

JOB SAFETY ANALYSIS	JOB TITLE OR OPERATION: VEGETATION MONITORING AND INVENTORY	DATE:	__X__ NEW REVISED
PLANT / LOCATION: RMNP	COMPANY / ORGANIZATION: NPS	DEPARTMENT: Resources Management	EMPLOYEE / OPERATOR: biologists, wildlife technicians, volunteers
SUPERVISOR:	ANALYSIS BY:	REVIEWED BY: Park Safety Officer	APPROVED BY: Park Science Center Director

Personal Protective Equipment Required:	proper footwear, backpacking first aid kit, satellite phone / radio
Qualifications, Experience or Training Required:	Training in plant identification & monitoring techniques, sat phone / radio training, location of first aid kits

BASIC JOB STEPS	HAZARDS	SAFE JOB PROCEDURE
1. Packing gear	1A. Back strain	1A1. Lift with legs 1A2. Do not strain when lifing - get help! 1A3. Do not twist body - turn entire body
	1B. Pinched fingers	1B1. Wear leather or heavy cloth gloves 1B2. Be aware of your hand placement 1B3. Communicate with partners
	1C. Dropping item on feet	1C1. Be aware of your foot placement 1C2. Do not strain when lifting - get help! 1C3. Make sure you have proper or secure hand holds
	1D. Slipping/tripping due to slick/uneven surface	1D1. Wear proper foot protection 1D2. Be aware of your foot placement 1D3. Do not rush!
2. Driving to site	2A. Driving hazards/heavy loads	2A1. "Circle of Safety" (walk completely around vehicle) 2A2. Headlights on
	2B. Collision	2B1. Drive defensively/increase following distance
3. Parking	3A. Backing over equipment or people	3A1. "Circle of Safety" (walk completely around vehicle) 3A2. Use a spotter in clear line of vision 3A3. Use proper hand signals
4. Hiking to work site	4A. Slipping/tripping due to slick/uneven surface	4A1. Wear proper foot protection 4A2. Be aware of your foot placement 4A3. Use common sense & do not attempt any situation above ability 4A4. Do not rush!
	4B. Back strain -heavy pack	4B1. Lift with legs

		<p>4B2. Do not strain when lifting - get help!</p> <p>4B3. Do not twist body - turn entire body</p> <p>4B4. Hiker should not carry more than manageable</p>
	4C. Sunburn/heat injury	<p>4C1. Use sunscreen</p> <p>4C2. Wear appropriate hat & clothing</p> <p>4C3. Carry and drink enough water, eat appropriately</p> <p>4C4. Take frequent rest breaks</p> <p>4C5. Get wet if needed</p>
	4D. Cold Injury	<p>4D1. Anticipate weather changes</p> <p>4D2. Wear clothes in layers and DO NOT wear cotton</p> <p>4D3. Have extra clothing available</p> <p>4D4. Be sure to have and drink enough water, eat appropriately</p>
	4E. Animal encounters	<p>4E1. Use caution & be aware of surroundings</p> <p>4E2. Keep safe distance from all animals</p> <p>4E3. Know if any workers have allergies</p> <p>4E4. Carry appropriate first aid materials</p>
5. Photo documentation	5A. Slipping, tripping, falling	5A1. Be aware of surroundings and footing
6. Transect / inventory / survey / monitoring	6A. Plant hazard	<p>6A1. Know specific plant hazards</p> <p>6A2. Use appropriate protection against plant hazard</p>
	6B. Slipping/tripping due to slick/uneven surface	<p>6B1. Wear proper foot protection</p> <p>6B2. Be aware of your foot placement</p> <p>6B3. Use common sense & do not rush!</p>