HAWAI'I UNDERSEA RESEARCH LABORATORY
QUICK LOOK REPORT
DIVE: P5-795

MISSION STATUS

Location: Hawaii Undersea Military Munitions Assessment Study Area

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

Mission Date: 03 Dec 2012 **Duration:** **5** hours, 42 mins

Maximum Depth: 586m

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

Principal Investigator: Margo Edwards

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Observer 1: Mike Knudsen
Address: ECBC

Observer 2: Iolana Kaneakua-Pia
Address: Environet, Inc.

Pilot 1: Terry Kerby **Pilot 2:** N/A

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

Objectives: The Pisces V will collect the final scheduled sample today, hopefully in a field of conventional munitions that the WHOI TowCam imaged during Tow #13. After collecting a full sample suite, Pisces V will head north to collect the KidCam. It will transit through several regions of subtle reflectors.

Dive Summary: Pisces V arrived on bottom near the munitions trail at 0847L and was able to start sampling essentially at their on-bottom location. Sample collection was completed by 1030L, and once again the impression was that there were fewer shrimp near conventional munitions than the M47s. At 1049L Pisces V began the long transect to the NW to retrieve the KidCam, encountering many M47s along the way. The KidCam was sighted at 1203L and recovery of the system was completed by 1227L. The rest of the dive was spent exploring various targets in the sonar data that were located to the south of the target clusters. Of note was the discovery of a large aircraft that appeared to have been damaged in air; it was covered with line so Pisces V was unable to approach from more than one direction. Pisces V left the bottom at 1545L.

MISSION EVALUATION:

Limitations, failures, or operational problems noted:

The (27 kHz) beacon on the KidCam was audible and thus annoying for the Pisces crew, and the camera itself obstructed the view of the pilot. Because of these issues and the fact that the camera was encountered about halfway through the dive, it was tempting to leave the KidCam in place until later in the day and recover it shortly before returning to the surface. However, the currents had picked up significantly the previous afternoon, so Terry advised Max to pick up the KidCam and carry it throughout the remainder of the dive. This turned out to be excellent guidance as the current did indeed push Pisces V around strongly (to the west) for the last 1.5 hours of the dive.

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.

P5-795	Sediment	Shrimp*	Box Core	Brisingid	Water
Daily Samples	13	3	1	0	0
Total Samples	153	36	12	3	5

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