

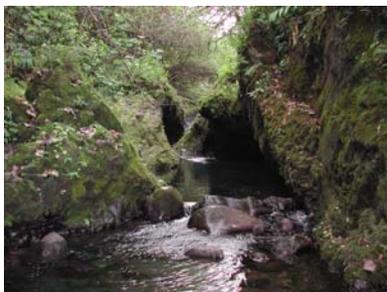


STATE OF HAWAII
DEPARTMENT OF LAND AND NATURAL RESOURCES
COMMISSION ON WATER RESOURCE MANAGEMENT
 Stream Protection and Management Branch

FIELD INVESTIGATION REPORT
FI2008102806 (East Maui, Palauhulu IIFS Site B, pre-release)

Date of Field Investigation: October 28, 2008		Time (24-hour): 1500 - 1700	
CWRM Staff: Ed Sakoda, Dean Uyeno, and Chui Ling Cheng			
Individuals Present:			
Hydrologic Unit: Piinaau (6053)			
Stream Name: Palauhulu Stream			
Findings:			
<p>At approximately 1500 hours, CWRM staff, arrived at the Hana Highway bridge that crosses Palauhulu Stream. The bridge is near the entrance to Piinaau Road. Staff crew hiked up Palauhulu Stream on the trail that begins on the left bank of the stream upstream of the bridge. During a previous field visit, Matt Wong from the USGS-Maui Office found a location on the stream that may be suitable for flow measurement (refer to Field Investigation Report FI2008102403 for more information). The location was directly below the bridge. Matt did not find any locations suitable for gage height reading. The stream was either too deep or there was no safe way to access the location.</p> <p>To access the measurement site, CWRM staff hiked upstream approximately 100 yards from the bridge on Hana Highway, and crossed the stream to the right bank. Then, staff hiked downstream to the measurement site directly below the bridge (IIFS Site B).</p> <p>CWRM staff prepared the site for flow measurement. The site was flagged with yellow tape, labeled with the stream name, IIFS site, and the date. Staff completed the entire flow measurement in 35 minutes. In addition to flow measurement, staff crew also recorded wind velocity, air temperature, water temperature and weather conditions. As computed back in the Honolulu Office, the flow at IIFS Site B was 1.951 cubic feet per second (1.261 million gallons per day), with no gage height readings.</p> <p>CWRM staff concluded the field investigation at 1700 hours.</p>			
Image Listing: (Attach PDF of image contact sheet)			
File Name:	Brief Description:		
20081028049	Palauhulu Stream upstream from the Hana Highway bridge.		
20081028051	Flow measurement site (IIFS Site B) on Palauhulu Stream, directly below the Hana Highway bridge.		
20081028052	Palauhulu Stream downstream from the Hana Highway bridge.		
20081028056	Flow measurement site (IIFS Site B) on Palauhulu Stream, directly below the Hana Highway bridge.		
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:
26	20.856333	-156.146474	IIFS Site B on Palauhulu Stream at Hana Highway
Attachments:			
Brief Description:			
1. Image Contact Sheet			
2. Discharge Measurement and Gage Inspection Notes			
Recommendations:			

IMAGE CONTACT SHEET



20081028049.JPG



20081028051.JPG



20081028052.JPG



20081028056.JPG

