actions</b>
<b>2. Curtail the range of beneficial uses of the environment</b>	<b>9. Substantially affects a rare, threatened or endangered species, or habitat.</b>
<b>3. Conflict with the state's long-term environmental policies or goals and guidelines....</b>	<b>10. Detrimentially affects air or water quality or ambient noise levels.</b>
<b>4. Substantially affects the economic or social welfare of the community or state.</b>	<b>11. Affects or is likely to suffer damage by being located in an environmentally sensitive area such as flood plain, tsunami zone, beach, or erosion-prone area.....</b>
<b>5. Substantially affects public health</b>	<b>12. Substantially affects scenic vistas and view-planes identified in county or state plans or studies.</b>
<b>6. Involves substantial secondary impacts, such as population changes or effects on public facilities</b>	<b>13. Require substantial energy consumption</b>
<b>7. Involves a substantial degradation of environmental quality</b>	





# Next Steps for Overall Project Implementation

- Ensure compliance with historic preservation laws
- Staking of lots, and recordation of metes and bounds
- Green Energy Team finish Albizia Removal and Road Improvements
- Interim management of cleared albizzia areas during the period of time between albizzia clearing and lessee settlement of the area
- Notification to the existing ROE permit holders in the homestead settlement area that ROE permits will be cancelled
- Waitlist applicant orientation to the kuleana homestead lifestyle and award offerings
- Convene conversations related in which Kuleana Homestead Association develops its governing documents
- DOH- wastewater disposal compliance
- U.S. Department of Agriculture - rural development loans



# Mahalo

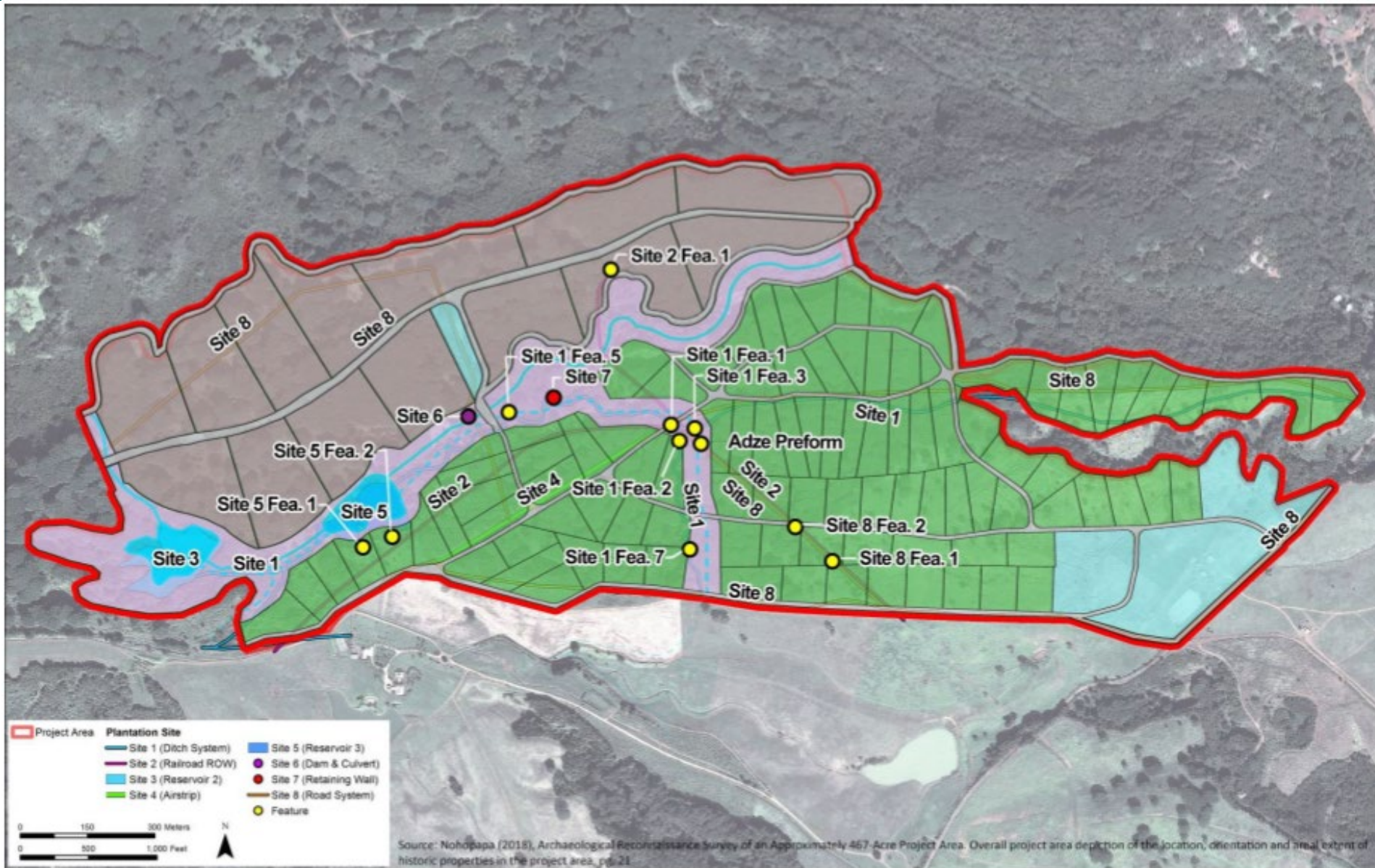


DEPARTMENT OF HAWAIIAN HOME LANDS

[www.dhhl.hawaii.gov](http://www.dhhl.hawaii.gov)



# Historic and Cultural Resources



8 Plantation Era historic properties were found

One traditional Hawaiian stone tool was found.