USDA-FOREST SERVICE FS-2500-8 (6/06)

Date of Report: 10/05/2007
Revised: 11/26/2007

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

[X] 1. Funding request for estimated emergency stabilization funds
[ ] 2. Accomplishment Report
[ ] 3. No Treatment Recommendation

B. Type of Action

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

[X] 2. Interim Report #1 Blue font Interim # 1; first year post fire Green font 11/26/2007 revision
[ ] 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)

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: Somes

B. Fire Number: CA-SRF-000997

C. State: California

D. County: Humboldt, Siskiyou

E. Region: R5 Pacific Southwest

F. Forest: Six Rivers & Klamath

G. District: Orleans, Ukonom

H. Fire Incident Job Code: P5C1UK

I. Date Fire Started: 7/23/06

J. Date Fire Contained: 10/18/2006

K. Suppression Cost: $17,671,163

L. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles):
2. Fireline seeded (miles):
3. Other (identify):

M. Watershed Number: 1801021003 (180102090802)

N. Total Acres Burned: 15,710
NFS Acres(X) Other Federal ( ) State ( ) Private ( )

O. Vegetation Types: Early and mid-mature Doug Fir, Alder, Tanoak and oakwoodland

P. Dominant Soils: Rock outcrops and major timber producing soils with slopes > 65%
Q. Geologic Types: Metavolcanic

R. Miles of Stream Channels by Order or Class:
40 Miles

S. Transportation System

Trails: 17 miles Roads: 28 miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 9,573 (low) 4,452 (moderate) 1,093 (high)

B. Water-Repellent Soil (acres): Zero

C. Soil Erosion Hazard Rating (acres):
15,710 (low) ___ (moderate) ___ (high)

D. Erosion Potential: 22 tons/acre

E. Sediment Potential: 8,600 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 15

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 Some Fire, also known as the Orleans Complex, was started by lighting on July 24, 2006. It started due east of the town of Orleans, CA. Due to steep inaccessible terrain it burned for several months spreading primarily north by northeast. The fire is flanked by the Salmon River to the north, the Klamath River to the west, Butler Creek and the Salmon River to the east and Antenna Ridge to the south. The steep topography restricted the use of cat lines and less than one mile of cat line was constructed. This amounted to several short segments built off of Monty Creek road (11N11) and not completed because steep cross slopes made progress unsafe. These were treated during suppression rehab. No straw mulching was used on the fire. During the month of August an equipment cleaning station was set up in fire camp due to concerns over the spread of Port-orford cedar root disease. All vehicles entering and leaving the fire were washed. The wash station was removed in Septemeber when suppression activity was scaled back and traffic to and from the fire was restricted to Highway 96 the Salmon River Road, and the Antenna Ridge road leading to Orleans

Mountain. An initial assessment of emergency restoration needs has determined that soil stabilization/hillsope erosion treatments, channel treatments, and roads and trail treatments are not needed. An initial assessment of the potential for spread of invasive weeds has found that three spotted knapweed sites occur on the north flank of the fire adjacent to the Salmon River. Additionally, three yellow star-thistle sites exist along the Salmon River road that is on the east flank of the fire which served as one of the primary access routes. Noxious weeds are a serious environmental concern throughout the Region. These noxious weed species are known to threaten natural diversity, habitat for fish, wildlife and native plants, soil stability, and ecosystem processes. They are spreading at an alarming rate in California, and fast encroaching onto National Forest System lands.

B. Emergency Treatment Objectives:
The objective of the noxious weed detection assessment is to use early detection and hand removal to prevent the spread of known populations of spotted knapweed and yellow star thistle that are on the north and east perimeter of the fire into the interior.

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

	Years after Treatment		
	1	3	5
Land	NA	NA	NA
Channel	NA	NA	NA
Roads/Trails	NA	NA	NA
Protection/Safety	NA	NA	NA

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

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

[X] Hydrology	[X] Soils	[ ] Geology	[ ] Range
[ ] Forestry	[X] Wildlife	[ ] Fire Mgmt.	[ ] Engineering
[ ] Contracting	[ ] Ecology	[X] Botany	[ ] Archaeology
[X] Fisheries	[ ] Research	[ ] Landscape Arch	[X] 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:

Invasive weeds: Treatment includes invasive weed detection assessment of dozer lines, and access routes, including manual treatment of any detected occurrences. Intent of the treatments would be to prevent the spead of existing infestations of spotted knapweed and yellow star thistle occuring along the Salmon River road on the north and east flank of the fire into adjacent burned areas or other roads used to access the fire. Treatments would occur in the summer of 2007. Pending results, funding for monitoring would be requested for FY 2008.

Accomplishments for 2007 First Year Post Fire (Blue font)

In 2007 dozer lines within the Somes Fires (noted in the table below) were inventoried where they intersect Forest Service roads. No invasive weeds were found at the intersections inventoried.

Two Forest Service roads within the Somes Fire (noted in the table below) were inventoried for invasive weeds. A yellow star-thistle infestation was found on 11N09 and treated. It is recommended that this infestation be treated again in 2008 and weed cloth be installed to inhibit seed bank growth.

Two helispots used in the Somes Fire (noted in the table below) were inventoried for invasive weeds. Yellow star-thistle was found at both sites. It is recommended that these infestations be treated again in 2008.

Dozer Lines	Date Surveyed	Acres Surveyed	Comments	Acres Treated	Personnel
off 11N02	9/26/2007	.5	No Weeds Found	0	GS-11, GS-07
off 11N09 (.25 mi before end)	8/28/2007	.5	No Weeds Found	0	GS-11, GS-07
off end of 11N09	9/26/2007	.5	No Weeds Found	0	GS-11, GS-07

Roads	Date Surveyed	Miles Surveyed	Comments	Acres Treated	Personnel
11N09	8/28/2007	4.5	CESO3 found Needs Weedcloth	0.2	GS-11, GS-07
11N11	9/26/2007	2	No Weeds Found	0	GS-11, GS-07

Helispots	Date Surveyed	Acres Surveyed	Comments	Acres Treated	Personnel
3-ac serpentine area	8/27/2007	3	CESO3 found	1.0	GS-11, GS-07
helispot off 15N17	8/27/2007	2	CESO3 found	0.5	GS-11, GS-07

Recommendation for 2008 (second year post fire):

It is recommended, for second year post fire (2008), that yellow star-thistle sites treated in 2007 be re-inventoried twice in 2008 and hand pulled if necessary and that weed cloth be installed at the infestation adjacent to 11N09. Funding requested for this effort is as follows:

Personnel	**Days**	**Cost/Day**	**Total**		**Totals**
GS-11	10	$326	$3,260		
GS-09	15	$190	$2,850		$6,110
Vehicle	FOR	Use	Mileage	$Mileage	
	$111.67	$0.49	1300	$637.00	$750
Per diem	**Days**	**Cost/Day**			
	3	$200			$600
Weed cloth (one 6' X 250' rolls)					$220
				Grand Total =	$7,680

Channel Treatments:

Roads and Trail Treatments:

Protection/Safety Treatments:

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.)

Part VI – Emergency Stabilization Treatments and Source of Funds **Interim # 1**

			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										
Detection/treatment	Days	$260	15	$3,900	$0		$0		$0	$3,900
Vehicle	Job	$972	1	$972	$0		$0		$0	$972
Per diem	Job	$168	1	$168	$0		$0		$0	$168
Insert new items above this line!				$0	$0		$0		$0	$0
Subtotal Land Treatments				$5,040	$0		$0		$0	$5,040
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										
				$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										
Initial survey	Job	$8,575	1	$8,575	$0					
Tracking/reporting	Job	$2,500	1	$2,500	$0					
Nox Weed assessmnt	Job	$300	1	$300	$0					
Nox Weed assessmnt	Job	$7,680	1	$7,680	$0					
				$0	$0		$0		$0	$0
Insert new items above this line!				---	$0		$0		$0	$0
Subtotal Evaluation				$19,055	$0		$0		$0	$0
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

PART VII - APPROVALS

1. */s/ Tyrone Kelley* — *Nov. 27, 2007*
   Forest Supervisor (signature) — Date

2. */s/ Julie Lydick (for)* — *1-14-08*
   Regional Forester (signature) — Date