

# **West Hawai'i Water Projects Update**

**Hawaiian Homes Commission (HHC) Meeting  
Andrew Choy, Acting Planning Program Manager  
Jonathan Likeke Scheuer, Consultant  
May 16, 2022**

Honokāia, Hawai'i

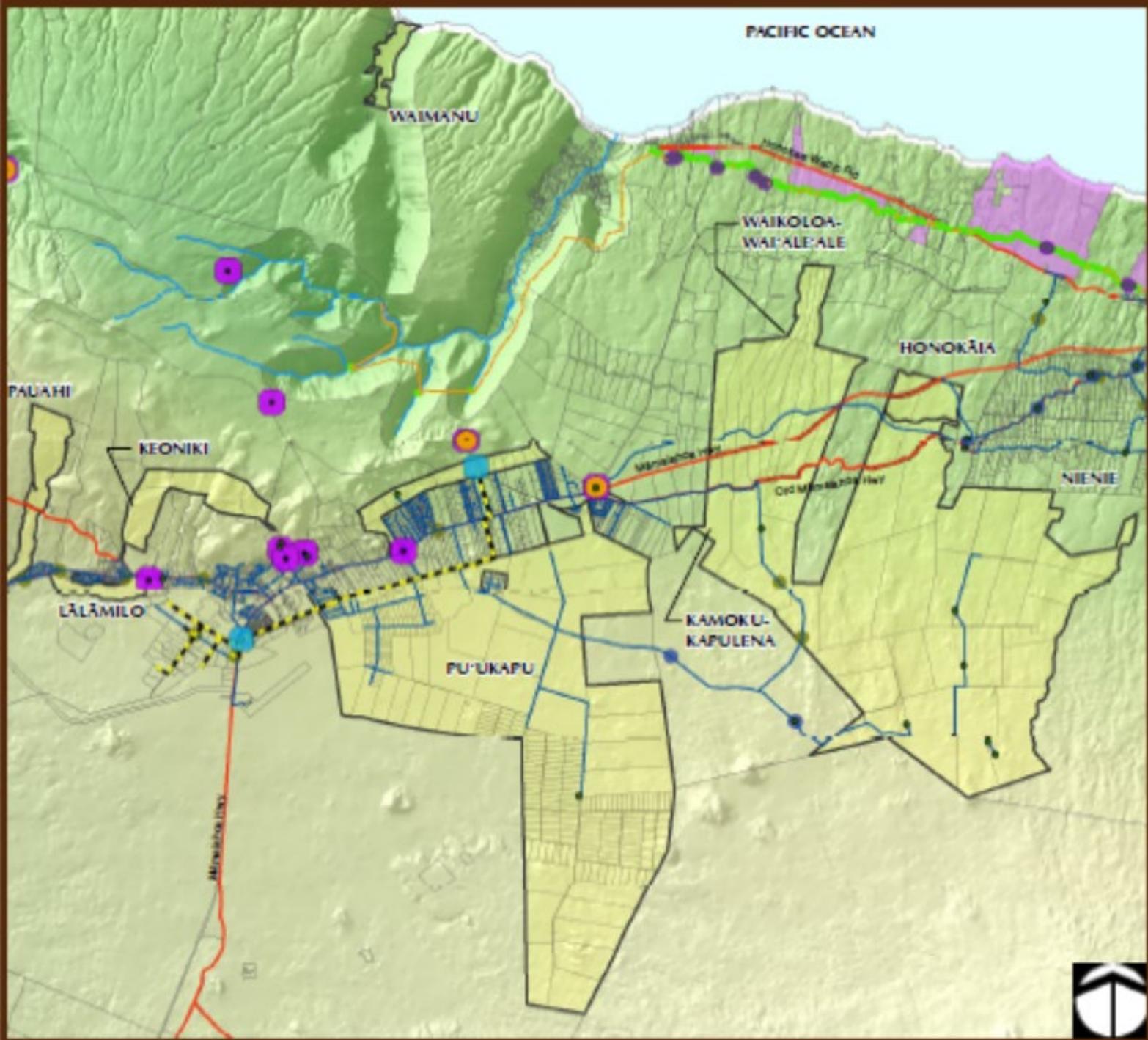
# **West Hawai'i Water Projects Update**

- I. Planning Regions Covered**
- II. Future Water Demands**
- III. Existing Water Reservations**
- IV. Updates: Actions to turn reservations to  
“wet water”**

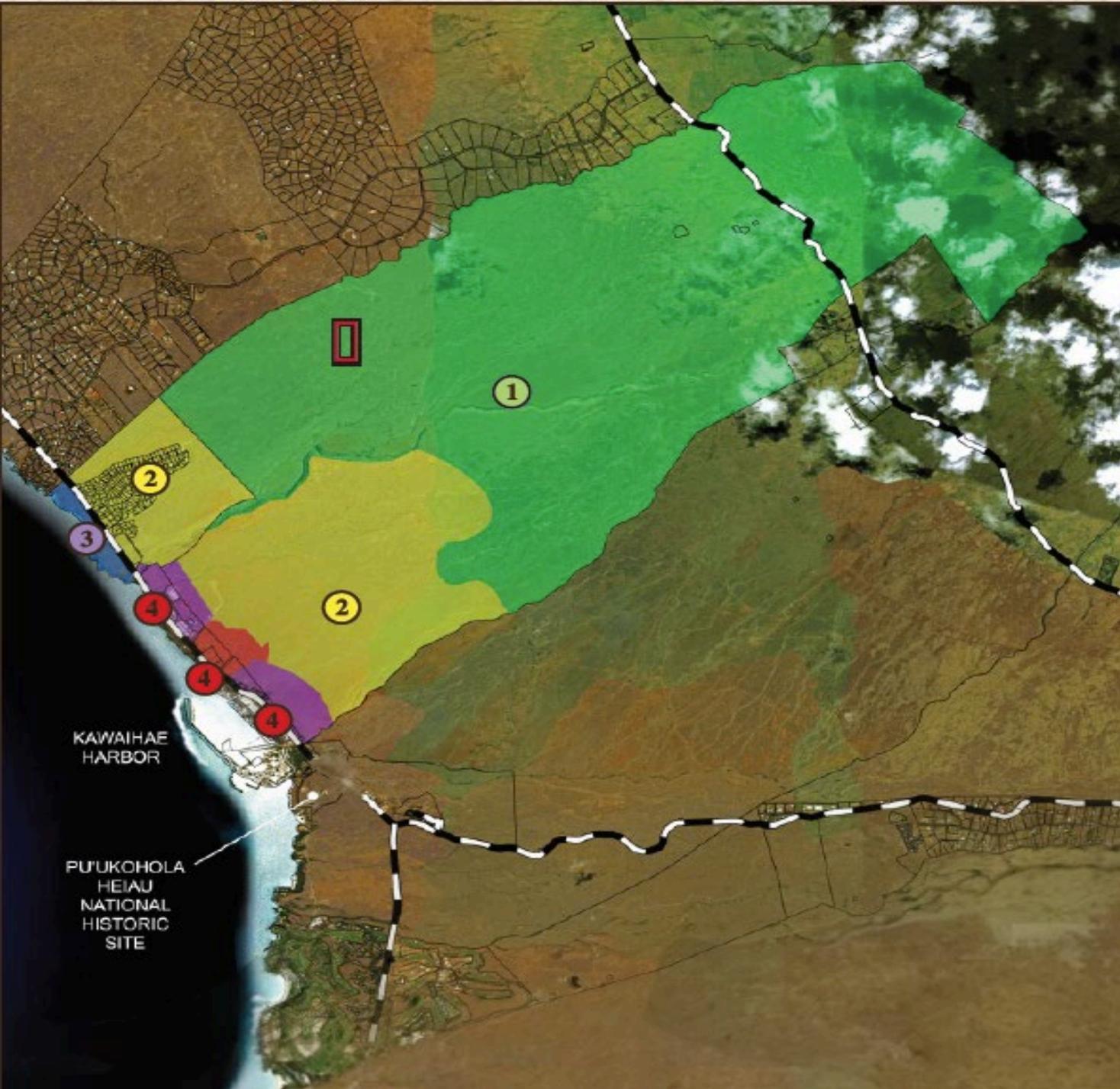
# I. Planning Regions Covered

- Waimea Nui
- Kawaihae
- Kealakehe-La'i 'Ōpua





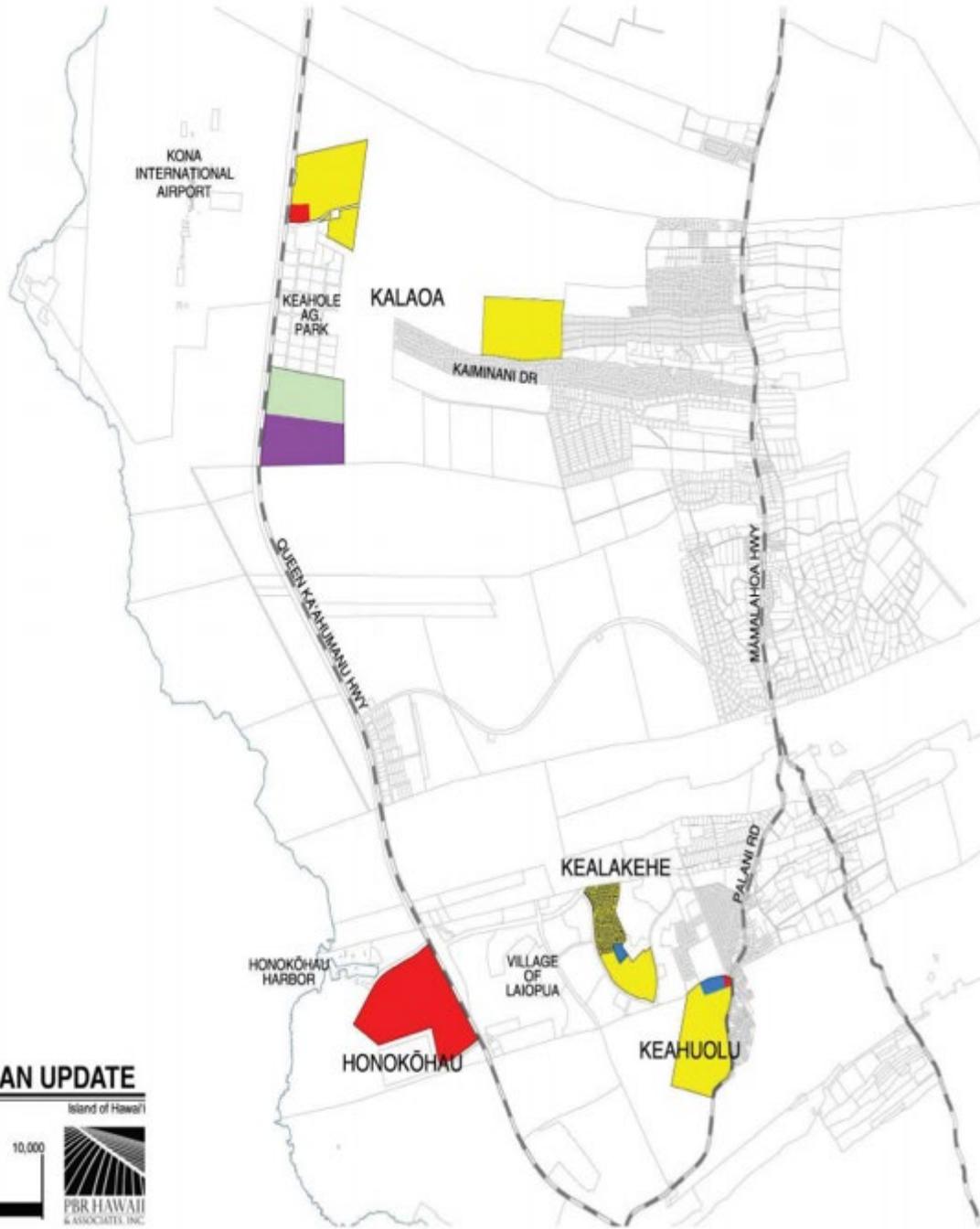
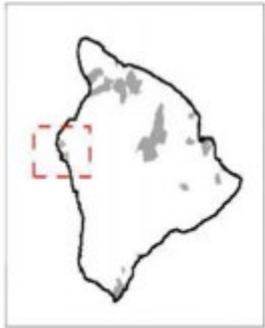
Waimea  
Nui



KAWAIHAE HARBOR

PU'UKOHOLA HEIAU NATIONAL HISTORIC SITE

# Kawaihae Planning Region



- Legend**
- Land Use Categories**
- Commercial
  - Community Use
  - Conservation
  - General Agriculture
  - Industrial
  - Pastoral
  - Residential
  - Special District
  - Subsistence Agriculture
  - Supplemental Agriculture

Figure 3  
Existing Land Inventory  
**WEST HAWAI'I ISLAND PLAN UPDATE**

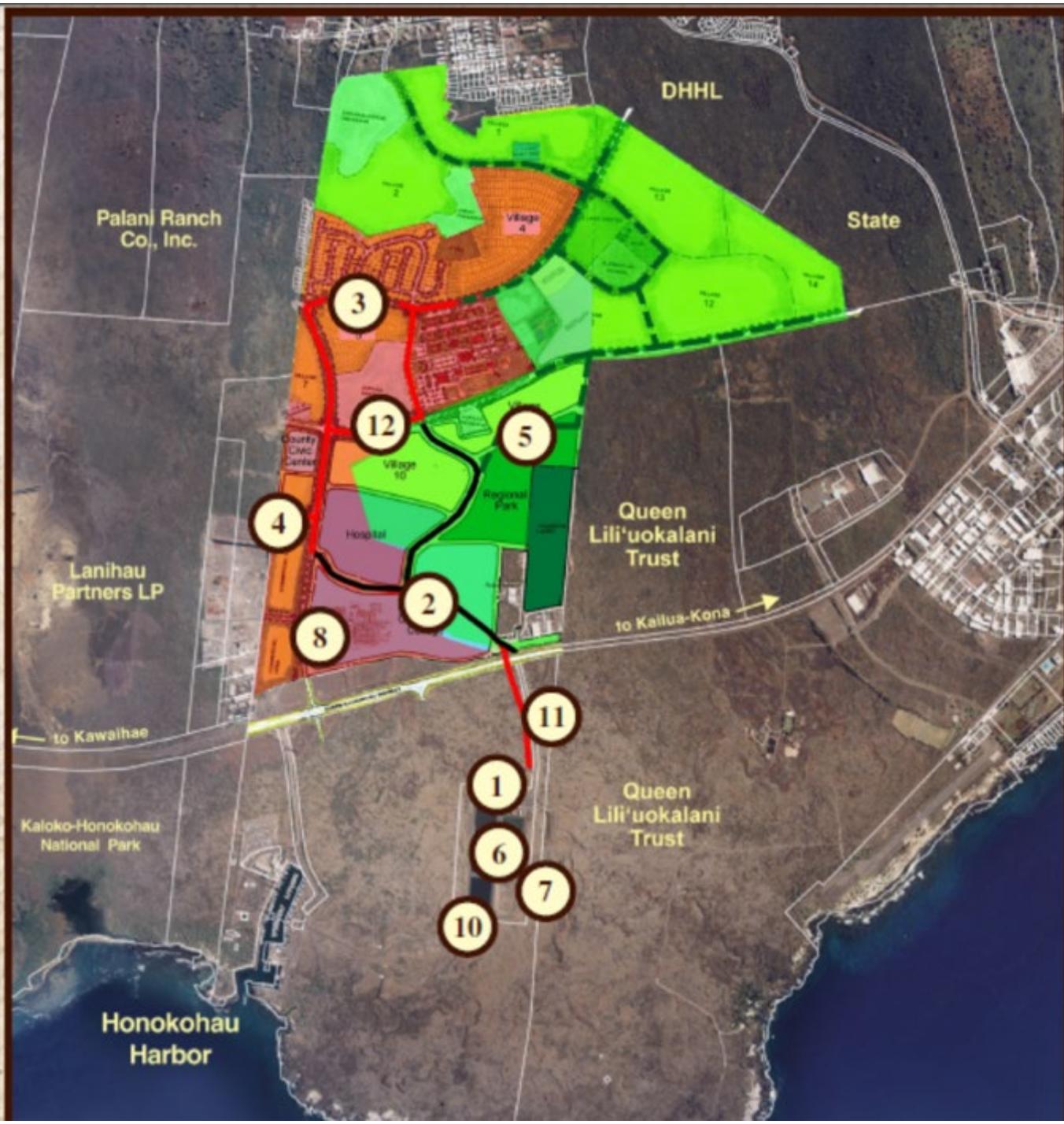
Department of Hawaiian Homelands      Island of Hawai'i

NORTH

LINEAR SCALE (FEET)

0      2,500      5,000      10,000

# Kealakehe Planning Region



# Kealahou

## **II. Future water demands**

- **We calculate water demands based on:**
  - **HHC land use designations**
  - **County and other water demand rates**
- **Calculated in the State Water Projects Plan**
  - **SWPP Approved May 16, 2017**
  - **SWPP update approved May 18, 2021**
- **Partial bases for future reservations**

# Overall Hawai'i island Water Demands (mgd)(2017 SWPP)

	<b>2016</b>	<b>2021</b>	<b>2026</b>	<b>2031</b>
<b>Potable</b>	2.617	4.164	5.209	10.174
<b>Nonpotable</b>	1.367	5.266	5.266	39.221
<b>Total</b>	3.984	9.430	10.475	49.395

# III. Existing Water Reservations

- **What is a water reservation?**
- **A reservation is not...**
- **Existing West Hawai`i Water Reservations**

# What is a water reservation?

- **Kapu for future use**
- **CWRM protects it from other users**
- **More legal protections in Water Management Areas**
  - **In WMAs, reservations are by rule**
  - **In other areas, by CWRM action**
- **Can be for surface or ground water**
- **Can be triggered by:**
  - **CWRM action (e.g. IIFS, plan adoption)**
  - **BLNR action (water licensing / leasing)**
  - **HHC / DHHL request**

# A water reservation is not

- Immediate access to “wet water”
- To develop “wet water” we still need a place-based combination of:
  - Advocacy
  - CIP funds
  - Design for source, storage, transmission
  - Environmental Review
  - Agreements for access and operation w/county or others

# W. Hawai`i Groundwater Reservations

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<b>Hydrologic Unit</b>	<b>Quantity Reserved (mgd)</b>	<b>Effective Date</b>
<b>Hāwī</b>	<b>0.148</b>	<b>9/18/2018</b>
<b>Māhukona</b>	<b>3.014</b>	<b>9/18/2018</b>
<b>Honoka`a</b>	<b>0.396</b>	<b>9/18/2018</b>
<b>Keauhou</b>	<b>3.398</b>	<b>8/17/2015</b>

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# IV. Updates

- **Honokāia**
- **Kawaihae**
- **North Kona Well Development**

**NO  
TRESPASSING  
VIOLATORS  
WILL BE  
PROSECUTED**

Water Tank, Kailapa, Kawaihae

# Honokāia

- **Ongoing discussions with plaintiffs**
- **Business Plan development**

# Kawaihae / Kailapa Water Overview

- **Future water needs**
  - **2.2 mgd (potable)**
  - **36 mgd (nonpotable)**
- **Reservation for 2.2 mgd potable**
- **Actual development of water is challenging**
- **Water provided now by Kohala Ranch**
  - **High cost**
  - **Potential to cancel**
  - **Limited supply for existing and future uses**

**NO  
TRESPASSING  
VIOLATORS  
WILL BE  
PROSECUTED**

# Kailapa Hui Wai

- **Identifying source options and criteria**
- **Short, medium, and long term needs**
- **Sharing information / facilitating transparency**

**NO  
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VIOLATORS  
WILL BE  
PROSECUTED**

Water Tank, Kailapa, Kawaihae

# Hawai`i County Bill 112 & 115

- **Waikoloa Timeshare Project (“Kumu Hou”)**
- **2% of timeshare sales and resales to the Waikoloa Foundation**
- **25% of 2% for “water resource development for Native Hawaiian communities in the district of South Kohala”**
- **DHHL language and support**
- **5+ years to first revenue**

**NO  
TRESPASSING  
VIOLATORS  
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# North Kona Well Development

- **Two potential DHHL well sites identified**
  - **Both in the “high level” aquifer**
  - **Landowner agreements ongoing**
- **”Ota Well”**
  - **Developed by NELHA and HHFDC**
  - **MOA to provide some credits**
  - **Not yet approved by CWRM**

# Nīnau?

NO  
TRESPASSING  
VIOLATORS  
WILL BE  
PROSECUTED

Water Tank, Kailapa, Kawaihae