

JOB SAFETY ANALYSIS

Safety Information for the University of California, Berkeley

RECREATIONAL SPORTS - CAL ADVENTURES

HOISTING/LOWERING BOATS

General Precautions: There is the potential of drowning when working near water. Personal Floatation Device must be worn when in close proximity to water.

TASK	HAZARDS	CONTROLS
Push boat from bow out of yard.	Back injury from pushing heavy object	Bend knees to secure stance. Use legs as the source of power to push boat. Solicit help from other staff members.
	Foot injury	Keep feet away from trailer wheels or wear sufficiently protective shoes.
	Injury to leg from trailer tongue	Keep leg away from trailer tongue.
	Injuries to others	Ensure path to destination is clear. Communicate to others around of moving trailer.
	Injury from cars in parking lot	Make sure there are no cars before entering parking lot. Proceed with caution.
2. Position boat underneath crane.	Falling into water	Be aware of surroundings. Do not push trailer with excessive speed. Do not lean over edge.
	Head injury from hook	Be aware of the height of the hook. If hook is too low, raise it before positioning boat underneath.
	Potential injury to surrounding personnel	Ensure path to destination is clear. Communicate to others around of moving trailer.
3. Attach boat onto hook.	Pinching fingers	Keep fingers away from hook.
4. Hoist/lower the boat.	Injury from swinging boat	Clear the immediate area surrounding boat
	Injury from falling boat	Do not stand underneath elevated boat. Properly secure boat onto hook.
5. Get onto dock.	Slipping on ramp	Use handrails when on ramp. Wear proper footwear that will prevent from slipping. Evaluate ramp and avoid wet or slippery areas.
6. Cleat/uncleat the boat.	Injury from hitting ramp	Be aware of proximity to ramp. Make sure ramp is not in the way before moving.

		Falling into water	Be aware of proximity to the dock edge. Do not lean over dock edge.
	7. Entering boat to detach from hook.	Slipping/falling	Cleat boat securely to minimize shifting. Make sure boat is only stride distance away from dock. Evaluate cockpit and avoid wet or slippery areas. Step into the center of boat to balance before completely entering.
		Head injury from hook	Be aware of height of hook. Keep away from swinging hook after detaching boat.
	Required Training: Use of crane and use of personal floatation device	Required Personal Protective Equipment (PPE) Personal Floating Device	
<p>Other Information: Contributors: Department of Recreational Sports Created: June 2004 JSA Library Number: RS-CA-07</p> <p>For more information about this JSA, contact the <i>Office of Environment, Health and Safety</i> at UC Berkeley, 317 University Hall #1150, Berkeley, CA 94720-1150 (510) 642-3073 • http://www.ehs.berkeley.edu</p>			