

Prescribed Fire Complexity Rating System Guide Worksheet

Instructions: This worksheet is designed to be used with the Prescribed Fire Complexity Rating descriptors on Page 6.

Project Name Glipi Pine Number _____

Complexity elements:

1. Potential for Escape

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Established fire breaks will contain fire. Spotting potential should be minimal and is easily detectable and controlled.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	An escape would not produce negative impacts to resources. There are no structures within a mile of the site.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Holding operations are at the single resource boss level or below. The burn units are easily accessible to holding forces. However, this fuel type is new to some of the holding personnel.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change

2. The Number and Dependency of Activities

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Activities on this burn are loosely dependent on other activities. A delay in the completion of one activity will not provide significant delays in project completion.
Final Rating: <i><u>Low</u> Moderate High</i>	
Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Failure to coordinate activities would increase the likelihood for an escape and prevent project completion.

Final Rating: <i>Low Moderate High</i>	No change. Burning in a new fuel type for some personnel will require some learning. This may produce some delays in coordination of activities.
Technical Difficulty	Rationale
Preliminary Rating: <i>Low Moderate High</i>	Coordination of activities will provide minimal difficulty. Communication and coordination can be carried out both verbally and by radio over many parts of this unit.
Final Rating: <i>Low Moderate High</i>	

3. Off-Site Values

Risk	Rationale
Preliminary Rating: <i>Low Moderate High</i>	Off site improvements are mostly over a mile away from this unit. There is a wood bridge on the southwest corner of the unit that can be easily protected. Areas adjacent to the site would not be negatively affected by an escape.
Final Rating: <i>Low Moderate High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i>Low Moderate High</i>	Vegetation adjacent to these sites would quickly recover should an escape occur. Off-site improvements are more than a mile away. Part of the Glipi Road, and access to Pickerel Lake, may be temporarily closed during portions of the burn if it is deemed necessary.
Final Rating: <i>Low Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i>Low Moderate High</i>	Protection of off-site values does not require special equipment, management or skills.
Final Rating: <i>Low Moderate High</i>	No change

4. On-Site Values

Risk	Rationale
Preliminary Rating: <i>Low Moderate High</i>	NA

Final Rating: <i>Low Moderate High</i>	
Potential Consequences	Rationale
Preliminary Rating: <i>Low Moderate High</i>	NA
Final Rating: <i>Low Moderate High</i>	
Technical Difficulty	Rationale
Preliminary Rating: <i>Low Moderate High</i>	NA
Final Rating: <i>Low Moderate High</i>	

5. Fire Behavior

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Fuels are uniform on the site over mostly level ground. There are small isolated areas where torching could occur in pockets of balsam fir or spruce. Fire behavior is predictable over the majority of the site.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Fire outside the unit boundary would be similar to within the burn unit. There is an allowable area identified around the burn unit.
Final Rating: <i>Low <u>Moderate</u> High</i>	Fire outside the burn unit would be mostly similar, however a southerly wind could potentially cause spots into areas with better fuels. This will need to be considered if the unit is burned with a southerly wind.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Personnel safety can be obtained with standard fire safety procedures. Spot fires are expected to be able to be controlled by on site personnel by direct attack methods.
Final Rating: <i><u>Low</u> Moderate High</i>	No change

6. Management Organization

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Staffing of the burn will require a burn boss, an ignition specialist and a holding boss.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Minimal supervision and communication problems are expected.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	The majority of team members are familiar with project objectives. However, this unit involves fuel types that some personnel have not worked in and ignition patterns that have not been utilized by some team members.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change

7. Public and Political Interest

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	The units are small in size and have generated limited public interest. The smoke from the burn would be visible from the Fernberg Road.
Final Rating: <i><u>Low</u> Moderate High</i>	The units small size and posting of signs on the road identifying the burn would alert the public to the Rx burn.

Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Adverse events would generate public or media interest. News releases would be needed.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	No information position is needed for this burn. News releases would be routine in nature with normal public notifications.

Final Rating: <u>Low</u> Moderate High	No change
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8. Fire Treatment Objectives

Risk	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Treatment objectives are easily achieved fuel reduction/site preparation. Desired fire behavior is readily obtained and manageable.
Final Rating: <u>Low</u> Moderate High	No change
Potential Consequences	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Other management opportunities to reach objectives are limited for these sites. Other management objectives are not dependent on the completion of this project.
Final Rating: <u>Low</u> Moderate High	No change
Technical Difficulty	Rationale
Preliminary Rating: <u>Low</u> <u>Moderate</u> High	Objectives are easy to obtain, however will require moderate fire behavior to achieve desired objectives.
Final Rating: <u>Low</u> <u>Moderate</u> High	No change

9. Constraints

Risk	Rationale
Preliminary Rating: <u>Low</u> Moderate High	There are no constraints that are known for these units related to water use, equipment, fire lines, tactics, equipment or aircraft use.
Final Rating: <u>Low</u> Moderate High	No change
Potential Consequences	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Project can be initiated when it is in prescription.
Final Rating: <u>Low</u> Moderate High	No change

Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Constraints do not prevent project completion.
Final Rating: <i><u>Low</u> Moderate High</i>	No change

10. Safety

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Safety issues are readily identifiable and typical of those found on most prescribed burns. Briefings will be able to easily cover those issues.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	The potential for serious injuries to the public or firefighters is minimal.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	The safety issues on this burn are typical of most prescribed burns and can be mitigated with LCES.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change

11. Ignition Procedures/Methods

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Project site is small and mostly visible to the burn boss and/or ignition specialist. Firing sequences are not complex, however they will need to be carried out in a logical order.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Firing sequences do not pose a safety concern to project personnel, compromise project completion or increase the risk of escape.

Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Firing methods are simple with a small ignition team. Drip torches will be used for ignition.
Final Rating: <i>Low <u>Moderate</u> High</i>	Lighters will need to be alert to the potential for torching of balsam and spruce. Ignition locations and sequences will need to be located to reduce this potential.

12. Interagency Coordination

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Project completion requires coordination with the Lake County Land Department along with burn day contacts.
Final Rating: <i><u>Low</u> Moderate High</i>	Coordination with Lake County complete.
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Most project coordination can be completed ahead of time.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Project requires an MOU with the Lake County Land Department. This burn is in the federal protection area will require coordination with the USFS.
Final Rating: <i><u>Low</u> Moderate High</i>	Coordination with Lake County already complete. USFS will be aware of the burn as a result of regular burn day contacts.

13. Project Logistics

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Project requires minimal logistical planning. Equipment is readily available and no special communication needs are required.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Potential Consequences	Rationale

Preliminary Rating: <i><u>Low</u> Moderate High</i>	Logistical problems will not increase the likelihood for fire to escape control lines.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Logistics will be handled at the local level. Supplies and personnel are readily available.
Final Rating: <i><u>Low</u> Moderate High</i>	No change

14. Smoke Management

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Smoke concerns will be minimal due to small unit size and short burn duration. Smoke management concerns can be easily mitigated.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	The Fernberg Road is ½ mile north of this unit however; distance and lift of smoke will produce minimal impacts. The Glipi Road is lightly traveled and smoke impacts should not be an issue. Smoke exposure of firefighters should be normal for most Rx burns.
Final Rating: <i><u>Low</u> Moderate High</i>	No change
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	There will be limited operational procedures to deal with smoke. These can be met with the prescription for wind direction and dispersal.
Final Rating: <i><u>Low</u> Moderate High</i>	No change

COMPLEXITY RATING SUMMARY

RISK	OVERALL RATING	<u>Low</u>
POTENTIAL CONSEQUENCES	OVERALL RATING	<u>Moderate</u>
TECHNICAL DIFFICULTY	OVERALL RATING	<u>Moderate</u>
SUMMARY COMPLEXITY RATING		<u>Moderate</u>

RATIONALE: This burn is relatively simple, however prescribed burning in this fuel type may be new to some of the personnel involved. Fire behavior outside the unit may be higher than within the unit and burning at the high end of the prescription will increase the likelihood for spotting. These factors place the burn in the moderate category.

Prepared by: _____ Date: _____