**M/V *Alucia* & M/V *Umbra* 2015 Cruise Planning Document**



To Whom It May Concern:

 This document contains information for the Principal Investigator and Chief Scientist planning their research cruise. There are many items to attend to and WHOI will be here to help you at any and every point in the process. *Alucia* and *Umbra* are unique vessels with unique capabilities and challenges; they are unlike any UNOLS vessel in configuration and purpose.

The following are ‘must have’ items to conduct your cruise.  Detailed information about each is below.

1. Cruise planning questionnaire (submit as soon as possible)
2. Pre-cruise meeting (held with WHOI once the cruise is approved)
3. Timeline of field activities (this is a day-by-day plan of your cruise including mobilization)
4. Research clearance for the nation(s) who territorial waters you will be working in.
5. Personnel list (*Alucia* has accommodations for a science party of 9; *Umbra* has accommodations for a science party of 11).
6. **Cruise Planning Questionnaire**

This document that can be found here:

 <http://www.whoi.edu/fileserver.do?id=212224&pt=2&p=166309>

and can be downloaded as a PDF and faxed or emailed to:

**Philip Sacks** – Mission Coordination

psacks@whoi.edu

Office: 508-289-4931

Mobile: 508-560-4787

Fax: 508-457-2185

The Cruise Planning Questionnaire allows us to begin planning for your mission and bring the most appropriate departments and professionals at both WHOI and aboard the *Alucia* and/or *Umbra* into the planning process.

1. **Pre-Cruise Meeting**

This meeting, often the first of many, brings the Chief Scientist and key personnel to the table with the marine and scientific professionals from WHOI. This is key to developing the logistics and a mission plan that is safe and feasible.

This meeting can be conducted in person at Woods Hole Oceanographic Institution or via teleconference. It should be set up as soon as possible with:

**Philip Sacks** – Mission Coordination

psacks@whoi.edu

Office: 508-289-4931

Mobile: 508-560-4787

1. **Timeline**

The timeline is a planning schedule for the intended operations on a day-by-day basis. It can be submitted in any format and should show all operations planned/proposed, duration per day, crew support required and how many days on mission they will be conducted.

Example:

This will allow your science party, WHOI and personnel from *Alucia* and/or *Umbra* to evaluate the workload and, if necessary, edit the plan to ensure both the ship(s) and the crew(s) are not overburdened or underutilized.

1. **Research Clearances**

Research Clearances are necessary for operation within any country’s Economic Exclusive Zone (EEZ). The EEZ of any nation extends 200 nautical miles seaward from the nation’s coast. Often the EEZ is extended due to small islands. It is imperative to be aware of the location of any proposed sampling in reference to the nearest nation’s EEZ. Currently, all research clearances are handled by:

Eric Benway

ebenway@whoi.edu

508-289-3770

1. **Personnel List**

*Alucia* has 9 berths and *Umbra* has 11 berths for the science party. This includes any additional technicians, sub pilots or videographers. The principle submersible pilot and the Dive Safety Officer are not included in this number. Personnel can be a limiting factor in some operations, for instance operation of a single submarine would require 3 to 4 additional individuals as crew which reduces the total number of available bunks. Please note that both the crews of the *Alucia* and the *Umbra* stand a full and regular watch schedule and should not be relied upon for labor during scientific operations, though they can and will lend a hand as time permits.

Welcome to the M/V *Alucia* and M/V *Umbra*’s 2015-2016 cruise season. We at Woods Hole Oceanographic Institution look forward to aiding you in a safe and successful research cruise.

Kind Regards,

WHOI Marine Operations

**Roles & Responsibilities: Alucia Science Cruise Planning**

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