



# Risk Assessment Worksheet

1. Incident Name:  
**Summit Trail Fire**

2. Incident Number:  
**WA-COA-200087/PAN5TC (1522)**

3. Operational Period:  
**Day Shift 0700-2200**

4. Prepared by: (Safety Officer Signature & Date)  
**Eliot Pickett SOF2, Ryan Romero & Chris Marks SOF2 (T) September 10, 2021**

5. Reviewed by: (Operations Section Chief Signature & Date)  
**Doug Berg OPS2 (t)**

Red Text is newly added item (48 hrs.) or significant changes. Blue Text indicates a Near Miss/Close Call incident.

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:  
**11-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:        |
| 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 Incident Personnel                 |
| 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. Leadres intent: Have plans that keeps patient 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 rollout of rocks and trees may travel a significant distance downhill.   | Possible               | Critical     | High     | YES                 | All Operational Personnel              |
| Communications                               | Poor communications due to large geographic divisions  | Likely                | Critical     | Extremely High | Be aware of areas on the fireline where trasmitting 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                 |
| 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 swamper 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                 | 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 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 or ATV. Avoid aftermarket UTV 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/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 <u>work to rest management.</u>                   | 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 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/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 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                            |
| Suppression Repair - Mechanical      | Hit by Rolling Material in Steep Terrain   | 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 | 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 | 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 trained 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 strategically.   | 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 1), and determine the incident complexity (IRPG pages 10-11.) Pay attention to and address common tactical hazards (IRPG page 6). Ensure coordination/communciation 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 or uneven road surfaces from the grader. Proceed past grader only after making positive commo with the operator. | Rare | Moderate | Low | YES | All Operational Personnel |
|--------------|-----------------------------------|----------|----------|-----|--|------|----------|-----|-----|---------------------------|