LEAD DIVER CHECKLIST

Below is a checklist designed to help OSU Lead Divers while in the field. It is not intended to be a comprehensive list of responsibilities, and should be supplemented by specifics for project and location. DBSO should be notified of serious problems immediately and in general be debriefed upon cessation of diving.

PRE DIVE:

General-
___ Environmental assessment: Go or No-Go: (currents, tides, sea state, visibility, water temp, forecast)
___ Gear checks (equipment function, adequate breathing gas, gas supply open, mission-specific equipment)
___ Emergency Plan onsite with local emergency contact info and diver emergency contact info
___ Location and type of available safety equipment
___ Dive Briefing (turn pressure/ending pressure, dive time limits, depth limits. Review: hand signals, buddy and task assignments, diver separation procedures, verify diver fitness).
___ Project Dive Log pre-dive areas completed

Boat Dives-
___ Operator/Captain and Crew identified; roles/responsibilities discussed; topside dive tender recommended
___ Location of safety equipment (First Aid, O2, fire extinguishers, floatation aids, dive flag deployed onsite)
___ Radio operation verified; back-up radio and back-up GPS recommended w/spare batteries
___ Adequate fuel
___ Float plan on file or overdue check-in procedure confirmed
___ Ensure proper dive gear storage, especially cylinders; consider vessel stability and capacity
___ Review procedures for entering the water and re-boarding the boat (confirming boat in neutral)
___ Live-boat procedures reviewed; diver recall signals reviewed
___ Mooring: double-check mooring line attachment to vessel before entering the water
___ Anchoring: verify anchor is set properly underwater at start of dive if applicable

Shore Dives-
___ Overdue check-in procedure confirmed
___ Review underwater navigation for return to exit point
___ Deployment of float/dive flag

POST DIVE:
___ Diver roll call and wellness check
___ Secure samples and/or data
___ Complete Project Dive Log
___ Debriefing (recap dive, review problems or issues, review ending pressures).
___ Review surface interval activities (repetitive dive planning, swap/refill cylinders, manage body temp. and hydration, science tasks)
___ Close float plan (if boat diving) or check-in with shore contact (if shore diving) at end of operations
___ Debrief DSO upon return to OSU or as issues arise in the field