

ACTIVITY HAZARDS ANALYSIS

Print Form

Overall Risk Assessment Code (RAC)
(Use highest code)

L

Date: Project:

Activity: Boat Operation

Activity Location:

Prepared By:

Risk Assessment Code Matrix

E = Extremely High Risk
H = High Risk
M = Moderate Risk
L = Low Risk

		Probability				
		Frequent	Likely	Occasional	Seldom	Unlikely
Severity	Catastrophic	E	E	H	H	M
	Critical	E	H	H	M	L
	Marginal	H	M	M	L	L
	Negligible	M	L	L	L	L

Add Identified Hazards

	JOB STEPS	HAZARDS	ACTIONS TO ELIMINATE OR MINIMIZE HAZARDS	RAC
X	Boarding	Falling overboard, capsizing, slips, trips, and falls	Put on and fit a PFD before boarding boat. When boarding, show guests where to sit. Make sure to hold the boat as steady as possible while boarding. When boarding a small boat from a dock or low pier, step into the center of the boat. Stay low and hold onto both sides to keep your balance. When your guests are aboard, make sure their weight is distributed evenly fore and aft and side to side to keep the boat in trim. Do not exceed the total weight and number of people listed on the boat's capacity plate. The lower the boat rides in the water, the easier it is for waves or wakes to swamp it. If it is necessary to change positions in the boat, reduce speed or come to a complete stop. When changing positions keep low in the boat and hold on to both sides for balance.	L
X	Boat Inspection	Broken equipment, water tightness, plug tightness, navigation lights, horn, safety equipment, leaks, fluid levels, malfunctioning equipment	Complete a full overview of the vessel to ensure there does not appear to be any issues, make sure all edges are sealed and cracks do not appear on the vessel, tighten all plugs in the vessel prior to putting it into the water, check all fluids on vessel to include gas, oil, etc., make sure bilge pump is operational. Check to make sure all horns and sirens are in working order, be sure to have a PFD for everyone on board and extras in case of an emergency, make sure the vessel is not leaking, inspect that everything is in good working order.	L

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	JOB STEPS	HAZARDS	ACTIONS TO ELIMINATE OR MINIMIZE HAZARDS	RAC
X	Boat Operation	Personnel, Drowning, Kill Switch, Collisions, Falls Overboard, Fires/Explosions, Sun/Heat, Dehydration, Eye Fatigue, Dust/Debris/Material in Eye, Damaged/Sinking Vessel, Entanglement in Lines. Lacerations, Cuts, Punctures and Abrasions. Bruises and Broken Bones, Falls Inboard(rough waters, current,waves, under water obstruction or objects)	Wear Personal Flotation Device (PFD). Know location and proper use of lifesaving devices (throw ring, throw bag, reach poles, ladder, cargo net) Prior to launching boats off trailers the kill switch lanyard shall be pulled to verify the kill switch is operational. Re-attach lanyard to both the kill switch and the operator. Follow and obey boating rules/laws, recognize aids to navigation, maintain safe speeds, keep proper lookout Wear PFD, know proper rescue procedures and wear proper footwear to maintain balance and footing. Make sure kill switch is operational and lanyard is attached to operator. Pay close attention to all other boats operating on maneuvering courses. Follow proper venting and starting procedures. Know location of fire extinguisher and proper suppression techniques. Wear proper clothing/hat to limit sun exposure. Use sunscreen and drink plenty of water. Rehydrate with water/Gatorade Wear proper eye wear sunglasses Wear proper eye protection Obey navigation rules and heed weather warnings. Get to safe harbor as soon as possible. Stay with vessel until rescue. Wear PFD. Keep vessel deck clear and properly coil or stow dock lines. Avoid pinch points and stay clear of lines under strain. 13. Inspect deck area and equipment for hazardous conditions and correct before operating. Wear proper Personal Protective equipment (PPE). Have first aid kit readily accessible and know proper first aid treatment. Keep steering wheel, throttle control and vessel interior as dry as possible. Maintain three point body contact with vessel. Standing Position - Maintain firm standing position with feet separated at least two times your foot length, with knees slightly bent. Sitting Position - stay seated while operating the vessel. Always keep three points contact with the boat and controls. Keep vessel deck clear and properly coil or stow dock lines. Avoid pinch points and stay clear of lines under strain. Deploy boat fenders. Keep all body parts inside vessel. Remain seated or in a stationary position until vessel is stopped. Maintain three points body contact with vessel.	L
X	Off Boarding	Falling overboard, capsizing, slips, trips, and falls	Keep body low and hold to sides of boat for balance. Keep PFDs on until you have completely exited the vessel. Make sure boat is secured properly to avoid shifting of weight and boat.	L

Add Items

	EQUIPMENT	TRAINING	INSPECTION
X	Boat	24 Hour Boat Operator Course	
X			

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Involved Personnel:

USACE Volunteers

Acceptance Authority (digital signature):