

WILDFIRE SUPPRESSION DOCUMENTATION

This form is used to document actions taken on a wildfire that may affect threatened or endangered species, their habitat, or designated critical habitat. This form constitutes the report to the U.S. Fish and Wildlife Service (FWS) on this wildfire suppression action. Please note that additional consultation may be required if conservation measures cannot be followed or if incidental take is exceeded (see FWS File # 02-21-03-F-0210). Depending upon scope and effects, separate consultation may be needed for BAER activities.

GENERAL FIRE INFORMATION

Fire Name: _____ BLM Fire # _____

Fire Start Date: _____ Fire Suppression End Date: _____

Date(s) Contacted FWS: _____ FWS Contact Name: _____

Resource advisor name(s) and contact information: _____

Notes: _____

**Provide information discussed with FWS contact. Include any decision items and/or reporting requirements agreed upon during the course of the suppression action. Add additional dates and contact names to this form when appropriate.*

Consultation # 02-21-03-F-0210 _____ New FWS File # Issued: _____

Cause of Fire: _____

Fire Location Description/Legal Description: _____

**Include a Vicinity Map. Please provide GIS shapefiles.*

General Description of Habitat [e.g., Brown and Lowe classification]: _____

Suppression Start Date: _____ Suppression End Date: _____

**Include a Suppression Action Map. Show all suppression actions applied to the fire. Delineate dozer lines, hand lines, burn out areas, locations of retardant/water drops, base camp, staging areas, spike camp, helispot, water dip site, etc. Locating the boundary where the wildfire and fire suppression operations meet may be difficult at times; however, this information is helpful when identifying effects to T/E species from suppression actions. Please provide GIS shapefiles.*

Emergency Stabilization Start Date: _____ Emergency Stabilization End Date: _____

Rehabilitation Start Date: _____ Rehabilitation End Date: _____

Emergency Stabilization/Rehabilitation Description and Location: [If emergency stabilization/rehabilitation actions occur greater than 30 days after containment of the wildfire, a separate Section 7 consultation may be required.]

**Provide a description of the suppression/emergency stabilization operations listed in the 24hr Activity Report(s) (Appendix A). Include the type(s) of equipment used, number of personnel on the fire, methods, locations, etc. Where applicable, correlate the suppression/emergency stabilization/rehabilitation operations with the appropriate maps. Please provide a copy of the 209 forms (initial fire report) and attach them to this form.*

**Include an Emergency Stabilization/Rehabilitation Map. Show all Emergency Stabilization/Rehabilitation actions applied to the fire; combine the location of these actions with the Suppression Action Map if possible. Please provide GIS shapefiles.*

Table 1. Aerial suppression equipment and associated actions

Action and/or Equipment Type	Water Only Drops	No. Drops/Aircraft Type	No. of Aerial Flights Over Action Area	Height Above Ground within T/E Habitat (Range in feet)	No. of Water Dips from Waterway ¹	Total Acres Impacted
Helicopter						
Fixed Wing						
Aerial Strip Lighting						

**The list of actions and equipment above are for example only. Please fill in the appropriate actions and/or equipment type used on the wildfire.*

Table 2. Ground-based suppression equipment and actions

Action and/or Equipment Type	Description of use	Location	Feet/miles of line or acres impacted
Engine			
Dozer Line			
Hand Line			
Burnout			

¹ If more than one location is used, please provide an additional table with the location name and # of water dips. Water dip locations should be shown on the Suppression Action Map.

Backfire			

**The list of actions and equipment above are for example only. Please fill in the appropriate actions and/or equipment type used on the wildfire. Please include any other actions that required habitat removal for staging areas, spike camps, helispots, etc.*

Table 3. Ground/Aerial Suppression chemicals used

Fire Chemical Product	Aerial Application (Y/N)	Ground Application (Y/N)	Gallons Applied
Fire-Trol GTS-R			
Phos-Chek 259-R			
Ansul Sylv-ex			
Flame Guard Gel			

**The list of fire chemical products above is for example only. Please fill in the appropriate chemicals used on the wildfire. Report all chemical drops applied within 300 feet of a waterway or with the potential to impact a waterway.*

Wildfire Burn Acres:

Severity Burn Acres (approximate)

Low:
Moderate:
High:

Suppression Burn Acres:

Severity Burn Acres (approximate)

Low:
Moderate:
High:

**If the above information is available or can be obtained, please provide a Burn Severity Map. Include the low, moderate, and high severity burn locations and delineate them according to Fire Burn and Suppression Burn polygons. Please provide GIS shapefiles.*

Table 4. General/species-specific conservation measures applied

General/Species Specific Conservation Measure Applied	Modification Made To Conservation Measure	Date FWS Official Notified of Modification	FWS Contact Name

**Provide a list of conservation measures applied during the course of the action. The date and contact name may be similar to the contact information on page 1 of this form; however, this table is important for identifying conservation measures implemented and modified. If*

applicable, please include in the Comments section below how the conservation measures were modified.

Comments:

T/E SPECIES WITHIN THE ACTION AREA AND ASSOCIATED EFFECTS

Table 5. Affected T/E Species and habitat acres located within the action area. For the Mexican spotted owl, please report restricted and protected habitat.

Common Name	Suitable Unsurveyed Habitat	Occupied Habitat	Critical Habitat

**The Action Area Map (see Status of the Species within the Action Area) will help identify species located within the Action Area.*

Environmental Baseline [species condition/habitat condition and status in the area]:

**Describe the effects of the past and ongoing human and natural factors leading to the current status of the species and habitat within the action area prior to the action for the species listed in Table 3. Reference recent biological assessment/opinions or other documents, if available.*

**Provide an Action Area Map and delineate a boundary to show all areas affected by suppression/rehabilitation actions. This boundary should be larger than the action (or fire boundary) itself. When delineating the boundary, consider all potential effects to T/E species associated with suppression/rehabilitation actions such as sensitivity to noise, flight patterns, wind patterns and smoke, chemical products, sediment transport, etc. Show T/E species locations and critical habitat within the action area boundary. Please provide GIS shapefiles.*

T/E Species Survey Information: [Please indicate when surveys were last completed.]

Table 7. Effects determinations

Species Name and Location	Effect to Species	Effect to Critical Habitat	Determinations
			NE – No Effect
			NLAA – Not Likely to Adversely Affect
			LAA – Likely to Adversely Affect

**Table 7 must be filled out by a knowledgeable biologist. Your effects determination should be based on information provided in the Suppression Action Map, Emergency Stabilization Map, Action Area Map, Burn Severity Map, Appendix A, and Tables 1, 2, and 4. The determinations and species listed in the columns above are for example only.*

Comments:

**Please provide feedback on the use/application of this form and its contents. Suggestions will be used to make improvements to this form and process.*

SIGNATURE PAGE

Once signed and accepted, this documentation form serves as the completed report on this wildfire suppression action.

PREPARED BY

Name/Title
Bureau of Land Management

Date

REVIEWED BY

Biologist Name/Title
Fish and Wildlife Service

Date

APPENDIX A

24 Hour Activity Report – Provide information that is pertinent to species effects.

AERIAL SUPPRESSION ACTIONS				
	Direct Impacts from Aerial Operations (other than chemical)	Ignition	Chemical	Water Drafting (aerial)
Aerial Ignition				
Aerial Suppression				

GROUND SUPPRESSION ACTIONS				
	Ignition	Chemical	Water Drafting (ground pump)	Habitat Removal/ Destruction
Ground Suppression				
Mopup				

EMERGENCY STABILIZATION ACTIONS				
	Direct Impacts from Aerial Operations	Habitat Removal/ Destruction		
Aerial Rehabilitation				
Ground Rehabilitation				

Date: _____ Time: _____

**Identify the suppression/emergency stabilization actions and the potential direct impacts to T/E species that occur each day. Provide a daily Fire Progression Map with the location of actions applied in the table above. Please provide GIS shapefiles. See examples for a list of potential suppression/rehabilitation operations and associated impacts to T/E species.*

Appendix B. Matrix of suppression activities and effects (for use in completing Table 6)

Potential suppression/rehabilitation actions and associated effects when implemented during wildfire suppression activities.		Types of Impacts to Threatened and Endangered Species							
		Direct Impacts from Aerial Operations	Type of Disturbance (Noise, Smoke, Physical, etc.)	Ignition	Chemical	Sediment/Erosion	Water Drafting (ground pump/aerial)	Habitat Removal/Destruction	Injury/Direct Mortality
Suppression/Rehabilitation Operations	Aerial Ignition	X	X	X		X		X	X
	Aerial Suppression	X	X		X		X		X
	Aerial Rehabilitation	X	X						X
	Ground Ignition		X	X		X		X	X
	Ground Suppression		X		X	X	X		X
	Ground Rehabilitation		X						X
	Mopup		X		X	X		X	X

Aerial Ignition: Includes ignition of fuels by dropping incendiary devices or materials from aircraft (NWCG 1996).

Aerial Suppression: Includes aircraft operations used to aggressively suppress a wildfire.

Ground Ignition: Includes all ignition tools and methods used by hand crews to control a wildfire (drip torch, backburn, backfire, burn out, etc.).

Ground Suppression: Includes all suppression tools and methods used by hand crews to control a wildfire (dozer, handline, water drafting, water tender, etc.).

Mopup: Includes extinguishing or removing burning material near control lines, felling snags, and trenching logs to prevent rolling after an area has burned, to make a fire safe, or to reduce residual smoke (NWCG 1996).

Aerial/Ground Rehabilitation: Includes activities necessary to repair damage or disturbance caused by wildfire or the wildfire suppression activity (NWCG 1996).

Direct Impacts from Aerial Operations: Includes water, retardant, and seed dropped from aircraft during suppression/rehabilitation operations.

Chemical: Any chemical used for suppression operations.

EXAMPLES

Example of Table 6. Suppression/emergency stabilization actions affecting T/E species within the action area

Southwestern Willow Flycatcher – Location #1		Description and Level of Impacts								
		Direct Impacts from Aerial Operations	Type of Disturbance (Noise, Smoke, Physical, etc.)	Ignition Acres ^{1 2}	Wildfire Acres ^{1 2}	Chemical Effects	Sediment/Erosion	Water Drafting (ground pump/aerial)	Habitat Removal/Destruction	Injury/Direct Mortality
Suppression/Rehabilitation Operations	Aerial Ignition		Noise/Smoke – See Table X and Map X	50 acres suitable habitat						
	Aerial Suppression	Y – See Table X and Progression Map	Noise from Helicopter							Injured SWFL observed after water drop in occupied habitat.
	Aerial Rehabilitation	Y- seed from helicopter in suitable habitat.	Noise from Helicopter							
	Ground Ignition		Noise/possible flush response from hand crew in suitable habitat. Smoke	75 acres suitable habitat. See Map X, Table X					10 acres of moderate-severity burn in suitable habitat.	
	Ground Suppression		Noise/Physical from hand/control lines						¼ mile long 10-foot wide hand line in suitable	
	Ground Rehabilitation		Physical- 20 fire fighters seeding burn area.							
	Mopup		Noise/Physical- in suitable habitat.							
Wildfire Only					250 acres suitable habitat					

Huachuca Water Umbel		Description and Level of Impacts								
		Direct Impacts from Aerial Operations	Type of Disturbance (Noise, Smoke, Physical, etc.)	Ignition Acres ^{1 2}	Wildfire Acres ^{1 2}	Chemical Effects	Sediment/Erosion	Water Drafting (ground pump/aerial)	Habitat Removal/Destruction	Injury/Direct Mortality
Suppression/Rehabilitation Operations	Aerial Ignition									
	Aerial Suppression									
	Aerial Rehabilitation									
	Ground Ignition			75 acres near occupied habitat. See Map X, Table X						
	Ground Suppression		Physical disturbance from hand/control lines in occupied habitat.						¼ mile long 10-foot wide hand line in occupied habitat.	2 individual plants damaged from hand/control line.
	Ground Rehabilitation									
	Mopup									
Wildfire Only					250 acres near occupied habitat. See Map X					

Example of Appendix A

24hr Activity Report

AERIAL SUPPRESSION ACTIONS				
	Direct Impacts from Aerial Operations (other than chemical)	Ignition	Chemical	Water Drafting (aerial)
Aerial Ignition	Helicopter	Aerial strip lighting		
Aerial Suppression	Fixed Wing, SEAT, Helicopter		~10 drops – Fixed Wing ~5 drops - SEAT	~2 Helicopter trips to Stock Tank X.

GROUND SUPPRESSION ACTIONS				
	Ignition	Chemical	Water Drafting (ground pump)	Habitat Removal/ Destruction
Ground Suppression	Burnout from hand/dozer line.	Applied wetting agent along FR 200	Draft from River X.	1-mile dozer line ¼-mile hand line
Mopup				Extinguish Fire in X locations 10 snags removed

EMERGENCY STABILIZATION ACTIONS				
	Direct Impacts from Aerial Operations	Habitat Removal/ Destruction		
Aerial Rehabilitation	Water/Hay/Seed			
Ground Rehabilitation		Sediment Water Bars Fire line Rehab		

Date: _____

Time: _____