

An aerial photograph of the island of Molokai, Hawaii, taken from an elevated perspective. The island is silhouetted against a bright, hazy sky at sunset or sunrise, with the sun low on the horizon to the right. The ocean is visible in the foreground and background, and the island's coastline is clearly defined. The text is overlaid on the upper portion of the image.

U.S. Geological Survey Presentation on Scientific Investigation Report 2019-5150 Numerical Simulation of Groundwater Availability in Central Moloka`i

Item G-1

**Hawaiian Homes Commission (HHC)
Meeting (online)**

**Jonathan Likeke Scheuer, Ph.D., Consultant
October 19, 2020**

DHHL and the USGS Moloka`i Study

- I. Relevant HCC WPP Goals**
- II. Why was the study commissioned?**
- III. Short and long term implications for DHHL**

I. Relevant HHC WPP Goals

Goal 2. Aggressively, proactively, consistently and comprehensively advocate for the kuleana of the beneficiaries, the DHHL, and the HHC to water before all relevant agencies and entities.

Goal 3. Develop and manage a Water Assets Inventory (WAI).

I. Relevant HHC WPP Goals

Goal II. 4. Determine current and foreseeable future needs based upon periodic reviews of water availability projections that incorporate climate change, projected beneficiary demand, alternative sources and efficiency measures.

Goal III. 9. Advocate that all Water Use Permit Applications properly address the water rights of DHHL and other Hawaiian water rights.

II. Why was the study commissioned?

- Waiola o Molokai and Kukui Molokai decisions
- CWRM staff treatment of previous DHHL WUPA
- CWRM staff treatment of previous Molokai Ranch WUPA

III. Short and long term implications for DHHL

- Short term (for our WUPA):
 - Implications on amount sought
 - Well chlorides
 - Coastal flow
- Long term
 - Implications for future well development
 - Implications for desires by others



Ho'olehua May 31, 2005