

U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY  Boat Travel 17'	2. LOCATION  Girdwood	3. UNIT  10-04-10
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and 12 (Instructions on Reverse)	4. NAME OF ANALYST  Dan Gillikin	6. JOB TITLE  Forestry Tech.	6. DATE PREPARED
1/957. TASKS/PROCEDURES	8. HAZARDS	9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls *PPE	
<p><b>LOADING/UNLOADING</b></p> <p><b>PREPARING TO DEPART AND ARRIVE</b></p> <p><b>UNDERWAY</b></p>	<p><b>A. Slippery Footing</b></p> <p><b>B. Load Distribution and Limits</b></p> <p><b>A. Fire from Fueling</b></p> <p><b>B. Personal injury</b></p> <p><b>C. Collision</b></p> <p><b>D. Jump starting dead batteries (explosion/fire)</b></p> <p><b>A. Lost or Overdue</b></p> <p><b>B. Exposure</b></p> <p><b>C. Capsizing/Person Overboard</b></p> <p><b>D. Rough Seas</b></p> <p><b>E. Collision with Floating or Submerged Object</b></p> <p><b>F. Fire</b></p> <p><b>G. Vessel Aground</b></p> <p><b>H. Collision with other Boats</b></p> <p><b>F. Power Loss</b></p>	<p>Use non skid surface, if available. Common sense and responsible judgement. Wear proper foot gear, lift with legs and not back. Enter slowly and keep center of gravity low. Enter boat on operators command. Foot gear includes hip boots, knee boots (red rubber boots) or deck shoes. No hiking boots! Load in accordance with USCG and boat Requirements. Secure load properly. Don't smoke while fueling and have a fire extinguisher on board. Turn engines off, have wipes ready to clean up any spills. Do not jump start boats a fuel pier, or make repairs to electrical systems. Be certain boat is properly moored. Be certain boat is properly moored. Complete u/w checklist. Brief crew. File float plan</p> <p>Be observant of other boat traffic in the harbor or the surrounding area prior to getting underway.</p> <p>Check for fuel leaks, allow battery compartment to ventilate. Connect in proper sequence, positive terminal first, then ground somewhere other than the battery away from fuel and fuel lines. Protect your eyes.</p> <p>Have a radio and charts on board. Carry signal devices. File float plan. Know your limitations. Wait for weather?</p> <p>Wear Exposure suits, survival suits, or PFD and properthing to adhere to weather and sea conditions proper clothing includes, rain gear, polypro or cotton under garments and wool, duct or cotton/dacron blend over garments. Blue jeans are not recommended.</p> <p>PFD worn by all on board. Trip plan filed. Brief crew, stay with capsized craft. Practice recovery. Quarter large waves, avoid breaking waves. Maintain control of boat in following seas to avoid broaching. Use reasonable judgement of weather and sea conditions .</p> <p>Remain seated or go ashore if needed. Inc. radio contact. Constant attention by the operator to course and sea conditions.</p> <p>Use proper speed (not excessive) and watch for debris. Use kill switch. Post look out if needed. Be cautious near tide lines and after high tide series. Keep Keep equip. in good working order. Brief crew. Complete underway check list. File float plan.</p> <p>Trim outboards, use only one outboard raise the other. Know the rules of the road and review. Brief crew.</p> <p>Post look out. Have fenders/boat hook ready. Have safety equipment on board. Radio, tools. kicker, oars, exposure suit, extra fuel, clothing and food.</p>	

<p><b>If uncertain don't go. Practice navigation skills with I. Reduced or poor Visibility</b></p> <p><b>MOORING</b></p> <p><b>OPERATOR MUST HAVE TRAINING AND LICENSED FOR VESSEL AND KNOWLEDGE OF SOUTHEAST ALASKA WATERS.</b></p>	<p><b>G. Lines and Anchor</b></p> <p><b>I. Reduced or poor Visibility</b> <b>H. Sea sickness / Fatigue</b></p> <p><b>A. Anchoring</b></p> <p><b>B. Docking</b></p> <p><b>C. Getting Underway</b></p> <p><b>A. Towing or Being Towed</b></p>	<p>Keep lines and anchor properly stowed. Inspect prior to use. Use proper line/anchor for the job.</p> <p>Practice navigation skills charts and GPS. Post lookout, use sound and light signal</p> <p>Get adequate rest. Hold up if necessary.</p> <p>Drink water to rehydrate. If uncertain don't go. Practice navigation skills.</p> <p>Have a plan and brief crew. Account for tides/wind and sea conditions. Use proper technique. Insp. equipment</p> <p>Carry a spare anchor, check boat periodically.</p> <p>Have a plan and brief crew. Have lines and fenders ready</p> <p>Check reverse gears prior to approach. Be prepared for a collision or man overboard. Use experienced dock jumpers</p> <p>Leave yourself an out. Use conditions to your favor.</p> <p>File float plan. Know weather forecast and your limits.</p> <p>Complete check list. See disc. for docking.</p> <p>Use proper equipment, techniques and fittings. Set towing watch. Have knife or hatchet ready. Consider weather.</p> <p><b>See section HSCH 2-11,3-5 and R-10 Sup. 6709 p. 5,6,7 GRD Safety Action Plan</b></p>

10. LINE OFFICER SIGNATURE	11. TITLE		12. DATE