

Risk Assessment Worksheet			1. Incident Name: Summit Trail Fire			2. Incident Number: WA-COA-200087/PANSTC (1522)						
3. Operational Period: Day Shift 0700-2200			4. Prepared By (Safety Officer Signature & Date) Riley Mellett BOPPS, Ryan, Romero & Tom, Hickey BOPPS (17 September 21, 2022)			5. Reviewed By (Operations Section Chief Signature & Date) Shilow Norton OPS2 Doug Berg OPS2 (T)						
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.												
Signature:			Title:			Date:						
						12-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 mitigation & measures (leave last + enter to add a line)	13. Hazard Probability	14. Severity	15. RAC	16. Task Necessary	17. Hazard Control Assigned to:		
All Incident Operational Tasks & IA	Entrapment - Any Cause	Possible	Catastrophic	Extremely High	Ensure 1D-1B are reviewed, ensure LCES is reviewed and in place.	Unlikely	Catastrophic	High	YES	All Incident Personnel		
Operational tasks in remote locations	HW - Patient Evacuation delay, ALS delay	Possible	Catastrophic	Extremely High	Ensure air medical transport if appropriate especially for RED and YELLOW IWI. Use P.A.C.I. model for transportation planning utilizing the IC3206 medical plan. Leaders intent: Have plans that keeps patients moving to definite 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 runoff of rocks and trees may travel a significant distance downhill.	Possible	Critical	High	YES	All Operational Personnel		
Patrol/Secure Fires Edge/Mop-up	Hazard Tree Safety	Likely	Critical	Extremely High	Eliminate the Hazards with qualified sawyers, chainsaws, blowers, or heavy equipment. Avoid hazards by designating "no work zones" flag, sign, and map. When utilizing flagging circle entire area within collapse zone as to be avoided or restricted. (IRPG page 24-25)	Likely	Moderate	High	YES	All Operational Personnel		
Communications	Poor communications due to large geographic divisions	Likely	Critical	Extremely High	Be aware of areas on the firelines where transmitting and/or receiving is difficult or impossible. Use human repeaters. Ensure LCES, Fire Orders 7, 8, 9. Use human repeaters to mitigate communication issues.	Possible	Moderate	Moderate	YES	All Operational Personnel		
Driving /Vehicle	Motor Vehicle Accident All Causes; visibility, other vehicles, pedestrians, bicycles, wildlife, road surface, livestock.	Possible	Critical	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		
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	All Operational Personnel		
Firing Operations - Ground	Burns - Flammable/Combustible Equipt	Possible	Critical	High	Ensure any burning operations include a safety briefing on drip torch's and recent burn injuries resulting from inappropriate drip torch components.	Unlikely	Critical	Moderate	YES	All Operational Personnel		
Helicopter and Fixed Wing Operations	Aircraft Mishap - General	Unlikely	Catastrophic	High	Missions need to be specific and meet incident objectives. Ensure ground resources are clear of retardant and water drops and ingress/egress routes. Review and apply IRPG Aviation pages. (Blue section) Ensure positive communications.	Rare	Catastrophic	Moderate	YES	All Operational Personnel		
Line Construction-Mechanical Direct/Indirect	Personal injury	Possible	Critical	High	Refer to IRPG page 86. Utilize spotters and HEQB to coordinate.	Unlikely	Critical	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 resources are readily available where saws are being used, use full PPE.	Unlikely	Critical	Moderate	YES	All Operational Personnel		
Transportation - Ground UTV /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 210, 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 or ATV. Avoid aftermarket UTV roof racks that change the CG of vehicle. Conduct daily FM 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/ATV Operators Division Supervisors		
All Incident Operational Tasks	Overexertion and fatigue/ dehydration	Possible	Moderate	Moderate	Ensure proper diet w/ appropriate hydration. Hydrate with electrolyte replacement products like Drip Drop or Gatorade. 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		
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 personal hygiene, coordinate with county health departments as needed. Refer to SWA Team 4 Infectious Disease Plan.	Possible	Moderate	Moderate	YES	All Operational Personnel		
Heavy Equipment Logging/construction	Equipment: Crushed by Heavy Equipment/ Rollover / Hit By Flying Debris	Unlikely	Critical	Moderate	Assign HEQB to all heavy equipment, utilize Risk Assessment Tool card (RAT card), review IRPG page 86 for mitigations.	Unlikely	Critical	Moderate	YES	Heavy Equipment Boss Division Supervisor		
ICP or Evacuations	Hostile Individual	Rare	Critical	Moderate	Refer to Active Shooter Plan for Team 4, disengage and / or attempt to de-escalate situation.	Rare	Critical	Moderate	NO	All Incident Personnel		
Mop Up/ Secure Line	Burns /Ash Pits/Slump 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 (page 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 to close to others.	Possible	Moderate	Moderate	YES	All Incident Personnel		
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 Tasks	Allergic Reaction - Insects/Animals	Possible	Moderate	Moderate	Identify individuals with known allergic reactions, make open locations known, communicate and flag known bee locations. Watch for snakes in work, rest, and sleeping areas. Coordinate with AIS on your Division Supervisor.	Unlikely	Moderate	Low	YES	Medical Section		
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 treatment individuals.	Unlikely	Moderate	Low	YES	All 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 appropriately.	Unlikely	Negligible	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		
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	All Operational Personnel		
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	Liaison Officer		
Initial Attack	Lack of IA resources/ Access / Egress	Unlikely	Moderate	Low	Utilize the risk management process (IRPG page 11, and determine the incident complexity (IRPG pages 10-11). Pay attention to and address common tactical hazards (IRPG page 4). Ensure coordination/communication with all IMT sections.	Rare	Moderate	Low	YES	All Operational Personnel		
Provide for Public Safety	Smoke Inhalation	Unlikely	Moderate	Low	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	Public Information		
Road Grading	MVA - Equipment/Object in roadway	Unlikely	Moderate	Low	Brief all resources assigned to the operation work location. Drive defensively due to piles on uneven road surfaces from the grader. Proceed past grader only after making positive comms with the operator.	Rare	Moderate	Low	YES	All Operational Personnel		