



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

FIELD INVESTIGATION REPORT
FI2008111801 (East Maui, Palauhulu, high flow)

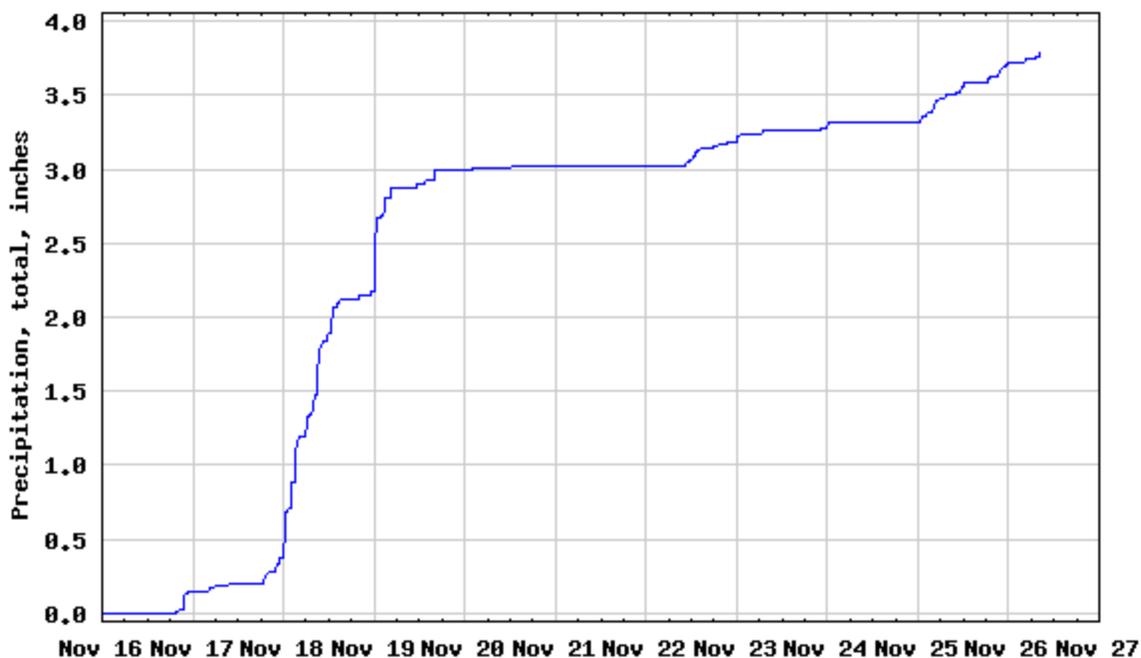
Date of Field Investigation:	November 18, 2008	Time (24-hour):	0900 - 0910
CWRM Staff:	Ed Sakoda, Dean Uyeno, and Chui Ling Cheng		
Individuals Present:	Skippy Hau (DAR)		
Hydrologic Unit:	Piinaau (6053)		
Stream Name:	Palauhulu Stream		

Findings:

At 0900 hours, CWRM staff and Skippy arrived at the Hana Highway bridge that crosses Palauhulu Stream. Staff observed Palauhulu Stream from the bridge and determined the flow velocities in the stream to be too high for taking measurements.

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.

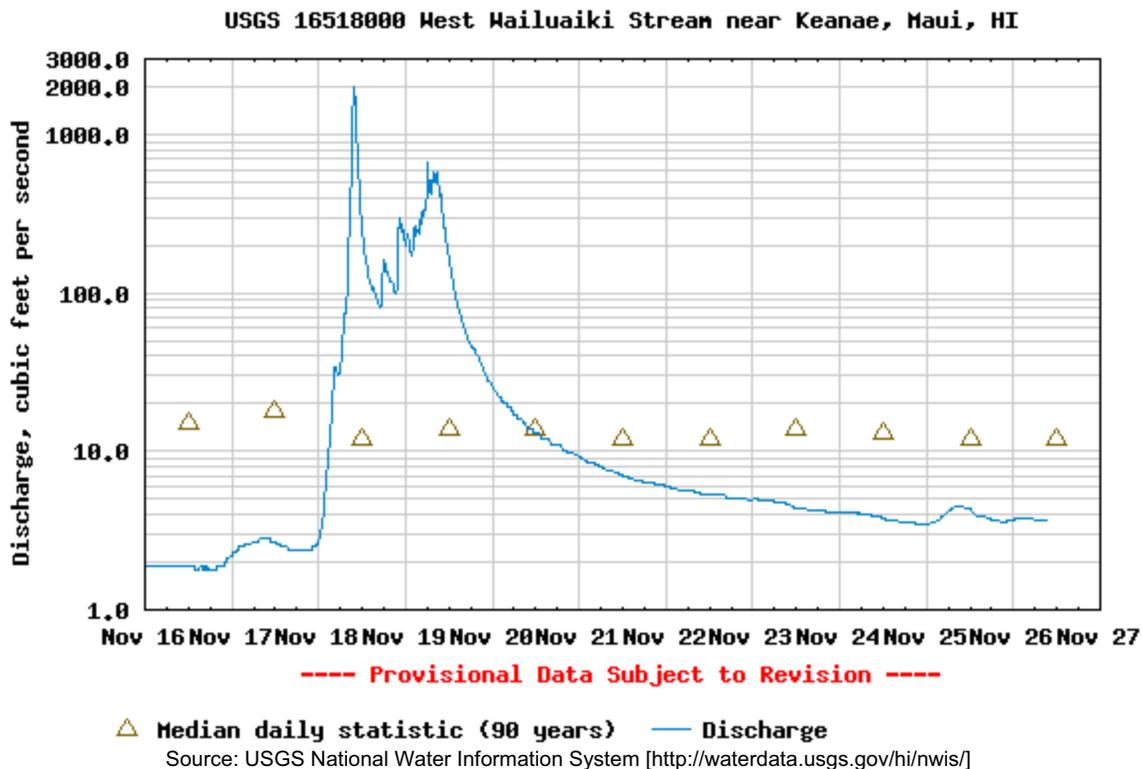
USGS 204916156083701 348.5 West Wailuaiki rain gage nr Keanae, Maui, HI



----- Provisional Data Subject to Revision -----

Source: USGS National Water Information System [<http://waterdata.usgs.gov/hi/nwis/>]

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 normal conditions at 3.7 CFS.



Staff left Palauhulu Stream at 0910 hours, and continued to document high flows in Wailuanui Stream. Refer to Field Investigation Report FI2008111802 (East Maui, Wailuanui, high flow) for more information.

Image Listing: (Attach PDF of image contact sheet)

<u>File Name:</u>	<u>Brief Description:</u>
20081118001	IIFS Site B on Palauhulu Stream during high flows.
20081118002	Palauhulu Stream upstream of IIFS Site B during high flows.
20081118003	Palauhulu Stream downstream of IIFS Site B during high flows.
20081118004	Palauhulu Stream downstream of IIFS Site B during high flows.
20081118005	Palauhulu Stream downstream of IIFS Site B, near the Hana Highway during high flows.
20081118006	Palauhulu Stream upstream of IIFS Site B during high flows.

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>
26	20.856333	-156.146474	IIFS Site B on Palauhulu Stream at Hana Highway

Attachments:

- Brief Description:**
 1. Image Contact Sheet

Recommendations:

IMAGE CONTACT SHEET



20081118001.JPG



20081118002.JPG



20081118003.JPG



20081118004.JPG



20081118005.JPG



20081118006.JPG