U.S. Department of Agriculture	1. WORK PROJECT/ACTIVITY	2. LOCATION	FS-6700-7 (11/99		
Forest Service			3. UNIT		
JOB HAZARD ANALYSIS (JHA)	4. NAME OF ANALYST	Prather 5. JOB TITLE	0515		
References-FSH 6709.11 and -12	T. NAME OF ARALIOT	3. JOB IIILE	6. DATE PREPARED		
(Instructions on Reverse)			03/2016		
7. TASKS/PROCEDURES	0.11474550				
7. TASKS/PROCEDURES	8. HAZARDS	9. ABATEM	ENT ACTIONS		
		Engineering Controls - Substitut	ion * Administrative Controls * PPE		
		Only as trained to do so.	-		
Use of Crosscut Saw to remove trees	Head Injuries, Eye Injuries,	PPE: Hardhats, Eye protection, pant	ts 1.S. shirt. Cut resistant or Leathe		
from a project area or trail	Cuts, Abrasions, Puncture	Boots 8" high, non-skid soles, Glove			
, ,	Wounds, Falling Objects,	Kit with Infectious Exposure Control			
	rrounds, running objects,	people on the project.	large enough for the amount of		
	· · ·	-Sharp saw: crosscut- only profession	and to sharpen and tune. Current		
Saw Pack Equipment Required	Dullsaw/improperly	saws must have proper covering she			
	sharpened- can cause various	must be sheathed when not in use.	sam for all the cutting teeth, and		
	Injuries: muscle strains,				
	lacerations,	CROSSCUT SAW PACK			
	,	-Job Hazard Analysis			
	aggravation/fatigue.	- Communication/Evacuation Plan			
		- Bucking or Felling Saw -sheath must cover all teeth			
	The lack of proper equipment	- Limbing Saw -8" blade min for limbing or aid in stuck saw rescue			
	can lead to safety hazards and	- Falling Axe (3-5lb) with sheath or	double bit axe/pulaski and single -		
	problems, possibly injuries.	jack hammer (drive wedges and c			
		- 6 Wedges min. various sizes- ke	ep saw from becoming pinched.		
	Too free a saw pinched in the	and to aid in various saw cutting	situations and techniques		
	kerf: Chopping hazards-	- Shovel -various uses, dig out und			
	glance off flying tool serious	- Saw Lube/Cleaner -deisel, desol			
	injury, flying pieces of wood	and pitch off saw reduce fatigue			
	and or metal slivers		Handle – in case of loss to finish cut		
		- First Aid Kit/Infectious Exposure			
m (V)	12	- Bastard Mill File - sharpen Axe	XII		
		Adjustable Diese to tighten or so			
		- Adjustable Pliers to tighten or re			
		- Standard Screwdriver (to tighten			
		- Orange Flagging/Permanent Mar	ker - to mark any hazards left		
		- Steel Wool - cleaning pitch from	saw		
Carrying the Saw	Intury from court soft forts	Carry the saw so that the teeth point	nt away from the body. Carry the		
Can ying the Caw	Injury from saw teeth /cuts,	saw on the downhill side of the trail	or slope. As stated above the		
	Falling - from loss of footing,	crossscut saw must have a sheath	covering . ALL cutting teeth and		
	balance, or saw catching an	rakers. Use the sheath while transp	porting the saw. When carrying the		
	obstacle	crosscut saw unsheathed, before c	utting or between cuts, grip the saw		
		firmly with both hands. Keep the cu	itters pointed away from one's body		
		and be cautious. When carrying sa	w for long distances remove		
		handles to avoid getting caught on	obstacles and lessen the "flapping:		
		motion. Keep a safe distance from	other crew members		
		The same trace a date distanted from	COLOR MORIDOIS		

(Crosscut Saw Use cont'd)		
Saw Transporation, Vehicle	Injury from exposed teeth or loose equipment	Do not transport the saws in the passenger compartment along with people. Do not lay other equipment on the crosscut saw. The saw must be secured in a way to keep it from coming unbound if it is not secured laying flat.
Bucking, Limbing Trees	Lacerations from sheathing the saw and removing the sheath Injury from falling trees, limbs, logs Flying Debris Injury from rolling logs or dislodged rocks	A crosssut saw must be at least two feet longer than the diameter of the tree or trees being cut. Keep a safe working distance so that the activities of one will not create a hazard for another. Dangerous trees should be marked (orange flagging) and an adequate safety zone should be determined and clearly identified to all crew members to stay clear. Those not essential for the project will keep outside of the determined safety zone. Ensure adequate traffic control measures are taken on roads and trails to ensure the safety of all travelers in the area. Establish a means of communication: yelling, radio, hand signals, etc. Communications must be clear, concise and understood by everyone involved. Establish escape routes and clear them before starting to cut. Plan your cuts, and prepare the area removing debris, tools or gear that may cause injury or blockage to an escape or rolling operation. Important to remove limbs flush to log when necessary to roll log out or trail for ease of rolling, and to prevent any clothing or gloves becoming snagged on log and possibly causing some kind of either minor or serious injury. Never make a finishing bucking cut from the downhill side of a tree or log.
10. LINE OFFICER SIGNATURE Carch Laplet D Previous edition is obsolete	11. TITLE Point Ranger (over)	12. DATE 4.11.16

FS-6700-7 (03/02)

U.S. Department of Agricul	ture	1. WORK PROJECT/ACTIVITY		2. LOCATION	3. UNIT
Forest Service		Trail Maintenance		Sierra National Forest	High Sierra RD
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12		4. NAME OF ANALYST		5. JOB TITLE	6. DATE PREPARED
(Instructions on Reverse		Adam Barne	∍tt	Wilderness Manager	2/29/2016
7. TASKS/PROCEDURES	8. HAZARDS		9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE		
Traveling in forested country	Injury from falling branches Pokes in eyes from chips or branches Slip, trips, and falls Falls from unstable ground Exposure to weather Hypothermia		Leave plenty of room between crew members when walking (at least 10'). Let person behind you know if branches will snap back. Keep crews out of steep country with unstable soils during hazardous conditions such as heavy rainfall or severe winds. Be cautious on wet plant material on steep slopes. Stay off of ridgetops during thunderstorms – go to low lying area, away from the tallest protrusions, such as the tallest trees and rocks. Wear warm waterproof gear in rain or snow storm.		
Carrying and using tools	Cuts from sharp tools or blisters Shards of rock in eye or shins		Keep tool guards on tools while transporting them Use gloves while carrying, using or sharpening tools. Wear safety glasses if using axe, chopping tool, double jack or rock hammer. Wear PPE (gloves, hard hat, long sleeve shirt, long pants, boots that cover ankle).		
Lifting	Back strains, pulled muscles, injuries to feet from dropping heavy objects Injuries to back Injuries from falling rock Fly rock Injuries to feet or hands moving big rocks		Good communication with all members of the lifting group to avoid strain on any one individual. Use PPE. Lift with legs and not with back. Do not exceed your personal ability. Careful of slippery footing if working in wet conditions or streams. Use lifting aids; bars, fulcrum, etc.		
Building or maintaning rock walls or other rock structures			Good commany one income breaking up starts to rol	ing under each other if working on a slomunication with all members of the lifting dividual. Wear PPE to avoid injury from for rocks. Shout "Rock" if a rock comes to leave if it appears noone is below. Us all hands away from pinch points wher	group to avoid strain on lyrock while chinking or lose on a slope and se rock bars to move big
Building or maintaining bridges or trail structures with logs or lumber	Back strains, pulled muscles, injuries to feet from dropping heavy objects. Splinters, stepping on nails		Use PPE. Lift with legs and not with back. Do not exceed your personal ability. Careful of slippery footing if working over a stream. Remove all n		xceed your personal stream. Remove all nails ep 10' distance from it logs to avoid injury
Cleaning & repairing waterbars	strains, pul	Cuts from tools, back strains, back strains, pulled muscles Foot injuries from dropped rocks		while using or sharpening tools. Wear see, chopping tool or rock hammer. Good of the lifting group to avoid strain on any E (leather boots, gloves, goggles, long pages)	communication with all one individual. Wear ants, long sleeve shirt,
Brushing		es from chips or branches. from falling branches	Leave plen	hat and goggles when cutting limbs abouty of room between crew members when nch will snap back. Wear safety glasses ots.	n walking. Let others

Logging out trail	Cuts from tools, back strain, flying chips. Possibility of getting hit with rolling logs	Avoid working under each other if working on a slope to avoid rollling logs. Good communication with all members of the lifting group to avoid strain on any one individual. Wear proctetive clothing and eyewear to avoid injury from chips (check saw JHA). Place sharp tools away from job when ready to move logs. Do not exceed your personal ability. Careful of slippery footing if working over a stream. Use lifting aids; bars, fulcrum, lever.
Maintenance or construction of a stream crossing	Injuries to back Back strains, pulled muscles, injuries to feet from dropping heavy objects. Hypothermia	Use extreme caution while in the stream to assure good footing. Avoid working in streams when in flood stages. Schedule stream work when flows are at a minimum. Use close-toed boots when working in water.
Traveling between worksites in the backcountry.	Getting lost while traveling, or need to evacuate area.	Ensure that all members of the group have access to a map and know how to use it. Each member should be aware of location of quickest route to a trailhead or communication source to call in a rescue if needed. Before groups divide into separate work groups, ensure that all members understand where they're going and when and where to meet others, and that each group has a radio. Identify possible confusing junctions/areas and clarify directions. When traveling in remote backcountry, ensure that all members carry minimum basic supplies to survive a night if seperated from group or stock support – including water, jacket, hat, matches, basic first-aid gear.
All Maintenance work	Unidentified safety hazards	Stay in constant communication. If any member of the group feels that something is unsafe, or sees warning signs of a problem, SPEAK UP!!! Talk to each other when working, and watch out for other members' conditions watch for dehydration, hypothermia, unsafe work habits, dangerous natural conditions.

10. LINE OFFICER SIGNATURE	11. TITLE	12. DATE
farah laplit	Deputy District Ranger	3.3.16
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USDA

U.S. Department of Agriculture Forest Service

1. WORK PROJECT/ACTIVITY All field work

4. NAME OF ANALYST

Sierra National Forest

2. LOCATION

5. JOB TITLE

High Sierra RD

6. DATE PREPARED

3. UNIT

UAS

JOB HAZARD ANALYSIS (JHA)
References-FSH 6709.11 and -12
(Instructions on Reverse)

Assistant Manager OHV

12/01/2015

1	(Instructions on Reverse)	Raul Moreno Jr.		Assistant Manager, OHV	12/01/2015
	7. TASKS/PROCEDURES	8. HAZARDS	En	9. ABATEMENT ACTIONS gineering Controls * Substitution * Administration	tive Controls * PPE
DRIVING	TO THE JOBSITE	Dusty, winding, narrow roads, rocky or one-lane roads in an unfamiliar vehicle, stormy weather, near confused tourists, angry or irritated, turnin around on narrow roads sick or medicated; on wet or slimy roads, animals on road	Go slow ard Stay clear of Yield right- Check brak in vehicle log Inquire abo Drive to avo Attitude adj the vehicle Safely turn the vehicle Let others Drive slow	out conditions before leaving the office. Be a sold accident situations created by the mistal ustment; change the subject or work out the Let someone else drive. Out with as much room as possible. Know Use a backer if available. On the crew know you do not feel well. Let and safe, wear seatbelts.	cks. ace to pull over. Jse maintenance checklist aware of oncoming storms. kes of others. e problem before driving what is ahead and behind someone else drive.
RADIO	UNICATION COMMUNICATION: ROUTINE COMMUNICATION	No communication due to dead spots from terrain and/o weather. No communication due to malfunction of radio. Nobody in office to receive check-ins on weekends, early and late in season, or after work hours in the evening. Emergency Situation (Accidents: major and minor)	charged. Cor out in office someone to itinerary. In locations we required. We determine to	adio is working before you leave the station arry a "clam shell" with fresh batteries in the with destination and return times. Check in receive check-in on the weekends. Make so the field, make sure you know where "dear here radio can transmit. Relay messages the hen checking in during the day, include yowhen the next check-in time is and where you	ne rig for a back up. Sign In during the day. Schedule In during the day. Schedule In during the day. Schedule In spots" are and find In ough lookouts if/when In present location,
- E	EMERGENCY SITUATION	Accident: major and minor	Administer Secure and Identify the and provide Use clear to DO NOT rei	Size up the situation. Contact dispatch and first aid based on medical qualifications. preserve the scene. Incident Commander and advise dispatch. edispatch with periodic updates. ext, clear, concise, and to-the-point message ay names of victims over the radio. ditional resources through dispatch.	Maintain communications

- CHECK-IN	1	
SILON-IN	Dead spots, radio failure, no communication, accidents	For dead spots: move around and find a place to transmit. You may need to walk/drive up out of a valley, or simply walk down the road a way. If there is a failure to communicate, try changing batteries or using a different
	v	radio. Set up procedure with the district office in case an accident prevents you from calling in, (for example, if two scheduled check-ins are missed, a search will be initiated). If an employee fails to call in or return on schedule, the Supervisor shall take appropriate follow-up action.
FACE-TO-FACE	Safety, crew unity	Talk to each other. Let other crewmembers know when you see a hazard. Avoid working near known hazard trees. Yell "ROCK!" if you see one start to roll down the hill. Always know the wherabouts of fellow crewmembers. Review Emergency Evacuation Procedures (see below).
WALKING AND WORKING IN THE FIELD	Falling down, twisted ankles and knees, poor footing	Always watch your footing. Slow down and use extra caution around logs, rocks, and animal holes. Extremely steep slopes (>50%) can be hazardous under wet or dry conditions; consider an alternate route. Wear laced boots with a minimum 8" high upper and non-skid Vibram-type soles for ankle support and good traction (no holes, cuts, or tears).
	Falling objects	Wear your hardhat for protection from falling limbs and pinecones, and from tools and equipment carried by other crewmembers. Stay out of the woods during extremely high winds.
	Damage to eyes	Watch where you walk, especially around trees and brush with limbs sticking out. Exercise caution when clearing limbs from tree trunks. Advise wearing eye protection. Ultraviolet light from the sun can be damaging to the eyes; look for sunglasses that specify significant protection from UV-A and UV-B radiation.
	Bee and wasp stings	Watch for respiratory problems. Notify dispatcher and get person to a doctor immediately if there is trouble breathing. Gently scrape stinger off of one is present. Apply analgesic swab and a cold pack if possible, and watch for infection. Flag the location of any known nests and inform other crewmembers. Advise packing an inhaler and Benadryl or Epi-pen if you are prone to severe allergic reaction.
	Ticks and infected mosquitos	Wear long sleeve shirts. Tuck pants into socks/boots. Visually check each other for ticks while in the field. Check yourself carefully at home at day's end. If a tick is imbedded in you:

WALKING ID WORKING IN THE FIELD CONT'D		*Gen_pull the tick out with tweezers or fingernails using a quick tug. *Wash the infected area and monitor for a red rash.
	Handtools: Protection from cuts,flying debris Cutting yourself or other's on sharp surfaces	Following PPE is required for handtool use:1.)appropriate gloves 2.) 8-10 inch high laced boots 3.)longsleeved shirt 4.)Approved hardhat 5.)eye protection Maintain a safe working distance. Proper signing and visibility vest on high traffic volume roads Consider flag person if needed. Place roadguards with a communication system in place. Post "crew working" signs along the roadway at specific points.
ENVIRONMENTAL HEALTH CONSIDERATIONS	Heat Stress/Exhaustion	Remain constantly aware of the four basic factors that determine the degree of heat stress (air temperature, humidity, air movement, and heat radiation) relative to the surrounding work environmental heat load.
		Know the signs and symptoms of heat exhaustion, heat cramps, and heat stroke. Heat stroke is a true medical emergency requiring immediate emergency response action. NOTE: The severity of the effects of a given environmental heat stress is decreased by reducing the work load, increasing the frequency and/or duration of rest periods, and by introducing measures which will protect employees from hot environments.
	Severe Environmental Heat Loads Dehydration	Maintain adequate water intake by drinking water periodically in small amounts throughout the day (flavoring water with citrus flavors or extracts enhances palatability). Some overhydration is strongly recommended.
		Allow approximately 2 weeks with progressive degrees of heat exposure and physical exertion for substantial acclimatization. Acclimatization is necessary regardless of an employee's physical condition (the better one's physical condition, the quicker the acclimatization).
		Tailor the work schedule to fit the climate, the physical condition of employees, and mission requirements. a. A reduction of work load markedly decreases total heat stress. b. Lessen work load and/or duration of physical exertion the first days of heat exposure to allow gradual acclimatization. c. Alternate work and rest periods. More severe conditions may require longer rest periods and electrolyte fluid replacement.
	Wet Bulb Globe Temperature (WBGT) Index	Curtail or suspend physical work when conditions are extremely severe (see attached Heat Stress Index). Compute a Wet Bulb Globe Temperature Index to determine the level of physical activity (take WBGT index measurements in a location that is similar or closely approximates the environment to which employees will be exposed). WBGT THRESHOLD VALUES FOR INSTITUTING PREVENTIVE MEASURES 80-90 degrees F Fatigue possible with prolonged exposure and physical activity.
		90-105 degrees F Heat exhaustion and heat stroke possible with prolonged

exposure and physical activity. ENVIRONMENTAL HEALTH CONSIDERATIONS 105-130 degrees F Heat exhaustion and heat stroke are likely with prolonged CONT'D... heat exposure and physical activity. Cover all exposed skin and be aware of frostbite. While cold air will not freeze the **Cold Extremes** tissues of the lungs, slow down and use a mask or scarf to minimize the effect of cold air on air passages. Additional measures to avoid cold weather problems are: Dress in layers with wicking garments (those that carry moisture away from the body) and a weatherproof slicker. A wool outer garment is recommended. Take layers off as you heat up; put them on as you cool down. b. Wear head protection that provides adequate insulation and protects the C. ears. Maintain your energy level. Avoid exhaustion and over-exertion which causes sweating, dampens clothing, and accelerates loss of body heat and increases the potential for hypothermia. Acclimate to the cold climate to minimize discomfort. Maintain adequate water/fluid intake to avoid dehydration. f. Wind chill greatly affects heat lose (see attached Wind Chill Index). Avoid marking in old, defective timber, especially hardwoods, during periods of Wind high winds due to snag hazards. **EMERGENCY EVACUATION PROCEDURES** Illness/Injury Activate EMS Refer to Emergency Evacuation Instructions on the next page. (EEP) Render first aid to sick or injured until relieved by a higher-level medical responder. Do not abandon the patient. Use Blood borne Pathogen precautions. Use care when moving patients and transporting the injured. Maintain communications. Notify your supervisor. Complete necessary paperwork. 12. DATE 11. TITLE 10. LINE OFFICER SIGNATURE 12.9.15 District Ranger Previous edition is obsolete (over)

AH FRIDAY

U.S. Department of Agriculture		1. WORK PROJECT/ACTIVITY		2. LOCATION	3. UNIT
Forest Service		Wilderness Travel		Sierra National Forest	High Sierra R.D. 6. DATE PREPARED
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12		4. NAME OF ANALYST		5. JOB TITLE	6. DATE PREPARED
(Instructions on Reverse)				Wilderness Ranger	3/2016
7. TASKS/PROCEDURES		8. HAZARDS 9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative			
nvironmental Hazards (cont'd) H&SCH p. 50- 33)	(H&SCH p. 50 – 42)		 Don't use radios or phones Put down tools Turn off generators and electrical equipment Don't handle flammable materials in open containers Stay in your vehicle Move away from water tanks, ponds, lakes, streams. Avoid ridgetops, hilltops, meadows/wide open spaces. rock outcrops, sheds/shelters in exposed locations and avoid grouping people together Move away from horses and stock If feel an electrical charge, if hair stands on end or skin tingles, a lightning strike may be imminent. Avoid tall objects –lone trees. If in open area, best to make self as small as possible. Insulate yourself from the ground while crouching your tip toes hold yourself into a ball. 		
	Cold E	xposure/ Hypothermia	weather to moisture clothes if	e causes, signs and symptoms. That affect cooling of the body corand wind. Avoid exposure. Stay possible, get out of wind, stay ac	e are: temperature, dry, change into dry tive, prevent dehydration
10. LINE OFFICER SIGNATURE H&SCH = Health & Safety Code Handbook 12/1999 version		N N	11. TITLE	ng warm water, and eat balanced	12. DATE

U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY	2. LOCATION	3. UNIT High Sierra R.D.	
JOB HAZARD ANALYSIS (JHA)	Wilderness Travel 4. NAME OF ANALYST	Sierra National Forest	6. DATE PREPARED	
References-FSH 6709.11 and -12	A. IAMINE OF MINALIST		3/2016	
(Instructions on Reverse)		Wilderness Ranger	3/2010	
TASKS/PROCEDURES	8. HAZARDS 9. ABATEMENT ACTIONS Englneering Controls * Substitution * Administrative Controls * PPE			
Environmental Hazards (H&SCH p. 50- 33)	Change in weather	Be prepared. Obtain or listen to an updated weather forcast before going out into the field/backcountry. Carry necessary gear and equipment, or make plan adjustments. Dispatch announces forcast 11am and 4pm daily.		
	Heat exposure/ Exhaustion/Dehyration	Be alert during periods of continued extreme temperatures. Know and watch for signs of heat- stress disorders. Adjust by setting a moderate work pace, take frequent breaks in cool locations if possible, always have an adequate supply of drinking water and stay hydrated by drinking frequently. Bathe or wash daily to keep pores and hair clean. Wear hardhat, and lightweight, loose fitting clothing to prevent sunburn and allow air circulation.		
	Sunburn	Minimize exposure by using sunscreen, ha have 100% UV protection), lip balm (with spants, and utilize shade when possible.		
	Altitude sickness	Know the signs and sypmtoms. Preventati making a slow ascent, taking frequent brea fatigue, eating foods high in carbohydrates taining hydration by drinking fluids.	ks to avoid excessive	
	Water Treatment	There are several ways to treat water for cuse a water filter, or chlorine treatment drop methods of water treatment other than boil	s. Follow directions on alternati	
		(continued)		

U.S. Department of Agriculture	1, WORK PROJECT/ACTIVITY		2. LOCATION	3. UNIT
Forest Service	Wilderness Travel		Sierra National Forest	High Sierra R.D.
JOB HAZARD ANALYSIS (JHA)	4. NAME OF ANALYST		5. JOB TITLE	6. DATE PREPARED
References-FSH 6709.11 and -12 (Instructions on Reverse)			Wilderness Ranger	3/2016
7. TASKS/PROCEDURES	8. HAZARDS		ABATEMENT AC Substitution * Ad	TIONS ministrative Controls * PPE
Wilderness Travel (H&SCH p. 10 – 6)	Working Alone	plan incluand map. Leave an which incluance approximation	itinerary of planned trip with super ludes: destinations, planned rout ate date and time of return. and out with dispatch in the morning	with extra batteries, compass visor and family es of travel and
Disorientation or becomi		Plan ahead, go over routes with entire crew, 'buddy-up' Keep calm don't panic. Contact dispatch for assistance. Don't walk aimlessly, try to orient yourself with gps or map/compass Select a sheltered area, prepare a camp and stay there. Gather fuel before dark. Put out visual markers if available.		
	Personal Protective Equipment	1) 1st Aid 2) Map a 3) Match 4) Water 5) Food 6) Flashl 7) Two-v 8) Eye p	nd compass es or fire starter in weatherproof co	ontainer y trip mmunication device
		(Co	ntlnued)	

U.S. Department of Agriculture	1. WORK PROJECT/ACTIVITY	2. LOCATION	3. UNIT			
Forest Service	Wilderness Travel	Sierra National Forest	High Sierra R.D.			
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12 (Instructions on Reverse)		5. JOB TITLE Wilderness Ranger	6. DATE PREPARED 3/2016			
7. TASKS/PROCEDURES	7. TASKS/PROCEDURES 8. HAZARDS		9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE			
Wilderness Travel (continued)						
Backpacking/ Hiking	Poor fitness/health problems (H&SCH p. 50-13)	Physical fitness. Stretch and warm up muscles before throwing on a 50lb pack and hiking over rough terrain for 10 miles!				
	Twisted ankles/ strained muscles	Watch footing while hiking on uneven terra crossings. Pace yourself, take breaks, drint re-fuel (eat) to help prevent fatigue. Use cusing leg muscles, setting pack on rock or help from a crewmember.	k fluids, and are when lifting pack by			
	Blisters/footcare (H&SCH p. 10 – 50)	Wear proper fitting boots. Wear clean, quaing, wicking moisture, reducing friction, for comfort. Recognize and treat 'hotspots' be	r insulation, and			
H&SCH = Health & Safety Code Handbook 12/199		(Continued)				

					FS-6700-7 (03/02)			
USDA	U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY RADIO COMMUNICATION		2. LOCATION	3. UNIT			
	2 07 037 507 1100			Sierra National Forest	High Sterra RD			
UAS	JOB HAZARD ANALYSIS (JHA)	4. NAME OF ANALYST		5. JOB TITLE	6. DATE PREPARED			
Comment of the contract of the	References-FSH 6709.11 and -12 (Instructions on Reverse)	K.Thompson		FPT	12/18/2015			
7. TASKS/PROCEDURES 8. HAZARDS			9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE					
Routine Communication No communication due to dead spots from terrain a weather. No communication due to malfunction of radio. Nobody in office to receive check-ins on weekends, early and late in season, after work hours in the evening.			Sign out in office with destination and return times. Check in during the day. Schedule someone to receive check-in on the weekends. Make sure they know your itinerary. In the field, make sure you know where "dead spots" are and fin locations where radio can transmit. Relay messages through lookouts if/when required. When checking in during the day, include your present location,					
Emerge	ency Situation	Accidents: major and minor	MICC Admin Secul Identi and p Use c DO N	calm. Size up the situation. Contact Modoc In 2) and report on conditions. nister first aid based on medical qualifications. The and preserve the scene. The Incident Commander and advise MICC. The Incident Commander and Incident I	Maintain communications			
Check-	In .	Dead spots, radio failure, no communication, accidents, Spot devices	walk/ If the radio Set u callin initiat If an appro	p procedure with the district office in case ап ас g in, (for example, if two scheduled check-ins a	e road a way. eries or using a different ccident prevents you from re missed, a search will be the Supervisor shall take arry a Spot device as y and others. Discuss use of			
10. LINE	OFFICER SIGNATURE	I	11. TITLE		12. DATE			
Sarch Laplut			De	P District Ranger	12.18.15			

Previous edition is obsolete

(over)

District Ranger

(7.18.17

High Digra On-High Lay Vehicle Programs

USDA	U.S. Department of Agriculture	1. WORK PROJECT/ACTIVITY		2. LOCATION	3. UNIT		
20.580	Forest Service .	Snag awareness		Sierra National Forest	High Sierra RD		
(UAS)	JOB HAZARD ANALYSIS (JHA)	4. NAME OF ANALYST		5. JOB TITLE	6. DATE PREPARED		
References-FSH 6709.11 and -12 (Instructions on Reverse)		Raul Moreno Jr.		Assistant Manager, OHV	12/03/2015		
	7. TASKS/PROCEDURES	8. HAZARDS	9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * F				
SNAG AWARENESS Green Trees- root rot, strong wind, rotor wash, ground saturated, species, size, weakend top(dead) Fire Damaged Trees- species, size, soundness, rolling rocks or logs from above, dead limbs, direction of lean, wind direction and velocity Dead Trees- snag patches(bug kill and frost kill), direction			Hard hat with PPE must be warn when scout out work areas. Be alert for environmental conditions that could increase risk of falling trees (strong/gusty winds, steep slopes etc.). If an identified tree cannot be safely removed from a work area and it presents a hazard, the area will be flagged off at a safe distance and an alternate mitigation used. Communicate the identified hazard, move to a safe area. Identify lean, limb weight, size, loose limbs and or bark, dead tops in green trees, direct crews away from snag patches. Leave good spacing between snags (two and a half times the height of the tree).				
10. LINE (OFFICER SIGNATURE CORPLET	=	11. T	TLE ♥ District Ranger	12. DATE		
Previous	edition is obsolete		(over)				

U.S. Department of Agriculture	1 WOR	K PRO JECT/ACTIVITY		2. LOCATION		3. UNIT	
Forest Service	1. WORK PROJECT/ACTIVITY Campsite Selection			Sierra National Forest		High Sierra R.D.	
JOB HAZARD ANALYSIS (JHA) References-FSH 6709.11 and -12 (Instructions on Reverse)		E OF ANALYST		5. JOB TITLE Wilderness Ranger		6. DATE PREPARED 03/2016	
7. TASKS/PROCEDURES		8. HAZARDS	9. ABA Engine	TEMENT ACTIONS ering Controls * Substitution * Adminis	titution * Administrative Controls * PPE		
		Rock slides/avalanches		Don't camp below boulder fields, or areas of known or possible rock slides			
Campsite Selection (H&SCH p. 50-51 spikecamp selection)		Unsound trees or limbs falling See publication: Minn.Depart. of Nat,. Res. & USDA Forest Service. 1996. How to Recognize Hazardous Defects In Trees. USDA Forest Service NA-FR-01-96	Know how to identify hazard trees. Inspect campsite for hazard trees. Look for: a. Dead wood and/or branches b. Cracks or deep splits in the tree c. Weak branch unions / Split tops d. Decay / Fungus e. Cankers f. Root problems / Soil lifting g. Disease or insect damage h. Poor tree architecture Don't camp under or near trees that havve been determined to be hazardous				
		Flooding (H&SCH p. 50-44)	swells	Choose a site above creek high water mark; stay out of dry creek beds, swells or depressions			
		No or poor radio reception	Avoid camping in areas with no radio contact with dispatch Perform a radio check with dispatch and know where you have radio contact before an emergency happens Inform dispatch if you will be in a "dead zone" and plan your next radio chec with them Make sure everyone knows how to operate the radio Always have extra batteries			e you have radio contact an your next radio check	
		Contaminated Water	Choos	Choose a camp with available water source nearby. Consider all undeveloped water sources unsafe for drinking and either boil the water for 5-10 minutes or use a water purifier that removes particles 1			
		(H&SCH p. 50-55) Poor sanitation	microi Wash	micron or less in diameter Washing for general health, and help prevent food poisoning from			
		Dehydration	Carry Don't Drink	contamination. Carry water and water purifier. Don't wait until thirsty to drink, by then probably already dehydrated Drink water throughout the day; urination should be occurring at least every 2 hours to be considered hydrated.			
		Bear Visits	Bears use p	Bears are attracted to food, dirty pots/pans and garbage. Keep a clean camp, use proper storage techniques/containers. Set up sleeping areas at least 100 ft. From where food and kitchen is stored. Don't eat in or around sleeping			
		(H&SCH p. 50-29)	area, and store toiletries such as toothpaste, soap, chapstick and deodorants with the food as well.				
10. LINE OFFICER SIGNATURE		~	11. TI	TLE strict Ranger		12. DATE 4.11.16	
Previous edition is obsolete	(0	ver)	M				