

<b>JOB SAFETY ANALYSIS</b>	<b>JOB TITLE OR OPERATION:</b> Front and Backcountry Travel	<b>PAGE</b> <u>1</u> <b>OF</b> <u>1</u>	<b>DATE:</b> April 1, 2006	<u> X </u> <b>NEW</b>  ___ <b>REVISED</b>
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<b>EMPLOYEE / OPERATOR:</b> All	<b>SUPERVISOR:</b> Chief Ranger	<b>ANALYSIS BY:</b> Visitor Protection Rangers
<b>COMPANY / ORGANIZATION:</b> NPS	<b>PLANT / LOCATION:</b> ROMO	<b>DEPARTMENT:</b> Visitor and Resource Protection
		<b>REVIEWED BY:</b>

<b>REQUIRED AND / OR RECOMMENDED PERSONAL PROTECTIVE EQUIPMENT:</b> Refer to ROP on Backcountry travel.	<b>APPROVED BY:</b>
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<b>SEQUENCE OF BASIC JOB STEPS</b>	<b>POTENTIAL HAZARDS UNSAFE ACTS OR CONDITIONS</b>	<b>RECOMMENDED ACTION OR PROCEDURE FOR ALL: REPORT ALL INJURIES AND ACCIDENTS TO SUPERVISOR.</b>
<b>FRONT AND BACKCOUNTRY TRAVEL</b>  Refer to JHA on Technical Climbing Patrol  Refer to ROP on Backcountry travel	<ul style="list-style-type: none"> <li>Falling or tripping due to wet areas, holes, fences, poor footing, snow and ice, uneven terrain, loose/rolling rocks and heavy pack. Terrain &amp; environmental hazards associated with work that occurs in mountainous and high altitude terrain during all seasons.</li> </ul>	<ul style="list-style-type: none"> <li>Understand and practice good situational awareness &amp; risk management at all times.</li> <li>Plan ahead &amp; identify necessary PPE for your trip (i.e. Wear proper footwear; ensure protection from environmental conditions such as precipitation, wind, cold, heat; anticipate a full day and even a night out; consider you may have to care for someone else; anticipate whether you might need a helmet for the trip, etc.)</li> <li>Guard against overloading yourself with unnecessary equipment. Recognize that in a mountain environment speed &amp; the ability to travel quickly &amp; efficiently, at times, may equate to safety. Unnecessarily heavy packs <u>may</u> be hazardous to safe travel in rugged terrain. STRIKE THAT BALANCE between adequate preparedness and excess. Work with supervisors &amp; other experienced personnel to develop your own needs and the ability to adequately assess and prepare.</li> <li>Be alert to changes in terrain &amp; weather.</li> <li>Carry the necessary tools required for the patrol. (i.e. snowshoes, avalanche beacon, probes, and shovel, when traveling on snow and ice, etc. etc..)</li> <li>Stay in shape. Know &amp; monitor your personal fitness level &amp; that of others in your group. Adjust plans accordingly.</li> <li>Have an approved First Aid Kit on hand.</li> <li>If possible, take a coworker when traveling in extreme mountain terrain.</li> <li>Communications are a life link. Carry a radio &amp; spare battery at all times. Ensure that all equipment is working properly; batteries are fully charged, etc. Know and consult with available radio coverage maps. Be prepared to take a satellite phone if determined necessary.</li> <li>File a written backcountry route plan with Dispatch. If you deviate from this plan, notify dispatch. At key points during your trip (i.e. destination reached, decision-making points such as summits, junctions, saddles, etc.) re-contact dispatch &amp; provide a status. Request status checks when traveling through hazardous areas (i.e. when crossing a known or suspected avalanche path.)</li> </ul>
<b>COMING INTO CONTACT WITH DANGEROUS AND/OR POISONOUS SNAKES, ANIMALS, INSECTS, AND PLANTS</b>	<ul style="list-style-type: none"> <li>Poisonous snake, animal or insect bites.</li> <li>Piercing of skin by spines or poisons of plants.</li> </ul>	<ul style="list-style-type: none"> <li>Know dangerous and/or poisonous plants, insects, and animals.</li> <li>Get medical help as soon as possible.</li> <li>Maintain First Aid and CPR certifications.</li> <li>Check clothing and skin regularly for ticks.</li> <li>Wear long sleeves and gloves to minimize skin irritation from poisonous plants and/or sunburn.</li> <li>Do not ingest unknown plants as they may be poisonous</li> </ul>

<b>WORKING IN ADVERSE WEATHER</b>	<ul style="list-style-type: none"><li>• Getting struck by lightning.</li> <li>• Exposure.</li> <li>• Heat Stroke.</li></ul>	<ul style="list-style-type: none"><li>• Schedule outdoor activities accordingly if thunderstorms are likely.</li><li>• If you see or hear a thunderstorm coming, go inside a sturdy building or vehicle.</li><li>• You are in danger from lightning if you can hear thunder.</li><li>• Carry a pack or insulating pad if you are not working near a building or vehicle.</li><li>• If you are caught in a lightning storm, call may ROMO to tell them you will be out of radio contact until the lightning storm passes. Call back in after the storm has passed.</li><li>• If you can't get inside and if you feel your hair stand on end, lightning is about to strike.</li><li>• Crouch down on your pack or insulating pad on the balls of your feet and keep your feet close together.</li><li>• Place your hands on your knees and lower your head.</li><li>• Make yourself the smallest target possible and minimize contact with the ground.</li><li>• Members of a party should stay separated by at least ten feet.</li><li>• Stay away from tall things like trees, towers, fences, telephone lines, or power lines.</li><li>• Stay away from high mountain passes and high open meadows. If caught in these areas rapidly descend to a heavily forested area, however, stay at least 8 feet away from the trunk of the average height tree.</li><li>• Stay away from metal things that lightning may strike.</li><li>• Stay away from running water.</li><li>• Call for help (ROMO) on your radio or on the nearest phone; be prepared to give detailed information of the victim or victims status, and when and where the accident happened.</li><li>• Administer First Aid and CPR if certified or instructed to do so.</li><li>• Take a Backcountry First Aid and CPR Class.</li> <li>• Be alert to changes in weather.</li><li>• Take adequate garments for all possible weather conditions.</li><li>• Take a coworker when traveling in extreme mountain weather.</li> <li>• Drink adequate amounts of water.</li></ul>
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