

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RISK MANAGEMENT WORKSHEET

1. Organization and Location: Bureau of Land Management / Grand Junction Field Office	2. Page <u>1</u> of <u>8</u>
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3. Operation / Task Friends of Mustangs Field Work	4. Beginning Date: Oct. 1, 2024	5. Ending Date: Sept. 30, 2025	6. Date Prepared:
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7. Prepared by (Name / Duty Position)
Joy von Guerard (Rangeland Technician)

8. Identified Hazards	9. Assess the Hazards: Initial Risk	10. Control Measures Developed for Identified Hazards: (Specific measures taken to reduce the probability of a hazard) Include all PPE	11. Assess the Hazards: Residual Risk	12. How to Implement the Controls: (May Be Filled in By Hand)	13. Supervisors and Evaluation by: (Continuous Leader Checks, Buddy System, etc.)
(Be Specific)	N M M S C	(Be Specific)	N M M S C	(Be Specific)	(Be Specific)

Motor Vehicle Operation

Fatigue/Temporary Incapacitation/Falling asleep at the wheel (due to over-exertion, lack of sleep, sickness, recovery process, or change in medications)			X			Adequate rest and sleep, eat well, stay hydrated. Maintain physical fitness appropriate for job requirements. (conditioning, aerobics, strength, and flexibility).		X			Make sure you are physically rested, fit, and prepared for the trip. If you get sleepy while driving, pull over and do not proceed until you are awake enough to drive.	Volunteer coordinator and/or supervisor is responsible for authorizing volunteer to undertake field tasks and emphasizing the importance of being well-rested when driving
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14. Remaining Risk Level After Control Measures Are Implemented: (CIRCLE HIGHEST REMAINING RISK LEVEL)	NEGLIGIBLE (Supervisor)	MINOR (Associate/Assistant Mgr. / Branch Chief)	MODERATE (Field Manager)	SERIOUS (District Manager)	CRITICAL (State Director/Associate)
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15. RISK DECISION AUTHORITY: (Approval/Authority Signature Block) **(If Initial Risk Level is CRITICAL, SERIOUS or MODERATE: Brief Risk Decision Authority at that level on Controls and Control Measures used to reduce risks)** (Note: if the person preparing the form signs this block, the signature indicates only that the appropriate risk decision authority was notified of the initial risk level, control measures taken and appropriate resources requested; and that the risk was accepted by the decision authority.)

Printed Name / Signature

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8. Identified Hazards	9. Assess the Hazards: Initial Risk					10. Control Measures Developed for Identified Hazards: <i>(Specific measures taken to reduce the probability of a hazard)</i> Include all PPE	11. Assess the Hazards: Residual Risk					12. How to Implement the Controls: (May Be Filled in By Hand)	13. Supervisors and Evaluation by: (Continuous Leader Checks, Buddy System, etc.)
(Be Specific)	N	M	M	S	C	(Be Specific)	N	M	M	S	C	(Be Specific)	(Be Specific)
<p>Weather Conditions (weather extremes: heat, cold, rain, snow, and rapidly changing weather conditions) Off-highway roads in the desert pose a higher than normal risk for accidents. The complete lack of guardrails, sporadic road maintenance, lack of signage, and narrow and winding routes with short viewing distance, make field inspections very hazardous, especially during inclement weather.</p>				X		<p>Before any field work, volunteer should evaluate the current and forecasted weather conditions under which the project will be conducted and make a prudent decision on whether or not to proceed.</p>			X			<p>Postpone the project if inclement weather will make driving unsafe. Get volunteer coordinator's approval if the project occurs during inclement weather.</p>	<p>BLM Project Manager is responsible for confirming that volunteer is aware of the previous, current, and forecast weather conditions. BLM supervisor and volunteer will discuss urgency and other options. BLM supervisor must authorize field work during inclement weather conditions.</p>
<p>Frozen roads can become very muddy when they thaw out later in the day. Traction may vary greatly depending on soil type (sand, clay, loose shale, etc.)</p>				X		<p>Consider potential for road thawing before going to the field.</p>			X			<p>Plan on returning before the road thaws out.</p>	<p>BLM Project Manager must authorize field work during inclement weather conditions.</p>
<p>Volunteer Use of private vehicle. Terrain – 4WD operation Many 4WD roads are very rough, with gullies, steep drop-offs, washouts, rock falls, boulders, side-slopes, steep pitches, and other physical hazards. (See also motor vehicle operation RMW)</p>				X		<p>Don't operate vehicle in rough, steep areas that exceed vehicle limitations or operator skill level. Assess the area on foot before entering rough sections to be sure they are safe for vehicle passage. Always wear seatbelt.</p>			X			<p>Seek training from experienced 4WD operators to improve skill level. Walk or find alternate route or transportation to areas where route is too rough to be traveled safely.</p>	<p>BLM Project Manager is responsible for verifying that volunteer has the skill and judgment needed to operate a vehicle in rough terrain.</p>
<p>Volunteer use of government provided vehicle. Terrain – 4WD operation Many 4WD roads are very rough, with gullies, steep drop-offs, washouts, rock falls, boulders, side-slopes, steep pitches, and</p>				X		<p>Complete 4WD and Defensive Driving training before using vehicles. Signed, current Motor Vehicle/Special Equipment Authorization (1112-11) on file.</p>			X			<p>Volunteer is responsible for maintaining current safety training. Perform visual safety check before going into field. If you are using</p>	<p>BLM Project Manager and/or supervisor is responsible for verifying operator's qualifications for vehicle operation. If safety training is out-of-date, postpone task.</p>

<p>other physical hazards.</p> <p>Implementing additional policies and guidelines for vehicle operation, maintenance, etc.</p>					<p>Driver and any passengers must always wear a seatbelt vehicle is in motion.</p> <p>Perform visual inspection and safety check of vehicle before departure.</p> <p>Don't operate vehicle in rough, steep areas that exceed vehicle limitations or operator skill level.</p> <p>Assess the area on foot before entering rough sections to be sure they are safe for vehicle passage.</p> <p>Follow check-in/check-out policy.</p> <p>Carry First Aid Kit.</p> <p>Carry Survival gear with water/shelter/food for up to 24 hours.</p>					<p>two vehicles (truck and ATV), inspect both.</p> <p>Vehicle safety check list. (Fuel level, tires and tire pressure, drive line, first aid kit, safety equipment, survival gear, communications gear.)</p> <p>BLM Project Manager responsible for verifying annual vehicle safety inspections, onboard safety equipment, first aid kits, and ensuring that operator's manual is in every vehicle.</p> <p>BLM Project Manager will conduct monthly safety checks on winch and follow all safety practices as per safety training.</p>	<p>Verify field communications procedures (radio, mobile phone, text message, other).</p> <p>Be sure all check-in/check-out practices are followed each day.</p>
<p>Use of winch for moving objects can cause crushing injury to fingers, cutting from frayed cable, slashing from broken cable, or other injuries due to unstable movement of vehicle.</p>			X		<p>Wear PPE at all times when handling cable;</p> <p>Keep hands and equipment away from pinch points such as fairlead, cable drum, and attached objects when winching;</p> <p>Double-check that the hook, shackles and clevis are fastened securely before applying power;</p> <p>Keep bystanders at least 50 feet away from the winching procedures;</p> <p>Never stand beside a winch during operation or allow bystanders in the danger zone;</p> <p>Never begin winching with less than three full cable wraps around the drum;</p>		X			<p>Volunteer is responsible for maintaining current safety training.</p> <p>PPE may include leather gloves, safety glasses, long sleeves</p> <p>Safety briefing on basic winch safety and use from FOM or BLM Project lead.</p> <p>Always Inspect cable prior to winching to ensure there are no frays or kinks;</p> <p>Damper the cable at the midway point should the cable come loose under load;</p>	<p>If applicable arrange for winch safety training sessions and follow up with volunteer to be sure all safety practices are being followed.</p>

					Winch in short bursts with to keep winch motor from over heating; Never stand in front of, or walk behind, an object being winched. Do not use winch for vehicle recovery without additional training or appropriate equipment.					All participants in the winching operation are clear on the objectives and process of the operation	
Stranded			X		Wear proper field attire. In vehicle, carry extra clothing, blanket or sleeping bag, 1 st aid kit, non-perishable snacks, water, and working radio. Carry water, and radio or cell phone if on foot.		X			Inspect your survival equipment to ensure you have sufficient tools to dig out if you become stuck, along with survival gear and communication equipment.	BLM supervisor is responsible for reminding the volunteer of the need for proper equipment and field attire.

Hazards of the Outdoor Environment

Trips, Slips, and Falls			X		Review intended route and surrounding area for tripping hazards. Wear footwear appropriate for terrain and type of work: Boots, hiking boots, or sturdy footwear with good tread and ankle support). No open toed shoes. Do not attempt to carry more than is comfortable, or unbalanced loads that may cause loss of footing		X			Wear appropriate footwear	Volunteer coordinator and/or supervisor is responsible for verifying proper footwear. Discuss appropriate gear & techniques for packing and carrying tools and supplies
Lost Volunteer whereabouts unknown; volunteer absent or fails to meet communications plan.				X	Follow formal check-out / check-in procedure. FOM volunteers may check out and use BLM owned satellite communicators devices on a project-by-project basis		X			Volunteer to notify BLM Project Manager and/or FOM coordinator of all field trips including any changes to the regular schedule. Plan will include time out, estimated time of return, contact numbers (radio/phone/email), and maps.	Volunteer coordinator and/or supervisor verifies that all volunteers have communication equipment that is operable in the project areas and are following check-in / check-out procedure.

Exposure to the Elements			X		Wear appropriate field attire. Wear personal protective equipment (PPE), as required. Maintain current first aid training.		X			Wear hat and gloves and sunscreen when appropriate. Wear eye protection (sunglasses, goggles), hearing protection (ear plugs, shooter's muffs), when appropriate. Carry warm clothing layers in the winter and extra water in the summer.	Volunteer coordinator and/or supervisor responsible for verifying proper field attire, personal protective equipment (PPE), and first aid and outdoor survival training and supplies.
Insect Bites		X			Wear long sleeved shirts and pants if possible. Apply cold compress or mud pack to stings. Watch for signs of allergic reactions (i.e. labored breathing, hives, etc.)	X				Pre-project site inspection. Provide safety briefing on insect bites and treatment. Provide insect repellent Individuals with sensitivities or known allergies will identify themselves and their advanced care needs, and ensure they have their required medical supplies.	Volunteer coordinator and/or supervisor responsible for site inspection and safety briefing.
Transport and use of unfamiliar and/or potentially dangerous tools in rugged terrain			X	X	Inspection of all tools used on project. Transport guards in place for transportation. Ensure stability of project piece, and footing/stability of tool operator. Move project piece to more level/stable location when possible.		X	X		Crew leaders will inspect all tools before assigning them to a volunteer. They will ensure each tool is in safe working condition with no loose heads, cracked or damaged handles. Volunteers will be asked to report any damaged tools during the project. Tools will be inspected again upon project completion.	Crew leaders are responsible for tool inspection and reporting any damaged tools to the project supervisor. Ensure transport and operating guards are in place/in use
Moving and handling rocks			X		Task-specific safety briefing		X			Any crew tasked with	Project supervisor will

(back injury, pinch/crush injury, flying/rolling debris)					<p>Rotate crew members through different working positions to avoid repetition muscle strain injuries</p> <p>Clear area downslope of work.</p>					<p>moving or manipulating large rocks will be instructed by the crew leader regarding rock-working safety – proper PPE (gloves, footwear, hard hat, eye protection) proper lifting techniques, crew communication, pinch/crush hazards, awareness of other crew members and other crews downslope of the work</p>	<p>advise crew leaders of any rock moving tasks assigned to them. Crew leaders will provide safety briefing to any crew members performing rock work, and will ensure compliance with safety standards</p>
Environmental hazards (dehydration, sunburn, heat exhaustion, heat stroke, hypothermia, lightning storms, rattlesnakes, spiders and scorpions)			X		<p>Inform all participants about environmental hazards on the work site and inform them how to avoid these hazards.</p> <p>Identify trigger points of weather, temperature, changing conditions that would cause work to be halted or rescheduled</p>		X			<p>The project orientation/safety talk will include discussion of the day's weather conditions and all environmental hazards relevant to the work site. Crew leaders will monitor their crew members and the weather throughout the day. Any significant changes in weather or signs of stress, illness or injury to a volunteer will be immediately reported to the project supervisor.</p>	<p>Project supervisor will brief the crew leaders on weather for the work day as well as all relevant environmental hazards. Crew leaders will discuss and monitor environmental hazards with their crew. Project supervisor will notify crews of significant weather changes or lighting danger</p>
Domestic Horse Use											
Horseback riding in rugged, steep terrain, snow or ice conditions, hot and cold weather and remote areas.				X	<p>Volunteers performing tasks on horseback will do so in pairs or greater group sizes. Riders will ensure they have experience in riding in the terrain and conditions required for the task.</p> <p>Riders will ensure their horse is accustomed to the riding conditions that it will be subject to</p>				X	<p>The BLM Project Manager or FOM coordinator will discuss the capabilities of the rider and horse prior to initiation of the task.</p> <p>FOM will provide training on trail riding</p>	

Packing horses with tools and needed materials for project work				X	Volunteers will ensure they and the pack animal have experience packing materials in the expected conditions of the project. Volunteer riders will ensure that tools and materials are secured in packs to prevent injury to rider and pack animals.				X			and associated hazards. FOM will provide training on proper packing techniques and safety.	
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Communications (All tasks)													
<p>Communications (cell phone, two-way radios) between volunteers, coordinators and emergency dispatches is limited in portions of the Wild Horse Range.</p> <p>All volunteer tasks must be approved by the BLM coordinator and FOM coordinator. Following approval, volunteers must check in and out.</p> <p>Communication through the use of radios is vital to all volunteer projects. Radios/cell phones/satellite communicators may become unusable due to batteries running down or physical damage. Loss of communication due to equipment</p>				X	<p>Volunteers and coordinators should have discussion and a plan for communications prior to initiation of the task. This includes the check-in and check-out process.</p> <p>Volunteers will have contacted the BLM supervisor or FOM coordinator for approval of a task and how check in and check out will occur.</p> <p>Participants will be trained in the use of the communications equipment issued i.e.: radio, satellite communicator, etc., and practice operation before departing for project.</p> <p>-Participants with radios should make sure equipment is functioning at the beginning of each day including charged batteries. -Participants should report any radio problems to the Project</p>				X			<p>The BLM Project Manager or FOM coordinator will ensure that an adequate communication plan exists prior to initiation of the approved task.</p> <p>The BLM and/or FOM will issue satellite communicators when tasks are in areas with questionable communication via cell phones or radios.</p> <p>The BLM Project Manager or FOM coordinator will ensure that all volunteers that perform a task have checked in and out.</p> <p>-Participants with radios/ cell phones/ satellite communicators should make sure the device is functioning at the beginning of each day including a charged battery.</p>	<p>Supervisors will ensure that radios or satellite communicators are available to volunteers.</p> <p>Supervisors will ensure that the check in and check out process is understood by volunteers.</p> <p>Daily safety chats should include a radio check and a reminder of proper procedures in the event a radio is not functioning.</p>

failure risks the well-being of all involved					<p>Manager. -Participants should not continue their task until they receive a functioning radio if the task requires.</p>							<p>-Participants should report any device problems to the Project Manager. -Participants should not continue their task until they receive a functioning device if the task requires.</p>	
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Name (printed)	Signature	Date

