

Date of Report: 05/07/08

BURNED-AREA REPORT
(Reference FSH 2509.13)

PART I - TYPE OF REQUEST

A. Type of Report

- ☐ 1. Funding request for estimated WFSU-SULT funds
- ☐ 2. Accomplishment Report
- ☒ 3. No Treatment Recommendation

B. Type of Action

- ☐ 1. Initial Request (Best estimate of funds needed to complete eligible rehabilitation 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)

PART II - BURNED-AREA DESCRIPTION

A. Fire Name: Santa Anita

B. Fire Number: CA-ANF-001220

C. State: CA

D. County: Los Angeles

E. Region: 05

F. Forest: Angeles NF

G. District: Los Angeles River

H. Date Fire Started: April 26, 2008

I. Date Fire Contained: May 4, 2008

J. Suppression Cost: _____

K. Fire Suppression Damages Repaired with Suppression Funds

- 1. Fireline waterbarred (miles): _____
- 2. Fireline seeded (miles): _____
- 3. Other (identify): _____

L. Watershed Number: _____

M. Total Acres Burned: 584

NFS Acres(**248**) Other Federal () State () Private () City of Sierra Madre (336)

N. Vegetation Types: _____

O. Dominant Soils: _____

P. Geologic Types: Mostly granite with smaller outcrops of metamorphic rock

Q. Miles of Stream Channels by Order or Class:

R. Transportation System

Trails: _ miles Roads: _ miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres) (low) (moderate) (high)

B. Water-Repellent Soil (acres):

C. Soil Erosion Hazard Rating (acres):

i. Entire Fire:

1. Low
2. Moderate
3. High

ii. Forest land only:

1. Low
2. Moderate
3. High

E. Erosion Potential:

E. Sediment Potential:

PART IV - HYDROLOGIC DESIGN FACTORS

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

B. Design Chance of Success, (percent): _____

C. Equivalent Design Recurrence Interval, (years): _____

D. Design Storm Duration, (hours): _____

E. Design Storm Magnitude, (inches): _____

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

G. Estimated Reduction in Infiltration, (percent): _____

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

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats

Although this was a small fire by size the hill slopes are highly unstable for future debris landslides and debris flow with some rock fall. The resources at risk lie entirely within the municipality of Sierra Madre and include

residences, roads, bridges and other facilities. Based on field and office analyses the risk rating for these resources at risk are high to very high.

Threat to Life

The sites listed below are mostly residential areas that are directly downstream and downhill of burned forest lands. Lives are potentially at risk in homes that are located in flood prone and debris flow prone areas, or on roads where flash flooding causes washouts and loss of road structures and control of water.

LOCATION	Hazard & Values at Risk
Area below the Auburn Debris Dam	Flooding, Debris Flows & Rock Fall Homes, roads and bridges within the main drainage, below smaller tributaries and below burned slopes.
Area below the Carter Debris Dam	Flooding, Debris Flows & Rock Fall Homes, roads and bridges within the main drainage, below smaller tributaries and below burned slopes.
Area below from the Sierra Madre Debris Dam	Flooding, Debris Flows & Rock Fall Homes, roads and bridges within the main drainage, below smaller tributaries and below burned slopes.
Area below the Sturtevant Debris Dam	Flooding, Debris Flows & Rock Fall Homes, roads and bridges within the main drainage, below smaller tributaries and below burned slopes.
Residences between the unnamed streams and Little Santa Anita Canyon	Flooding, Debris Flows & Rock Fall Homes, roads and bridges within the main drainage, below smaller tributaries and below burned slopes.

Threat to Property

Forest Road System – No Forest roads are within the fire area although the access road to Chantry Flat lies along the eastern boundary of the fire.

Trails – The Mount Wilson Trail was within the burned area.

Homes below Forest Service Land – Several residences in various areas of the burn are below Forest Service land that are in the pathway for debris landslide, debris flow and rock fall run-out.

B. Emergency Treatment Objectives:

- 1) Prevent loss of life and risk to human safety through storm patrols and evacuation plans.

C. Probability of Completing Treatment Prior to First Major Damage-Producing Storm:

Land ___ % Channel ___ % Roads ___ % Other ___ %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			

Roads			
Other			

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

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

<input type="checkbox"/> Hydrology	<input type="checkbox"/> Soils	<input checked="" type="checkbox"/> Geology	<input type="checkbox"/> Range	<input type="checkbox"/>
<input type="checkbox"/> Forestry	<input 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:

There are no viable land treatments for mitigating future slope movements within Forest System Lands. Additional debris dams may be an option for collecting failed slope materials but the only areas where these can be constructed are within the municipality of Sierra Madre and not on federal lands.

Channel Treatments: None

Roads and Trail Treatments:

Access Barriers – NA

Treatments include:

Roads

The access road to the Chantry Flat area needs no treatments

Trails

The Mount Wilson Trail will need repairs in some localities but all of these appear to be on land

maintained by the municipality of Sierra Madre

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.)

There are no viable treatments to take place on National Forest System Lands. What can be provided is assistance with stakeholders in providing storm patrols in order to determine if and when evacuations of the residences during and after winter storms need to occur.

Part VI – Emergency Rehabilitation Treatments and Source of Funds by Land Ownership

Line Items	Units	Unit Cost	NFS Lands				Other Lands			All Total \$
			# of Units	WFSU SULT \$	Other \$		# of units	Fed \$	# of Units Non Fed \$	
A. Land Treatments										
				\$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
<i>Subtotal Land Treatments</i>				\$0	\$0			\$0	\$0	\$0
B. Channel Treatments										
				\$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
<i>Subtotal Channel Treat.</i>				\$0	\$0			\$0	\$0	\$0
C. Road and Trails										
				\$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
<i>Subtotal Road & Trails</i>				\$0	\$0			\$0	\$0	\$0
D. Structures										
				\$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
<i>Subtotal Structures</i>				\$0	\$0			\$0	\$0	\$0
E. BAER Evaluation										
				\$0	\$0			\$4,350	\$0	\$4,350
				\$0	\$0			\$0	\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Evaluation</i>				\$0	\$0			\$4,350	\$0	\$4,350
F. Monitoring										
Storm Patrol				\$0	\$0			\$3,000	\$0	\$3,000
<i>Insert new items above this line!</i>				\$0	\$0			\$0	\$0	\$0
<i>Subtotal Monitoring</i>				\$0	\$0			\$3,000	\$0	\$3,000
G. Totals				\$0	\$0			\$7,350	\$0	\$7,350

PART VII - APPROVALS

1. _____
Forest Supervisor (signature)

Date

2. _____
Regional Forester (signature)

Date