

**HAWAI'I UNDERSEA RESEARCH LABORATORY  
QUICK LOOK REPORT  
DIVE: P5-794**

**MISSION STATUS**

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

**Latitude:** [REDACTED]

**Longitude:** [REDACTED]

**Mission Date:** 02 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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**Phone:** (808) 956-5232

**Observer 1:** Rich Camilli  
**Address:** WHOI

**Observer 2:** Natalie Brusio  
**Address:** University of Hawaii

**Pilot 1:** Terry Kerby

**Pilot 2:** N/A

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

**Objectives:** Today is dedicated to the TETHYS mass spectrometer, which will be used throughout the dive to remotely sense sediments that have been stirred up from the bottom for traces of mustard agent and its degradation byproducts. The "KidCam" time-lapse camera is also being installed on the basket and will be deployed when a brisingid is located. We expect the KidCam to operate over night and be picked up tomorrow.

**Dive Summary:** Pisces V arrived on bottom at 0838L and quickly located an M47 munitions casing that had been significantly breached during previous dive operations. They began a TETHYS transect at this site, but because the KidCam was partially obstructing the pilot's view, they aborted this effort in the hopes of finding a location to deploy the camera quickly. In took until 1130L to find a suitable site with a brisingid. The KidCam was deployed and the munitions casing where it is located, as well as another close by, proved good targets for the mass spec transects. Pisces V spent the rest of the dive locating other munitions and operating the TETHYS in their vicinity. In addition to finding multiple M47s, Pisces V located a large torpedo. Pisces V also collected three discrete water samples during this dive, at three different munitions. The sub left the bottom at 1606L.

**MISSION EVALUATION:**

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

Nothing to report.

**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>P5-794</b>	<b>Sediment</b>	<b>Shrimp*</b>	<b>Box Core</b>	<b>Brisingid</b>	<b>Water</b>
<b>Daily Samples</b>	0	0	0	0	3
<b>Total Samples</b>	140	33	11	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