

 Operational Risk Assessment Worksheet	1. Incident Name: Calf Canyon	2. Incident Number: NM-SNF-000028
	3. Operational Period: 31-Aug-22	4. Prepared by: (Safety Officer Signature & Date) Eliot Pickett, SOF2, Ryan Romero SOF2, Josh Golstein SOF2 (T)

RM is a process that enables leaders to plan for and minimize risk while still accomplishing the mission successfully.

Near Miss - Close Call Totals: **Cumulative Totals for SW Team 4 total: 0** Injury/Illness Totals: **Cumulative Totals for SW Team 4 total: 0** Accident Totals: **Cumulative Totals for SW Team 4 total: 2**

Red text is newly added item (48 hour) or significant changes **Blue text indicates a near miss/close call incident.** **Trends:**

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	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	Ensure remote work has appropriate medical resources in the immediate area. Remove crews from areas when rainfall is observed above work areas in burn scars. Monitor the weather using lookouts, radar, and IMET.	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 Personal
Transportation - Ground	Collision with logging Trucks and other Vehicles	Possible	Catastrophic	Extremely High	Drive Safe speeds, Seat Belts required, Park away from activity. Keep windows clean and cleared, Keep safe following distance, Keep headlights on.	Possible	Critical	High	YES	Division Supervisor All Drivers
Weather - Flash Flooding	Working below fire scars, Thunderstorm rainfall, Debris Flows	Possible	Critical	High	Remove crews from areas when rainfall is observed above work areas in burn scars. Monitor the weather using lookouts, radar, and IMET.	Possible	Critical	High	NO	All incident personel
Communications	Poor communications due to large geographic divisions	Possible	Critical	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 communication issues.	Possible	Moderate	Moderate	YES	All Operational Personal
All Incident Operational Tasks	Hit by Tree/Snag/Branch	Possible	Critical	High	Communicate hazard tree/snag info when traveling around your division. Drop snags as needed if qualified sawyers are available and it is necessary. Use Risk Assessment Tool in daily safety message to evaluate your individual risk. Consider no work zones where hazard trees exist.	Unlikely	Critical	Moderate	YES	Division Supervisor
All Incident Operational Tasks	Weather - Flash Flooding	Possible	Critical	High	Obtain weather forecast. Observe sky weather. Stay clear of drainage bottoms, and low water crossing sections of road. Keep clear of soft forest roads. Have a safe place identified, for people to be out of harms way.	Possible	Moderate	Moderate	YES	All personell on fire
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 retardent and water drops and ingress/egress routes. Review and apply IRPG Aviation pages. (Blue section) Ensure positive communications.	Rare	Catastrophic	Moderate	YES	All Operational Personal
Transportation - Ground	Motor Vehicle Accident-All Causes: visibility, other vehicles, pedestrians, bicycles, wildlife, road surface, livestock.	Possible	Critical	High	Adhere to state and local traffic laws. Establish camps near fire operations to minimize driving distances, adhere to: operational driving policy, work rest policy, duty day limitations. Maintain vehicle readiness: clean windows, use headlights day & night, seatbelt use, take frequent breaks during long drives, obey posted speed limits, use backers if available. Post lookout when appropriate.	Rare	Critical	Moderate	YES	Division Supervisor All Drivers LOGS

Ground Transportation-Motor vehicle	Transporting Logs	Possible	Critical	High	The Transport vehicle operator shall assure that the each tie down is tight before transporting the load. While enroute, the operator shall check and tighten the tie downs whenever there is reason to believe the tie downs have loosened or the load has shifted.	Possible	Moderate	Moderate	YES	Division Supervisor All Drivers
All Incident Operational Tasks	Weather - Lightning	Unlikely	Critical	Moderate	During periods of high lightning probability (elevated LAL's, T-storm development) exposed individuals should be either in a building with wiring or plumbing, or a hard topped vehicle with the windows rolled up. If neither is possible avoid high ground, avoid grouping people together, avoid objects likely to be struck by lightning, avoid rocky outcrops due to elevated potential for lightning to strike rocks due to mineral content. *Consider disengagement from firefighting tasks to seek proper shelter. Wait 30 minutes after the last lightning strike before returning to work.	Unlikely	Critical	Moderate	YES	Division Supervisor
All Incident Operational Tasks	Flash flood conditions affecting ICP/Spike camp	Rare	Critical	Moderate	Refer to ICP / Spike camp evacuation plan. Either shelter in place or evacuate	Rare	Critical	Moderate	YES	All incident personell
All Incident Operational Tasks	Slips/Trips/Falls - Steep Terrain, Unstable Surface	Possible	Moderate	Moderate	Use the risk assessment tool in IAP. Look up, down, and around. Focus on task at hand	Possible	Moderate	Moderate	YES	All incident personell
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 Personal
Equipment - Heavy Equipment	Air Curtain Burner	Rare	Critical	Moderate	Load Fuel to be burned with equipment. Give fuel 2 hours minimum to burn down prior to leaving division for the day. Do not operate when the wind speeds reach 20mph or greater to prevent the potential to carry hot embers. NEVER climb on the unit. Have operator and TFLD conduct a tailgate safety briefing prior to operation and conduct AAR's to adjust operations as needed.	Rare	Critical	Moderate	YES	Division Supervisor
Ground Transportation- UTV /ATV	Rollover Potential	Unlikely	Critical	Moderate	Evaluate the need for UTV /ATV use by using Risk Assessment Tool in IAP Safety Messages, avoid driving cross slope, avoid overloading machines, avoid use of aftermarket roof racks that increase rollover potential use qualified drivers, use required PPE per Forest Service policy, regardless of employee's agency.	Rare	Critical	Moderate	YES	All UTV/ATV operators
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 Personal
Working with Heavy Equipment / Suppression Repair	Equipment- Crushed by Heavy Equipment / Rollover / Hit by Flying Debris	Unlikely	Critical	Moderate	Refer to 2022 IRPG pg. 85 <i>Working with Heavy Equipment</i> . Ensure adequate supervision by using a HEQB or TFLD. review IRPG page 86 for mitigations.	Unlikely	Critical	Moderate	YES	DIVS, HEQB
All Incident Personnel	Accidental Shooting	Rare	Catastrophic	Moderate	Be aware of hunters in the area, notify supervisor. Involve the SECI's to educate the hunters on the closure area.	Rare	Catastrophic	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. The Closure areas are being reduced so expect to see more public within close proximity to the fire area. Communicate clearly and courteously. Contact Team Liaisons,Safety Officers, and Security when necessary.	Likely	Negligible	Moderate	YES	All Personnel