

Incident Risk Assessment Worksheet					1. Incident Name/Number		2. Location				
Identification of Hazards and Risk Assessment					Polles Fire		Payson Ranger District, Tonto National Forest				
					3. Name and Title of Analyst		Tuesday July 7, 2020				
5. Pre-Control					6. Control or Abatement Action (Engineering, Administrative, PPE, Avoidance, 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)
A/D	Air Operations	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> <li>- Ensure positive communication with all air resources.</li> <li>- Don't plan on air resources for medical transport or resupply.</li> <li>- Follow "Aviation Watch-Out Situations" IRPG Pg 46.</li> <li>- Refer to "Directing Bucket or Retardant Drops" IRPG Pg 58 .</li> <li>- Refer to "Aerial Retardant Safety" IRPG Pg57.</li> <li>- Refer to "Aircraft Mishap Response Procedure" IRPG Pg 62.</li> </ul>		Rarely D	Catastrophic I	Moderate	Yes	Yes
A/D	Helicopter Operations	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> <li>- Ensure positive communication with all air resources.</li> <li>- Don't plan on air resources for medical transport or resupply.</li> <li>- Follow "Aviation Watch-Out Situations" IRPG Pg 46.</li> <li>- Refer to "Directing Bucket or Retardant Drops" IRPG Pg 58 .</li> <li>- Refer to "Aircraft Mishap Response Procedure" IRPG Pg 62.</li> <li>- Stay clear of all bucket drops when suppression actions are in place and allow 1 minute prior to re-entry.</li> <li>- Monitor A-G communications.</li> </ul>		Rarely D	Catastrophic I	Moderate	Yes	Yes
Q/U/W	Power Utilities	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> <li>- Refer to the IRPG page 24 for Power Line Safety.</li> <li>- Notify all personnel of down electrical lines.</li> <li>- Always treat downed wires as energized.</li> <li>- Identify and avoid high tension transmission lines.</li> <li>- Identify and avoid high pressure natural gas lines.</li> <li>- Identify and avoid damaged gas service near structures.</li> <li>- Be aware of utility restoration in your work area.</li> </ul>		Rarely D	Catastrophic I	Moderate	Yes	Yes
U/W/Z	Driving & Traffic	Likely B	Critical II	Serious	<ul style="list-style-type: none"> <li>- Practice "Defensive Driving" techniques traveling on all roads and city streets.</li> <li>- Use spotters &amp; Honk horn to alert personnel when backing.</li> <li>- Follow Driving LCES (Lights, Chock blocks, Emergency brake, Seat belts).</li> <li>- Always use headlights.</li> <li>- Yield to pedestrians and bicycles.</li> <li>- Observe posted speed limits.</li> <li>- Use the 3 second rule for following distance when driving.</li> <li>- Use chock blocks, turn wheels into hill.</li> <li>- Avoid distractions (eating, cell phones, radio).</li> <li>- Ensure that windshields are kept clean of dust and bugs.</li> <li>- Refer to "Smoke and Transportation Safety" IRPG Pg 31</li> <li>- Refer to "Roadside Response Safety" IRPG Pg 26</li> </ul>		Occasional C	Critical II	Moderate	Yes	Yes
ALL	Injury & Medical Emergency	Likely B	Critical II	Serious	<ul style="list-style-type: none"> <li>- Assist injured employee appropriate medical care.</li> <li>- Use Medics/EMT's on Division for initial care.</li> <li>- Follow "Emergency Medical Care" IRPG Pgs 105-118</li> <li>- Follow procedures in Medical Plan, ICS 206</li> <li>- Refer to "Planning for Medical Emergencies" IRPG Pg 2</li> </ul>		Occasional C	Critical II	Moderate	Yes	Yes
A/D	Medical Extrication (ground >3 hours)	Likely B	Critical II	Serious	<ul style="list-style-type: none"> <li>-Approved, adequate extrication points are identified, approved, known and reassessed as needed.</li> <li>-Ensure adequate ALS in appropriate locations to respond.</li> <li>-Consider air extricaion if available&gt;</li> </ul>		Occasional C	Critical II	Moderate	Yes	
ALL	Chain Saw Operations	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Follow "Hazard Tree Safety" guidelines, IRPG Pg 22</li> <li>- Follow "Procedural Felling Operations" IRPG Pg 85.</li> <li>- Look up, Look down, Look around for hazard tree indicators.</li> <li>- Only fell and buck trees within your expertise, and training.</li> <li>- Do not fall trees during high wind events.</li> <li>- Ensure proper use of all required PPE.</li> </ul>		Rarely D	Critical II	Minor	Yes	Yes
U/W	Heavy Equipment Operations	Occasional C	Catastrophic I	Serious	<ul style="list-style-type: none"> <li>- Refer to "Working with Heavy Equipment" IRPG Pg 86</li> <li>- Ensure communications are established with operators.</li> <li>- Use hand signals if other communications are unavailable.</li> <li>- Maintain a 50'-100' exclusion area around equipment and increase it to 1 1/2 times tree height when in timber.</li> <li>- Use a spotter when backing.</li> <li>- Avoid working below heavy equipment.</li> </ul>		Rarely D	Critical II	Minor	Yes	Yes
ALL	Exposure to Covid 19	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Screen yourself daily for signs and symptoms.</li> <li>- Manage interactions so that social distancingof 6' can be maintained.</li> <li>- Cover your mouth and nose with a cloth face cover when around others .</li> <li>- Wash with soap and water and sanitize hands frequently.</li> </ul>		Rarely D	Critical II	Minor	Yes	Yes
ALL	Heat Related Illness (HRI)& Dehydration	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Refer to Heat Related Illness information, IRPG Pg 109</li> <li>- Drink Fluids throughout operational period (6-8 qts/shift).</li> <li>- Maintain water/electrolyte ratio of 3 to 1.</li> <li>- Carry extra water on line and cache water at drop points.</li> <li>- Take Frequent breaks, minimum of 10 minutes every hour.</li> <li>- Allow out of area resources time to acclimatize before expecting peak performance.</li> <li>- Recognize symptoms of HEAT RELATED ILLNESS which include. <ul style="list-style-type: none"> <li>o Lack of energy</li> <li>o Headaches, dizziness</li> <li>o Lack of rest</li> <li>o No hunger, poor eating habits</li> <li>o Hot skin, and lack of sweating</li> </ul> </li> </ul>		Occasional C	Significant III	Minor	Yes	Yes
S/U/W/Z	Unburned Area/Reburn Potential	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Monitor weather.</li> <li>- Base actions upon observed and predicted fire behavior.</li> <li>- LCES Checklist IRPG Pg 7.</li> <li>- Refer to "Look Up, Down and Around" IRPG Pg 3</li> </ul>		Occasional C	Significant III	Minor	Yes	Yes

A/D	Spike Camp	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Keep a clean camp.</li> <li>- Ensure communications are in place.</li> <li>- Review and observe "Line Spike" considerations, IRPG Pg. 95</li> </ul>	Occasional C	Significant III	Minor	Yes	Yes
ALL	Unplanned Public Interaction	Likely B	Significant III	Moderate	<ul style="list-style-type: none"> <li>- Be alert to non-fire personnel in areas with suppression personnel.</li> <li>- All non-fire personnel will be escorted while on fireline.</li> <li>- Post lookouts to in areas with public to avoid conflicts with mission tasks.</li> <li>- Ensure sufficient security to restrict access to exclusion area.</li> </ul>	Likely B	Minor IV	Minor	Yes	Yes
ALL	Fatigue & Over Exertion	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Drink 1 quart of water each hour during and after work.</li> <li>- Rotate crews out of smoky areas.</li> <li>- Set a reasonable work pace and allow adequate rest breaks while on the project.</li> <li>- Stagger work crews start time to limit fatigue.</li> <li>- Use buddy system to monitor personnel of heat related and fatigue issues.</li> <li>- Follow work / rest guidelines.</li> </ul>	Rarely D	Significant III	Negligible	Yes	Yes
ALL	Fireline Hazards	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Refer to "Fireline Location" considerations, IRPG Pg 84</li> <li>- Do not work directly above or below personnel during firing and mop-up operations.</li> <li>- Watch for falling and rolling debris on steep slopes.</li> <li>- Alert crew personnel of rolling debris by yelling to affected individuals.</li> <li>- Position debris that could roll vertically on slope.</li> <li>- Avoid stepping over debris that could roll by walking around object.</li> <li>- Avoid radiant heat by wearing appropriate PPE correctly.</li> <li>- Use correct tool for task assigned.</li> <li>- Flag and isolate all HAZMAT and alert all personnel working in Division.</li> <li>- Follow WUI recommendations, IRPG Pg 12.</li> </ul>	Rarely D	Significant III	Negligible	Yes	Yes
S/U/W/Z	Indirect Fireline	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Post lookouts, identify escape routes and safety zones IRPG Pg. 7</li> <li>- Review "Strategy Direct/Indirect Attack" IRPG Pg. 82-83</li> <li>- Refer to "Line Location" IRPG Pg 84</li> </ul>	Rarely D	Significant III	Negligible	Yes	Yes
ALL	Lack of or Incorrect Use of PPE	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Always wear appropriate PPE for operation which includes: <ul style="list-style-type: none"> <li>o Eye Protection</li> <li>o Hard Hat</li> <li>o Gloves</li> <li>o 8" Leather non-skid boots</li> <li>o Nomex Shirt/Pants</li> <li>o Fire Shelter</li> <li>o Hearing protection when working around chainsaws and pumps</li> </ul> </li> <li>- Additional PPE as dictated by local conditions and environment.</li> </ul>	Rarely D	Significant III	Negligible	Yes	Yes
S/U/W/Z	ATV/UTV use	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Ensure equipment is inspected and safe to use.</li> <li>- Restrict UTV's to max width of 50" on ATV trails due to width and severe out sloped conditions.</li> <li>- Ensure operator is trained and certified to operate.</li> <li>- Ensure operator has proper PPE according to the Redbook and/or RMA.</li> <li>- Question if it is mission critical.</li> </ul>	Rarely D	Significant III	Negligible	Yes	Yes
ALL	Bees, Ticks, Mosquitoes, Snakes, Scorpions	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Canvas crew members for those with known allergic reactions to stings.</li> <li>- Ensure crew members have medication pens if needed.</li> <li>- Perform daily self inspection.</li> <li>- Use repellent as necessary.</li> <li>- Advanced Life Support, multi-dose epi and airway protection.</li> <li>- Keep affected area clean and bandaged.</li> <li>- Be extra careful when eating and/or drinking to avoid stings to mouth and throat.</li> </ul>	Occasional C	Minor IV	Negligible	Yes	Yes
ALL	Communications	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Maintain communication with aviation resources, and suppression organization.</li> <li>- Ensure all know frequency and protocol for contacting resources.</li> <li>- Utilize the ICS 205.</li> <li>- Utilize human repeaters when working in dead spots.</li> </ul>	Rarely D	Minor IV	Negligible	Yes	Yes
A/D	Swing Operations	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Maintain high visibility in work area and wear vest while in roadway.</li> <li>- Use glow sticks to mark hazards.</li> <li>- Ensure personnel have a personal light (headlamp).</li> <li>- Watch for signs of fatigue.</li> <li>- Take breaks away from areas of known hazard.</li> </ul>	Occasional C	Minor IV	Negligible	Yes	Yes
ALL	Personal Hygiene	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Don't share personal items such as water bottles communication devices and utensils.</li> <li>- Wash hands before meals, and after use of rest room facilities.</li> </ul>	Occasional C	Minor IV	Negligible	Yes	Yes
ALL	Steep Terrain & Rolling Debris	Occasional C	Critical II	Moderate	<ul style="list-style-type: none"> <li>- Maintain 8'-10' spacing when working &amp; walking.</li> <li>- Don't work above any personnel.</li> <li>- Be on the lookout for rolling rocks, debris, or burning material.</li> <li>- Evaluate necessity to send personnel in areas with limited access.</li> <li>- Post lookouts IRPG Pg 7</li> </ul>	Occasional C	Minor IV	Negligible	Yes	Yes
Structure	Structure Protection & HAZMAT	Occasional C	Significant III	Minor	<ul style="list-style-type: none"> <li>- Review "Wildland Urban Interface Firefighting" considerations, IRPG Pg 12-16</li> <li>- Use "Structure Assessment" checklist, IRPG Pg 13</li> <li>- Refer to "Structure Hazard Marking System" IRPG Pg 41</li> <li>- Follow "HAZMAT Incident Operations" IRPG Pg 36</li> </ul>	Occasional C	Minor IV	Negligible	Yes	Yes