

<b>JOB HAZARD ANALYSIS</b>	<b>1. JOB TITLE:</b> Backcountry Camps, Solo Camping	<b>2. DATE:</b>	<input checked="" type="checkbox"/> <b>NEW</b> <input type="checkbox"/> <b>REVISED</b>
<b>3. TITLE OF WORKER:</b> Maintenance Worker, Backcountry Signs	<b>4. NAME OF ORGANIZATION:</b> Rocky Mountain National Park	<b>5. LOCATION:</b> RMNP Backcountry	<b>6. DEPARTMENT:</b> Maintenance--Trails
<b>10. SUPERVISOR:</b>	<b>ANALYSIS BY:</b>	<b>REVIEWED BY:</b>	<b>APPROVED BY:</b>

<b>11: REQUIRED AND/OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:</b>	Eye and Ear Protection, Gloves, Cleaning Equipment and Products
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<b>7. SEQUENCE OF BASIC JOB STEPS</b>	<b>8. POTENTIAL HAZARDS</b>	<b>9. RECOMMENDED ACTION OR PROCEDURE</b>
Preparation to move into the Backcountry	Campsite located in "Harms Way", in a vicinity to dead standing trees (snags), potential to flash flood	<ul style="list-style-type: none"> <li>- When scouting for campsite location avoid areas with these features</li> <li>- Fall hazard trees, if appropriate, prior to moving in</li> </ul>
	Water sources contaminated bacterial ingestion from decaying carcass or any other obvious hazards.	<ul style="list-style-type: none"> <li>- Physically check upstream of any potential intake to ensure no obvious contaminants are present</li> </ul>
	Packed materials causing injury to persons or stock	<ul style="list-style-type: none"> <li>- When packing equipment to be loaded on stock be sure there are no protruding sharp objects, boxed materials are padded to prevent rattles, liquids do not leak from containers</li> <li>- Consult crew packers about proper methods for packing loads for stock</li> </ul>
Set up camp	Slips, trips, and falls	<ul style="list-style-type: none"> <li>- Tripping hazards should be eliminated, particularly "industrial" areas such as the kitchen or tool cache</li> <li>- Guy lines for tents should be marked with bright flagging</li> <li>- Keep camp set up projects organized to minimize tripping hazards</li> </ul>
	Burns	<ul style="list-style-type: none"> <li>- Ensure that hot pads are readily available for handling hot items (eg. cooking pots)</li> <li>- Inform surrounding personnel whenever hot items are moved (draining boiling water, hauling dish water, stoking fire)</li> </ul>
	Smoke Inhalation	<ul style="list-style-type: none"> <li>- Fire pits should be at a distance that provides adequate ventilation.</li> </ul>
Maintenance of camp	Sickness due to unclean conditions	<ul style="list-style-type: none"> <li>- Regular hand washing, thorough cleaning of kitchen area, and disinfecting of water filter system</li> <li>- Regular cleaning should be done with bleach solution</li> <li>- Wash and sanitize water storage containers when necessary</li> </ul>
	Injuries to feet	<ul style="list-style-type: none"> <li>- Keep ground free of debris</li> <li>- Crewmembers should always wear some type of footwear while in common areas</li> </ul>

7. SEQUENCE OF BASIC JOB STEPS	8. POTENTIAL HAZARDS	9. RECOMMENDED ACTION OR PROCEDURE
	Combustion of flames	<ul style="list-style-type: none"> <li>- Fuels should be stored in cool, shaded area</li> </ul>
Hauling water	Back Strains	<ul style="list-style-type: none"> <li>- Be sure to lift using legs</li> <li>- Do not overexert, ask for help if needed.</li> </ul>
Emergency evacuation of injured personnel	Inadequate preparation for evacuation of injured persons	<ul style="list-style-type: none"> <li>- During the set-up phase of backcountry camps leaders need to determine locations for helicopter landing zones</li> <li>- Refer to helicopter JHA for landing zone guidelines</li> </ul>
Food Storage	Wildlife Conflicts	<ul style="list-style-type: none"> <li>- Secure food inside bear proof containers or hang out of animals' reach</li> <li>- Clean kitchen, stoves, coolers, and countertops with soapy water and bleach</li> <li>- Hang garbage up to keep small animals out of trash</li> <li>- Keep eating and camp areas free of food scraps</li> <li>- Do not order more food than needed for stay in backcountry</li> <li>- Create box for toothpaste and other "smelly" personal items and store in kitchen area to consolidate camp smells</li> <li>- DO NOT store food or "smelly" items in personal tents.</li> <li>- Consider appointing a "kitchen patrol" person to stay in the kitchen at night to chase away animals that may try to get into kitchen and food items</li> </ul>
Waste Disposal	Infecting immediate water sources	<ul style="list-style-type: none"> <li>- Use Coyote River Toilet and pack waste out of backcountry if no on-site privy.</li> </ul>
Human conflicts	Threats from unstable or troubled individuals.	<ul style="list-style-type: none"> <li>- When camping/working alone, always act as if you are part of a crew, and do not reveal that you are camping.</li> <li>- Be aware of suspicious behavior of others in the area of camp</li> <li>- At night, keep a "weapon" in or near the tent: rock bar, hatchet, pepper spray.</li> <li>- Check radio reception. Know where to go to establish communications in case of an emergency.</li> <li>- Be aware that a unstable person might do things when alone in the backcountry that he would not do in the presence of others.</li> </ul>