

USC Wrigley Institute for Environmental Studies

Wrigley Marine Science Center Research Activities Plan

Welcome to research at the Wrigley Marine Science Center on Santa Catalina Island. As you may know we are located on an island and our entire adjacent waterfront is contained within a Marine Protected Area. These two facts make logistics a bit more complex. We have years of experience planning and performing research at the WMSC (and we are just an hour long boat ride to LA for emergencies), so do not let this be a concern. However, by giving us a few specifics about your needs/wants we hope to make your research experience on Santa Catalina far more successful.

This form also helps us to generate reports for USC, State and Federal Agencies, and Non-profit organizations to help us continue to grow and improve the WMSC.

For any questions or comments (or if there is concern that the specifics of your research may not be encompassed in this form), please contact our Lab Coordinator, Brittany Martinez (bm27081@usc.edu).

Background Information:

Name:	Address:
Institution:	
Department:	Email:
Advisor (if applicable):	Phone:

Total number of researchers:

Optional: # of Undergrads:

of Graduate Students:

of Post-Doc Fellows:

Is this research leading toward a graduate degree?

Funding Source or Award Number:

Proposed Dates for Research at WMSC:

Title of Proposed Research: (A brief description of your research project)

Optional: A two-sentence description of your research that can be shared with the “general public”. *We host numerous groups and visitors at would like to use this information to represent you and your research to them.*

Laboratory Space, Chemical Use Plan and Equipment Requests:

Does your research require space in the laboratory building?

Number of “bench bays” or total area requested:

Type of research: (Molecular biology, cove observations, culturing etc...)

Special needs/requests: (Chemical or clean air hoods, wired internet connection, etc.)

Have you completed a laboratory safety course?

If yes, please list the Institution, and the name of the course:

Chemical Use Plan:

*We are adjacent to a Marine Protected Area and located inside an Area of Special Biological Significance and therefore no chemical waste or altered seawater can be disposed “down the drain”. All waste is required to be taken off the Island with you or arrangements must be made with WMSC lab staff and USC Hazmat for holding in our Hazmat shed.

Names of chemicals to be used:

Mode of transport to the Island: (check below)

Bringing with you (You are required to check with either Ferry company or boat crew to make sure they can be transported on a public vessel)

Direct shipment to the Island (Let us know approximate size and if there is any special handling, e.g., store at -20.)

Disposal Plan: (check below)

Taking with you (Please check with either Ferry company or boat crew to make sure they can be transported on a public vessel)

Make arrangements to dispose of waste on the island with the lab manager

Equipment Requests: List below what equipment you require. Certain commonly used equipment is available in the laboratory and would not need to be transported, if available.

Flowing Seawater Tanks: If your research will require Seawater tanks, please select the type and number of tanks requested from the below list.

_____ Acrylic Seatable: Depth 6”, Length 34 ½”, Width 23 ¼”

_____ Acrylic Seatable: Depth 12”, Length 34 ½”, Width 23 ¼”

_____ Poly. Round Tank: Depth 34”, Diameter 60”

_____ Other: _____

OTHER REQUESTS

Vehicle and Boat Needs: If your research will require the use of USC vans or boats, please enter the number of requested vehicles or vessels from the below list.

_____ Van (10max w/ driver)

_____ Electric Vehicle (2-4max w/ driver)

_____ Sm. Boat 13-20ft Boston Whalers, Panga, or “Loper” Custom made (50hp outboard max) [Limited to Small Boating Area]

_____ Lg. Boat 17ft Boston Whalers–Beagle, Mercury (60-75hp), 20-21ft Boston Whalers–T. Johnson, Cetacea (150hp) [Approved outside Small Boating Area]

_____ Chartered Boat 26ft Vibrio (300hp) – 6 passengers max

_____ Chartered Boat Miss Christi – 42 passengers max [Limited to Catalina and transport across the San Pedro Channel]

Required: to drive Vehicles at WMSC, you must have an approved Driver Application. For vessels, review the USC WMSC Boating Safety Manual. See: wrigley.usc.edu/facilities for details

Live (or field) Animal Collection: Will your research require collection of live animals (plankton excluded)?

For all vertebrates:

Include your IACUC number:

All vertebrates held at USC facilities (including WMSC) require an approved [USC IACUC permit](#).

For Live Collections (including plankton): a [CA Scientific Collecting Permit](#) is required to be submitted with this RAP sheet.

SCUBA Requests: Will your research involve SCUBA diving?

For more information on how to dive at WMSC, visit wrigley.usc.edu/scientificdiving

DRONE Usage: Will you be bringing a drone to WMSC?

If **YES**, the following steps are required:

- Complete the Wrigley Drone Flight Permit application (found here: wrigley.usc.edu/drone) and email it to sperow@usc.edu for initial review a minimum of 30 days before your first planned drone flight. Victoria will facilitate approval from the USC UAS Review Board (<https://policy.usc.edu/unmanned-aerial-systems-drones/>).
- FAA regulations require airport/heliport notification of drone flights within 5 miles of the airport/heliport
- Below is a map with the four main 5-mile radius zones on the island – When attempting to fly a drone within the following areas, you need to notify the following:
 - Within the **RED** circle: Notify USC Chamber Supervisor (**310-510-1053**) and USC Waterfront staff (**310-510-4024**) and **provide names and contact phone numbers of the members in your group so you can be contacted in the event of a nonscheduled helicopter landing.**
 - Within the **BLUE** or **GREEN** circle: Notify Island Express (**310-510-2525**)
 - Within the **YELLOW** circle: Notify Catalina Airport Tower (**310-510-0143**), USC Chamber Supervisor (**310-510-1053**) and USC Waterfront staff (**310-510-4024**)

***Be aware that all planned drone activities can be halted in cases of unscheduled landings at the heliport.**

