**Scientific Dive Checklist**

**PRIOR TO DIVE DAY**

- **Dive Plan:** approved by DSO.
- **Diver Status**
  - Diver’s status and depth certification checked on Webdiver.
- **Waivers/Work Comp. form**
  - UCSB Sci. Scuba Diving Waiver and any Work Comp. Volunteer forms completed by any non-UCSB employed diver.
- **Oxygen and First Aid:** available at dive site.
- **Shore Contact:** establish if needed.
- **Determining Decompression Status:** Ensure each diver has a dive computer or they are planning their dive with a Dive Table and has a timing device:
  - Dive Computers: *At no time should the remaining time No Deco Time displayed on the computers at depth be less than 10 minutes (5 min at depths 100 ft or greater).*
  - Dive Tables: *Diver without a computer must plan their dive with a dive table and record the dive details (max. depth, bottom time, time-in, time-out and the Letter Group) before and after each dive.*

**ON DIVE DAY**

- **Conduct Pre-Dive briefing**
  - Review Dive Plan:
    - dive objectives, buddy communication, specialized equipment, estimated max depth and bottom time, min. cylinder ending pressure prior to ascent, safety stop, slow ascent and surface with at least 500psi.
  - Evaluate and discuss potential hazards:
    - currents/surge/low visibility/boat traffic/fog/marine life/etc.
- **Review Emergency Plan:**
  - Emergency Contact Procedures:
    - VHS radio, cell phone, satellite phone, location (GPS if available).
  - Low/Out-of-air procedures
  - Lost diver procedures
- **New Divers on Project**
  - Buoyancy Check: *dive new to the project should complete a buoyancy check on the surface*
  - Tasks: *limit any tasks for any new 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.*
- **Dive Flag:** Raise prior and lowered after a dive.
- **Dive Details:** Note dive details for Webdiver Entry