



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

FIELD INVESTIGATION REPORT
FI2008102704 (East Maui, Honopou Lowrie Ditch, restore)

Date of Field Investigation:	October 27, 2008	Time (24-hour):	1310 - 1400
CWRM Staff:	Ed Sakoda, Dean Uyeno, and Chui Ling Cheng		
Individuals Present:	Carl Freedman (Consultant at haiku Design & Analysis); EMI - Garret Hew (Water Resources Manager), Mark Vaught (Operations Manager), and Henry Robello (Field Superintendent); Honopou community - Lynn Scott, Beatrice Kekahuna, Sanford Kekahuna, Boni Kekahuna, and Wanda Vierra		
Hydrologic Unit:	Honopou (6034)		
Stream Name:	Honopou Stream		
Findings:	<p>At approximately 1310 hours, CWRM staff, Carl Freedman, Garret Hew and EMI staff, and members of the Honopou community arrived at the Lowrie Ditch diversion on Honopou Stream. The purpose of the field visit was to document the flow release just upstream of the Lowrie Side Ditch intake located on the left bank of the stream. Henry Robello and Garret Hew proceeded to lift up the Lowrie Side Ditch bypass sluice gate with a metal bar. Once the gate was opened, water from the upstream side of the sluice gate flowed through the gate. Then, Dean Uyeno measured the dimensions of the sluice gate opening to be 17 x 14 inches (W x H).</p> <p>CWRM staff videotaped the flow release event.</p> <p>CWRM staff walked upstream of the ditch to assess the condition of Honopou Stream. The stream had very little water but the stream was flowing into a pool downstream of the ditch.</p> <p>Staff crew left the Lowrie Ditch diversion on Honopou Stream at approximately 1400 hours, and continued to Puolua (Huelo) Stream to take pre-restoration flow measurement. Refer to Field Investigation Report FI2008102705 (East Maui, Huelo IIFS Site A, pre-release) for more information.</p>		
Image Listing:	(Attach PDF of image contact sheet)		
File Name:	Brief Description:		
20081027049	CWRM staff, EMI staff, and members of the Honopou community arrived at the Lowrie Ditch diversion structure on Honopou Stream.		
20081027050	Lowrie Ditch diversion intake (downstream side) on Honopou Stream.		
20081027052	EMI staff Garret Hew and Henry Robello opening the Lowrie Ditch sluice gate on Honopou Stream.		
20081027054	EMI staff Garret Hew and Henry Robello opening the Lowrie Ditch sluice gate on Honopou Stream.		
20081027057	Looking from the top of the Lowrie Ditch sluice gate on Honopou Stream.		
20081027058	Lowrie Ditch sluice gate on Honopou Stream.		
20081027060	Lowrie Ditch sluice gate on Honopou Stream.		
20081027061	Lowrie Ditch sluice gate on Honopou Stream.		
20081027063	Honopou Stream upstream of Lowrie Ditch.		
20081027065	Honopou Stream upstream of Lowrie Ditch.		
20081027067	Dean Uyeno taking physical measurements of the Lowrie Ditch diversion intake on Honopou Stream.		
20081027069	Dean Uyeno taking physical measurements of the Lowrie Ditch sluice gate on Honopou Stream.		
GPS Listing:			
Shapefiles:	(List file names of all shapefiles created and a brief description of each)		
File Name:	Brief Description:		
East_Maui_POI.shp	Points of interest (POI) recorded with the GPS unit during the field visit. The file includes POI recorded from all the East Maui field investigations.		

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>

Attachments:

Brief Description:

1. Image Contact Sheet

Recommendations:

IMAGE CONTACT SHEET



20081027049.JPG



20081027050.JPG



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20081027060.JPG



20081027061.JPG



20081027063.JPG



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