

(Reference FSH 2509.13)

Q. Geologic Types: Coconino Sandstone, Kaibab Limestone

R. Miles of Stream Channels by Order or Class: 24 miles intermittant, 16 miles ephemeral

S. Transportation System

Trails: 0 miles Roads: 110 miles open and closed

PART III - WATERSHED CONDITION

A. Burn Severity (acres): 5919 (low) 373 (moderate) 0 (high) 1470 (unburned)

B. Water-Repellent Soil (acres): None found

C. Soil Erosion Hazard Rating (acres):
4,915 (low) (moderate) 2,847 (high)

D. Erosion Potential: 10.0 tons/acre

E. Sediment Potential: 6,425 cubic yards / square mile

PART IV - HYDROLOGIC DESIGN FACTORS

A. Estimated Vegetative Recovery Period, (years): 1-2 yrs.

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): > 5%

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

PART V - SUMMARY OF ANALYSIS

A. Describe Critical Values/Resources and Threats:

Soil Burn Severity was provided by RSAC and verified in the field December 4, 2007. Risk to all of the following values are considered to be low due to the limited amount of moderate soil burn severity acres, and with no high soil burn severity acres. Those resource values at low risk include loss of soil productivity, downstream values to streamside vegetation and fish habitat, sediment input to Clear Creek Reservoir, damage to road and stream structures and dam downstream from high flows, loss of spotted owl habitat. There was an estimated total of 2 to 3 inch of rain on December 1st and 2nd that did not result in accelerated soil loss, or show evidence of unusual runoff within tributaries of Wilkins Canyon, the main drainage within the fire. Soil moisture infiltration was deep in upland sites (up to 12 inches in the sampled areas). Litter and duff was only partially consumed under the tree canopies, fire killed trees still have needles that will eventually fall and provide additional protective litter. Emergency consultation was completed for MSO and available for review

on request. It is the BAER team's recommendation that no treatments be prescribed and implemented on this burned area as soil cover was not significantly reduced and soil infiltration was not affected.



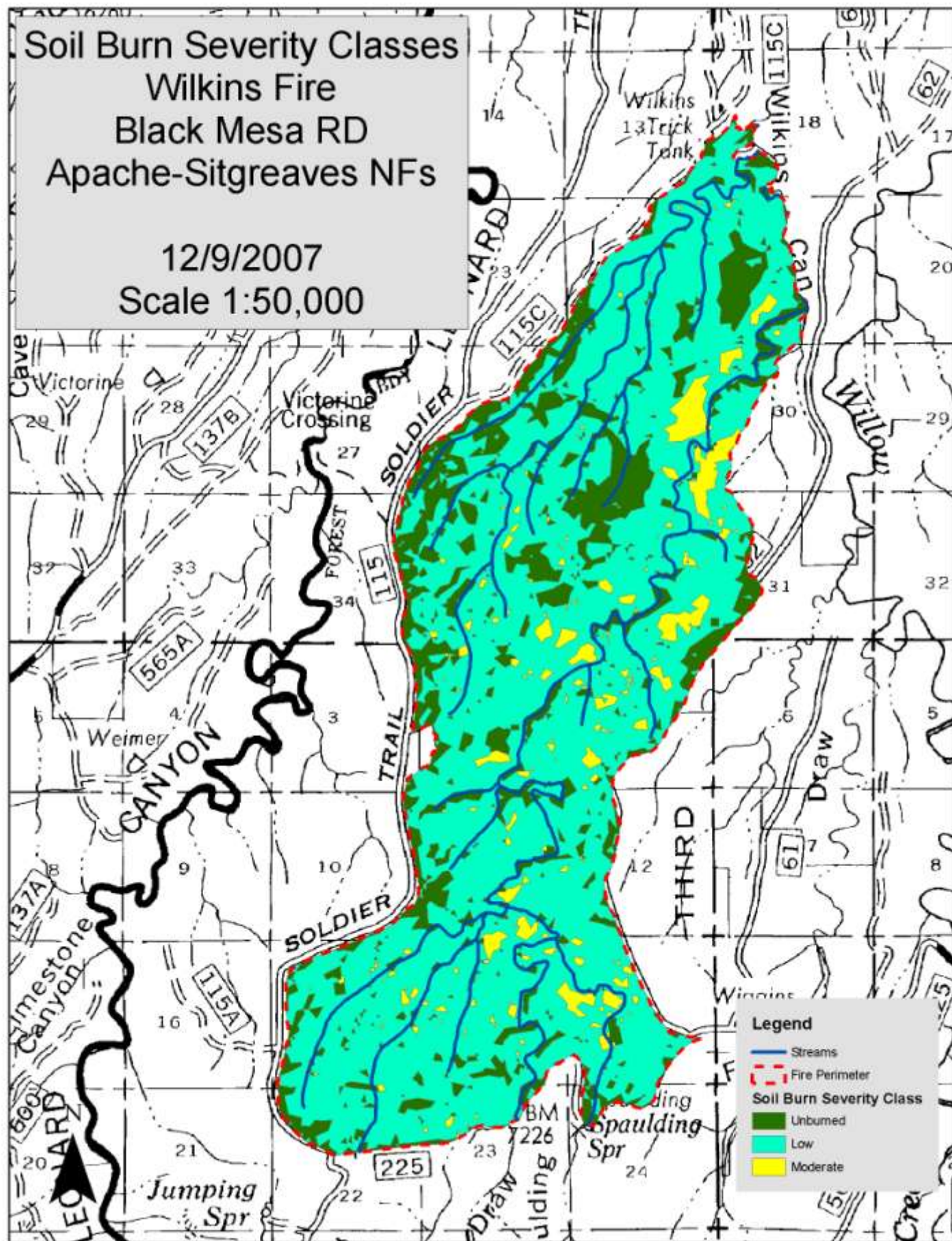
Typical ground cover conditions under low to moderate soil burn severity.



Fire killed trees, however some duff and litter remains on the soil surface. Needle cast as well as grass re-establishment will contribute to ground cover to protect soils.

Soil Burn Severity Classes
Wilkins Fire
Black Mesa RD
Apache-Sitgreaves NFs

12/9/2007
Scale 1:50,000



B. Emergency Treatment Objectives: None Recommended.

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

D. Probability of Treatment Success N/A

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

F. Cost of Selected Alternative (Including Loss): N/A

G. Skills Represented on Burned-Area Survey Team:

<input checked="" type="checkbox"/> Hydrology	<input checked="" type="checkbox"/> Soils	<input type="checkbox"/> Geology	<input checked="" type="checkbox"/> Range
<input type="checkbox"/> Forestry	<input checked="" 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 checked="" type="checkbox"/> Archaeology (para)
<input type="checkbox"/> Fisheries	<input type="checkbox"/> Research	<input type="checkbox"/> Landscape Arch	<input checked="" type="checkbox"/> GIS RSAC

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H. Treatment Narrative: N/A

I. Monitoring Narrative: N/A

Part VI – Emergency Stabilization Treatments and Source of Funds

Interim #

Line Items	Units	Unit Cost	NFS Lands		Other \$	Other Lands				All Total \$
			# of Units	BAER \$		# 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. Protection/Safety										
				\$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	\$0
<i>Insert new items above this line!</i>				---	\$2,200		\$0		\$0	\$2,200
<i>Subtotal Evaluation</i>				---	\$2,200		\$0		\$0	\$2,200
F. Monitoring										
				\$0	\$0		\$0		\$0	\$0
<i>Insert new items above this line!</i>				\$0	\$0		\$0		\$0	\$0
<i>Subtotal Monitoring</i>				\$0	\$0		\$0		\$0	\$0
G. Totals				\$0	\$2,200		\$0		\$0	\$2,200
Previously approved										
Total for this request				\$0						

PART VII - APPROVALS

 1. _____
 Forest Supervisor (signature)

 Date

 2. _____
 Regional Forester (signature)

 Date