

Prescribed Fire Complexity Rating System Guide Worksheet

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

Project Name McGregor Boyd Number D2G0503

Complexity elements:

1. Potential for Escape

Risk	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Firebreaks are 10-12 feet wide. Spot fires easily detected and accessed.
Final Rating: <u>Low</u> Moderate High	No change.
Potential Consequences	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Any escapes downwind would be into adjacent hayground resulting in little damage to resource values.
Final Rating: <u>Low</u> Moderate High	No change.
Technical Difficulty	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Burn unit easily accessible by tracked vehicles. Holding operations supervised at Single Resource Boss level.
Final Rating: <u>Low</u> Moderate High	No change.

2. The Number and Dependency of Activities

Risk	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Number of activities is low and easily coordinated.
Final Rating: <u>Low</u> Moderate High	Good communication is essential.
Potential Consequences	Rationale
Preliminary Rating: Low <u>Moderate</u> High	A good level of communication is needed to avoid running fire at opposite holding line.

Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Coordination requires a moderate skill level with good communication.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.

3. Off-Site Values

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Adjacent lands are lowland grass or hayground. There may be some drive by viewing.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Signs on road will be in place. Spot fires could burn hayground. Easily accessed by tracked vehicle.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	No special equipment or skills needed.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.

4. On-Site Values

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Home and farm buildings are on the north line surrounded by short grazed or mowed grass or gravel driveway. Power line runs through pasture. Snowmobile bridges (wood deck)

Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Structures could catch on fire. Poles could catch on fire. Bridges could catch on fire.
Final Rating: <i>Low <u>Moderate</u> High</i>	Mitigate by keeping fire away from buildings, stage engine and pump. Mitigate negative effects to power poles by pre-treating or burning out poles. Mitigate negative effects to bridges by pre-treatment.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Adequate wide breaks and fire equipment will be in place to protect property.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.

5. Fire Behavior

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Some fuels may be flashy (grass) and vary in loading. Whirlwinds are possible.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Fuels may cause unexpected fire line intensity. Whirlwinds may carry fire across the fire line. Fire behavior outside of unit would be similar to inside.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Burn Boss will need to assess and respond to any changes in fire behavior.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.

6. Management Organization

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Burn Boss plus lighters and holders needed to implement the Rx fire.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Problems related to supervision or communication is expected to be minimal.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Team members are familiar with this type of burn unit and fuel types.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.

7. Public and Political Interest

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	The unit is near Hwy 210 and some residence. Most residence are familiar with spring burning and are expected to have little concern.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.

Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Public may call in smoke.
Final Rating: <i><u>Low</u> Moderate High</i>	Various government agencies will be notified prior to burn day. Local residence to the north will be notified prior to burn day.
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	No special fire information needed.

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 should be easily achieved with prescribed conditions.
Final Rating: <u>Low</u> Moderate High	No change.
Potential Consequences	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Failure to meet objectives would have short-term affects on natural resources. Reassessment would be made to fire plan.
Final Rating: <u>Low</u> Moderate High	No change.
Technical Difficulty	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Few or no restrictions on techniques. Some pre-burn monitoring is needed to determine if the unit is in prescription.
Final Rating: <u>Low</u> Moderate High	No change.

9. Constraints

Risk	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Few constraints on access, water sources, fire lines, etc.
Final Rating: <u>Low</u> Moderate High	No change.
Potential Consequences	Rationale
Preliminary Rating: <u>Low</u> Moderate High	Can be implemented whenever 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>	Difficulty of burn is not increased by constraints.
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 easily identified and mitigated and easily addressed in briefings.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Minimal potential for serious accidents or injuries.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	LCES should be adequate.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.

11. Ignition Procedures/Methods

Risk	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Firing sequence and timing are essential to keeping the fire under control.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Firing methods and procedures must be coordinated to provide for safety and reduce risk of adverse event.

Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	The need for firing pattern is identified. Use of backing, flanking and head firing requires direct control of igniters to manage safety concerns.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.

12. Interagency Coordination

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	No other agencies involved.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Potential Consequences	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	NA
Final Rating: <i>Low <u>Moderate</u> High</i>	
Technical Difficulty	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	NA
Final Rating: <i>Low <u>Moderate</u> High</i>	

13. Project Logistics

Risk	Rationale
Preliminary Rating: <i>Low <u>Moderate</u> High</i>	Minimal logistic support. Supplies available as standard crew equipment.
Final Rating: <i>Low <u>Moderate</u> High</i>	No change.
Potential Consequences	Rationale

Preliminary Rating: <i><u>Low</u> Moderate High</i>	Adequate supplies are available.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	Burn boss will handle own support needs and supplies are easy to obtain.
Final Rating: <i><u>Low</u> Moderate High</i>	No change.

14. Smoke Management

Risk	Rationale
Preliminary Rating: <i><u>Low</u> <u>Moderate</u> High</i>	Smoke into residences down wind. Smoke over county road.
Final Rating: <i><u>Low</u> Moderate High</i>	Mitigate by following wind direction prescription. Put signs along county road..
Potential Consequences	Rationale
Preliminary Rating: <i><u>Low</u> <u>Moderate</u> High</i>	Concerns from residence. Smoke over road could cause accidents.
Final Rating: <i><u>Low</u> Moderate High</i>	Mitigate by following wind direction prescription. Put signs along county road.
Technical Difficulty	Rationale
Preliminary Rating: <i><u>Low</u> Moderate High</i>	No special operational procedures are necessary.
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>Low</u>
TECHNICAL DIFFICULTY	OVERALL RATING	<u>Low</u>
SUMMARY COMPLEXITY RATING		<u>Low</u>

RATIONALE:

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