

State of Hawaii  
DEPARTMENT OF LAND AND NATURAL RESOURCES  
Division of Aquatic Resources  
Honolulu, Hawaii 96813

April 24, 2009

Board of Land  
and Natural Resources  
Honolulu, Hawaii

Request for Approval of Special Activity Permit 2009-81 for  
Ms. Traci Erin Cox of The University of Hawaii at Manoa

The applicant proposes to conduct activities relating to research on Hawaiian inter-tidal shoreline tidepools and ecosystems. The study also will examine algal response to differing nutrient, salinity, temperature, and other environmental conditions. These activities propose to drain selected tidepools around Oahu, including one site within the Waikiki-Diamond Head Shoreline Fisheries Management Area (FMA), collect and identify all marine life found therein, and refill and return the collected organisms. In areas outside of the FMA, some non-regulated algal samples may be kept for further analysis.

RECOMMENDATION:

“That the Board authorize and approve, with stated conditions, this Special Activity Permit for Ms. Traci Erin Cox of The University of Hawaii at Manoa.”

Respectfully submitted,



DAN POLHEMUS  
Administrator

APPROVED FOR SUBMITTAL:



LAURA H. THIELEN  
Chairperson

Department of Land & Natural Resources  
 DIVISION OF AQUATIC RESOURCES  
 1151 Punchbowl Street, Room 330  
 Honolulu, Hawaii 96813

Date Issued: April 24, 2009

Valid not longer than April 23, 2010

SPECIAL ACTIVITY PERMIT

The Department of Land and Natural Resources hereby grants permission for certain activities involving aquatic organisms belonging to the people of Hawaii, under Section 187A-6, Hawaii Revised Statutes, and other applicable laws.

The Permittee is

Name:	Traci Erin Cox	Address:	Botany Department
Title:	Graduate Student		3190 Maile Way, Rm 101
Affiliation:	UH-Manoa		Honolulu, HI 96822

This permit is issued, subject to the general and special conditions, for research on inter-tidal communities and their ecosystem, to study macroalgae response to differing nutrient, salinity, temperature, light levels in the species listed in the table below.

Common Name	Scientific Name	Number Specimen	Locations; see Special Conditions II.B.
Algae	<i>Padina sanctae-crucis</i>	handful	Oahu
	<i>Laurencia mcdermidae</i>	handful	Oahu
	<i>Sargassum echinocarpum</i>	handful	Oahu
Algae	<i>Various to be determined</i>	handful	Oahu
Wrasse	<i>Thalossoma spp</i>	Catch & release	Oahu
Blenny	<i>Istiblennius zebra</i>	Catch & release	Oahu
Blenny	<i>Entomarcodus spp</i>	Catch & release	Oahu
Blenny	<i>Bathygobius spp</i>	Catch & release	Oahu
Damsel fish	<i>Abudefduf spp</i>	Catch & release	Oahu
Fish	<i>Various to be determined</i>	Catch & release	Oahu

I. GENERAL CONDITIONS:

- A. This permit does not make the Department of Land and Natural Resources or the State of Hawaii liable in any way for any claim of personal injury or property damage to the permittee or assistants which may occur during any activity conducted under this permit; moreover, the permittee and all assistants agree to hold the State harmless against any and all claims of personal injury, death or property damage resulting from activities of the permittee or any assistant.

- B. This permit conveys a privilege to engage in only those activities under the jurisdiction of the Department of Land and Natural Resources. The permittee is responsible for complying with all applicable County, State, and Federal requirements. The permit does not convey any privilege of access over or through private property.
- C. The permittee and each assistant are individually responsible and accountable for their actions while conducting activities authorized under this permit; additionally, the permittee is responsible and accountable for the actions of the permittee's assistants.
- D. This permit is not transferable or assignable. Any person whose name does not appear on this permit and is conducting any activity described herein is subject to prosecution for violation of State laws.
- E. The permittee may request changes to the permit. Any such request to make changes to the permit must be made in writing and received by the Department at least thirty days prior to the change. The addition of new assistants will require each individual to sign the Attachment on page 6 stating that they have read, understood, and agree to abide by all general and special permit conditions. No change may be implemented without written approval from the Department.
- F. The permittee may request to:
  - 1. Add assistants to the permit;
  - 2. Add another permittee or replace an existing permittee in the manner stated above; and
  - 3. Change the activities authorized under this permit.
- G. The permittee or their assistant(s) must have with them a copy of this permit while conducting activities authorized by this permit.
- H. This permit authorizes collection of organisms protected by Federal law only with prior appropriate Federal authority, which must be described on Page 1 of this permit (if applicable).
- I. This permit does not authorize the sale of any collected organism.
- J. This permit expires on the date indicated on Page 1. Within one month of the expiration date, the permittee must return this permit to the address listed on the upper left corner of page 1 with complete information on all activities authorized under this permit, on the attached Activity Report form.
- K. The permittee and assistants agree to provide access to data obtained under authority of this permit upon request of the Division of Aquatic Resources, and to provide to the Division a copy of each report, published for distribution, prepared with data obtained under this permit. The permittee agrees to provide the Division of Aquatic

Resources access to organisms obtained and held under this permit for on-site inspection.

- L. The permittee agrees to notify the island office of the Division of Conservation and Resources Enforcement at least 24 hours prior to any authorized activity being conducted in the field. Please provide the permittee name, the permit number, the date, time, and location of the planned activity, and contact information.
- M. A violation of any terms or condition of this permit or any violation of State law not covered by this permit may result in revocation of the permit and other penalties as provided by law. In addition, the Department may consider any such violation as grounds for denying any future application for this or any other permit issued by the Department.

## II. SPECIAL CONDITIONS

- A. This permit authorizes the use of a pump to drain 10 tidepools/site. All marine life in the tidepool would be collected, identified then released back into the re-filled tidepool. Up to three pieces of algae may be collected from each site for stable isotope analysis at the UH Geochemical Laboratory on Oahu. This permit lists various species of marine life because it is difficult to predict all the potential species that may be encountered in the tidepools. No regulated species will be kept.
- B. Six sites, located at Diamond Head, Sandy Beach, Makapuu, Nanakuli, and Turtle Bay are authorized. Also authorized is a survey of algae within the Waikiki-Diamond Head Shoreline Fisheries Management Area (FMA), Oahu. No marine life, except the algae species listed on page 1, may be taken from within the FMA.
- C. The primary permittee and designated assistants are required to obtain permission before entering upon lands or waters not under the jurisdiction of the Department.
- D. This permit does not by implication authorize the primary permittee or any designated assistant to engage in any other activity that is in violation of any other State, Federal or County law, regulation or ordinance.

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LAURA H. THIELEN, Chairperson  
Department of Land and Natural Resources

cc: (x) DOCARE

SIGNATURES AND AGREEMENT

By my signature below, I acknowledge receipt and understanding of the general and special conditions of this Special Activity Permit. Further, I agree to abide by all of these conditions when conducting activities authorized by this permit.

PRINCIPAL PERMITTEES: Traci Erin Cox  
Traci Erin Cox

DESIGNATED ASSISTANTS:

Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____
Signature: _____	Signature: _____
Print Name: _____	Print Name: _____

ACTIVITY REPORT

Results of all activities performed under authority of this permit must be reported on this form (or copies) within one month after the permit expires (see first page). Use as many sheets as you need. Submit the report to the Division of Aquatic Resources at 1151 Punchbowl Street, Room 330, Honolulu, HI 96813.

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Date	Location	Common or Scientific Name	Quantity Collected*	Disposition of Specimens
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Permittee Signatures

\_\_\_\_\_  
Printed name                      Signature                      Date

\_\_\_\_\_  
Printed name                      Signature                      Date

\*If salvaged (collected because the specimen was dead or injured already), please detail circumstances: condition (dead, or describe extent of injury), how or from whom the specimen was obtained.

ATTACHMENT FOR DESIGNATED ASSISTANTS ONLY

Primary Permittee: Traci Erin Cox

I, being the primary permittee, hereby acknowledge the addition of the following designated assistants.

\_\_\_\_\_  
Traci Erin Cox

\_\_\_\_\_  
Date

ADDITIONAL DESIGNATED ASSISTANTS

We, the undersigned, have read, understand, and agree to all conditions stipulated in the above Special Activity Permit.

Signature \_\_\_\_\_

Print Name: \_\_\_\_\_

Signature \_\_\_\_\_

Print Name: \_\_\_\_\_