



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

FIELD INVESTIGATION REPORT
FI2008111802 (East Maui, Wailuanui, high flow)

Date of Field Investigation:	November 18, 2008	Time (24-hour):	0930 - 1030
CWRM Staff:	Ed Sakoda, Dean Uyeno, and Chui Ling Cheng		
Individuals Present:	DAR - Skippy Hau; Wailua Valley - Ed Wendt and Carl Wendt		
Hydrologic Unit:	Wailuanui (6056)		
Stream Name:	Wailuanui Stream		

Findings:

At 0930 hours, CWRM staff and Skippy arrived at Ed Wendt's residence on Wailua Road. Staff took a picture of Waikani Falls, which was full from the heavy rain*. After the heavy rain passed (about 10 minutes later), CWRM staff, Skippy, Ed and Carl Wendt drove down to Wailua Bay. During the Commission Site Visit in August 2008, the beach at Wailua Bay had a 30-40 feet long cobble beach that blocked the mouth of Wailuanui Stream. Streamflow would enter the ocean through the rocks or via a small channel near the right bank. During this field visit, the cobble beach was washed away by the high flows, allowing Wailuanui Stream to flow directly into the ocean.

Staff left Wailua Bay at 1030 hours, and continued to Lakini taro patch and Kualani Stream. Refer to Field Investigation Report FI2008111803 (East Maui, Lakini and Kualani) 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)

File Name:	Brief Description:
20081118008	Waikani Falls on Wailuanui Stream.
20081118009	Beach at Wailua Bay, where Wailuanui Stream flows into the bay.
20081118010	Beach at Wailua Bay, where Wailuanui Stream flows into the bay.
20081118011	Beach at Wailua Bay, where Wailuanui Stream flows into the bay.
20081118012	Wailua Bay.
20081118013	Beach at Wailua Bay, where Wailuanui Stream flows into the bay.
20081118014	Beach at Wailua Bay, where Wailuanui Stream flows into the bay.

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)

WP No.	Latitude	Longitude	Brief Description:
---------------	-----------------	------------------	---------------------------

Attachments:

Brief Description:

1. Image Contact Sheet

Recommendations:

IMAGE CONTACT SHEET



20081118008.JPG



20081118009.JPG



20081118010.JPG



20081118011.JPG



20081118012.JPG



20081118013.JPG



20081118014.JPG