



FEASIBILITY STUDY FOR EAST MAUI WATER SOURCE DEVELOPMENT

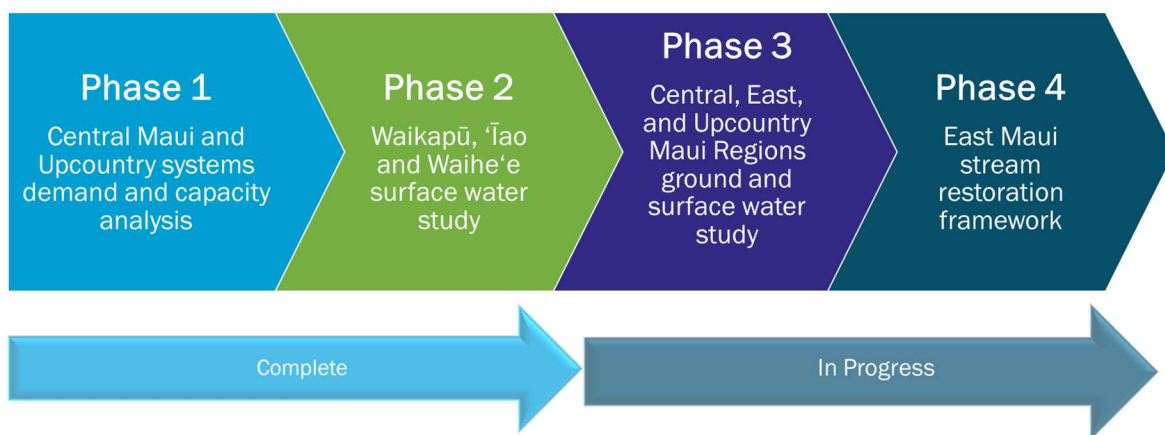
PHASE 4 STAKEHOLDER CONSULTATIONS

AUGUST 2024

THE 4-PHASE FEASIBILITY STUDY FOR EAST MAUI WATER SOURCES

The Maui County Department of Water Supply (DWS) is conducting a Feasibility Study to explore new water sources and related water infrastructure to meet drinking water needs identified in the Maui Island Plan. Studies are being conducted in four phases as shown in Figure 1.

Figure 1: 4-Phase Feasibility Study for East Maui Water Sources



Phase 1 was an analysis of water systems demand and capacity in the Central Maui and Upcountry system. This phase has been completed.

Phase 2 was a study of the availability of surface water and a cost/benefit study for possible surface water sources from Waikapū Stream, Wailuku River and Waiheʻe River. The amount available to divert from a stream is legally limited by established Interim Instream Flow

Standards (IIFS): “a quantity or flow of water or depth of water which is required to be present at a specific location in a stream system at certain specified times of the year to protect fishery, wildlife, recreational, aesthetic, scenic, and other beneficial instream uses.” A Ka Pa‘akai Analysis was completed for Phase 2.

Phase 3 is a rigorous cost / benefit study of surface and groundwater resources available in the Central Maui Region, the Upcountry region and the East Maui region. This study includes an evaluation of economic and environmental factors that would help in understanding if these water sources would be feasible and how the water would be transmitted to meet potable water needs. A Phase 3 Ka Pa‘akai Analysis is currently being conducted.

Phase 4 is the current phase and involves an East Maui Stream Restoration Framework that will identify steps, timeline and potential implementing partners to restore flow to streams in the Ha‘ikū area.

PHASE 4: EAST MAUI STREAM RESTORATION FRAMEWORK

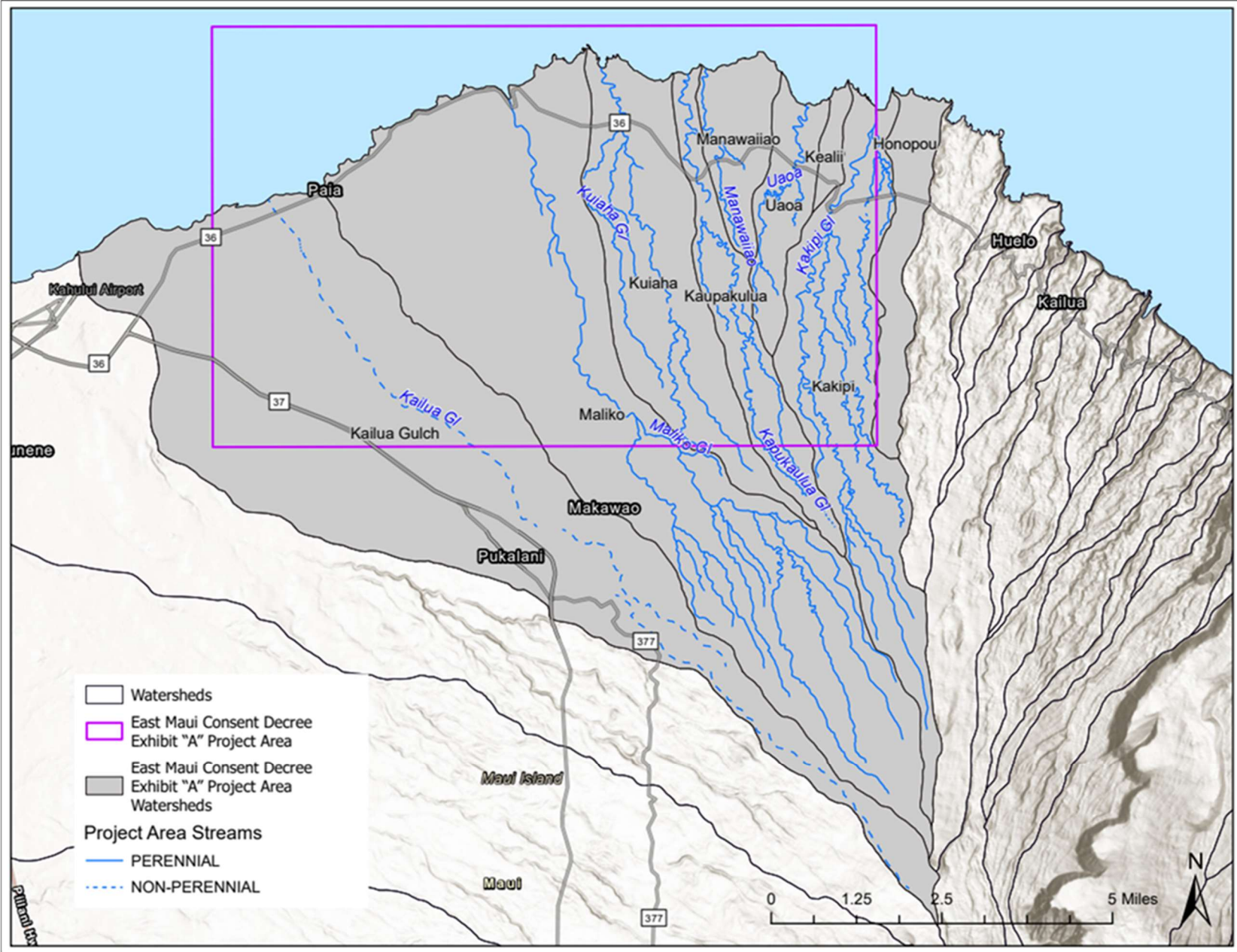
The Consent Decree in *The Coalition to Protect East Maui Resources v The Board of Water Supply, County of Maui (2003)* set forth requirements that the DWS must meet before initiating development of water resources in the agreed upon portion of the East Maui Region. The 2003 Consent Decree stipulated that any effort to develop groundwater resources in East Maui will be treated as a new project. Further, before any new project is planned, DWS will undertake a rigorous Cost/Benefit Study of the surface and groundwater resources in the Central Maui Region, Upcountry Maui Region and East Maui region.

The Consent Decree states “The County agrees that as long-term agricultural water needs are reduced, a stream restoration program will be studied, developed and initiated by the County. As such, the County agrees that one component of any plan or program to develop further water resources in the agreed-upon portion of the East Maui Region must include the study, development and initiation, as may be applicable, of a stream restoration program in the agreed-upon portion of the East Maui region.

The Phase 4 agreed upon portion of East Maui is Ha‘ikū, as depicted in Figure 2. The eleven streams in the Study Area are as follows:

Kailua	Kaupakulua
Māliko	Manawai‘ao
Kanemoeala	Uaoa
East Kuiaha	Keali‘i
West Kuiaha	Kākipi
Konanui	

Figure 2: Hā'iku Streams and Gulches



OVERALL FRAMEWORK FOR THE PHASE 4 STREAM RESTORATION PROGRAM

The Phase 4 Stream Restoration Program will encompass components identified in Figure 3.

Figure 3: Phase 4-Phase Stream Restoration



PHASE 4 STAKEHOLDER CONSULTATIONS – AUGUST 2024

Phase 4 Stakeholder Consultations are very early in the planning and development of the Stream Restoration Program.

The purpose of Phase 4 stakeholder consultation is to help **develop criteria** that will help guide and shape the Stream Restoration Program. We are soliciting your input regarding:

- 1. What activities do you conduct and have observed in and around the Phase 4 streams and gulches?***
- 2. What problems with current experiences and conditions do you feel should be addressed in coming up with a stream restoration program?***
- 3. What suggestions do you have for us in developing a Ha'ikū stream restoration program?***

Your input will help shape **guiding principles** as we proceed in developing the Phase 4 Stream Restoration Framework. We respectfully ask for your input and will be contacting you to establish an optimal time to meet. If you have questions, please email Berna Senelly at mauiwaterstudy@oceanit.com. She may also be reached by phone at 817.422.1372.