HAWAI‘I UNDERSEA RESEARCH LABORATORY

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

DIVE: P4-215

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

MISSION STATUS

Location: South of Pearl Harbor, Oahu, Hawaii

Latitude: 21° 12.954’ N **Longitude:** 157° 54.983 W

Mission Date: 17Mar09 **Duration:** 5 hours 0 mins

Maximum Depth: 506 meters

Project Title: Hawaii Undersea Military Munitions Assessment (HUMMA)

Principal Investigator: Margo Edwards

Address: University of Hawaii

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Honolulu, HI 96825

Phone: 808-956-5232

Observer 1: Eric DeCarlo **Observer 2:** Chris Hagler

Address: **Address:**

Pilot 1: M. Cremer **Pilot 2:** N/A

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

Objectives: We are returning to an area with known munitions to gather samples. Both subs will be holding the maximum number of samples, PIV will have eight sediment samplers, one push cores and eight water samplers. At each site, seven sediment and four water samples are to be taken at randomized sampling locations. PV will start sediment samples immediately upon sit of ordnance, conventional or chemical, when PIV reaches the bottom they will come in and finish the sample set by collecting water. The subs will then continue on each with a complete full

sampling set to be collected upon sitting of ordnance. The objective of the dive is to take three complete samples sets at munitions sites. If no potential chemical ordnance is found, samples are to be taken around conventional ordnance.

QLR continued

Observations, findings, etc:

Pisces IV got on bottom and immediately proceeded to Pisces V's location. When there was a break in the sampling Pisces IV came in a grabbed water samples and proceeded on toward waypoint #3. En route, discovered possible 2-pack of 105mm artillery rounds. Set up for and completed remaining samples. Continued to survey ocean floor with no notable observations.

Observed Species list:

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

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

None. DeCarlo

Recommendations for corrective action or improvement:

None. Duct tape, pliers, razorblades.

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 of sampling three complete sets between the two subs.

List specimens or samples collected on the mission:

HUMMA Mkr#12; 21º 12.950' N 157º 55.035' W DMM site #4
- Seven sediment samples
- One push-core

HUMMA Mkr#18 21º 12.942' N 157º 55.072' W DMM site #5
- Seven sediment samples
- Two water samples
- One push-core

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 ___11Mar09___ (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