



Dive and Boat Safety Program Fact Sheet

Functional Role

The UCSB Dive and Boat Safety Program oversees UCSB's SCUBA programs and research projects requiring the use of SCUBA or boats. This program also enables UCSB to meet the scientific diving standards of the Occupational Safety and Health Administration (OSHA) and the American Academy of Underwater Sciences (AAUS) by providing the training, dive planning and logistical support required for this type of underwater work.

Performance Objectives

- Achieve/maintain compliance with Fed and Cal OSHA diving requirements.
- Achieve/maintain compliance with the US Coast Guard and Scientific Boating Safety Association's boating requirements.
- Achieve/maintain compliance with American Academy of Underwater Sciences (AAUS) scientific diving standards.
- Expand Diver Management Database to include Boating Safety features and provide tool to other UC's.
- Provide the campus researchers with efficient support & oversight while helping to ensure all UCSB diving and boating activities occur in a safe and effective manner.

Program Elements

Scientific Diving

- Oversight of scientific diving operations with special attention to safety, and to ensure implementation of all applicable program policies and standards.
- Provide the semi-annual 100hr Dive Safety Course required for to be authorized to conduct scientific diving.
- Approve visiting scientific divers that collaborate with UCSB scientific divers.
- Provide required emergency management training for scientific divers.
- Provide depth certification training for scientific divers.
- Provide annual equipment inspections for scientific divers and oversees the campus Dive Locker.
- Review and approve scientific dive plans.
- Administer the scientific diver management database, Webdiver.
- Complete air sample test for all UCSB SCUBA compressors.

Commercial Diving

- Oversight of UCSB commercial diving operations with special attention to safety, and to ensure implementation of all applicable program policies and standards.
- Approve divers involved with any UCSB commercial diving operations.
- Review and approves dive plans.

Recreational Diving

- Oversight of UCSB recreational diving operations with special attention to safety, and to ensure implementation of all applicable program policies and standards.

Scientific Boating

- Oversight of UCSB scientific boating operations with special attention to safety, and to ensure implementation of all applicable program policies and standards.
- Develop, review and revise UCSB Small Boating Manual, operational protocols, training and equipment policy for all scientific small boat activities under the auspices of UCSB.
- Administer the scientific boating management database, Web-Boater.

Regulatory Compliance

Federal

- Scientific diving is defined (29 CFR 1910.402) as diving performed solely as a necessary part of a scientific, research, or educational activity by employees whose sole purpose for diving is to perform scientific research tasks.

Requirements for a Scientific Diving Safety Program

- Diving Control Board
- Diving Safety Manual approved by American Academy of Underwater Sciences (AAUS)
- Diving Safety Officer
- Federal Boating (33 CFR)

Cal OSHA

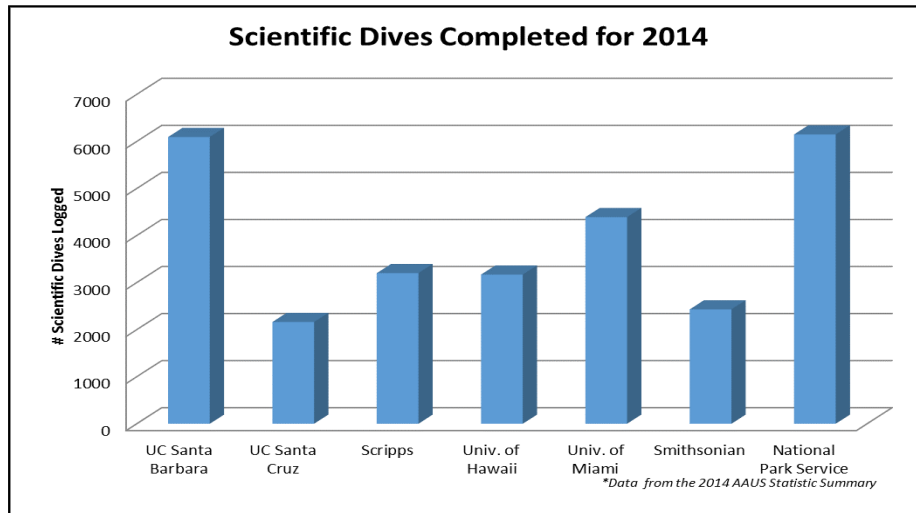
- **Commercial Diving Operations:** Subchapter 7.Group 26.Article 152
- **California Boating Law**

Program Performance Management Statistics

Total Number of Scientific Dives Completed in CY 2014

Measures the total number of scientific dives completed during the CY.

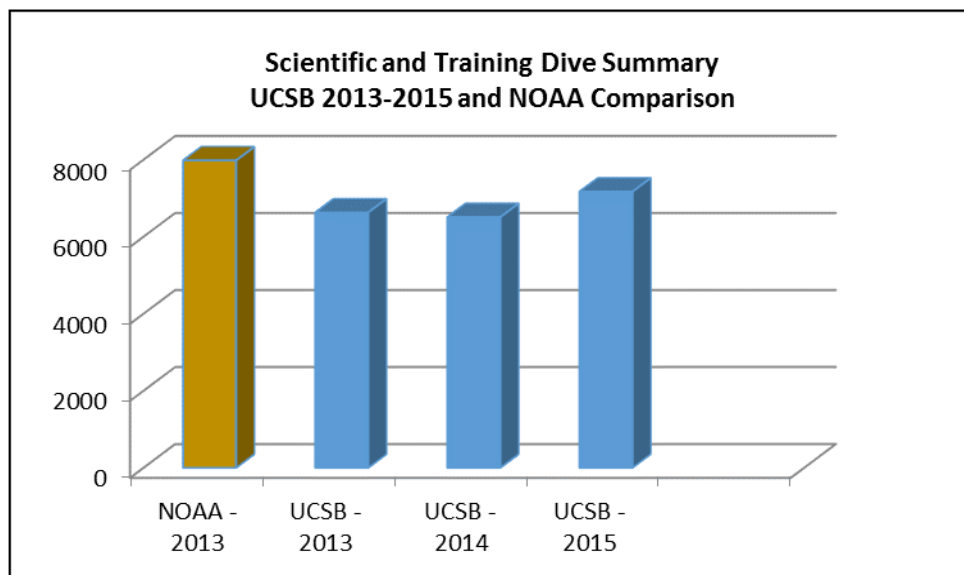
UCSB's Diving Safety Program supports one of largest scientific diving program in the nation.



Comparison of the number of Scientific Dives between NOAA and UCSB of the past three years.

Compares the Number of scientific dives for UCSB over three years to NOAA's CY 2013 total.

Over the last 3 years UCSB's scientific divers on average have logged over **6,500** dives per year, nearly as many dives as the entire NOAA Scientific Dive Program.



CY 2015 UCSB Scientific Diver Stats Summary

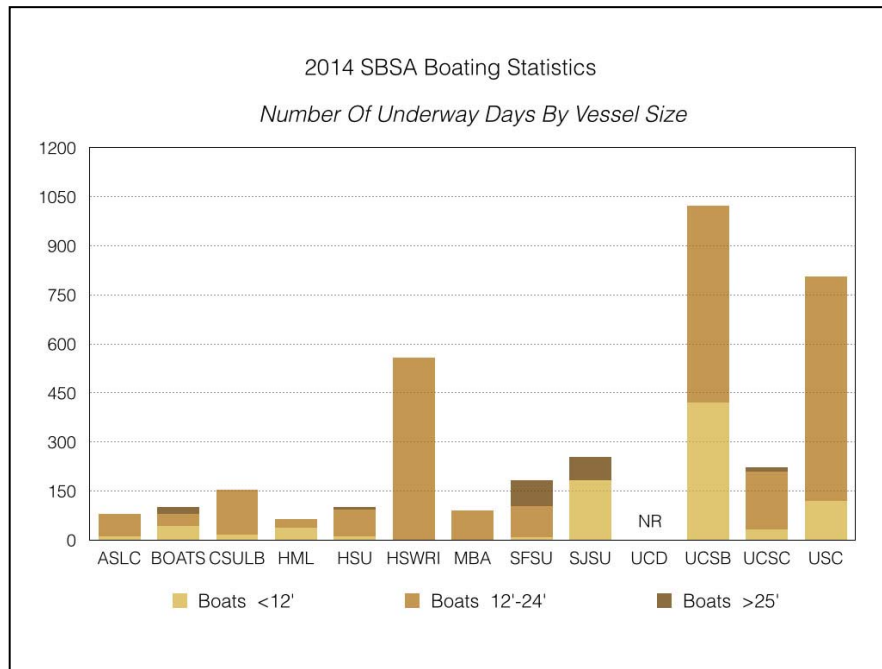
Measures critical dive safety performance statistics.

# Divers Logging Dives	145
Total Dives Logged	7169 (6627 Scientific + 542 Training)
Difference from 2014 Sci. Dives Logged	+534 sci. dives logged (+8%)
Total Science Dive Time	307,327 min = 5,122 hrs = 213 days (24hr)
Average Bottom Time per dive	46 min
Nitrox Dives	28% all UCSB sci. dives & 42% of boatyard fills
Divers CPR/O2 Trained	110
New UCSB Scientific Certified Divers	47
Total Reciprocity In/Out	153 (+14 compared to 2014 & +39 to 2013)
General Dive Locations	
Antarctica	Moorea
Belize	Oil Platforms, California
Carlsbad	Palmyra Atoll
Catalina	San Juan Islands, Washington
Channel Islands	Santa Barbara Coast
Jamaica	
# of Incidents Reported	2
Minor	0
Moderate	1
Serious	1

Total Number of Underway Days by Vessel Size

Measures the amount of days away for UCSB Boats while conducting scientific research.

Similar to our scientific diving program, UCSB's scientific boat use is one of the most active programs in the country.



Contact the EH&S, Risk and Emergency Services at (805) 893-7534 if you have any questions.