

Incident Risk Assessment Worksheet					1. Incident Name/Number	2. Location				
Identification of Hazards and Risk Assessment					Archie Creek and Thielsen Fires - Oregon	Roseburg, OR				
5. Pre-Control					3. Name and Title of Analyst		4. Date			
					Tommy Hawkins & Brad Lott		Monday, September 28, 2020			
					6. Control or Mitigation Action (Engineering, Administrative, PPE, Rescues, Education, etc)		7. Post-Control			
8. Location	9. Hazard	10. Hazard Probability	11. Severity Code	12. RAC	Actions (double-click in cell then click alt + enter to add a line)	13. Hazard Probability	14. Severity Code	15. RAC	16. Acceptable (Yes/No)	Export (Yes/No)
All Divisions	Helicopter Operations	Rarely D	Catastrophic I	Moderate	<ul style="list-style-type: none"> Stay clear of all bucket drops when suppression actions are in place and allow 1 minute prior to re-entry. Monitor A-G communications. Monitor weather for wind speeds and gust intervals. 	Rarely D	Catastrophic I	Moderate	Yes	No
All Divisions	Hazard Trees	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> Snag removal with chainsaw should be with falling module or equipment. Identify snag areas that can't be removed - flag and avoid. Give extra assessment to areas of mop-up, especially evaluating work further into fire edge. Don't park vehicles or take breaks in high concentrations of hazard trees. Establish trigger points for disengagement during high wind events. 	Rarely D	Catastrophic I	Moderate	Yes	Yes
All Divisions	Extreme Fire Behavior	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> Monitor weather and fire behavior throughout day, updating affected personnel and adjusting LCES. Establish "Trigger Points" to withdraw. 	Rarely D	Critical II	Minor	Yes	No
All Divisions	Driving & Traffic	Likely B	Catastrophic I	Critical	<ul style="list-style-type: none"> For engines and tenders, use chock blocks, turn wheels into hill. Minimize use of Rock Creek Canyon during tree removal and power line restoration. Anticipate delays and road debris on Road 138, especially in transporting medical emergencies. Expect logging traffic throughout incident, slow down and yield roadway as needed. Use tactical broadcast for roads identified in division 204 special instructions. 	Rarely D	Critical II	Minor	Yes	Yes
All Divisions	ATV/UTV use	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> Ensure equipment is inspected and safe to use. Restrict UTV's to max width of 50" on ATV trails due to width and severe sloped conditions. Ensure operator is trained and certified to operate. All riders must have a manufacturer's provided seat and seatbelt. Ensure operator and other riders have proper PPE according to the Redbook and/or RMA...Meet forest helmet requirements. Question if it is mission critical. 	Rarely D	Critical II	Minor	Yes	No
DIVs A, B, D, N, roads, structures	Power Utilities	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> Notify all personnel and utility companies about downed electrical lines. Always treat downed wires as energized. Identify and avoid high tension transmission lines. Identify and avoid high pressure natural gas lines. Identify and avoid damaged gas service near structures. Be aware of utility restoration in your work area. 	Rarely D	Critical II	Minor	Yes	No
All Divisions and Groups	Medical Extraction (ground >1 hour)	Likely B	Critical II	Serious	<ul style="list-style-type: none"> Request air transport ASAP Identify alternative ground routes considering road debris/work, especially on Rd 138 Identify LZ's along roads and out of fire area for transport from ambulance to air medic Prepare and communicate options for short haul or hoist helicopter 	Rarely D	Critical II	Minor	Yes	Yes
All Branches	Chipper Operations	Rarely D	Catastrophic I	Moderate	<ul style="list-style-type: none"> Make sure chipper operators are trained and qualified to operate equipment. Make sure all clothing is tucked in as not to catch in the chipper. All resources working with the chipper must be briefed with and sign the JHA. 	Rarely D	Critical II	Minor	Yes	Yes
Spike Camps	Spike Camp	Frequently A	Significant III	Serious	<ul style="list-style-type: none"> Keep a clean camp. Ensure communications are in place. Review and observe "Line Spike" considerations (IRPG pg. 95). 	Likely B	Significant III	Moderate	Yes	Yes
All Divisions	Fireline Hazards	Likely B	Significant III	Moderate	<ul style="list-style-type: none"> Brief division resources daily on specific hazards Avoid line locations in high hazard tree areas Provide line medical resources as close as feasible to personnel at highest risk 	Occasional C	Significant III	Minor	Yes	No
All Divisions	Steep Terrain & Rolling Debris	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> Evaluate necessity to send personnel in areas with limited access, especially in wet conditions. Utilize aircraft to monitor and suppress fire in extremely rough terrain - Div Q. 	Occasional C	Significant III	Minor	Yes	Yes
All	Personal Hygiene	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> Don't share personal items such as water bottles, communication devices, and eating utensils. Wash hands before meals and after use of rest room facilities. 	Occasional C	Significant III	Minor	Yes	No
All Divisions	Initial Attack	Likely B	Critical II	Serious	<ul style="list-style-type: none"> If delegated or requested Follow IA procedures Provide local briefing for local protocols. Coordinate with Operations See IRPG front cover for Size Up Report. 	Occasional C	Significant III	Minor	Yes	No
All Divisions	Structure Protection & HAZMAT	Occasional C	Significant III	Minor	~	Occasional C	Significant III	Minor	Yes	No
All Divisions	Unburned Area/Reburn Potential	Rarely D	Significant III	Negligible	<ul style="list-style-type: none"> Monitor weather. Base actions upon observed and predicted fire behavior. LCES Checklist (IRPG pg. 7). Look Up, Down and Around (IRPG pg. 3-4). 	Occasional C	Significant III	Minor	Yes	No
All Divisions	Wildland Urban Interface	Occasional C	Significant III	Minor	~	Occasional C	Significant III	Minor	Yes	No
All Divisions	Downhill Line Construction	Frequently A	Critical II	Critical	<ul style="list-style-type: none"> Ensure lookouts have a good view of resources constructing line and the fire. Follow downhill checklist. Utilize good anchor points. Utilize cup trenches, as necessary. Patrol line. Reassess safety zones and escape routes. Follow IRPG Pgs 9 & 84. 	Occasional C	Significant III	Minor	Yes	No
All Divisions	Chain Saw Operations	Rarely D	Critical II	Minor	<ul style="list-style-type: none"> Follow "Hazard Tree Safety" guidelines, IRPG page 22-23. Look up, Look down, Look around for hazard tree indicators. Only fell and buck trees within your expertise, and training. Follow "Procedural Felling Operations" on page 85 in IRPG. Do not fall trees during high wind events. Ensure proper use of all required PPE. Locate fire lines to avoid hazard trees as much as possible Utilize equipment lines as much as feasible rather than handlines Assign chainsaw operations to match crew skills 	Rarely D	Significant III	Negligible	Yes	No
All Divisions	Mop-up & Rehab	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> Avoid operations in high winds or abundant hazard trees Minimize mop up depth to meet operational objectives 	Rarely D	Significant III	Negligible	Yes	Yes
All Divisions	Heavy Equipment Operations	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> Utilize HEQB for safety of operators and other resources. Assess and provide road control for transporting equipment. Avoid working below heavy equipment. Give additional attention to industrial equipment working in fire area - logging, utility, highway, county, etc. 	Rarely D	Significant III	Negligible	Yes	Yes
All Divisions	Fatigue & Over Exertion	Rarely D	Significant III	Negligible	<ul style="list-style-type: none"> Manage operational work shifts to increase rest hours Provide good quality food timely to personnel Minimize personnel extensions to UTF positions; order fresh resources to reduce fatigue 	Rarely D	Minor IV	Negligible	Yes	No
All Divisions	Poisonous Plants	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> Identify poison oak Provide laundry service to clean contaminated clothing 	Occasional C	Minor IV	Negligible	Yes	No