UC Davis 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:** UCD Sci. Scuba Diving/Boating Waiver required by non-UCD employed diver.
✓ **Oxygen and First Aid:** Ensure available at dive site.
✓ **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

✓ ***S*ite & Signals**
  ▪ Review dive site entry/exit procedures. Evaluate and discuss potential hazards.
  ▪ Review underwater signals for the dive team and raise dive flag.

✓ ***E*mergency Procedures**
  ▪ Emergency Equipment Available: *Communication Device, Oxygen and First Aid.*
  ▪ Review Low/Out-of-Air procedures and lost diver procedures.

✓ ***A*ctivity 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.*

✓ ***B*uoyancy**
  ▪ Check personal buoyancy control device *and* weight system.
  ▪ Review buddies buoyancy control device *and* weight system.

✓ ***A*ir**
  ▪ 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.

✓ ***G*ear-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.