HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT
DIVE: P5-793

MISSION STATUS

Location: Hawaii Undersea Military Munitions Assessment Study Area

Latitude: [redacted] **Longitude:** [redacted]

Mission Date: 01 Dec 2012 **Duration:** **5** hours, 42 mins

Maximum Depth: 539m

Project Title: HUMMA-III Phase 1 Field Program:
Submersible and Remote Camera Operations, Mass Spectrometer Transects

Principal Investigator: Margo Edwards

Address: Hawaii Institute of Geophysics and Planetology
School of Ocean and Earth Science and Technology
University of Hawaii
1680 East-West Road, POST Building Room #105
Honolulu, Hawaii 96822
Phone: (808) 956-5232

Observer 1: JC King
Address: : Office Assistant Deputy Sec. Army

Observer 2: Greg Kurras
Address: Seafloor Investigations

Pilot 1: Max Cremer **Pilot 2:** N/A

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

Objectives: The goal is for Pisces V to collect two full sets of samples near conventional munitions. Because the original HUMMA program in 2009 collected samples around numerous conventional munitions and did not detect any constituents at either 1 or 2 meters distance, we will only be collecting samples from 0-1 meter from munitions at these sites. If time permits, Pisces V will conduct reconnaissance surveys of conventional munitions trails in the area.

Dive Summary: Due to leaving port this morning and a fire-and-boat drill after our departure, the launch didn't start until 0930L. Pisces V reached the bottom at 1003L and found a conventional munitions sampling site by 1011L. They deployed Marker 31 and finished collected a full suite of samples (13 sediment scoops, 1 box core and 1 shrimp trap), finishing their tasks at 1148L. Traveling to the southwest, Pisces V encountered another conventional munitions sampling site at 1308L. Pisces V deployed Marker 30 and collected samples at this site until 1500L. Following sampling, Pisces V conducted a reconnaissance survey to the south until 1545L, at which time they left the bottom.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The shrimp trap deployed at Marker 30 did not collect very many shrimp. The trap was damaged during deployment at the site by the HOV, producing a large gap between the door of the trap and the trap itself that may have allowed shrimp to escape. However, the sub team also reported that there appeared to be fewer shrimp at the conventional munitions sites. The low number of shrimp at this site could be a result of either or both factors.

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.

This dive achieved its purpose.

List specimens or samples collected on the mission.

P5-793	Sediment	Shrimp*	Box Core	Brisingid	Water
Daily Samples	25	6	2	0	0
Total Samples	140	33	11	3	2

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)

held on_____(date) in the following way:

a. CTD data by_____(date)

b. video and images by_____(date)

c. other_____(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).

_____Principal Investigator