

**HAWAI'I UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT  
DIVE: P5-790**

**MISSION STATUS**

**Location:** Hawaii Undersea Military Munitions Assessment Study Area

**Latitude:** [REDACTED]

**Longitude:** [REDACTED]

**Mission Date:** 27 Nov 2012

**Duration:** 3 hours, 14 mins

**Maximum Depth:** 564m

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

**Principal Investigator:** Margo Edwards

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**Phone:** (808) 956-5232

**Observer 1:** Dan Fornari

**Observer 2:** Rich Camilli

**Address:** Woods Hole Oceanographic Institution

**Address:** WHOI

**Pilot 1:** Terry Kerby

**Pilot 2:** N/A

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

**Objectives:** Pisces V will conduct a radial transect survey around a munitions casing while using a pump to suspend local sediments in the water column. The goal of this effort is to test the TETHYS mass spectrometer's ability to map chemical constituents along short (meters-long) transects near targets of interest. Pisces V will also collect a full suite of samples at a minimally breached munitions site. The full suite in this case is 17 sediment scoops (including additional samples at the 2m mark), one box core and one shrimp trap.

**Dive Summary:** The sub was launched about 1247L and was on bottom by 1319L. Pisces V located a suitable site for the mass spectrometer experiment at 1333L, deployed Marker 24, and began conducting transects. A water sample was collected for comparison with the results produced by the TETHYS. At 1431 the mass spectrometer survey was terminated so that a full suite of samples could be collected at a minimally breached site before Pisces V had to return to the surface. As a result, not all of the transects were completed. Pisces V located a suitable sampling site at 1453, deployed Marker 25, and proceeded to collect samples until 1633L. All samples but one were collected near the M47 at the Marker 25.

**MISSION EVALUATION:**

**Limitations, failures, or operational problems noted:**

The claw on the Titan arm would not open at the outset of this dive, but by 1357L it had been rebooted and was working properly.

**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.**

<b>P5-790</b>	<b>Sediment</b>	<b>Shrimp*</b>	<b>Box Core</b>	<b>Brisingid</b>	<b>Water</b>
<b>Daily Samples</b>	16	3	1	0	1
<b>Total Samples</b>	61	18	6	2	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