

Identify Hazards		Assess Hazards			Risk Control Options	Residual Risk			Decision	Implement
7. Task	8. Hazard	9.. Hazard Probability	10. Severity	11. RAC	12. Identify hazard mitigations & measures (press [alt + enter] to add a line)	13. Hazard Probability	14. Severity	15. RAC	16. Task Necessary?	17. Hazard Control Assigned to:
All Incident Operations	Hit by Tree/Snag/Branch	Likely	Critical	Extremely High	Continue to assign fallers to remove snag hazards on incident roads and other fire impacted areas where firefighters are working. Continue to monitor for changes. Follow "Hazard Tree Safety" guidelines, IRPG pages 22 & 23. Post lookouts, or use a spotter in mop-up areas with personnel. Don't park vehicles or take breaks in high concentrations of hazard trees. Check sleeping areas and camp areas for hazard trees. Establish trigger points for disengagement during high wind events.	Possible	Critical	High	YES	All incident personnel
Transportation - Ground	Motor Vehicle Accident	Likely	Critical	Extremely High	Drive with lights on, do not use cell phones while driving. Slow down in smoke and congested areas. Use spotter for backing. Wash Windshields. Utilize spike camps to reduce driving.	Possible	Critical	High	YES	All incident Personnel
All Incident Operational Tasks	Entrapment - Rapid Change in Fire Behavior	Possible	Critical	High	Monitor Weather for any changes that may influence fire behavior in high potential areas of fire spread. Identify escape routes and safety zones. Continually evaluate your location relative to your safety zones.	Possible	Critical	High	YES	All Operational Personnel
Aerial Retardant	Hit by Water/Retardant /Debris	Possible	Critical	High	Ensure early communications with air attack and/or lead planes or tanker pilots. Let ground resources know when there is an airtanker inbound. Ensure approach and departure, and line is clear of personnel and equipment. Inform ATGS, ASM/LP, or pilot when drop area is clear.	Unlikely	Critical	Moderate	YES	Division/Single Resource Boss
All Incident Operational Tasks	Medical - Heat Related Illness	Possible	Critical	High	Monitor Heat Index, extend rest breaks during heat of day for core body temperatures to reduce. Ensure adequate hydration and frequent breaks are taken during the warmest part of the day. Utilize electrolyte replacement as needed.	Unlikely	Critical	Moderate	YES	All Incident Personnel
All Incident Operational Tasks	Allergic Reaction - Insects	Possible	Critical	High	Be aware of crew members with allergies to bees. Perform daily self inspections. Use repellent as necessary. Inspect tents and sleeping bags for spiders and other insects. Carry EPI kits if there is a known allergy. Consume food items in vehicles or enclosed spaces.	Possible	Moderate	Moderate	YES	All Incident Personnel
All Incident Operational Tasks	Chainsaw - Laceration	Possible	Critical	High	Know where your bar tip is at all times. Watch for kickback when bucking and falling. When swamping with saw teams know where your swayers exit point is. Wear leather gloves when sharpening chains. Use chain guard when hiking. Ensure chain has come to stop before moving.	Possible	Moderate	Moderate	YES	Individual
All Incident Operations	Medical - Patient Evacuation Delay, ALS Delayed	Possible	Critical	High	Plan to utilize air medical transport if air extraction if possible and appropriate. Medical transport by ground transportation could be delayed by blocked roads and fire activity. Reference medical ground evacuation map and plan accordingly. Ensure a plan is in place before engaging with prolonged evacuation time and benefit vs risk analysis has been completed.	Unlikely	Critical	Moderate	YES	All incident Personnel
All Incident Operations	Hit by rolling material in steep terrain.	Possible	Critical	High	Post lookouts. Don't allow personnel above working equipment or crews. Provide adequate spacing between equipment and crew members. Communicate known hazards.	Unlikely	Critical	Moderate	YES	All incident Personnel
All Incident Operations	Poor Radio Communications	Possible	Critical	High	Ensure communications are established for work locations. If not utilize human repeaters to ensure communications back to ICP. Know communication plan prior to operational engagement and confirm incident personnel have appropriate frequencies.	Unlikely	Critical	Moderate	YES	All Incident Personnel
All Incident Operations	Smoke Inhalation	Likely	Moderate	High	Reduce work intensity to reduce breathing and heart rates. Take longer breaks and in vehicles with A/C on recycle air. Or Take breaks in buildings. Rotate crews as much as possible to clean air after prolonged time in unhealthy areas.	Likely	Negligible	Moderate	YES	All Incident Personnel
All Incident Operations	Allergic Reaction - Plants	Possible	Critical	High	Avoid poison oak patches if possible. Educate personnel on identification of plants in the sumac family. Perform daily self inspections. Use Technu or other similar products and communicate with medical for skin irritations.	Possible	Moderate	Moderate	YES	All Incident Personnel
Bucket Work	Hit by Water/Falling debris	Possible	Critical	High	Provide target descriptions using clock position from pilots perspective. Know pilots intentions prior to the drop. Clear area to avoid direct flights over ground personnel. Identify any hazards that may be impacted by helicopter or bucket and provide references to pilot.	Unlikely	Critical	Moderate	YES	Division/Single Resource Boss
Driving	MVA - Wildlife & Livestock	Likely	Moderate	High	Slow down at night and expect animals in the road. Deer are prevalent in this area. Use high beams when possible in low light conditions.	Possible	Moderate	Moderate	YES	All Incident Personnel
Firing Operations - Ground	Equipment - Burn by Firing Device	Possible	Critical	High	Only personnel trained in use of each device will be authorized to use firing equipment. Ensure caps on drip torches are tight. Ensure personnel keep flames away from face and keep torches and other devices aimed away from body.	Unlikely	Critical	Moderate	YES	Division/Single resource boss
Line Construction	Entrapment - Rapid Change in Fire Behavior	Possible	Critical	High	Share weather observations with all personnel assigned to division. Monitor current weather conditions and forecasts and make sure all personnel receive thorough briefings every shift. Maintain adequate escape routes and safety zones and advise all personnel if these are compromised or changed. Set trigger points when appropriate. Adhere to 10 Std Orders, mitigate 18 situations and maintain Situational Awareness.	Unlikely	Critical	Moderate	YES	ALL LINE PERSONNEL

Patrol/Secure Fires Edge, Mop-up	Burns - Ash Pit/Stump Holes	Possible	Moderate	Moderate	Identify areas with possible Ash pits or stump holes. Use caution when mopping up around - Wear all PPE as designed and gloves.	Possible	Moderate	Moderate	YES	Individual
All Incident Operational Tasks	Exposure to COVID-19	Possible	Moderate	Moderate	Consider signs and symptoms when interacting with individuals. Practice social distancing. Utilize face coverings when unable to social distance or inside ventilation is poor. Clean and disinfect surfaces that may have been potentially contaminated. Report to Supervisor immediately if feeling ill. Vaccination is highly recommended.	Unlikely	Moderate	Low	YES	All Incident Personnel
All Incident Operations	Human Factors - Fatigue & Overexertion	Possible	Moderate	Moderate	Ensure 2:1 ratio is followed. Monitor conditions of crew members. Take breaks as necessary. Maintain good hygiene and eating habits. Ensure adequate rest during off time. Avoid use of energy drinks.	Unlikely	Moderate	Low	YES	All Incident Personnel
Chainsaw Operations	Chainsaw - Geysering	Possible	Moderate	Moderate	Make sure eye protection is in place before opening. Allow chainsaw to cool down prior to opening fuel cap. Be cautious when opening fuel cap if saw is running poorly or suspected vapor lock. Check fuel level through site glass or gauge fuel level based on bar oil use. If fuel level over 1/2 full do not open before saw has cooled down.	Unlikely	Moderate	Low	YES	Individual
Line Construction	Equipment - Crushed by Heavy Equipment/Rollover	Possible	Moderate	Moderate	Ensure communications are established with operators. Make positive contact with operator before approaching. Use hand signals if other communications are unavailable. Maintain a 50'-100' exclusion area around equipment. Use a spotter when backing, qualified operators, and appropriate overhead. Close roads or trails if necessary for public safety. PPE including hearing protection. Maintain safe working distance from equipment.	Possible	Negligible	Low	YES	DIVISION
Line Construction All	Slips/Trips/Falls - Steep Terrain, Unstable Surface	Possible	Moderate	Moderate	Utilize Type I Crews where appropriate and available. Follow "Look Up, Look Down, Look Around" procedures on Topography (IRPG p. 3-4). Stagger crew position on slope to not align up vertically. Place lookouts for rolling material.	Unlikely	Moderate	Low	YES	Individual
Patrol/Secure Fires Edge/Mop-up	Human Factors - Night Ops: Visibility, Fatigue	Possible	Moderate	Moderate	Ensure adequate and quality rest. Take frequent breaks. Scout work areas in daylight prior to engaging.	Unlikely	Moderate	Low	YES	Night Operations
Structure Protection	Hazardous Materials-Gas Utilities, Propane	Unlikely	Critical	Moderate	Review "Wildland Urban Interface Firefighting", IRPG page 12-16. Follow "HAZMAT Incident Operations" on pages 34-36 in IRPG.	Unlikely	Moderate	Low	YES	Division/Individual
Transportation - Ground	Equipment - ATV/UTV Rollover/loss of control	Possible	Moderate	Moderate	Only licensed personnel shall operate equipment. Wear proper helmet and seatbelts as required. Complete safety walk around on all ATV/UTV equipment before operations. Keep speeds reasonable and prudent for road conditions. Check ATV/UTV trailer and tow hitch prior to towing.	Unlikely	Moderate	Low	YES	Individual