



HAWAIIAN HOME LANDS

HAWAIIAN HOMES COMMISSION · DEPARTMENT OF HAWAIIAN HOME LANDS

Beneficiary Consultation

Moloka'i Groundwater Reservation Request

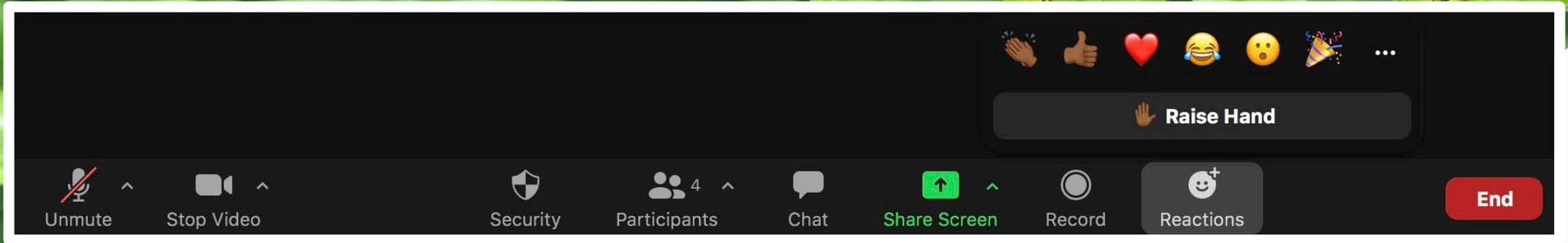
May 5, 2021

Meeting will start at 6:30pm



Tonight's Agenda

- DHHL Informational Presentation
 - Overview of DHHL Planning System and Moloka'i Plans
 - Water issues and initiatives on Moloka'i
 - Water rights related to reservations
 - Reservation request in Groundwater Management Areas (GWMA) and non-GWMAs
 - Reservation requests methodology & amounts
- Beneficiary Questions & Mana'o



House Keeping

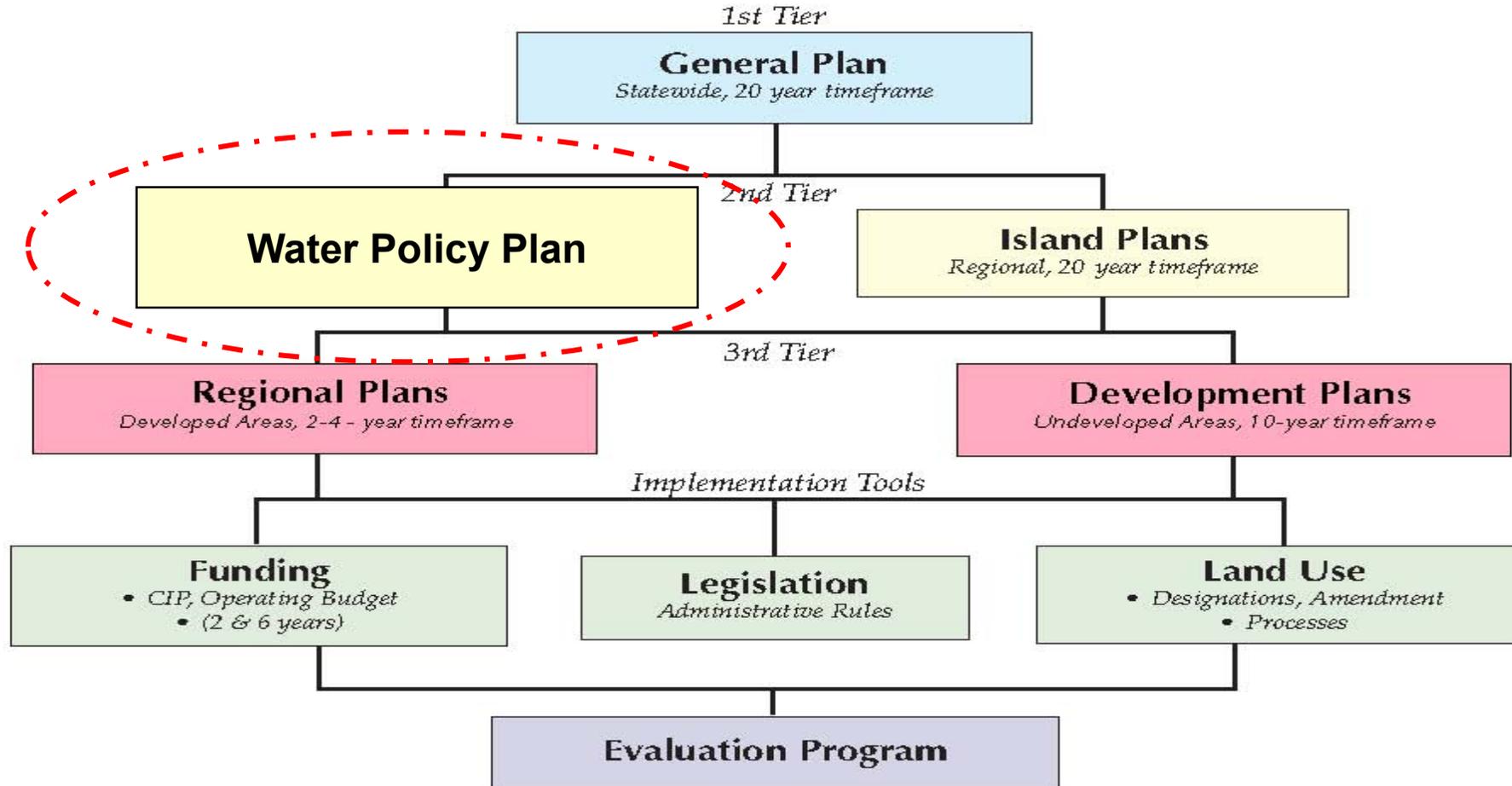
- Please keep your microphone on mute when you are not talking
- Type your questions in the chat or raise your virtual hand
- Please keep in mind this meeting is being recorded



Meeting Kuleana

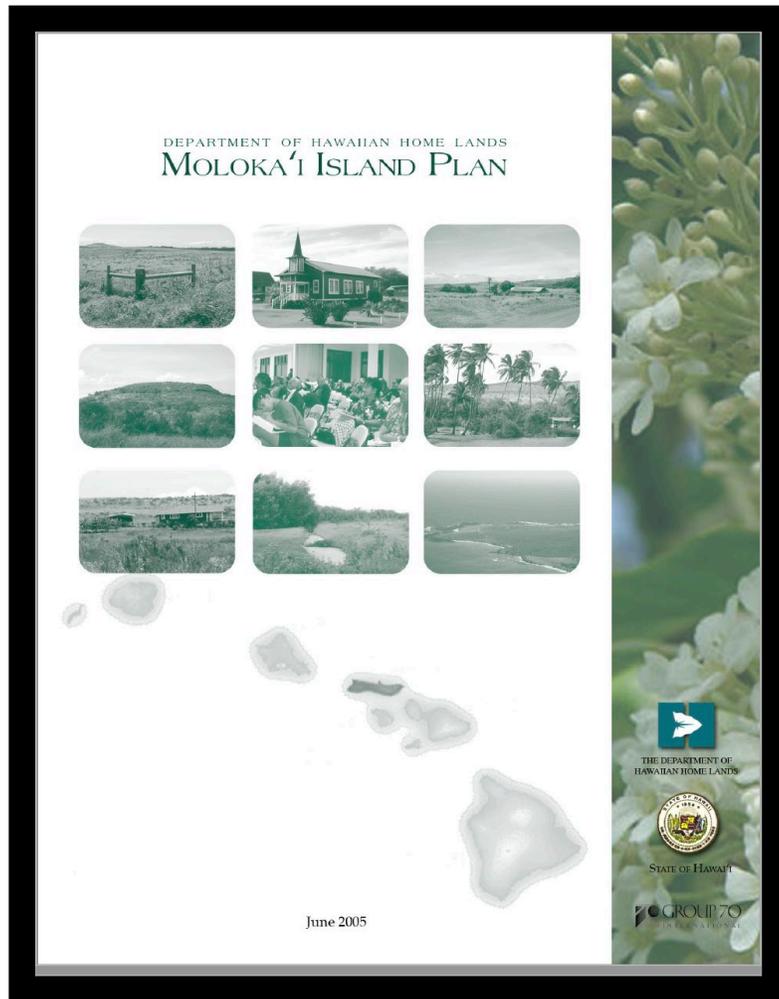
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DHHL Planning System



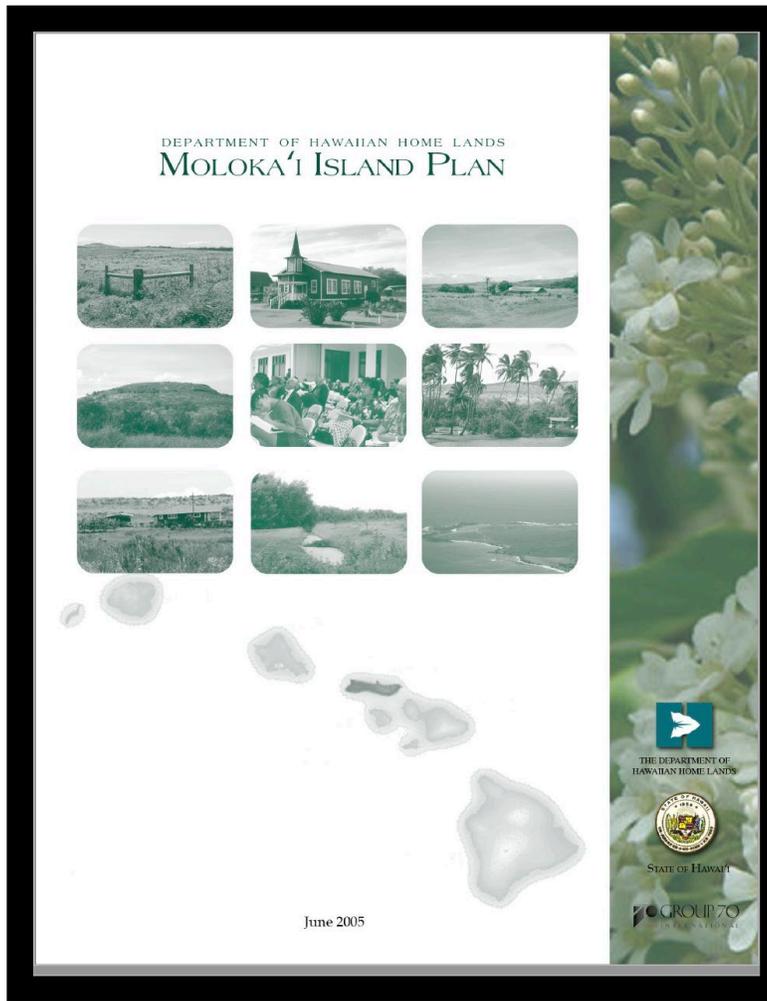
DHHL Planning System

Moloka'i Island Plan (2005)



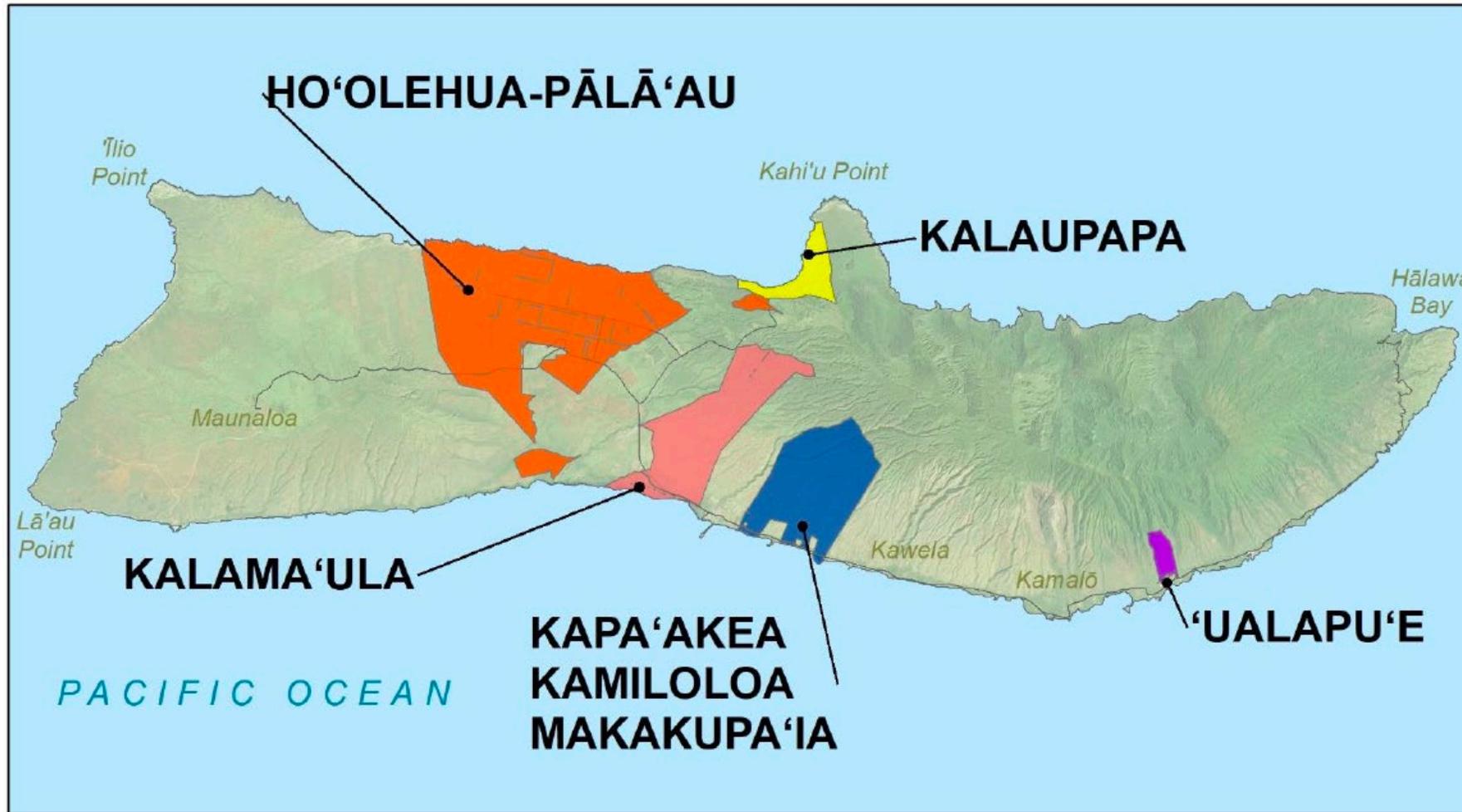
- Land use designations for 25,800+ acres on Moloka'i
- Different land uses have different water demands
- 20 year projection

Moloka'i Island Plan (2005)

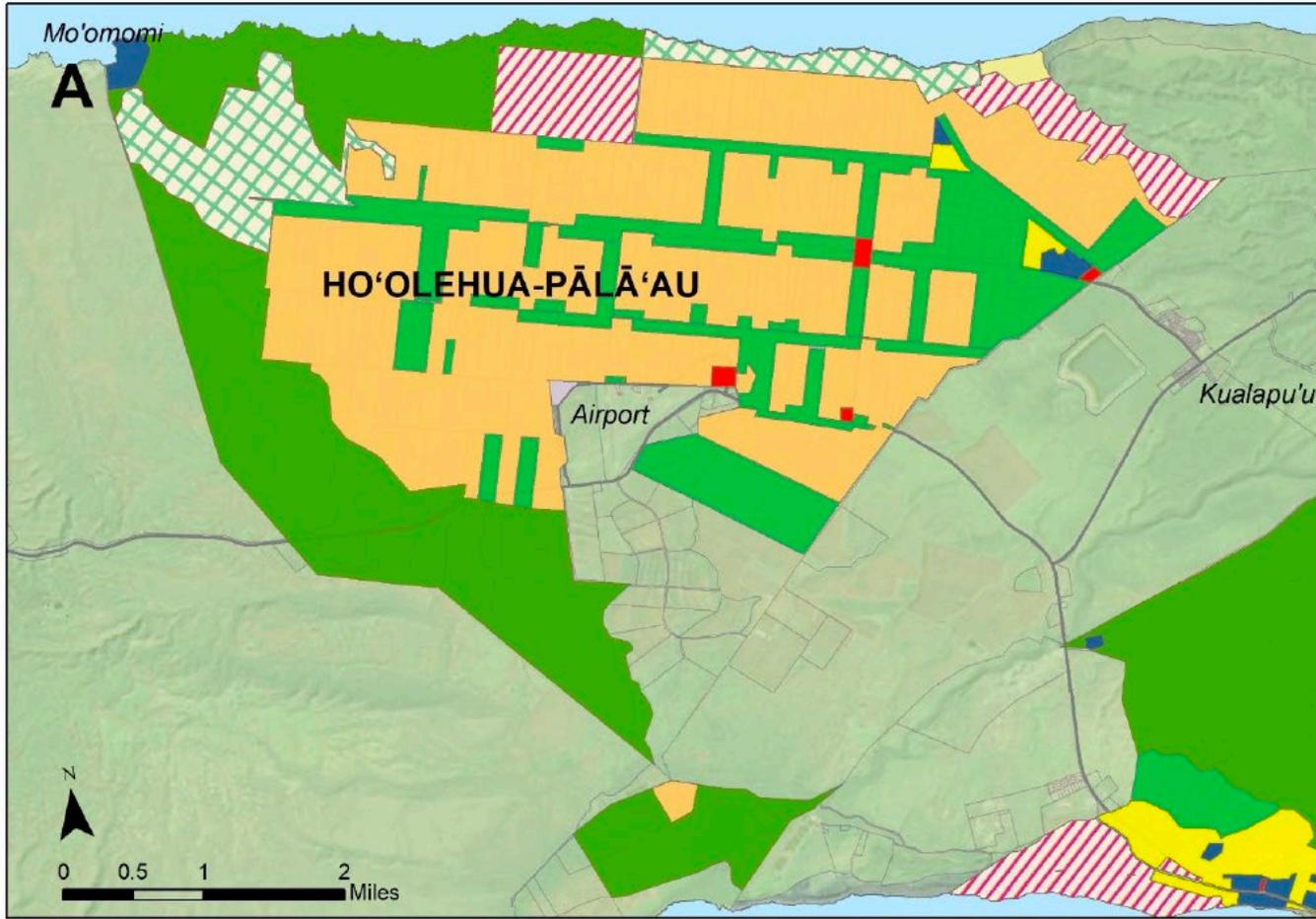


| <i>Moloka'i Land Use Designations</i> | <i>Acres</i> | <i>Percent of total</i> |
|---------------------------------------|---------------|-------------------------|
| Residential Homestead | 742 | 2.87 |
| Subsistence Agriculture | 2,338 | 9.04 |
| Supplemental Agriculture | 5,862 | 22.64 |
| Pastoral | 1,927 | 7.45 |
| General Agriculture | 6,415 | 24.80 |
| Special District | 7,758 | 29.99 |
| Community Use | 93 | 0.36 |
| Conservation | 655 | 2.53 |
| Commercial | 58 | 0.22 |
| Industrial | 16 | 0.06 |
| Total Acres | 25,864 | 100 |

Moloka'i Tracts



Ho'olehua Pālā'au



LEGEND

— Roads

DHHL Island Plan Designations

Commercial

Community Use

Conservation

General Agriculture

Industrial

Pastoral

Residential

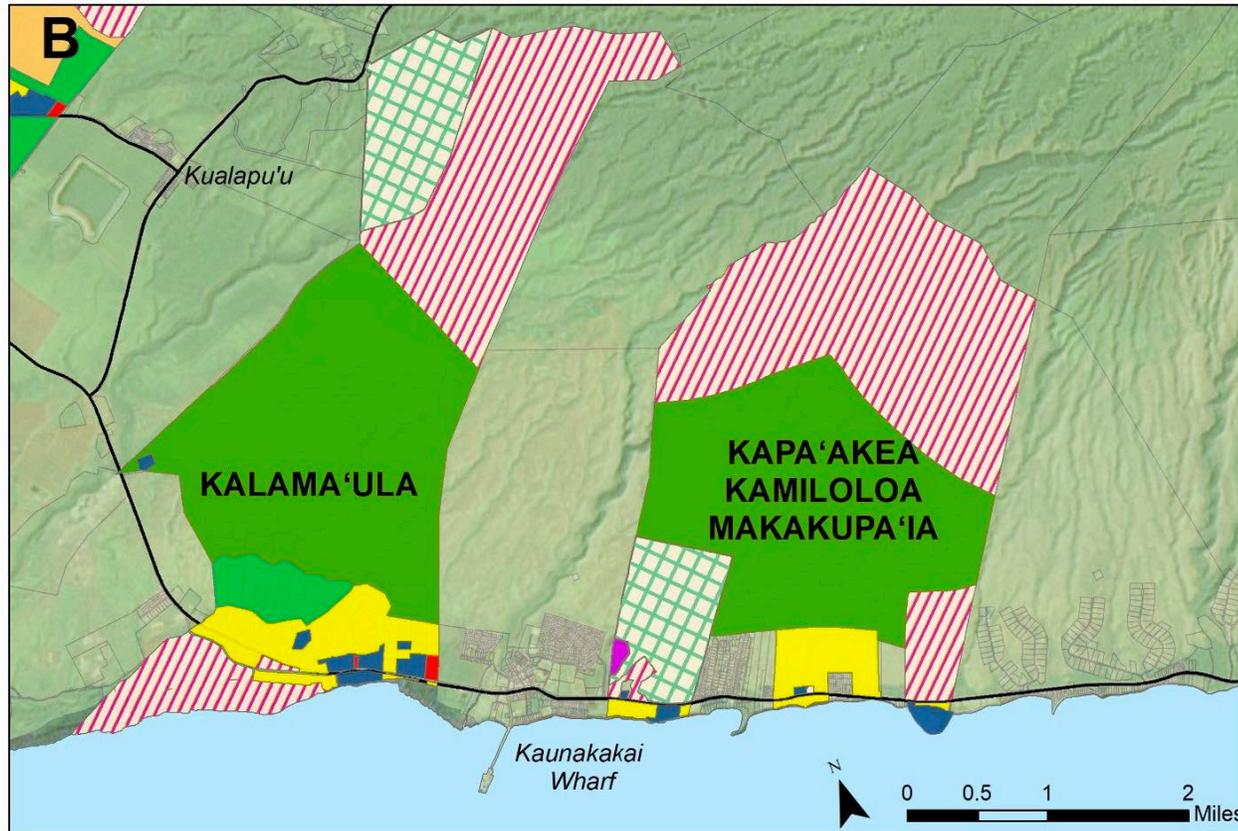
Special District

Subsistence Agriculture

Supplemental Agriculture

To be acquired

Kalama'ula, Kapa'akea, Kamiloloa, Makakupa'ia



LEGEND

— Roads

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Residential

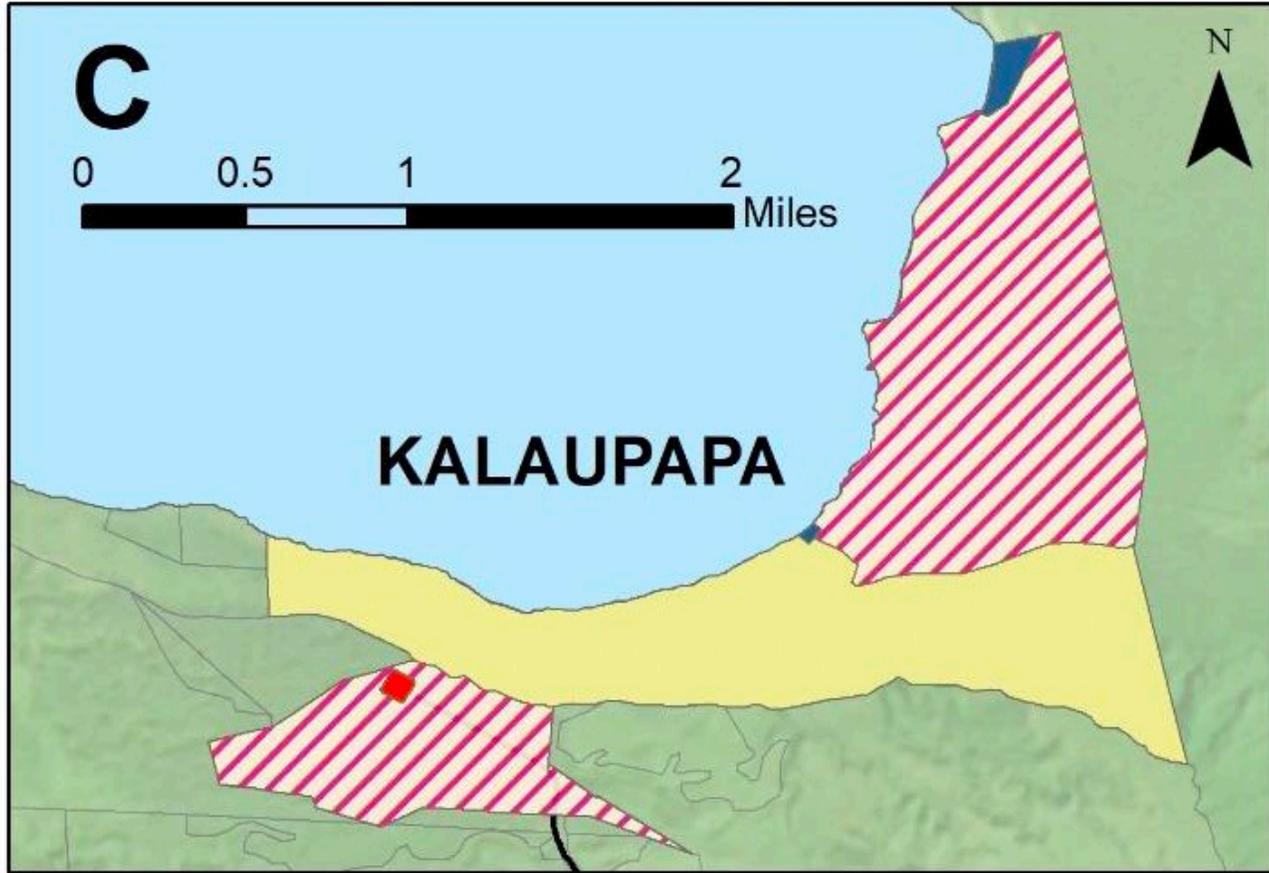
Special District

Subsistence Agriculture

Supplemental Agriculture

To be acquired

Kalaupapa



LEGEND

— Roads

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Residential

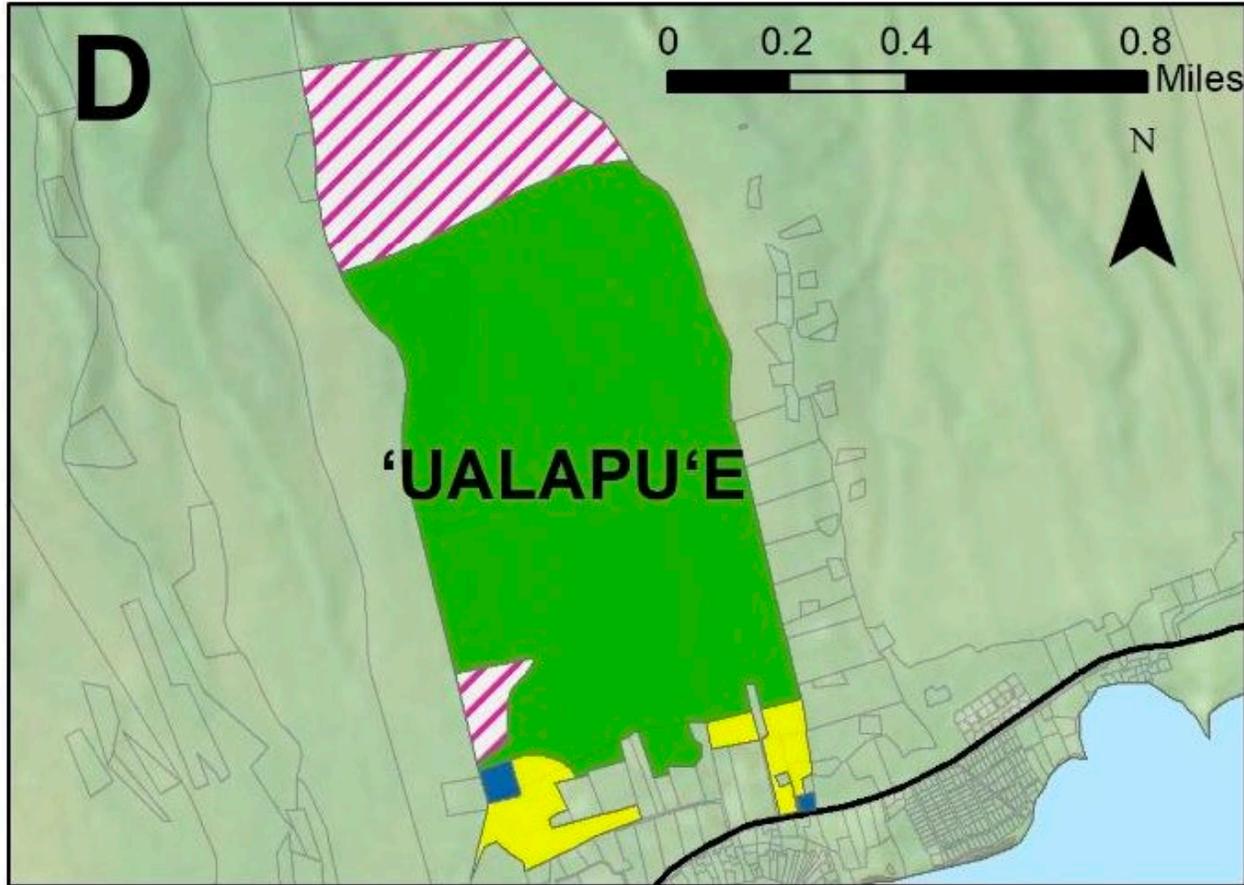
Special District

Subsistence Agriculture

Supplemental Agriculture

To be acquired

'Ualapu'e



LEGEND

— Roads

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Residential

Special District

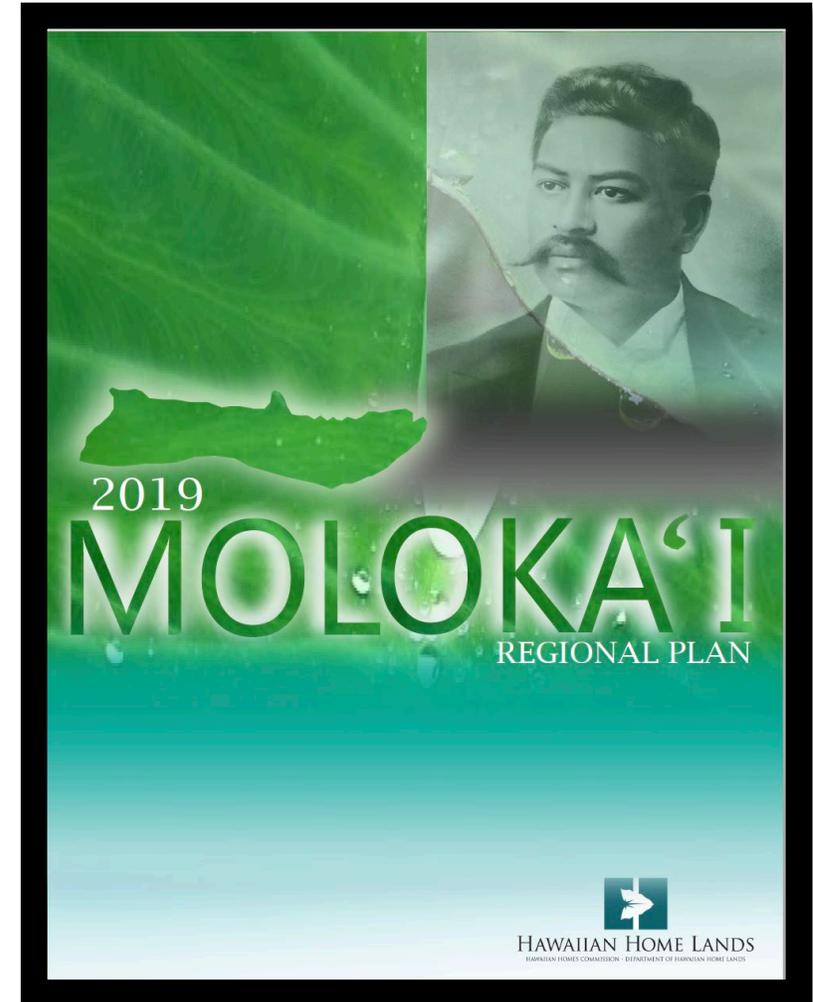
Subsistence Agriculture

Supplemental Agriculture

To be acquired

Moloka'i Regional Plan (2019)

- Priority Project -- 'Ualapu'e Kuleana Homestead Settlement Plan
- Fall 2020, DHHL requested a water reservation in the 'Ualapu'e aquifer system area (ASYA)



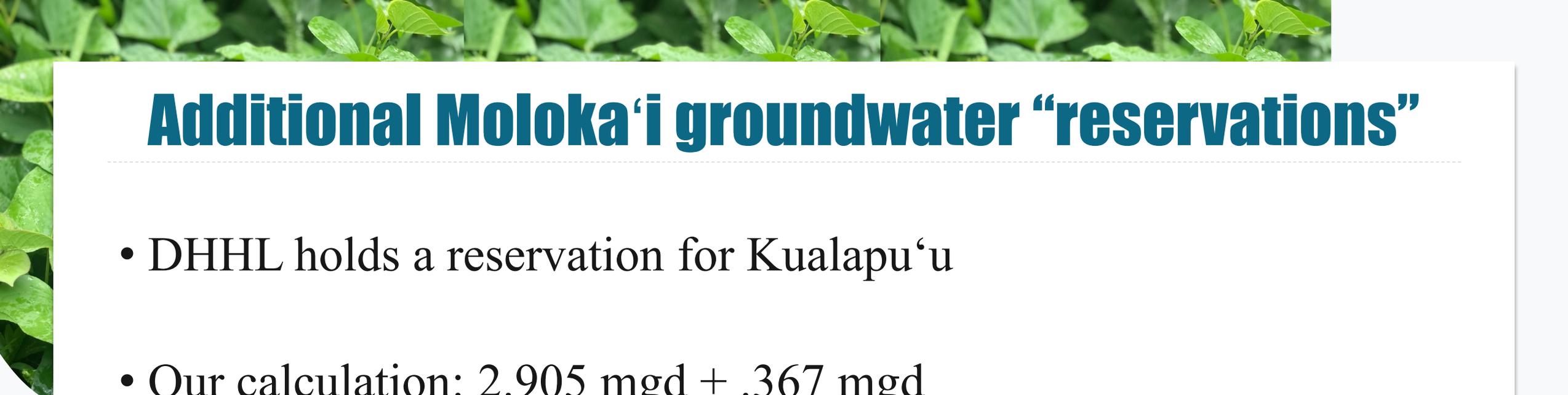


DHHL Water Issues on Moloka‘i

- DHHL’s Kualapu‘u WUPA
- Additional “Water Reservations” for groundwater on Moloka‘i

Kualapu'u WUPA

- ACCEPTED April 8, 2021 – GWUPA 1100
 - To be published in Maui News issues of April 26, 2021 and May 3, 2021.
 - Application to be processed within ninety (90) days from the date of receipt unless there are objections



Additional Moloka'i groundwater “reservations”

- DHHL holds a reservation for Kualapu'u
- Our calculation: 2.905 mgd + .367 mgd

Additional Moloka‘i groundwater “reservations”

- DHHL requested a new reservation for ‘Ualapu‘e for .855 mgd
- Reservations are by rulemaking in management areas
- CWRM asked: do we want any additional reservations on Moloka‘i?
- DHHL looking at potential needs for Kalama‘ula, Kapa‘akea, Kamiloloa, Makakupa‘ia, Kalaupapa and Pālā‘au

What is a reservation?

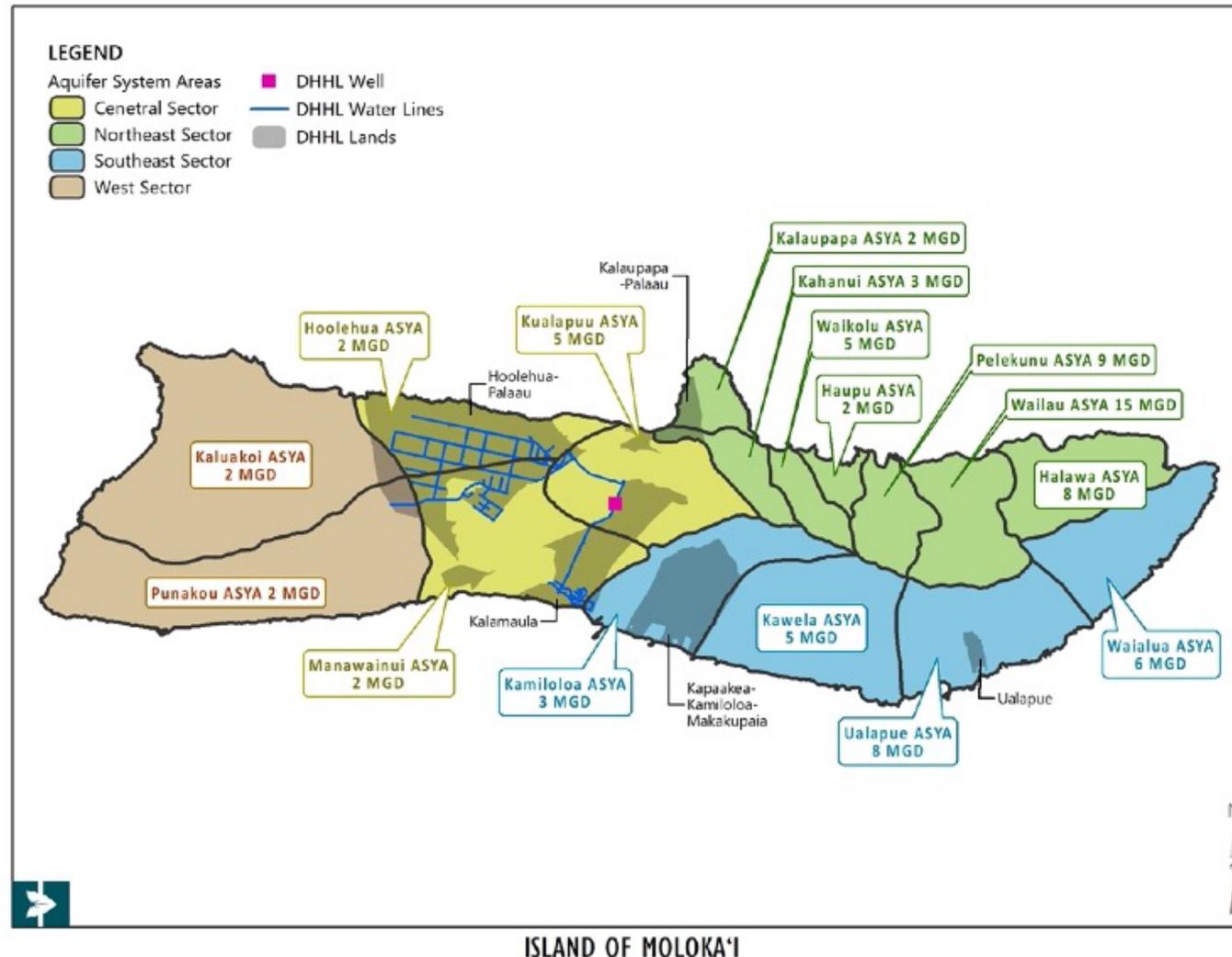
- A reservation is:
 - Kapu for future use
 - CWRM protects it from other users



A reservation is not

- It is not immediate access to “wet water”
- From reservations to “wet water” we still need:
 - CIP funds
 - Developing source, storage, transmission
 - Detailed design
 - Agreement w/county or others

Additional Moloka'i groundwater "reservations"



Additional Moloka'i groundwater "reservations"?

| DHHL Tract | Use | Ac. | Units | Rate | Calculated Demand |
|--|------------|-------|-------|-----------------|-------------------|
| Kapa'akea / Makakupa'ia / Kamiloloa | Res | 264 | 286 | 600 gpd/unit | 0.1716 |
| Kapa'akea / Makakupa'ia / Kamiloloa | GA | 2,165 | | 2,500 gad | 5.413 |
| Kalama'ula | Res | 88 | 57 | 600 gpd/unit | .0342 |
| Kalama'ula | Sub. Ag | 212 | 63 | 600 gpd/unit | .0378 |
| Kalama'ula | Sub. Ag | 212 | | 2,500 gad | .530 |

Criteria for Developing Water

- For reservations or water development, criteria include
- Source capacity (SY/IIFS)
- Proximity to and rights to connect to
 - Pipelines
 - Roadways
 - Utilities
- Impacts on public trust and other uses

Additional Moloka'i groundwater "reservations"?

| DHHL Tract | Calculated Demand | Reservation Request | System Area |
|-------------------------------------|-------------------|---------------------|-------------|
| Kapa'akea / Makakupa'ia / Kamiloloa | 0.1716 | 0.1716 | Kawela |
| Kapa'akea / Makakupa'ia / Kamiloloa | 5.413 | 1.0 mgd | Kamiloloa |
| Kalama'ula | .0342 | .0342 | Kawela |
| Kalama'ula | .0378 | .0378 | Kawela |
| Kalama'ula | .530 | .530 | Pālā'au |



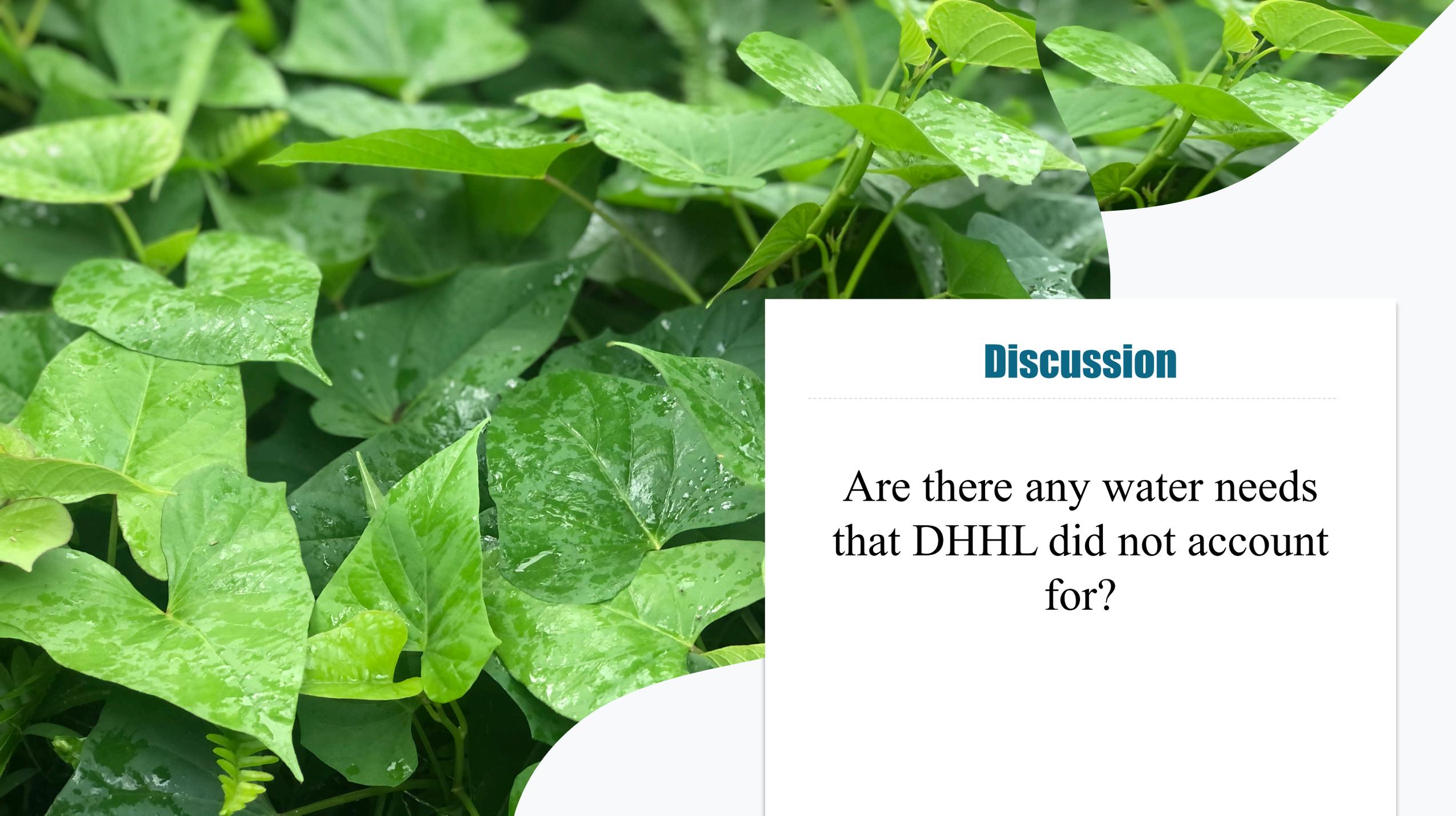
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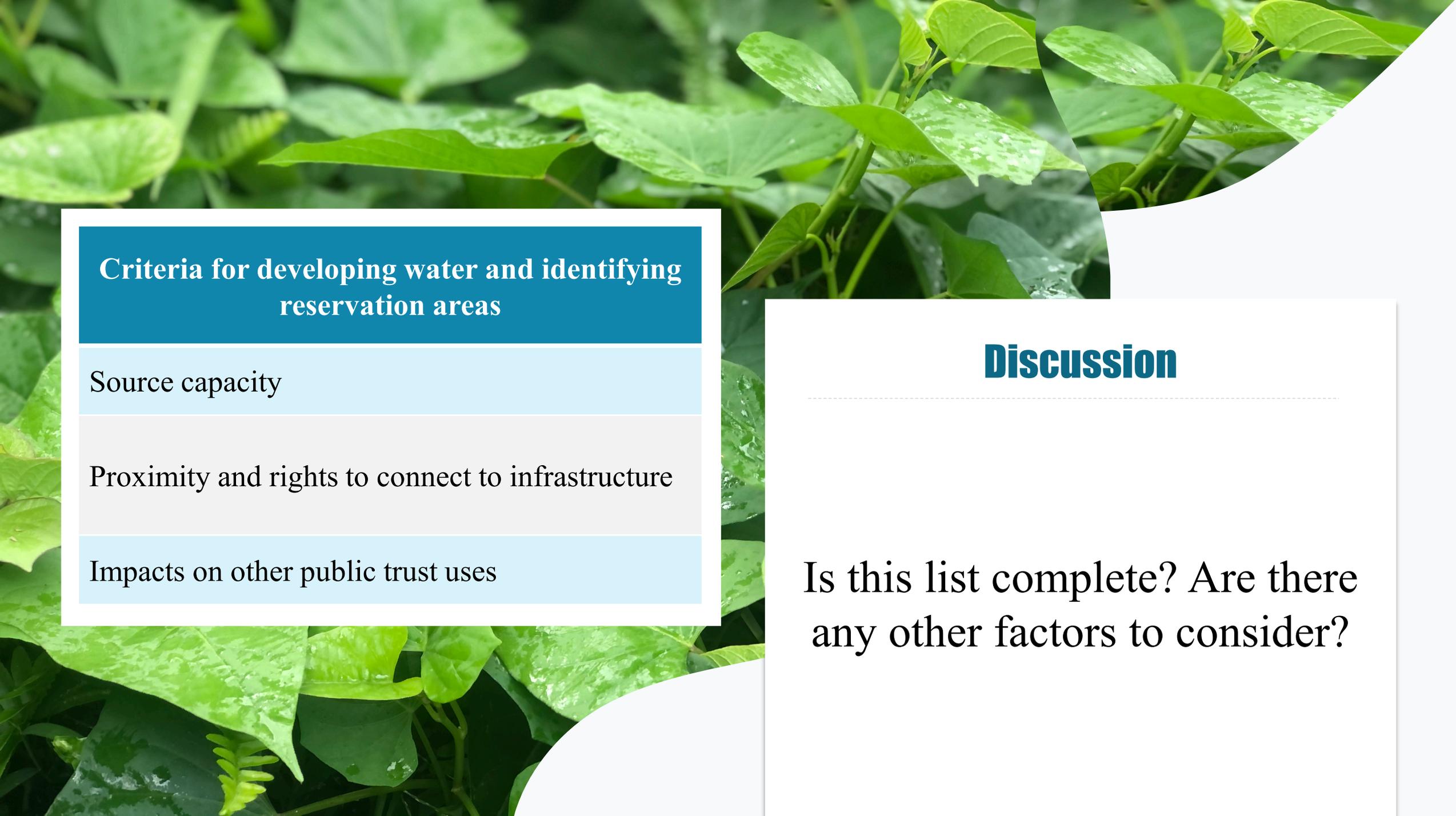
Discussion

Are the additional
reservation requests
adequate?



Discussion

Are there any water needs that DHHL did not account for?



Criteria for developing water and identifying reservation areas

Source capacity

Proximity and rights to connect to infrastructure

Impacts on other public trust uses

Discussion

Is this list complete? Are there any other factors to consider?

Closing & Next Steps

- Comment Deadline – Friday, June 4, 2021 (Please email dhhl.planning@hawaii.gov)
- Beneficiary Consultation Report & Recommendations - Hawaiian Homes Commission Meeting (June / July)
- DHHL to Submit Water Reservation Request to State Commission on Water Resource Management (CWRM) (August)
- CWRM act on DHHL Water Reservation (TBD)
- DHHL will seek incorporation of its reservations into Maui County DWS's Moloka'i Water Use & Development Plan



Contacts

DHHL Planning:

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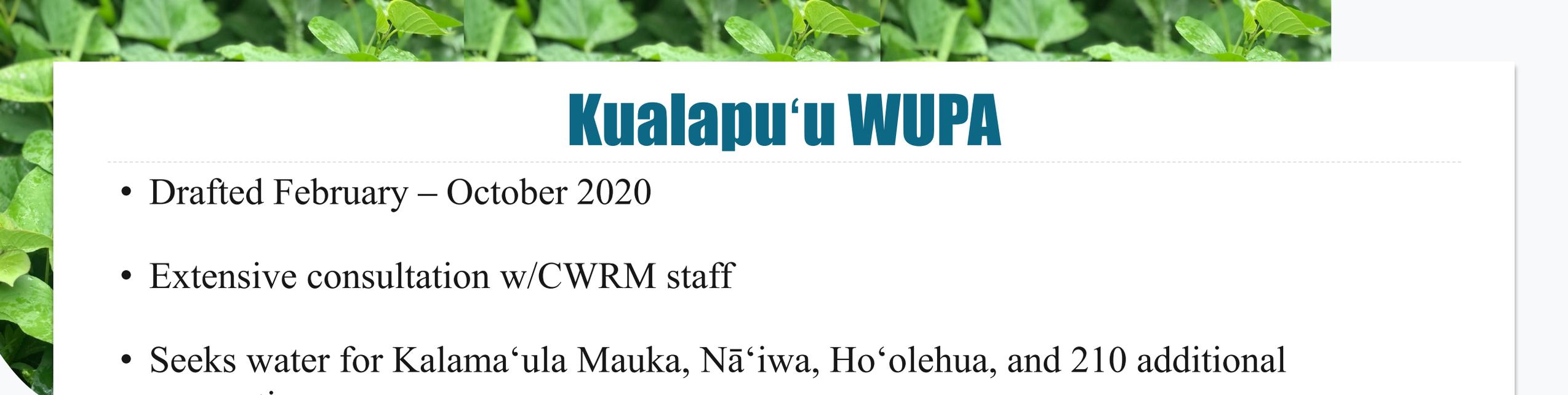


A hui hou!

Mahalo for your time and
joining us this evening!

USGS Study

- Published January 30, 2020
- Funders: DHHL, USGS, OHA, County
- Presented to HHC Oct 2020
- Important for DHHL Water Use Permit Application (WUPA), reservations



Kualapu‘u WUPA

- Drafted February – October 2020
- Extensive consultation w/CWRM staff
- Seeks water for Kalama‘ula Mauka, Nā‘iwa, Ho‘olehua, and 210 additional connections
- Submitted October 12, 2020
- December 18, 2020 CWRM requested addt’l info
- DHHL responded March 26, 2021
- CWRM asked for new information March 31

Maui County 'Ualapu'e WUPA

- HHC approved the Moloka'i Regional Plan February 18, 2020
- Includes 175 kuleana homestead lots at 'Ualapu'e
- May of 2020: Maui County requests a WUPA for their 'Ualapu'e system for additional uses and “flushing”
- DHHL asked for water, and a reservation
- CCH hearing granted in October 2020
- County withdrew application in March 2021