Prescribed Fire Complexity Rating System Guide Worksheet

Instructions: This worksheet is designed to used with the Prescribed Fire Complexity Rating descriptors found here <http://www.nwcg.gov/pms/RxFire/complexity_analysis.pdf> .

Project Name Number

**Complexity elements:**

**1. Potential for Escape**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**2. The Number and Dependency of Activities**

|  |  |  |
| --- | --- | --- |
| **Risk** | **Rationale** | |
| **Preliminary Rating:**  ***Low Moderate High*** |  | |
| **Final Rating:**  ***Low Moderate High*** |  | |
| **Potential Consequences** | **Rationale** | |
| **Preliminary Rating:**  ***Low Moderate High*** |  | |
| **Final Rating:**  ***Low Moderate High*** |  | |
| **Technical Difficulty** | | **Rationale** | |
| **Preliminary Rating:**  ***Low Moderate High*** | |  | |
| **Final Rating:**  ***Low Moderate High*** | |  | |

**3. Off-Site Values**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**4. On-Site Values**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**5. Fire Behavior**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**6. Management Organization**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**7. Public and Political Interest**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

|  |  |
| --- | --- |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**8. Fire Treatment Objectives**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**9. Constraints**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**10. Safety**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**11. Ignition Procedures/Methods**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**12. Interagency Coordination**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**13. Project Logistics**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

**14. Smoke Management**

|  |  |
| --- | --- |
| **Risk** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Potential Consequences** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |
| **Technical Difficulty** | **Rationale** |
| **Preliminary Rating:**  ***Low Moderate High*** |  |
| **Final Rating:**  ***Low Moderate High*** |  |

COMPLEXITY RATING SUMMARY

RISK OVERALL RATING

POTENTIAL CONSEQUENCES OVERALL RATING

TECHNICAL DIFFICULTY OVERALL RATING

**SUMMARY COMPLEXITY RATING**

RATIONALE:

Prepared by: Date:

Approved by: Date: (Agency Administrator)