



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

FIELD INVESTIGATION REPORT
FI2008121004 (East Maui, Kaleiomaui)

Date of Field Investigation:	December 10, 2008	Time (24-hour):	1550 - 1615
CWRM Staff:	Ken Kawahara, Ed Sakoda, Dean Uyeno, and Chui Ling Cheng		
Individuals Present:	EMI - Garret Hew (Water Resources Manager), Mark Vaught (Operations Manager), Henry Robello (Field Superintendent); DOCARE officers		
Hydrologic Unit:	Piinaau (6053)		
Stream Name:	Kaleiomaui Stream		
Findings:			
<p>The purpose of this field visit was to locate Kaleiomaui Stream near Koolau Ditch. During a previous field visit on Nov. 17, 2008, CWRM staff saw a tributary of Palauhulu Stream that crosses a bridge at the service road (Piinaau Road). At the time, the tributary was dry. Back in the Honolulu Office, CWRM staff found that the tributary could possibly be Kaleiomaui Stream. In this visit, staff wanted to examine this tributary stream, and verify that the stream is not diverted at Koolau Ditch.</p> <p>At 1550, CWRM staff, EMI staff, and DOCARE officers arrived at the Koolau Ditch bypass gate, where the ditch daylighted into open ditch. The water temperature at the gate was 20°C. While CWRM staff were inspecting the open ditch and the bypass gate, EMI staff Henry Robello hiked further east. When he returned, he reported the presence of a dry streambed and a large pond approximately 300 feet from the bypass gate. CWRM staff hiked to the location of the dry streambed. Based on the location of Koolau Ditch and the coordinates of Kaleiomaui Stream taken from the bridge on the service road (refer to FI2008111702), the dry streambed is Kaleiomaui Stream. The stream continues to be dry upstream from Koolau Ditch (tunnel). Immediately downstream from the ditch, water drops into a large pond and continues to seep downstream. The downstream streambed was relatively dry.</p> <p>Staff left Kaleiomaui Stream at 1620 hours, and continued to document Koolau Ditch diversion intakes on Piinaau Stream. Refer to Field Investigation Report FI2008121005 (East Maui, Piinaau Koolau Ditch) for more information.</p>			
Image Listing: (Attach PDF of image contact sheet)			
File Name:	Brief Description:		
20081210062	Koolau Ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210063	Koolau Ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210064	Downstream from the Koolau Ditch bypass gate where the ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210065	Koolau Ditch bypass gate where the ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210066	Koolau Ditch bypass gate where the ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210069	Koolau Ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210070	Koolau Ditch daylighted into open ditch near Kaleiomaui Stream.		
20081210071	Large pond in Kaleiomaui Stream downstream from Koolau Ditch.		
20081210073	Large pond in Kaleiomaui Stream downstream from Koolau Ditch.		
20081210075	Large pond in Kaleiomaui Stream downstream from Koolau Ditch.		
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>
55	20.825877	-156.165388	Fork at Piinaau Road
60	20.8248	-156.168997	Koolau Ditch daylights, bypass gate on right bank of ditch
61	20.824275	-156.168629	Kaleiomaui Stream

Attachments:

Brief Description:

1. Image Contact Sheet

Recommendations:

IMAGE CONTACT SHEET



20081210062.JPG



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20081210069.JPG



20081210070.JPG



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20081210073.JPG



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