

Risk Assessment Worksheet				1. Incident Name:		2. Location:				
3. Leaders Intent /Specific Objective: Provide for firefighter and public safety through hazard recognition and application of the risk management process.				4. Name and Title of Preparer: John Morlock, SOF2		5. Date Prepared: Friday, September 25, 2020				
6. Risk Decision Authority: For Incidents, Extreme Residual Risk after mitigations requires IC signature, High Residual Risk requires Operations Section Chief signature.								OPERATIONAL PERIOD 9-26-2020		
Signature:				Title:						
Identify Hazards		Assess Hazards		Risk Control Options		Residual Risk		Decision	Implement	
7. Task	8. Hazard <small>Red Text Indicates Injury/ Accident- Blue Near Miss/Close Call</small>	9. Hazard Probability	10. Severity	11. RAC	12. Identify Hazard Mitigations	13. Hazard Probability	14. Severity	15. RAC	16. Task Necessary?	17. Hazard Control Assigned to:
Driving/Vehicle	MVA- All Causes (visibility, other vehicles, wildlife, pedestrians, bicycles, road surface, livestock)	Likely	Critical	Extremely High	Establish spike camps near fire operations to minimize driving. Adhere to Incident Driving Policy, Work Rest Policy, Vehicle Readiness (windows clean, use of lights day/night, seatbelt use), frequent breaks during long drives, follow Duty Day Limitations, obey posted speed limits, use of backers.	Possible	Critical	High	YES	All Drivers Division Supervisor
Aviation Operations	Drone Intrusion	Possible	Catastrophic	Extremely High	If you see a drone, make proper notifications to supervisor and or air attack	Unlikely	Catastrophic	High	NO	DIVS/ASGS
Aerial Retardant/ Bucket Work/Water Scooper	avoidance of public in lake/river/water source	Possible	Catastrophic	Extremely High	Ensure area is clear from public utilizing the direct path where scooper or helicopter will be filling/dipping, possibly close access to fill site.	Unlikely	Critical	Moderate	YES	Air Ops Supervisor/Division Supervisor
Night Medevac	Human Factors - Night Ops: Visibility, Fatigue	Unlikely	Catastrophic	High	Plan for night medevac operations by ensuring strobes, glow sticks, and headlamps are checked and in working order and adequate batteries are available. Confirm that no aerial hazards such as powerlines exist in the immediate area of any potential hoist operations. Identify height of surrounding timber for pilots. Any nighttime medevac operation is considered high risk, refer to Helicopter LZ Brief and MIR Report to be communicated to pilots and paramedics.	Unlikely	Catastrophic	High	YES	Division Supervisor Air Operations Air Support Safety Officers
Conducting Medevac Operations	Aircraft Mishap - Communications	Unlikely	Catastrophic	High	Refer to aviation (blue) and emergency medical care (pink) sections of the IRPG, especially pages 50, 52, 54, 116-117, review and train on the Helicopter LZ Brief to improve communications between ground and pilots.	Unlikely	Catastrophic	High	YES	Division Supervisor Safety Officers
Provide for Public Safety	Personel Injury/Public	Possible	Critical	High	Continue public road closure(s) and or Forest or area Closures, continue public notifications thru PIO & agency PAO about closed areas, utilize LE to ensure public does not enter closed areas, swing gates as needed, continue incident signing on roads open to the public about hazards the public could encounter.	Unlikely	Critical	Moderate	YES	Division Supervisor LOFR LE
Mop Up/ Secure Line/ Fire Suppression Rehab	Hit by Rolling Material in Steep Terrain/tree/snag/branch	Possible	Critical	High	Identify snags and hazard trees, flag or otherwise indicate, fell HT's as necessary, communicate hazard, evaluate the need to work in or around snags or hazard trees, consider heavy equipment use, consider use of qualified fallers or falling teams, utilize blasting to mitigate HT's as needed. Refer to the IRPG page 86 working with heavy equipment, and page 22 hazard tree safety. Post lookouts, don't work above others on a slope, maintain crew spacing, communicate hazard	Unlikely	Critical	Moderate	YES	Division Supervisor
All Incident Operational Tasks	Human Factors - Experience & Training	Possible	Critical	High	Every firefighter has a responsibility to speak up if they become aware of anyone else in their group performing in an un-safe manner. Our rules exist for a reason and many are "written in blood". Failure to speak up removes the margin of safety that may be the only thing preventing an accident or bad outcome. Uphold the trust leadership places in you. Ensure personnel are qualified for tasks or assignments, if not provide a qualified trainer. Ensure supervisors are actually supervising jobs/tasks/duties.	Unlikely	Critical	Moderate	YES	All personnel
Transportation - Ground	Slips/Trips/Falls	Likely	Moderate	High	Communicate hazards while hiking, watch footing while on steeper ground, minimize working above others while on slopes.	Possible	Moderate	Moderate	YES	Division Supervisor
All Incident Operational Tasks	Medical - Patient Evacuation Delay, ALS Delayed	Possible	Critical	High	Utilize air medical transport if appropriate & necessary. Utilize REM if available and as appropriate, Utilize UTV's as needed, Consider aviation resources including hoist / short haul and the possibility of aircraft UNAVAILABILITY, use Ready Alert aircraft or dedicated medevac aircraft, or hospital based air medical resources as available. Refer to IRPG page 2 Planning for Medical Emergencies. Review Short Haul and hoist procedures, conduct planning for night time medevacs.	Unlikely	Critical	Moderate	YES	Division Supervisor
All Incident Tasks	Allergic Reaction - Bees, Scorpion, Snakes, Red Ants	Possible	Critical	High	Identify individuals with known allergic reactions, make epipen locations known, communicate and flag known bee locations. ID and coord with ALS available on division.	Unlikely	Critical	Moderate	YES	Division Supervisor
Saw Operations	Chainsaw - Laceration	Possible	Critical	High	Refer to IRPG page 105 Emergency Medical Care Guidelines, and page 85 Procedural Felling, use only qualified sawyers, use swampers as necessary, continually evaluate sawyer/swamper spacing, constantly evaluate kickback potential, ensure first aid/trauma kit is readily available where saws are being used, use full PPE.	Unlikely	Critical	Moderate	YES	Crew Supervisors Sawyers Division Supervisors
Saw Operations	Fuel Gysering	Possible	Critical	High	Review current safety recommendations about fuel gysering causes and cover the fuel cap before loosening or removing the fuel cap to prevent being sprayed with fuel. Do not open fuel caps near hot material which could ignite vapors and cause burns. Use caution if using non compliant fuel containers due to equipment shortages (PL-5)	Unlikely	Critical	Moderate	YES	All sawyers/swampers
Transportation - Ground	Equipment - ATV/UTV Rollover	Possible	Critical	High	Evaluate if the need for UTV/ATV use is justified, utilize certified operators, ride at reasonable and prudent speeds, DOT approved helmet will be worn while riding, driving, or as a passenger in/on all UTV's & ATV's, no exceptions for slow speeds, in camp use, covid 19, no cross country travel and cross slopes which increase rollover potential.	Unlikely	Critical	Moderate	YES	UTV /ATV Driver/Operator Division Supervisor
Aviation Operations	Aircraft Mishap - General	Rare	Catastrophic	Moderate	Refer to IRPG page 62, Agency Aviation Mishap Plan.	Rare	Catastrophic	Moderate	YES	Division Supervisor
Aerial Retardant/ Bucket Work/Water Scooper	Hit by Water/Retardant	Unlikely	Critical	Moderate	Ensure line/area is cleared prior to water/retardant drops, provide immediate feedback to pilots as to drop effectiveness and location, maintain positive communications with ATGS, pilot, evaluate potential for tree tops to be broken off by drops or entire trees to be knocked down by drops, refer to IRPG page 57-61 in the blue section.	Unlikely	Critical	Moderate	YES	Division Supervisor
Provide for Public Safety	Public Evacuation	Unlikely	Critical	Moderate	Implement RSG thru County Emergency Management/ LE	Unlikely	Critical	Moderate	YES	Division Supervisor LOFR
Change in Commo plan	Lack of commo or no commo due to transition or new clone	Possible	Moderate	Moderate	Relay during briefing of changes, confirm and perform communications checks	Possible	Negligible	Low	YES	COML, DIVS, Crew supervisors
All Operational Tasks/IA	Smoke Related	Possible	Moderate	Moderate	Avoid smoke where possible, rotate crews out of smoke where possible, if using Engines use foam to knock down smoke before mop up. Monitor smoke impacts to roads and local communities. IRPG page 30-31, order ARA as needed, IMT to utilize roadway response plan (RRP).	Possible	Moderate	Moderate	YES	All Supervisors Safety Officers
Remote/Line Spike/Dispersed Camping	Bears/Wildlife	Unlikely	Critical	Moderate	Refer to IRPG page 95-96 for line spike, follow bear etiquette while dispersed camping, backhaul all trash daily, utilize game & fish who can capture or tranquilize bears as needed. Consider breaking camp down daily to minimize encouraging coyotes / bears to visit our sleeping areas. Continue to provide feedback to safety officers during briefings and meetings about coyote / bear or other wildlife sightings, observed animal behavior, and encourage other mitigations from anyone assigned to this fire.	Unlikely	Critical	Moderate	YES	Division Supervisor
Structure Protection	Exposure to Toxic products of combustion/Electrocution/Explosions	Unlikely	Critical	Moderate	Review structure protection principles and watch outs, implement LCES and review of the 10/18, review specific risk assessment for structure protection operations.	Unlikely	Critical	Moderate	YES	Division Supervisor
All Incident Tasks	Exposure to COVID-19	Possible	Moderate	Moderate	Practice social distancing, if not possible wear masks, wash hands frequently, adhere to <i>modèle as one</i> concept, ensure adequate rest, clean and disinfect surfaces that may have been potentially contaminated. Report to supervisor immediately if feeling ill, PIO's refer to NIMO PIO Risk assessment. IMT refer to NIMO flow chart on COVID 19 for ill individual who presents w/ symptoms, refer to Daily Self Assessment for covid/ self checks, refer to updated risk assessment (August 2020) for agency administrators to evaluate covid 19 risk on fire assignments.	Possible	Moderate	Moderate	YES	All personnel COVID Coordinator
Mop Up/ Secure Line/ Fire Suppression Rehab	Burns - Ash Pit/Stump Holes	Unlikely	Critical	Moderate	Identify areas where ash pits are more common and probe that area prior to foot travel (dozer berms, deep duff areas in timber, washes/drainages with woody debris).	Rare	Critical	Moderate	YES	Division Supervisor
Scouting/Monitoring/Recon - Ground	Mines - Open Shafts/Audits	Possible	Moderate	Moderate	Refer to operations map for areas known to have mining history, avoid any obvious mining structures, shafts or audits, not all mines are identified. Report any specific mine locations through Collector, report to DIVS, or safety officer.	Possible	Moderate	Moderate	YES	Division Supervisor