

Risk Assessment Worksheet		1. Incident Name: Summit Trail Fire			2. Incident Number: WA-COA-200087/PAN5TC (1522)					
3. Operational Period: Day Shift 0600- 2200		4. Prepared by: (Safety Officer Signature & Date) Elliot Pickett SOF2, Ryan Romero SOF2(T) September 5, 2021			5. Reviewed by: (Operations Section Chief Signature & Date) /s/ Shilow Norton OPS 2					
<p>Red Text is newly added item (48 hrs.) or significant changes. Blue Text indicates a Near Miss/Close Call Incident.</p> <p>6. Risk Decision Authority: The risk decision authority block should be signed after the worksheet is completed. Incident Commanders Type 3 and higher or Agency Administrators should sign the Risk Assessment in block 6.</p>										
Signature:		Title:			Date: 6-Sep-21					
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:
Operational tasks in remote locations	IWI - Patient Evacuation delay, ALS delay	Possible	Catastrophic	Extremely High	Utilize air medical transport if appropriate especially for RED and YELLOW IWI, Use P.A.C.E model for transportation planning utilizing the ICS206 medical plan. LEADERS INTENT: HAVE PLANS THAT KEEPS PATIENT MOVING TO DEFINITIVE CARE.	Possible	Critical	High	YES	Medical Section
Operational tasks on slopes	Rock and Log Roll Out Potential	Possible	Catastrophic	Extremely High	Create avoidance areas for personnel especially when working around equipment. EXPECT THAT ROLLOUT OF ROCKS AND TREES MAY TRAVEL A SIGNIFICANT DISTANCE DOWNHILL.	Possible	Critical	High	YES	All Operational Personnel
All Incident Operational Tasks & IA	Entrapment - Any Cause	Possible	Catastrophic	Extremely High	Ensure 10- 18 are reviewed, ensure LCES is reviewed and in place.	Unlikely	Catastrophic	High	YES	All Operations Personnel
Driving/Vehicle	Motor Vehicle Accidents All Causes	Possible	Critical	Extremely High	Adhere to state and local traffic laws . Dust abatement on dusty roads. Heads up for wildlife. Pay attention to vehicle parking areas and travel routes. Expect that hazard trees will travel downhill after felled. Refer to IRPG page 85. ASSESS WORK, TRAVEL AREAS FOR HAZARD TREES, MITIGATE AS NEEDED	Unlikely	Critical	Moderate	YES	All Incident Personnel
Helicopter and Fixed Wing Operations	Aircraft Mishap - General	Unlikely	Catastrophic	Extremely High	Missions need to be Specific and meet incident objectives. Ensure ground resources are clear of retardant and water drops. Review and apply IRPG Aviation pages. (Blue section) Ensure positive communications.	Rare	Catastrophic	Moderate	YES	All Operational Personnel
Communications	Poor communications due to large geographic divisions	Likely	Critical	Extremely High	Be aware of areas on the fireline where transmitting and/or receiving is difficult or impossible. Use human repeaters. Ensure LCES, FIRE ORDERS 7, 8, 9, USE HUMAN REPEATERS TO MITIGATE COMMUNICATIONS ISSUES	Possible	Moderate	Moderate	YES	Operational Personnel
All Incident Operational Tasks	Bees, Yellow jackets	Likely	Moderate	High	Identify individuals with known allergic reactions, flag hives and nests. Use the IWI process. Use bee and yellow jacket traps around camp.	Possible	Moderate	Moderate	YES	All Operational Personnel
Saw Operations	Felling trees and brushing	Possible	Critical	High	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. FIRE ORDER 9	Unlikely	Critical	Moderate	YES	Operational Personnel
Indirect Line Construction - Mechanical	Personal injury	Possible	Critical	High	Refer to IRPG page 86. Utilize spotters and HEQB to coordinate.	Unlikely	Critical	Moderate	YES	All Operational Personnel
Firing Operations - Ground	Burns - Entrapments	Possible	Critical	High	Ensure briefing is held with all resources involved. Adhere to principles of LCES/10 fire orders and 18 watch outs.	Unlikely	Critical	Moderate	YES	Operational Personnel
Point Protection / Structure Protection	Electrocution - Power lines	Unlikely	Critical	High	Review IRPG page 12 for WUI mitigations and page for 24 for powerline mitigations.	Unlikely	Moderate	Moderate	YES	Division Supervisors
Point Protection / Structure Protection	Explosion - Gas Utilities	Unlikely	Critical	High	Review IRPG page 12 thru 16 for mitigations	Unlikely	Moderate	Moderate	YES	Division Supervisors
Point Protection / Structure Protection	Hazardous Materials	Unlikely	Critical	High	Review IRPG page 30 for smoke mitigations. (Assumption that Haz-Mat is in normal residential quantities)	Unlikely	Moderate	Moderate	YES	Division Supervisors
Transportation - Ground /ATV	Human Factors - Experience & Training	Possible	Critical	High	Evaluate if UTV use is justified (utilize Risk Assessment Tool card (RAT Card). Utilize trained and certified drivers only, drive at reasonable and prudent speeds, follow your agency policy regarding PPE use to minimize injury potential, avoid driving or riding on public roads which increases the possibility of an accident. Reference Chapter 14 of the 2021 Red Book page 310, UTV head protection for wildland fire operations.	Unlikely	Critical	Moderate	YES	UTV / ATV operators Division Supervisors
Transportation - Ground - UTV/ATV	UTV/ATV Rollover / Accident	Possible	Critical	High	Maintain overall weight within manufactures limits, do not overload UTV. Avoid aftermarket roof racks that change the C/G of vehicle. Conduct daily PM checks (T-CLOC). Only qualified operators to drive UTV's. Operate within your skill limits. Drive at reasonable speeds and avoid travel on side slopes.	Unlikely	Critical	Moderate	YES	UTV Operators
Firing Operations - Ground	Burns-Flammable/Combustible Liquids	Possible	Critical	High	Ensure any burning operations include a safety briefing on drip torch's and recent burn injuries resulting from incompatible drip torch components.	Unlikely	Critical	Moderate	YES	Division Supervisors, Firing Bosses
Provide for Public Safety	Personal Injury	Likely	Negligible	Moderate	Expect to interact with public and hunters even in closure areas. Communicate clearly and courteously. Contact Team Liaisons, Safety Officers, and Security when necessary.	Likely	Negligible	Moderate	YES	All Personnel
All Incident Operational Tasks	Overexertion and fatigue/ dehydration	Possible	Moderate	Moderate	Ensure proper diet w/ appropriate hydration. Hydrate with 3 waters to 1 electrolyte replacement. Obtain quality rest to the best extent possible. Supervisors should provide strong leaders intent about work to rest management.	Possible	Moderate	Moderate	YES	All Operational Personnel
Mop Up/ Secure Line	Burns /Ash Pits/Stump Holes/ Fire weakened trees	Possible	Moderate	Moderate	Only mop up and secure fire that is a threat to fire perimeter. Wear PPE that is appropriate to the task at hand. Review IRPG Look, Up, Down, Around (pg.3)	Possible	Moderate	Moderate	YES	All Operational Personnel
Operational tasks	Slips/Trips/Falls	Possible	Moderate	Moderate	Consider footing and trip hazards as well as routes of travel. Spacing while hiking, avoid working others.	Possible	Moderate	Moderate	YES	All Operational Personnel
All Incident Operational Tasks	Medical - Hygiene, Illness, Disease	Possible	Moderate	Moderate	Refer to CDC recommendations about COVID-19, norovirus, strep throat, etc. Maintain good or better personnel hygiene, coordinate with county health departments as needed. Refer to SWA Team 4 Infectious Disease Plan.	Possible	Moderate	Moderate	YES	All Personnel Medical Unit
All Incident Operational Tasks & IA	Wildlife Encounters	Possible	Moderate	Moderate	Potential for dangerous encounters with bears, moose, or mountain lions. Secure all food in and around camps, do not have food in tents. BACK HAUL TRASH DAILY. If encountering wildlife move out of area immediately. Consider ordering bear spray for trained individuals.	Unlikely	Moderate	Low	YES	All Operational Personnel
Communication Unit WX Updates	Unable to copy critical weather updates for significant rain, high winds and thunderstorms	Possible	Moderate	Moderate	Obtain accurate and timely information from the IMET. For lightning and thunderstorms refer to IRPG page 21. Establish predetermined trigger points, rendezvous locations, and positive communication for accountability.	Unlikely	Negligible	Low	YES	Operational Personnel
All Incident Operational Tasks	Human Factors - Experience and shortage of middle management	Possible	Moderate	Moderate	Ensure personnel are qualified for tasks or assignments, if not provide a qualified trainer. Order personnel and place in positions strategically.	Unlikely	Moderate	Low	YES	Division Supervisors
All Operational Tasks	Complacency leading to accident or injury	Possible	Moderate	Moderate	Leaders: Provide clear leader's intent that communicates, and supports the Incident Objectives. Followers: Continually assess the assigned tasks and watch out for deviation or mission creep. Conduct tactical pauses and AARs especially where there is loss of mission focus.	Unlikely	Negligible	Low	YES	All Operational Personnel
All Incident Tasks	Allergic Reaction - Insects/Animals	Possible	Moderate	Moderate	Identify individuals with known allergic reactions, make epi-pen locations known, communicate and flag known bee locations. Watch for snakes in work, rest, and sleeping areas. Coordinate with ALS on your Division Supervisor.	Unlikely	Moderate	Low	YES	All Personnel Medical Unit
Provide for Public Safety	MVA-Visibility-Smoke	Unlikely	Critical	Moderate	Review IRPG page 31 for mitigations. Utilize other agencies for monitoring / signage. Coordinate with LE.	Rare	Moderate	Low	YES	LOFR
Provide for Public Safety	Smoke Inhalation	Unlikely	Moderate	Moderate	PIO messaging to include air quality concerns and public health information links to state and or county health departments about air quality resources.	Rare	Moderate	Low	YES	PIO
Road Grading	MVA - Equipment/Object in roadway	Unlikely	Moderate	Low	Brief all resources assigned to the operation work location. Drive defensively due to piles or uneven road surfaces from the grader. Proceed past grader only after making positive comms with the operator.	Rare	Moderate	Low	YES	All Operational Personnel
Initial Attack	Lack of IA resources/ Access / Egress	Unlikely	Moderate	Low	Utilize the risk management process (IRPG page 1), and determine the incident complexity (IRPG pages 10-11.) Pay attention to and address common tactical hazards (IRPG page 6). Ensure Coordination with all IMT sections commensurate with mobilizations. DRAW-D rules of engagement	Rare	Moderate	Low	YES	Operational Personnel