

UCSB Scientific Dive Checklist

PRIOR TO DIVE DAY

- ✓ **Dive Plan:** Approved by DSO.
- ✓ **Diver Status:** Check diver's status, specialized training and depth authorization on Webdiver.
- ✓ **Waivers:** UCSB Sci. Scuba Diving Waiver required by non-UCSB employed diver.
- ✓ **Oxygen and First Aid:** Ensure available from dive location.
- ✓ **Shore Contact:** Establish and provide them with dive and emergency contact info.
- ✓ **Determining Decompression Status:** Ensure each diver has a dive computer or dive table and timing device.

ON DIVE DAY

Remember S-E-A-B-A-G

- ✓ **Site & Signals**
 - Review dive site entry/exit procedures. Evaluate and discuss potential hazards.
 - Review underwater signals for the dive team and raise dive flag.
- ✓ **Emergency Procedures**
 - Emergency Equipment Available: *Communication Device, Oxygen and First Aid.*
 - Review Low/Out-of-Air procedures and lost diver procedures.
- ✓ **Activity Discussion**
 - **Review Dive Plan:** *Dive objectives and specialized equipment. Estimated max depth/bottom time. Min. cylinder pressure prior to ascent. Slow ascent, safety stop(s) and surface with at least 500psi.*
 - **Buddy Communication:** *Discuss buddy communication approved in dive plan.*
 - **Refusal to Dive:** *Remember any diver has the right to refuse to dive without fear of penalty, for any reason.*
 - **New Divers on Project**
 - **Buoyancy Check:** *Newer divers should complete a buoyancy check on the surface.*
 - **Tasks:** *Limit any tasks for any diver for your project until he/she is comfortable with the tasks/environment and you can gauge their comfort and abilities in the water first hand.*
- ✓ **Buoyancy**
 - Check personal buoyancy control device *and* weight system.
 - Review buddies buoyancy control device *and* weight system.
- ✓ **Air**
 - Check that cylinder is full and gas analyzed if required.
 - Check that regulators function properly and confirm location of buddy's octopus/air source.
 - Review tank pressure divers should have when beginning their ascent.
- ✓ **Gear-Up & Go**
 - Conduct functional check of all gear and only use gear if it is functioning properly.
 - Notify DSO of any issues or concerns.
 - Record dive details for Webdiver entry.

Diving First Aid

CPR

- Assess the scene
- Check responsiveness: “Are you ok?”
- Alert EMS: Call 911, VHF Channel 16 (Bystander assist)
- Control any severe bleeding with direct pressure

1. **AIRWAY:** head-tilt, chin lift.
2. **BREATHING:** quickly look in mouth for airway obstruction give 2 normal breaths until the chest rises clear airway if necessary.
3. **COMPRESSION:** look, listen, feel (5-10 secs). If the victim is not breathing, begin 30 compressions.
4. **AED:** Deliver 1 shock as prompted by the AED followed by immediate CPR.

CPR: 30 Compressions / 2 Breaths
(3-4 cycles per min)



DIVING ACCIDENT MANAGEMENT

1. Rescue victim and primary assessment
2. Alert local EMS as detailed in dive plan
3. CPR and/or administer First Aid including 100% oxygen
4. Secure victim's dive computer and scuba equipment
5. Contact Diving Safety Office
6. Submit accident Report

PHONE NUMBERS

UCSB DIVING SAFETY CELL: (805) 451-5099

DAN: Emergency Hotline - (919) 684-9111

Information only (m-f, 9-5) – (919) 684-2948

UC Travel Assistance Program (out-of state/country)

1-866-451-7606 (inside US) / 202-828-5896 (outside US)

OXYGEN ADMINISTRATION



FIELD NEURO-EXAM

1. **Orientation:** name, place and time
2. **Eyes:** movement, peripheral vision, and pupil size
3. **Face:** sensation, smile, bite and whistle
4. **Hearing:** hearing equal on both sides, abnormal sounds
5. **Swallow:** watch Adam's Apple
6. **Shoulders:** shrug resistance
7. **Arms and hands:** sensation, grip strength, resistance
8. **Legs:** balance check, leg strength and resistance