California Sea Grant

Annual and Final Project Progress Report

California Sea Grant (CASG) is required to file annual and final progress reports on each funded project with NOAA and NOAA Sea Grant. Your report is due 30 days after the annual ending date of your project and 45 days after the completion date. This is a fillable PDF. After filing your year-one report, you can save the PDF to update the appropriate fields in subsequent years.

Please answer the questions below succinctly in a style suitable for a lay audience, indicating "N/A" if a question does not apply.

Please note, *this report is a public document, and your final progress report will be posted online with the eScholarship Repository* (http://repositories.cdlib.org/csgc/) unless you notify CASG in writing that you have a manuscript, patent or license pending and want us to defer posting.

Questions? Call the Grants Specialist at 858-534-7855 or email sgproposal@ucsd.edu.

This report replaces the former CASG Project Questionnaire and Technical Narrative.

Today's Date: **This is the   Annual   Final Report**
Report for FY begin (mm/dd/yyyy):   **, end:**

Preparer Information
          Name
          Email
          Phone

Project Information
          CASG Project No.
          NOAA Grant No.
          Actual start date
          Planned completion date (including extensions)
          Project Title

Project Leader
          Last Name
          First Name
          Middle Initial
          Institution
          Department

Street Address
City
State
ZIP
Phone
Fax
Email
Position Title

Project Co-Leader
Last Name
First Name
Middle Initial
Institution
Department
Street Address
City
State
ZIP
Phone
Fax
Email
Position Title

Project Hypotheses

Project Goals and Objectives

Briefly describe project methodology

Describe progress and accomplishments toward meeting goals and objectives

Project modifications

Explain briefly any substantial modifications in research plans, including new directions pursued and ancillary research topics developed. Describe major problems encountered and how they were resolved

Project outcomes
Briefly describe data, databases, physical collections, intellectual property, models, instruments, equipment, techniques, etc., developed as a result of this project and how they are being shared.

Impacts of project
Briefly describe how this project has contributed to a discipline; to developing human resources; to developing physical, institutional or information resources; technology transfer; and society beyond science and technology. Please notify CASG of impacts that occur after your project ends; CASG may contact you after your project ends to learn about additional impacts that occur over time.

Benefits, commercialization and application of project results
Please list any companies, agencies, organizations or individuals who have used your project results, scientific/technical advice, etc., and provide names, emails and phone numbers. Briefly describe how results were used and quantify results and socioeconomic benefits, if possible.

Economic benefits generated by discovery, exploration and development of new, sustainable coastal, ocean and aquatic resources (i.e., aquaculture, marine natural products, foods, pharmaceuticals).

Issue-based **forecast capabilities** to predict the impacts of a single ecosystem stressor, developed and used for management (i.e., climate change, extreme natural events, pollution, invasive species, and land resource use).

Tools, technologies and **information services** developed (i.e., land cover data, benthic habitat maps, environmental sensitivity index maps, remote sensing, biosensors, AUVs, genetic markers, technical assistance, educational materials, curricula, training).

Publications (list in appropriate category below) Each listing should be a stand-alone bibliographic reference, including all authors' names.

For each Publication type, specify title, authors, date and journal details, where appropriate (repeat headers as necessary).

Technical reports

Conference papers, proceedings, symposia

Peer-reviewed journal articles or book chapters

Brochures, fact sheets

Books, monographs

Electronic publications (websites–give URL, CDs, videos, DVDs, MP3s, PowerPoint presentations, software, and other nonprint formats).

Maps, charts, atlases

Handbooks, manuals, guides

Theses, dissertations

Newsletters, periodicals

Program reports (annual/biennial, strategic plans, implementation plans)

Bibliographies, directories

Miscellaneous documents (posters, bookmarks, radio scripts, workshop summaries, other educational materials not listed above).

Media coverage
If possible, send copies to CASG Communications, email mgear@ucsd.edu

Workshops and presentations
Please list any workshops/presentations given, type of audience (i.e., K-12 educators), location, date, number of attendees, and briefly describe content presented.

Dissemination of results
List any other ways in which results of your project have been disseminated. Indicate targeted audiences, location, date and method.

Students
Please list all students involved in your project. Instruct all students supported by Sea Grant funds to annually submit a Sea Grant Trainee/Fellow/Scholar report at http://www.csgc.ucsd.edu/FUNDING/MANAGING/SGPostAwdInst.html.
       Student No. 1
       Last Name

First Name
Middle Initial
Institution
Department
Degree program enrolled in
Theses/dissertation title
Supported by Sea Grant funds? [] yes [] no
Start date
End date

Student No. 2
Last Name
First Name
Middle Initial
Institution
Department
Degree program enrolled in
Theses/dissertation title
Supported by Sea Grant funds? [] yes [] no
Start date
End date

Student No. 3
Last Name
First Name
Middle Initial
Institution
Department
Degree program enrolled in
Theses/dissertation title
Supported by Sea Grant funds? [] yes [] no
Start date
End date

How many students volunteers were involved in the project?

Cooperating organizations
List under appropriate category below, those who provided financial, technical or other assistance to your project and briefly describe their role. *Please place each name on a new line, and double-space between names.*

Federal organizations

Regional organizations

Local and state organizations

Nongovernmental organizations

International organizations

Industry

Other Sea Grant programs

Academic Institutions

Other organizations not listed above.

Does your project involve any colleagues overseas or have international applications?
International implications

Awards
Please list and describe any awards received by project leaders or Sea Grant supported students during your project, including organization presenting award, title of award and date.

Keywords
List keywords to be used in indexing your project separated by commas.

Patents or licenses
Please list any patents or licenses that have resulted from this project and complete the patent statement form on the CASG website:http://www-csgc.ucsd.edu/FUNDING/ MANAGING/CASG/PoliciesGuidelinesReports.html

Notes
Provide information not covered above that will help us report on your project.