

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RISK MANAGEMENT WORKSHEET

<p>1. Organization and Location: DOI-BLM-GDO-Tucson FO- SPRNCA</p>	<p>2. Page 1 of: 12</p>
<p>3. Operation / Task: FY 2024 Friends of the San Pedro River Field Work</p>	<p>6. Date Prepared: 09/06/2023</p>
<p>4. Beginning Date: 10/01/2023</p>	<p>5. Ending Date: 09/30/2024</p>

7. Prepared by (Name / Duty Position): Robert Walter, NRS (Recreation), Volunteer Coordinator

8. Identified Hazards: (Be Specific)	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.)	
	Negligible	Minor	Moderate	Serious		Critical	Negligible	Minor	Moderate			Serious
Slip/trip/fall. Walking on uneven ground, steep slopes, loose or slippery footing	X				(Be Specific)	X				(Be Specific)	(Be Specific)	Volunteer project leader will discuss this task with participants. Ensure buddy checks are conducted to identify potential risks before the project.
Heat/cold stress/dehydration, extremely hot temperatures (110) at times.	X				Maintain adequate body fluids by drinking water; always pack extra food/water. Be aware of weather. Use sunscreen and appropriate clothing, including hat. Take frequent breaks. Avoid fatigue. Have extra water and electrolyte drink with you and in the vehicle.					Brief participants on safety concerns. Ensure footwear is suitable for working.		Volunteer project lead will discuss this task with participants. Ensure buddy checks are conducted before, during, and after the project.
Driving or riding in vehicle on highways, roads, narrow-rough,		X			If driving a Government vehicle, driver must be trained in					Volunteer project lead should be trained in first aid.		Volunteer project lead will ensure that volunteers

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(Be Specific)					(Be Specific)							

and/or primitive roads, or cross-country					defensive driving and use and operation of 4WD vehicles if applicable. If riding on all-terrain vehicle, driver will have additional training specific to all-terrain vehicle (UTV), if applicable. Emergency equipment in vehicle (first aid kit, fire extinguisher, basic tire change and minor repair tool kit). Passenger acts as spotter where road conditions require. Passenger avoids distracting driver and maintains awareness of driver alertness. On long drives/long days, switch driver to reduce fatigue. All occupants wear safety belts. Maintain valid driver license. Maintain vehicle in good repair. Understand limitations of vehicle. Obey all laws and regulations for use on public roadways.						complacency check for the driver and makes sure they have a valid driver's license. Completes regular vehicle inspections and maintenance. Perform daily vehicle safety "walk-around" check. Safety briefing when applicable prior to beginning work.	traveling to the project location are safe, wearing safety belts, and have proper certifications with use of motor vehicles.
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(Be Specific)					(Be Specific)								
Fatigue	X				Take frequent rests. Do not push beyond abilities. Participants should decline tasks they do not feel comfortable carrying out. Project leads need to be alert for signs of fatigue and adjust tasks and rest periods.					X			Volunteer project lead and participants conduct buddy checks to ensure before, during, and after the project, participants are checking up with each other.
Trash pick-up	X				Training: Bag strength and load limit. On-site first aid kits, use eye protection, bend with knees and not with back, proper clothing and boots, long pants and sleeves, and leather work gloves, sturdy footwear. Use trash picker tools to avoid picking up with hands to extent possible. Use buckets for gathering or carrying broken glass. Avoid working downwind of open stretches of bare dry soil, and of woodrat dens.					X			Participants who have had hazardous materials awareness training and blood-borne pathogens training may don First Aid gloves with leather gloves over them, or use a trash picker tool, to pick up needles or syringes and place them in a sharps container. Use buckets for gathering or carrying broken glass. If winds are persistent and generating dust, reschedule work near bare dry soils.
Hazardous materials	X				Safety briefing prior to beginning work. Proper PPE required – gloves, long sleeves, masks, leather gloves, trash bags, trash pickers, sharps buckets for trash pickup. If suspicious materials					X			Volunteer project lead briefs participants and instructed that this item is addressed during each and every tailgate safety session. Require PPE to

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					are found, participants will not touch handle, or move the materials. Note the location of the materials and, if possible, flag the location. Notify other workers to steer clear of the materials and inform the project leader. If it is not certain whether a material is hazardous, consider it hazardous. Use special care when encountering human waste (feces/urine) – double bag and notify crew leaders so they may mark it a biohazard and properly handle it. Examples of materials should be considered hazardous include:						them, or use a trash picker tool, to pick up needles or syringes and place them in a sharps container. Participants who have had hazardous materials awareness training may pick up batteries that are not leaking and transport and transport them by government vehicle to proper disposal site.	
					<ul style="list-style-type: none"> • Unidentifiable liquids and powders • Materials with strong petroleum or unwholesome (chemical) odors including motor oils and coolants • Needles, syringes, or other identifiable medical waste • Pesticide, chemical and solvent containers • Drums and five-gallon buckets (do not open, move, bang on, or stick 							

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Insect stings/bites	X				<ul style="list-style-type: none"> your head in the drum) Asbestos, including insulation and ceiling and floor tiles Automobile and motorcycle batteries <p>Use insect repellent when needed. Carry sting kit if recommended by personal physician. Each participant should carry a bee mask if conditions warrant.</p>	X					Brief participants on safety concerns. Refer to Bee Safety SOP developed by BLM. Inform participants of any apiaries in the project area. Ask if any participants have a known allergy or sensitivity. Project leaders should be trained in first aid.	Volunteer project lead discusses during the tailgate safety session. Participants use buddy checks to be aware of surroundings before, during and after the project.
Venomous snakes and scorpions (bite, sting, fright)	X				Avoid placing hands and feet where snakes and scorpions might hide. Give visible snakes and scorpions a wide berth (at least 10-feet of distance). Do not handle snakes or scorpions. Notify project leader immediately in the case of bite or sting. Do not apply a tourniquet, bleed the wound, or "suck the venom" from	X					Brief participants on safety concerns; examples: there are various shoe types that afford a proper level of protection. Provide information regarding typical habitats for venomous animals.	Volunteer project lead will take every necessary precaution to ensure safety to self, and participants. In addition to, safety tailgate, safety check procedure/communication and evacuation plan. Project lead will sweep the area

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					the wound. Remove restrictive jewelry. Prompt medical attention is necessary.							
Plant spines/thorns	X				Avoid plant thorns, wear appropriate protective clothing, carry comb, or pocket tool to remove cholla spines. Handle material with gloves.							before the event. In the event of a Snake being found all work will cease within a radius of 10 feet. Further from the snake than estimated striking distance. A monitor will be assigned to move the area closed to work as the snake moves. The snake will not be moved. Work will be rescheduled if necessary due to the presence of snakes.
Hunter encounters	X				Participants should be made aware of current hunting seasons. Participants should wear proper clothing							Volunteer project lead will take every necessary precaution to ensure safety to self, and to participants.
Illegal trafficking encounters		X			Avoid Confrontation with suspicious people, do not approach them. Avoid contact with smuggling. Do not pick up hitchhikers							Volunteer project lead will be aware of surrounding and know when hunting seasons are occurring. To ensure safety precautions have been implemented for self and participants.
Communications	X				Project lead will develop and							Volunteer project lead will discuss safety procedure protocol in case of encounter.

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Camp Tool use Shovel, Knife, hammer, Screwdriver, etc.	X				implement a communications plan that provides for routine communications, emergency communications, and for participant accountability (check-in/ check-out).						all project implementation plans. Scheduled communication times. Use satellite phone or personal cell phones. Specify meeting time and place if group splits up. Walkie Talkie radios may be appropriate.	discuss procedures during the tailgate safety session.
Lifting and carrying	X				Use properly maintained tools for the job(s) for which they were created. Gloves, eye protection.						Project lead to brief participants on safety concerns and ensure participants are aware how to use equipment before use. Ensure equipment is maintained.	Volunteer project lead discuss proper PPE to wear during tailgate safety session. Volunteers who refuse to use proper PPE will not participate.
Medical conditions: Allergies-anaphylaxis, asthma- respiratory distress/failure, diabetes-shock	X				Use safe lifting techniques. Avoid lifting loads that are too heavy; wait until assistance is available. Use carts, dollies, wheelbarrows when needed.						Discuss safe lifting Determine if a task will require heavy lifts and provide for helpers or proper equipment when needed.	Volunteer project lead will monitor that proper technique is being used. Wait for additional assistance if necessary.
Riding in BLM Vehicle with BLM Driver, on highways, roads, and	X				Safety briefing prior to working. Ask crew leader/participants if anyone has prior medical conditions – allergy to bee/insect stings, diabetes, asthma						Identify project leaders and participants that have first aid training. Require presence of epi-pen if needed.	Volunteer project lead discusses protection available on site and identify subject matter expert to reach out should an event occur at tailgate safety session.
					Driver will be BLM employee and trained in defensive driving and						Safety briefing and first aid kit on site. Driver will not	Volunteer project lead will review proper protocol at

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narrow rough and/or primitive roads (Vehicle traffic accidents, collision with others, collision with fixed object, running off highway, roll over, highway fatigue, getting stuck					use and operation of 4WD vehicles. If riding on all-terrain vehicle, driver will be BLM employee with additional training specific to all-terrain vehicles (UTV, ATV). Emergency equipment in vehicle (first aid kit, fire extinguisher, basic fire change and minor tool kit). Passenger avoids distracting driver and maintains awareness of driver alertness. All occupants wear safety belts.							tailgate safety session.
Hand tool use- Shovel, geology pick, mattock, wheelbarrow, post pounder, rock bar, screwdriver, hammer, etc. Mix and pour concrete	X				Training in proper use of tools and equipment. Use proper tool for job. Follow any manufacturer recommendations for safe use. Use tools only if in proper condition. Use eye (and hearing, if appropriate) protection when using tools. Volunteers will work with tools supplied and maintained by BLM. Maintain appropriate spacing and keep an eye out for others to avoid hitting them or being hit.	X						Volunteer project lead will discuss proper protective gear during tailgate safety session.
Wading through water (Falling, tripping, drowning, and associated injuries involving movement through water or slippery surfaces).	X				Being attentive to detail. Maintaining constant knowledge of water depth and velocity. Having secondary personnel on site, out of water. Use of waders or mud boots.							Discuss if volunteers are equipped with waders or mud boots in activities that involve wading through water.

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Road traffic, directing traffic	X				Have traffic control plan with signs and/or flagger on both approaches to alert crews and travelers when doing work along roadside. Park off the travel way; do not obstruct passage for other vehicles. Wear safety vest (orange).	X					Brief crew to keep clear of roadway. Assign flagger and traffic control duties when working on roadside.	Volunteer project lead to discuss protocol and PPE at tailgate safety session and/or before task begins.
Environmental hazards (Monsoons, floods, mudslides). Increased flow and turbidity in river and washes.	X				Being attentive to water clarity and sudden increases in water velocity. Paying attention to weather reports before heading to the field.	X					Safety briefing on signs of flash floods. Have weather report, if pertinent.	Volunteer project lead to discuss signs of impending event at tailgate safety session. Periodic checks before, during the project on the weather conditions at the project site.
Trailer operation	X				Connect trailer properly and check for proper function including lights, crossed safety chains, locked/pinned ball collar, trailer brake settings, proper secured load, tire pressures, correct ball size and hitch level. Trailer operation including proper training, hauling techniques, hazard abatement and trailer backing.	X					Schedule monthly trailer inspections: wear PPE during trailer hook up, practice trailer backing, and operation in traffic, off-road and various weather conditions.	Volunteer project lead will ensure those operating the trailer have proper training during tailgate safety session.
Battery powered hand-tools i.e., saws-all, circular saw, grinder, power drill, hedge clippers		X			Training in proper use of tools and equipment. Use proper tool for job. Follow any manufacturer recommendations for safe use. Use tools only if in proper condition. Use hand, eye (and				X		Provide proper tools for the job. If volunteers do not wear appropriate PPE, volunteers will not participate in the activity. Provide gloves, eye	Volunteer project lead to discuss precautionary measures and required PPE during tailgate safety session. Inspect tools before, during and after

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Other wild animal encounters – mountain lions, bighorn sheep, bobcats, deer, javelin	X				hearing, if appropriate) protection when using tools. Stay in groups of at least two. Do not sneak up on animals. Speak loudly occasionally. Do not run from mountain lions as they will give chase. Back away slowly and make yourself look as large as possible.	X				protection, and hearing protection. Use buddy system. Show participants what different types of animal prints look like. Demonstrate what to do during a mountain lion encounter.	project. Volunteer project lead to discuss need for buddy system and what to do should an event occur during the tailgate safety session. Periodic buddy system checks before, during and after project.
Walking/hiking (includes guides/docent-led public tours)	X				Safety briefing prior to beginning work. Identify hazards of walking on uneven or slippery terrain. Identify what to do, if injured. Require proper footwear for each job. Maintain a clear and uncluttered work area. Maintain tour group stays together and does not become separated.	X				Remind participants of proper safety precautions while walking on steep, rough or uneven or slippery terrain. First aid training required if leading public tours.	Volunteer project lead to discuss related hazards & proper PPE during tailgate safety session. Volunteer lead to provide BLM with documentation of docent's first aid certification. BLM may provide training (if available) to docents who are not up to date on certifications.
Battery operated hedge trimmer for trail maintenance use		X			Always wear proper PPE, Ear Protection, eye protection, long sleeve, long pants boots above the ankles and gloves. Be aware of your surroundings, watch your footing while operating, Do not operate power tools in the presence of flammable liquids, gases, or dust. Power				X	Provide proper tools for the job. Ask participants if they are comfortable using tools provided. Provide gloves, eye protection, and hearing protection. Project lead to ensure that volunteers are wearing appropriate PPE.	Volunteer project lead to discuss related hazards & proper PPE during tailgate safety session. Inspect tools before, during and after project. Perform checks before, during and after the project.

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(Be Specific)	Negligible Minor Moderate Serious Critical	(Be Specific)	Negligible Minor Moderate Serious Critical	(Be Specific)	(Be Specific)

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.)

Michael S. Dixon / Michael A. Dixon 09/08/2023

Printed Name / Signature

INSTRUCTIONS

1. Organization conducting the Risk Assessment and the location of the operation.
2. If more than one page is used, indicate number of pages. (For example: Page 1 of 3)
3. In general terms, identify the operation/task(s) to be performed.
4. Enter the date that the operation/task(s) is/are to begin.
5. Enter the date that the operation/task(s) is/are to end.
6. Enter the date that the Risk Assessment was prepared.
7. Enter the name and duty position of the person completing the form.
8. Identify specific hazards associated with the operation/task(s). It is important to be specific and start at the beginning, the preparation phase (equipment draw/transportation of equipment) of the operation. (For example: unfamiliar equipment, inexperienced operators, improperly configured equipment, challenging terrain, natural hazards, hazardous chemical use, span of supervision, location of work, types of roads, confined spaces, pinch points.)
9. Assess the initial risk using the risk assessment matrix.
10. Identify control measures for each identified hazard in block 8.
11. Assess the residual risk, the risk remaining after control measures are taken into consideration, using the risk assessment matrix.
12. Identify how the controls will be implemented (For example: SOPs, tailgate safety briefings, written/oral policy statements/directions, familiarization training, Right to Know training, use of PPE, use of spotters.)
13. Enter the specific individual(s) or method(s) used to supervise and evaluate the provisions of the Risk Assessment. (For example: supervisor/leader on site, buddy system, employee crosstalk.)
14. Check the appropriate remaining level of risk.
15. The authority accepting the risk should sign this block; however, if the authority is notified and accepts the risk, the person completing the form can note same sign block 15. (See "Note" in block 15.)

