

U.S. Department of Agriculture Forest Service	1. WORK PROJECT/ACTIVITY Fieldwork	2. LOCATION Grand Rapids, MN	3. UNIT 4101/4351
JOB HAZARD ANALYSIS (JHA) References-FSH6709.11 and -12 (Instructions attached)	4. NAME OF ANALYST	5. JOB TITLE	6. DATE PREPARED
7. TASKS/PROCEDURES	8. HAZARDS	9. ABATEMENT ACTIONS Engineering Controls * Substitution * Administrative Controls * PPE	
Driving Woods Roads Walking in the Woods Plot measurements	Poor road conditions Adverse Weather Tripping Hypothermia Dehydration/heat exhaustion Ticks Bear encounter Sun exposure Snags/deadheads/dead branches Poison Ivy Stinging Nettle Hunters	See these detailed JHAs for Abatement Actions pertaining to: 1) Vehicle Travel 2) Weather 3) Dehydration 4) Ticks 5) Plants/Animals High top leather boots are recommended. Take extra time moving through uneven terrain, fallen logs, wet or slippery substrate. Lift with the legs, not the back. Exercise caution in dense undergrowth. Sunglasses or protective eyewear are recommended. Be aware of your surroundings, look up besides down for overhanging hazards. Wear appropriate head gear when necessary. Sign-out at the office and inform co-workers of itinerary before working in remote locations. Work in pairs or carry a walkie-talkie or phone. Carry emergency/ first aid supplies, maps, and compass. Be aware of hunting seasons and activity. Wear blaze orange clothing during small and large game seasons. Sun screen, long sleeve shirts, and pants are recommended for sun protection. In cold weather, it is recommended to wear warm hat, dress in layers, drink water, and protect hands and feet, and to avoid exhaustion, pace your activity level.	
10. LINE OFFICER SIGNATURE	11. TITLE		12. DATE

JHA Instructions (References-FSH 6709-11 and .12)

The JHA shall identify the location of the work project or activity, the name of employees(s) writing the JHA, the date(s) of development, and the name of the appropriate line officer approving it. The supervisor acknowledges that employees have read and understand the contents, have received the required training, and are qualified to perform the work project or activity.

Blocks 1, 2, 3, 4, 5, and 6: Self-explanatory.

Block 7: Identify all tasks and procedures associated with the work project of activity that have potential to cause injury or illness to personnel and damage to property or material. Include emergency evacuation procedures (EEP).

Block 8: Identify all known or suspect hazards associated with each respective task/procedure listed in block 7. For example:

- a. Research past accidents/incidents
- b. Research the Health and Safety Code, FSH 6709.11 or other appropriate literature.
- c. Discuss the work project/activity with participant.
- d. Observe the work project/activity.
- e. A combination of the above.

Block 9: Identify appropriate actions to reduce or eliminate the hazards identified in block 8. Abatement measures listed below are in the order of the preferred abatement method:

- a. Engineering Controls (the most desirable method of abatement). For example, ergonomically designed tools, equipment, and furniture.
- b. Substitution. For example, switching to high flash point, non-toxic solvents.
- c. Administrative Controls. For example, limiting exposure by reducing the work schedule; establishing appropriate procedures and practices.
- d. PPE (least desirable method of abatement). For example, using hearing protection when working with or close to portable machines (chain saws, rock drills, portable water pumps).
- e. A combination of the above.

Block 10: The JHA must be reviewed and approved by a line officer. Attach a copy of the JHA as justification for purchase orders when procuring PPE.

Blocks 11 and 12: Self-explanatory.

Emergency Evacuation Instructions (Reference FSH 6709-11)

Work supervisors and crew members are responsible for developing and discussing field emergency evacuation procedures (EEP) and alternatives in the event a person(s) becomes seriously ill or injured at the worksite.

Be prepared to provide the following information:

- a. Nature of the accident or injury (avoid using the victim’s name).
- b. Type of assistance needed, if any (ground, air, or water evacuation).
- c. Location of accident or injury, best access route into the worksite (road name/number), identifiable ground/air landmarks.
- d. Radio frequency(s).
- e. Contact person.
- f. Local hazards to ground vehicles or aviation.
- g. Weather conditions (wind speed & direction, visibility, temperature).
- h. Topography.
- i. Number of person(s) to be transported.
- j. Estimated weight of passengers for air/water evacuation.

The items listed above serve only as guidelines for the development of emergency evacuation procedures.

JHA and Emergency Evacuation Procedures Acknowledgment

We, the undersigned work leader and crew members, acknowledge participation in the development of this JHA (as applicable) and accompanying emergency evacuation procedures. We have thoroughly discussed and understand the provisions of each of these documents:

SIGNATURE	DATE	SIGNATURE	DATE