

BURNED-AREA REPORT

PART I - TYPE OF REQUEST

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

[x] 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: Cumaro

B. Fire Number: AZ-CNF-000048

C. State: Arizona

D. County: Pima

E. Region: 3

F. Forest: Coronado

G. District: Santa Catalina

H. Fire Incident Job Code: P3D8KN

I. Date Fire Started: 6/21/2008

J. Date Fire Contained: 6/30/2008

K. Suppression Cost: \$150,000

L. Fire Suppression Damages Repaired with Suppression Funds

1. Fireline waterbarred (miles):

2. Fireline seeded (miles): 0

3. Other (identify):

M. Watershed Number: 1505030201, 1505020209

N. Total Acres Burned: 725

NFS Acres(565) Other Federal () State (160) Private ()

O. Vegetation Types: open oak woodland, grass,

P. Dominant Soils ustochreptic camborthids

Q. Geologic Types: alluvium

R. Miles of Stream Channels by Order or Class:

3 miles first order

S. Transportation System

Trails: 0 miles

Roads: 0 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 660 (low) 60 (moderate) 0 (high)

B. Water-Repellent Soil (acres): negligible

C. Soil Erosion Hazard Rating (acres):

725 (low) (moderate) (high)

D. Erosion Potential: n/a tons/acre

E. Sediment Potential: n/a cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 3-5 years

B. Design Chance of Success, (percent): n/a

C. Equivalent Design Recurrence Interval, (years): n/a

D. Design Storm Duration, (hours): n/a

E. Design Storm Magnitude, (inches): n/a

F. Design Flow, (cubic feet / second/ square mile): n/a

G. Estimated Reduction in Infiltration, (percent): n/a

H. Adjusted Design Flow, (cfs per square mile): n/a

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

The MacKenzie Ranch is located at the base of the hill where this fire burned. An ephemeral wash draining the fire area is adjacent to their access driveway, and could flood the driveway more frequently than in the past.

It is anticipated that buffelgrass (*Pennisetum ciliare*) could spread due to the changed conditions after the wildfire and aggravated by suppression actions.

B. Emergency Treatment Objectives:

Inform the residents at Mackenzie Ranch that they may experience high water in the ephemeral wash adjacent to their driveway more frequently than in the past.

Prevent expansion of buffelgrass in burned area.

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

Land 95 % Channel n/a % Roads/Trails n/a % Protection/Safety n/a %

D. Probability of Treatment Success

| | Years after Treatment | | |
|-------------------|-----------------------|-----|-----|
| | 1 | 3 | 5 |
| Land | 85% | 85% | 85% |
| Channel | n/a | n/a | n/a |
| Roads/Trails | n/a | n/a | n/a |
| Protection/Safety | n/a | n/a | n/a |

E. Cost of No-Action (Including Loss): \$10,000

F. Cost of Selected Alternative (Including Loss): \$1,000

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"/> |
| <input type="checkbox"/> Forestry | <input checked="" type="checkbox"/> Wildlife | <input type="checkbox"/> Fire Mgmt. | <input type="checkbox"/> Engineering | <input type="checkbox"/> |
| <input type="checkbox"/> Contracting | <input type="checkbox"/> Ecology | <input type="checkbox"/> Botany | <input type="checkbox"/> Archaeology | <input type="checkbox"/> |
| <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:

Survey for buffelgrass and if found, treat by hand pulling or grubbing, or with herbicide. The buffelgrass will be surveyed after the summer rainy season in 2008 and again in 2009 and 2010. There is existing NEPA analysis for hand grubbing or use of glyphosate, metsulfuron methyl, and imazapic on buffelgrass. An interim burned area report will be submitted updating this initial funding request if buffelgrass is found in expanded areas due to the fire.

Channel Treatments: n/a

Roads and Trail Treatments: n/a

Protection/Safety Treatments: Residences at the MacKenzie Ranch will be informed of the likelihood of increased flow for the next two years from the watershed behind their house. This can be done during the course of normal business with them as range permittees.

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.)

The area will be monitored as part of the ongoing range allotment monitoring.

Part VI – Emergency Stabilization Treatments and Source of Funds

Interim #

| | | | NFS Lands | | | | Other Lands | | | All | |
|-----------------------------------|-------|------|-----------|---------|-------|--|-------------|-----|-------|---------|---------|
| | | Unit | # of | | Other | | # of | Fed | # of | Non Fed | Total |
| Line Items | Units | Cost | Units | BAER \$ | \$ | | units | \$ | Units | \$ | \$ |
| | | | | | | | | | | | |
| A. Land Treatments | | | | | | | | | | | |
| survey for buffelgrass | | 2 | 500 | \$1,000 | \$0 | | | \$0 | | \$0 | \$1,000 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Insert new items above this line! | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Subtotal Land Treatments | | | | \$1,000 | \$0 | | | \$0 | | \$0 | \$1,000 |
| B. Channel Treatments | | | | | | | | | | | |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Insert new items above this line! | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Subtotal Channel Treat. | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| C. Road and Trails | | | | | | | | | | | |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Insert new items above this line! | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Subtotal Road & Trails | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| D. Protection/Safety | | | | | | | | | | | |
| Inform residents | 1 | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Insert new items above this line! | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Subtotal Structures | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| E. BAER Evaluation | | | | | | | | | | | |
| person-days | days | 400 | 2 | --- | \$800 | | | \$0 | | \$0 | \$800 |
| Insert new items above this line! | | | | --- | \$0 | | | \$0 | | \$0 | \$0 |
| Subtotal Evaluation | | | | --- | \$800 | | | \$0 | | \$0 | \$800 |
| F. Monitoring | | | | | | | | | | | |
| | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Insert new items above this line! | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| Subtotal Monitoring | | | | \$0 | \$0 | | | \$0 | | \$0 | \$0 |
| | | | | | | | | | | | |
| G. Totals | | | | \$1,000 | \$800 | | | \$0 | | \$0 | \$1,800 |
| Previously approved | | | | | | | | | | | |
| Total for this request | | | | \$1,000 | | | | | | | |

PART VII - APPROVALS

- /s/ Jeanine A Derby 7/3/2008
 Forest Supervisor (signature) Date
- /s/ Faye Krueger for Corbin Newman 7/22/2008
 Regional Forester (signature) Date