



STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
 Stream Protection and Management Branch

FIELD INVESTIGATION REPORT
FI2009021002 (East Maui, Wailua Valley Taro)

Date of Field Investigation:	February 10, 2009	Time (24-hour):	1115 - 1200
CWRM Staff:	Ed Sakoda, Dean Uyeno, Ronnie Torres, and Chui Ling Cheng		
Individuals Present:	Ed Wendt, Amanda Martin, and Steven Hookano		
Hydrologic Unit:	Wailuanui (6056)		
Stream Name:			
Findings:	<p>The purpose of this field visit was to get a better understanding of the taro patches in Wailua Valley, with main focus on water flow from the sources and through the taro patches before water returns to the stream. CWRM staff had previously digitized the Wailua Valley taro patches from available aerial imagery. Maps were prepared to help staff collect additional data in the field, which included 1) water flow from the upper, lower, and middle ditches to the taro patches; 2) flow through the patches in the valley; 3) auwai system and location in relation to the patches; 4) locations of return flow from the auwai to the stream; and 5) operator of the general area where taro was cultivated at the time of the field visit.</p> <p>On the previous day (Feb. 9, 2009), CWRM staff collected field data from taro patches in the southwestern end and the center of the valley. During this field visit, staff was to collect field data for the taro patches in the northern end of the valley. The patches there were operated by the Sinenci and Kaauamo families. Most of the patches were not in cultivation, and those in cultivation were fed by a second outflow of Lakini.</p> <p>Staff left Wailua Valley at 1200 hours, and continued to Waiokamilo Stream. Refer to Field Investigation Report FI2009021003 (East Maui, Waiokamilo Stream) for more information.</p>		

Image Listing: (Attach PDF of image contact sheet)

<u>File Name:</u>	<u>Brief Description:</u>
20090210039	Outflow from Lakini to the taro patches in the Northern end of Wailua Valley.
20090210040	Outflow from Lakini to the taro patches in the Northern end of Wailua Valley.
20090210041	Outflow from Lakini to the taro patches in the Northern end of Wailua Valley.
20090210042	Outflow from Lakini to the taro patches in the Northern end of Wailua Valley.
20090210043	Taro patches in the Northern end of Wailua Valley.
20090210044	Taro patches in the Northern end of Wailua Valley.
20090210045	Taro patches in the Northern end of Wailua Valley.
20090210046	Taro patches in the Northern end of Wailua Valley.
20090210047	Taro patches in the Northern end of Wailua Valley.

GPS Listing:

Shapefiles: (List file names of all shapefiles created and a brief description of each)

<u>File Name:</u>	<u>Brief Description:</u>
FI20090209wp.shp	Waypoints recorded with the GPS unit during the field visit.

Waypoints: (List all waypoints in decimal degrees and provide a brief description of each)

<u>WP No.</u>	<u>Latitude</u>	<u>Longitude</u>	<u>Brief Description:</u>
046	20.845776	-156.135841	Auwai divergence
047	20.845706	-156.135991	Inflow to upper auwai
049	20.845111	-156.136846	Inflow from auwai; inflow of water from Lakini.

Attachments:

Brief Description:

1. Image Contact Sheet

Recommendations:

IMAGE CONTACT SHEET



20090210039.jpg



20090210040.jpg



20090210041.jpg



20090210042.jpg



20090210043.jpg



20090210044.jpg



20090210045.jpg



20090210046.jpg



20090210047.jpg