HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT (QLR) for *Pisces* and *RCV-150*
DIVE: P4-213

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

MISSION STATUS

Location: South of Pearl Harbor, Oahu, Hawaii

Latitude: 21° 12.90' N **Longitude:** 157° 55.40' W

Mission Date: 08Mar09 **Duration:** 5 hours 0 mins

Maximum Depth: 475 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: Mike Knudsen **Observer 2:** Stephanie Davis

Address: ECBC **Address:** Environet, Inc.

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

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

Objectives: During Dive 4 (P5-720) we were unable to locate the ordnance seen on Dive 2 (P5-718), which appears to be likely chemical ordnance. Therefore, I am sending Max back to the site in the hopes that the terrain will look familiar and he will find the bombs he saw on Dive 2 again. The sampling strategy is very similar to what has been followed on previous dives.
If no UXO has been discovered by 1200, the divers are directed call the surface for directions to a site where another background sample suite in a non-dredge spoil area can be collected.

Observations, findings, etc:
After a bit of reconnaissance, Pisces IV was able to locate the potential chemical ordnance that Max and his observers had identified during P5-718. They were successfully able to collect a full suite of samples near the target. Prior to sampling they identified an extensive field of ammo boxes and shells.

Observed Species list:
To be completed upon review of the video by a biologist.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:
None.

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 was achieved.

List specimens or samples collected on the mission:
Marker HUMMA10: 11:23 21° 12.723’ N; 157° 55.508’ W (DMM in non-dredge #1)
7 sediment samples
2 water samples (collected by Pisces V)

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 ____08Mar09___ (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 10Mar09
Principal Investigator