HAWAI'I UNDERSEA RESEARCH LABORATORY

QUICK LOOK REPORT (QLR) for *Pisces* and *RCV-150*

DIVE: R-425

(*Extend length of sections as needed/appropriate*)

MISSION STATUS

Location: South of Pearl Harbor, Oahu, Hawaii

Latitude: 21° 12.40' N **Longitude:** 157° 56.00' W

Mission Date: 07Mar09 **Duration:** 2 hours 30 mins

Maximum Depth: 520 meters

Project Title: Hawaii Undersea Military Munitions Assessment (HUMMA)

Principal Investigator: Margo Edwards

Address: University of Hawaii

1680 East-West Road, POST 814B

Honolulu, HI 96825

Phone: 808-956-5232

Observer 1: Margo Edwards **Observer 2:** N/A

Address: Same as above **Address:**

Pilot 1: D. Greeson **Pilot 2:** P. Townsend

Scientific Data Acquired: Prepare an abstract outlining your objectives, techniques, findings, etc.

Objectives: Surveying the large speckle field for DMMs and continuing to the northwest across two additional speckle trails and several dredge dump sites.

The primary goal of the nighttime ROV program is to image some of the speckle trails so that we can avoid them with submersible dives if no potential chemical munitions are sighted. Similarly, if there is a possibility that the ROV has seen chemical munitions during the nighttime program, we will return the submersibles to those areas in the morning.

Observations, findings, etc:

The RCV-150 was tested during the day and confirmed to be working. During the initial launch attempt there was a hiccup with the cage not releasing the ROV, but the problem was fixed and the system was in the water before 2100. We successfully surveyed the broad, scattered ordnance field and the continued to the north and northwest and crossed over at least two additional speckle trails. As with the Pisces V dive earlier today, most of the targets in the broad field of speckles were determined to be smaller discarded munitions such as ammo boxes.

Observed Species list:

To be completed upon review of the video by a biologist.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The ROV could not be released from its cage during the initial attempt to deploy the system. The problem was swiftly fixed, and the ROV operated as expected for the rest of the tow.

Recommendations for corrective action or improvement:

None.

In your opinion, did the mission essentially achieve its purpose? Compare actual work accomplished with the work that was expected to be accomplished:

The mission achieved its purpose – we confirmed what had been seen earlier in the day by Pisces V, that this broad field of chaotic speckles does not appear to include chemical munitions.

List specimens or samples collected on the mission:

No samples or specimens collected.

DATA RELEASE

Data may be retained by the project leader for up to 2 years after the mission date with the following exception. NOAA may request to use photos for publication or publicity purposes at any time.

Fill in the appropriate statement below and sign this form.

I hereby release the data archived by HURL for public consumption following mission (Project title):

_Hawaii Undersea Military Munitions Assessment (HUMMA)_____

_____

Held on ___07Mar09___ (date) in the following way:

a. CTD data by ____31Dec09_____ (date)

b. Video and images by _____31Dec09_____ (date)

c. Other _____31Dec09_____ _ (date)

d. I will give my written consent to individuals wishing to use these data prior to the above dates depending on the nature of the request(s).

Margo H. Edwards, electronic signature dated 07Mar09
Principal Investigator