



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

FIELD INVESTIGATION REPORT
FI2008111804 (East Maui, Wailuanui, high flow)

Date of Field Investigation:	November 18, 2008	Time (24-hour):	1520 - 1530
CWRM Staff:	Ed Sakoda, Dean Uyeno, and Chui Ling Cheng		
Individuals Present:	Skippy Hau (DAR)		
Hydrologic Unit:	Wailuanui (6056)		
Stream Name:	Wailuanui Stream		

Findings:

At 1520 hours, CWRM staff and Skippy arrived at the Hana Highway bridge that crosses Wailuanui Stream. CWRM staff observed Wailuanui Stream from the bridge and determined the flow velocities in the stream to be too high* for taking measurements.

Staff left Wailuanui at 1530 hours, and continued to document high flows on Palauhulu Stream. Refer to Field Investigation Report FI2008111805 (East Maui, Palauhulu, high flow) for more information.

*Heavy rain fell on East Maui on the morning of Nov. 18. USGS rain gage (Station 204916156083701) in West Wailuaiki near Keanae recorded 1.8 inches of rain on Nov 18, and 0.82 inches on Nov. 19. Most of the rain fell on the early morning of Nov. 18, between 12AM and 3:30AM. The nearest USGS active streamgage with real-time data is located on West Wailuaiki Stream (Station 16518000). At approximately 12:00AM on Nov. 18, discharge in West Wailuaiki Stream began to increase from 2.7CFS to a peak flow of 2,010 CFS at 9:45AM. By Nov. 26, streamflow returned to 3.7 CFS. Refer to FI2008111801 (East Maui, Palauhulu, high flow) for real-time rainfall and discharge graphs.

Image Listing: (Attach PDF of image contact sheet)

<u>File Name:</u>	<u>Brief Description:</u>
20081118076	Cascading waterfall on Wailuanui Stream, upstream from from Hana Highway.
20081118078	Wailuanui Stream downstream from the cascading waterfall but upstream from Hana Highway.
20081118079	Cascading waterfall and Wailuanui Stream, upstream from Hana Highway.
20081118080	Wailuanui Stream downstream from Hana Highway.
20081118081	IIFS Site on Wailuanui Stream below the bridge on Hana Highway.
20081118083	Cascading waterfall and Wailuanui Stream, upstream from Hana Highway.

GPS Listing:

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

<u>File Name:</u>	<u>Brief Description:</u>
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>
0	20.832394	-156.138458	IIFS Site Flow Measurement on Wailuanui Stream
4	20.833606	-156.13696	Parking area near IIFS Site on Wailuanui Stream

Attachments:

- Brief Description:**
 1. Image Contact Sheet

Recommendations:

IMAGE CONTACT SHEET



20081118076.JPG



20081118078.JPG



20081118079.JPG



20081118080.JPG



20081118081.JPG



20081118083.JPG