United States Department of Agriculture **Forest Service** **Humboldt-Toiyabe National Forest**
1200 Franklin Way
Sparks, NV 89431-6432
(775) 331-6444 Fax (775)355-5399

File Code: 2520 **Date:** September 16, 2002

Subject: Cold Springs Fire BAER Interim Report

To: Jack Troyer, Regional Forester

Enclosed is a Burned-Area Interim Report for the Cold Springs Fire on the Humboldt-Toiyabe National Forest, Ely Ranger District. A previous report on this fire had been submitted on July 24, 2002. This interim report covers the monitoring and evaluation costs. Please review the report and if acceptable, complete Part VII-Approvals with your signature and forward to Jeff Bruggink for further processing. If there are modifications or additions needed, please provide comments to Loretta Cartner, BAER Team Leader, Ely Ranger District.

/s/Karen Shimamoto For
ROBERT L. VAUGHT
Forest Supervisor

cc: Jeff Bruggink

Enclosure

Date of Report: **8-23-02**

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
[**X**] 3. No Treatment Recommendation

B. Type of Action

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

[**X**] 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: **Cold Springs**

B. Fire Number: **P44813 (Y019)**

C. State: **Nevada**

D. County: **Nye**

E. Region: **04**

F. Forest: **17 - Humboldt-Toiyabe**

G. District: **09 - Ely**

H. Date Fire Started: **7-12-02**

I. Date Fire Contained: **7-14-02**

J. Suppression Cost: **$7000 (estimated)**

K. Fire Suppression Damages Repaired with Suppression Funds
1. Fireline waterbarred (miles): **None**
2. Fireline seeded (miles): **None**
3. Other (identify):

L. Watershed Number: **16060014-019 – Garden Valley**

M. Total Acres Burned**: 597**
NFS Acres(**547**) Other Federal BLM(**50**) State ( ) Private ( )

N. Vegetation Types: **Sagebrush / grass steppe ≅ 90%, Pinyon/juniper woodland ≅ 10%**

O. Dominant Soils: **silty loam with gravely surface**

P. Geologic Types: **Qa – Alluvium; Landform – low to moderate dissected bajada**

Q. Miles of Stream Channels by Order or Class: **Class 4 – estimated 2 miles, Class 1,2,&3 - None**

R. Transportation System

Trails: **0** miles Roads: **1** miles

PART III - WATERSHED CONDITION

A. Burn Severity (acres): **447** (low) **100** (moderate) **0** (high)

B. Water-Repellent Soil (acres): **30 weak**

C. Soil Erosion Hazard Rating (acres):
500 (low) **47** (moderate) ___ (high)

D. Erosion Potential: **0.57** tons/acre

E. Sediment Potential: **26** cubic yards / square mile

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 Watershed Emergency:

B. Emergency Treatment Objectives:

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

Land **na** % Channel **na** % Roads **na** % Other **na** %

D. Probability of Treatment Success

	Years after Treatment		
	1	3	5
Land			
Channel			
Roads			
Other			

E. Cost of No-Action (Including Loss): **$547,000**

F. Cost of Selected Alternative (Including Loss):

G. Skills Represented on Burned-Area Survey Team:

[**x**] Hydrology [**x**] Soils [**x**] Geology [**x**] Range [ ]
[ ] Forestry [**x**] Wildlife [**x**] Fire Mgmt. [**x**] Engineering [ ]
[ ] Contracting [ ] Ecology [**x**] Botany [ ] Archaeology [ ]

[ ] Fisheries [ ] Research [ ] Landscape Arch [ ] GIS

Team Leader: Loretta Cartner

Email**: lcartner@fs.fed.us** Phone**: (775) 289-5120** FAX: **(775) 289-2132**

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: **None**

Channel Treatments: **None**

Roads and Trail Treatments: **None**

Structures: **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.) **The burn needs to be monitored for weeds. Russian knapweed and Russian thistle are known to grow in drainages to the south approximately 3 miles. The prevailing winds come out of the south and therefore there is a chance that noxious weeds may establish in the burn area and in particular along the main access road that flanks the north end of the fire. In addition, vehicles that traveled overland through the burn area could have transported weed seed.**

Weed monitoring will be completed for at least one year. If additional years are needed, an interim report will be submitted in 2003. Monitoring will take place in mid-summer and will consist of walking 5-1000 foot long transects through the fire on a random basis in addition to driving all access roads. These transects will be located and mapped used GPS. Any weed locations found will be recorded in a field notebook and digital photo and their locations mapped using GPS. One GS-9 technician will be needed for the monitoring. Monitoring will take 2 field days since the site is so remote and travel time is approximately 5 hours round trip. Monitoring information will be submitted to the BAER team leader for evaluation. After review of the data, another interim report will be completed and submitted if necessary. Otherwise a final report will be submitted.

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

			NFS Lands				Other Lands			All
		Unit	# of	WFSU	Other	# of	Fed	# of	Non Fed	Total
Line Items	Units	Cost	Units	SULT $	$	units	$	Units	$	$
							$0		$0	$0
A. Land Treatments				$0			$0			
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Land Treatments				$0			$0		$0	$0
B. Channel Treatments										
				#REF!			#REF!		#REF!	#REF!
				$0			$0		$0	$0
Subtotal Channel Treat.				#REF!			#REF!		#REF!	#REF!
C. Road and Trails										
				#REF!			$0		$0	#REF!
				#REF!			$0		$0	#REF!
Subtotal Road & Trails				#REF!			$0		$0	#REF!
D. Structures										
				$0			$0		$0	$0
				$0			$0		$0	$0
Subtotal Structures				$0			$0		$0	$0
E. BAER Evaluation										
GS-11 BAER leader	day	275	3.5	$963			$0		$0	$963
GS-11 BAER member	day	231	1	$231			$0		$0	$231
GS-11 BAER member	day	$235	1	$235						
F. Monitoring							$0		$0	$0
GS-9 technician	day	$165	3	$495						
GS-11 BAER leader	day	$290	1	$290						
vehicle	day	$300	2	$600						
G. Totals				**$2,814**			**#REF!**		**#REF!**	**#REF!**

PART VII - APPROVALS

1.
/s/Karen Shimamoto For
ROBERT L. VAUGHT
Forest Supervisor

September 16, 2002
Date

2. _____ _____
Regional Forester (signature) Date