

## BURNED-AREA REPORT

(Reference FSH 2509.13)

☒ 1. Funding request for estimated emergency stabilization funds  
☐ 2. Accomplishment Report  
☐ 3. No Treatment Recommendation

☒ 1. Initial Request (Best estimate of funds needed to complete eligible stabilization measures)

☐ 2. Interim Report #\_\_\_\_.

☐ Updating the initial funding request based on more accurate site data or design analysis

☐ Status of accomplishments to date

☐ 3. Final Report (Following completion of work)

**A. Fire Name:** Dominic Point

**B. Fire Number:** MT-BRF-005250

**C. State:** MT

**D. County:** Ravalli

**E. Region:** 01- Northern

**F. Forest:** 03- Bitterroot

**G. District:** 01-Stevensville

**H. Fire Incident Job Code:** P1FM4H

**I. Date Fire Started:** July 13, 2010

**J. Date Fire Contained:** August 3, 2010

**K. Suppression Cost:** \$ 1,368,644

**L. Fire Suppression Damages Repaired with Suppression Funds**

1. **Fireline waterbarred (miles):** 2.0 miles

2. **Fireline seeded (miles):** none seeded; forested area

3. **Other (fireline blocked with woody debris ):** NA

**M. Watershed Numbers:** 170102051304 (Lower Burnt Fork Bitterroot River) and 170102051006 (Willow Creek)

**N. Total Acres Burned:**

[800] NFS Acres [ ] Other Federal [ ] State [ ] Private

**O. Vegetation Types:** Lodgepole/Beargrass/Huckleberry

**P. Dominant Soils:** Cryochrepts, Ustochrepts, 35-85% coarse fragments, cobble and gravel common. Rock outcrops, talus, and rubble land found on > 70% of burn area.

**Q. Geologic Types:** Meta-sedimentary (Belt) and Calc-silicates, predominately Quartzite

**R. Miles of Stream Channels by Order or Class:** NA

**S. Transportation System**

Trails: 1 mile      Roads: 1 mile

### **PART III - WATERSHED CONDITION**

**A. Burn Severity (acres):** 40 (low)      125 (moderate)      635 (high)

**B. Water-Repellent Soil (acres):** NA

**C. Soil Erosion Hazard Rating (acres):** (low) 40      125 (moderate)      635 (high)

**D. Erosion Potential:** 3.0 tons/acre, 1,920 cu yds/sq mi

**E. Sediment Potential:** 2.2 tons/ac, 1,408 cubic yards / sq mi

### **PART IV - HYDROLOGIC DESIGN FACTORS**

#### **Note: NO HYDROLOGIC DESIGN NEEDED**

**A. Estimated Vegetative Recovery Period, (years):** 2-5

**B. Design Chance of Success, (percent):** NA

**C. Equivalent Design Recurrence Interval, (years):** NA

**D. Design Storm Duration, (hours):** NA

**E. Design Storm Magnitude, (inches):** NA

**F. Design Flow, (cubic feet / second/ square mile):** NA

**G. Estimated Reduction in Infiltration, (percent):** NA

**H. Adjusted Design Flow, (cfs per square mile):** NA

## **PART V - SUMMARY OF ANALYSIS**

### **A. Describe Critical Values/Resources and Threats (narrative):**

Previously weed-free areas within High/moderate burn severity – loss of competing vegetation due to the fire will enable progressive migration of road & trail side weeds into new areas, some of which is within a MT Wilderness Study Area (Stony Mountain).

Threat to terrestrial ecosystem integrity: Spotted knapweed is present along the road systems in the area affected by the fire. Knapweed is known to have impacts to ecosystem integrity, including competition with native plants and reduction in quality of big game range.

### **B. Emergency Treatment Objectives (narrative):**

#### **1. Invasive Species**

- a. Weed Treatment (LT-1) would treat weeds along trail and road corridors that provide routes that invasive weed species could use to expand into the severely burned areas. New invaders and previously weed-free areas would be targeted.
- b. Weed Detection Surveys (LT-2) would track populations of invasive species for management purposes. Target areas for weed treatments would be identified and mapped. Surveys will be focused on detecting new weed infestations within the fire perimeter. Survey known and high potential infestation sites for noxious weed species in the burned area and determine need and extent of control treatment to be implemented. Survey weed treatments results to ensure objectives are being met. During 2011, survey spread of weeds into the burn area and any control treatments for effectiveness. Accurately map any new populations using GPS. Establish photo plots for documentation as needed.

### **C. Probability of Completing Treatment Prior to Damaging Storm or Event:**

**Land NA   Channel NA   Roads/Trails NA   Protection/Safety NA**

### **D. Probability of Treatment Success**

|                        | <b>Years after Treatment</b> |          |          |
|------------------------|------------------------------|----------|----------|
|                        | <b>1</b>                     | <b>3</b> | <b>5</b> |
| <b>Land</b>            |                              |          |          |
| Noxious weed treatment | 80                           | 85       | 85       |
| Noxious weed surveys   | 85                           | NA       | NA       |
|                        |                              |          |          |
| <b>Roads/Trails</b>    | NA                           | NA       | NA       |
|                        |                              |          |          |

|                          |    |    |    |
|--------------------------|----|----|----|
| <b>Protection/Safety</b> | NA | NA | NA |
|                          |    |    |    |

**E. Cost of No-Action (Including Loss):** XXX

**F. Cost of Selected Alternative (Including Loss):** \$4,826

**G. Skills Represented on Burned-Area Survey Team:**

|   |                                   |   |   |
|---|-----------------------------------|---|---|
| <input checked="" type="checkbox"/> Hydrology | <input type="checkbox"/> Soils    | <input type="checkbox"/> Geology        | <input checked="" type="checkbox"/> Range |
| <input type="checkbox"/> Forestry             | <input type="checkbox"/> Wildlife | <input type="checkbox"/> Fire Mgmt.     | <input type="checkbox"/> Engineering      |
| <input type="checkbox"/> Contracting          | <input type="checkbox"/> Ecology  | <input type="checkbox"/> Botany         | <input type="checkbox"/> Archaeology      |
| <input type="checkbox"/> Fisheries            | <input type="checkbox"/> Research | <input type="checkbox"/> Landscape Arch | <input type="checkbox"/> GIS              |

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**H. Treatment Narrative:**

(Describe the emergency treatments, where and how they will be applied, and what they are intended to do. This information helps to determine qualifying treatments for the appropriate funding authorities. For seeding treatments, include species, application rates and species selection rationale.)

**Land Treatments:**

***Noxious Weeds Control/Treatment (LT-1)***

**Objective:**

The purpose of the treatment is to maintain ecosystem integrity within the Stony Mountain Wilderness Study Area (WSA), where few noxious weed populations exist. Without treatment knapweed and other new invaders may spread into the severely burned areas. By reducing the amount of weed seed along roads & trails in the area, native species will have an opportunity to take advantage of the post-fire nutrient flush without competition from noxious weeds.

**Methods:**

Treat fire access road areas with spot treatments of picloram (Tordon 22K) or clopyralid (Transline or Stinger) where there are known noxious weed populations. Selected sites include roadside spraying along FR1302 where loss of ground cover has increased the risk of knapweed (*Centaurea maculosa*) spreading into the roadless and WSA areas to the east. Effects of herbicide treatments at the proposed rates using clopyralid or picloram are addressed in the Bitterroot National Forest Noxious Weed Environmental Assessment, and all implemented treatments would be consistent with this document.

***Noxious Weeds Detection/Treatment (LT-2)***

**Objective:**

The objective of the survey is to detect the presence of new invading weed species or expansion of existing species into new areas. The Stony Mountain WSA is basically weed-free but has been made more susceptible to weed invasion by the fire.

Methods:

Survey known and high potential infestation sites for noxious weed species in the burned area and determine need and extent of control treatment to be implemented. Accurately map new populations using GPS and GIS. Establish photo plots for documentation.

**Channel Treatments:** None

**Roads and Trail Treatments:** None

**Protection/Safety Treatments:** None

**I. Monitoring Narrative:**

**(Describe the monitoring needs, what treatments will be monitored, how they will be monitored, and when monitoring will occur. A detailed monitoring plan must be submitted as a separate document to the Regional BAER coordinator.)**

**(No monitoring requested)**

**Part VI – Emergency Stabilization Treatments and Source of Funds****Interim #**

| Line Items                               | Units | Unit Cost | # of Units | BAER \$ | Other \$ | # of units | Fed \$ | # of Units | Non Fed \$ | Total \$ |
|--|-------|-----------|------------|---------|----------|------------|--------|------------|------------|----------|
| <b>A. Land Treatments</b>                |       |           |            |         |          |            |        |            |            |          |
| Weed Detection Surv                      | acres | 16.86     | 110        | \$1,855 | \$0      |            | \$0    |            | \$0        | \$1,855  |
| Noxious Weed Treatm                      | acres | 70.84     | 25         | \$1,771 | \$0      |            | \$0    |            | \$0        | \$1,771  |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <i>Insert new items above this line!</i> |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>Subtotal Land Treatments</b>          |       |           |            | \$3,626 | \$0      |            | \$0    |            | \$0        | \$3,626  |
| <b>B. Channel Treatments</b>             |       |           |            |         |          |            |        |            |            |          |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <i>Insert new items above this line!</i> |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>Subtotal Channel Treat.</b>           |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>C. Road and Trails</b>                |       |           |            |         |          |            |        |            |            |          |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <i>Insert new items above this line!</i> |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>Subtotal Road &amp; Trails</b>        |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>D. Protection/Safety</b>              |       |           |            |         |          |            |        |            |            |          |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <i>Insert new items above this line!</i> |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>Subtotal Structures</b>               |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>E. BAER Evaluation</b>                |       |           |            |         |          |            |        |            |            |          |
| <b>team costs</b>                        |       |           |            | \$1,200 |          |            | \$0    |            | \$0        | \$0      |
| <i>Insert new items above this line!</i> |       |           |            | ---     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>Subtotal Evaluation</b>               |       |           |            | \$1,200 | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>F. Monitoring</b>                     |       |           |            |         |          |            |        |            |            |          |
|  |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <i>Insert new items above this line!</i> |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>Subtotal Monitoring</b>               |       |           |            | \$0     | \$0      |            | \$0    |            | \$0        | \$0      |
| <b>G. Totals</b>                         |       |           |            | \$4,826 | \$0      |            | \$0    |            | \$0        | \$3,626  |
| <b>Previously approved</b>               |       |           |            |         |          |            |        |            |            |          |
| <b>Total for this request</b>            |       |           |            | \$4,826 |          |            |        |            |            |          |

**PART VII - APPROVALS**

1. \_\_\_\_\_  
Forest Supervisor (signature) \_\_\_\_\_  
Date \_\_\_\_\_
2. \_\_\_\_\_  
Regional Forester (signature) \_\_\_\_\_  
Date \_\_\_\_\_