



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

**FIELD INVESTIGATION REPORT**  
**FI2008102404 (East Maui, Wailuanui IIFS Site)**

<b>Date of Field Investigation:</b>	October 24, 2008	<b>Time (24-hour):</b>	1700 - 1830
<b>CWRM Staff:</b>	Dean Uyeno, Ken Kawahara, Chui Ling Cheng		
<b>Individuals Present:</b>	Agency staff - Matt Wong (USGS-Maui field technician), Skippy Hau (DAR staff);		
<b>Hydrologic Unit:</b>	Wailuanui (6056)		
<b>Stream Name:</b>	Wailuanui Stream		

**Findings:**

At approximately 1700 hours, staff crew (CWRM staff, Skippy Hau and Matt Wong) arrived at the bridge on Hana Highway that crosses Wailuanui Stream. While Skippy Hau remained on the bridge taking photos of Wailuanui Stream, CWRM staff and Matt Wong hiked down from the bridge to the stream via a small trail that begins on the right bank of the stream, on the downstream side of the bridge. The trail condition was hazardous because of the loose rocks and large boulders on the hill. Staff hiked approximately 300 feet downstream from the bridge until reaching a pond. The hike was mostly boulder hopping. Since night was approaching and daylight was limited, staff decided to return to the bridge. On the way back, Matt Wong noticed a location that may be suitable for taking flow measurements. The location is directly below the bridge. Matt advised CWRM staff to revisit this location and take a flow measurement on the next field visit. This is a potential interim instream flow standard (IIFS) site.

Staff crew concluded the field investigation at 1830 hours.

**Image Listing:** (Attach PDF of image contact sheet)

<b>File Name:</b>	<b>Brief Description:</b>
20081024154	Cascading waterfall on Wailuanui Stream upstream from the bridge on Hana Highway.
20081024157	Wailuanui Stream upstream from the bridge on Hana Highway.
20081024158	Wailuanui Stream downstream from the bridge on Hana Highway.
20081024159	CWRM staff and Matt Wong hiking down to Wailuanui Stream from the bridge on Hana Highway.
20081024160	Wailuanui Stream downstream from the bridge on Hana Highway.
20081024161	Pond 300 feet downstream from the bridge on Hana Highway on Wailuanui Stream.
20081024162	Looking at the from the bridge on Hana Highway from Wailuanui Stream.
20081024166	Potential flow measurement location on Wailuanui Stream. This location is directly below the bridge on Hana Highway.

**GPS Listing:**

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

<b>File Name:</b>	<b>Brief Description:</b>
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)

<b>WP No.</b>	<b>Latitude</b>	<b>Longitude</b>	<b>Brief Description:</b>
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:**

Wear hard hats and bring rope as safety precautions when hiking in Wailuanui Stream.

# IMAGE CONTACT SHEET



**20081024154.JPG**



**20081024157.JPG**



**20081024158.JPG**



**20081024159.JPG**



**20081024160.JPG**



**20081024161.JPG**



**20081024162.JPG**



**20081024166.JPG**