

**BUREAU OF LAND MANAGEMENT  
ELKO FIELD OFFICE  
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

**PART F - SPECIFICATIONS**

<b>SPECIFICATION TITLE:</b>	<b>NOXIOUS WEED MONITORING AND INVENTORY</b>	<b>AGENCY:</b>	<b>BLM Elko F.O.</b>
<b>PART E LINE ITEM:</b>	<b>M-1 Monitoring (BLM 98-148 III, QI, V)</b>	<b>FISCAL YEAR(S) (list each year):</b>	<b>2001, 2002, 2003</b>

**I. WORK TO BE DONE**

<b>Number and Describe Each Task:</b>	<p><b>A. General Description:</b> Conduct long-term monitoring (3 years) to monitor vegetative recovery within the burned area in order to detect the invasion of invasive/noxious weeds on roads, handlines, dozer lines and other disturbed areas within the Elko 21 Fire Complex area. Monitor existing noxious weed infestations within burned areas to determine if expansion is occurring into non-infested areas. Inventory for noxious weeds near existing locations and in areas that have a high probability for invasion within the burned areas.</p> <p><b>B. Location (Suitable) Sites:</b> For monitoring, at known locations of noxious weeds. Inventory areas that have a high potential for weed invasion (or as determined by BLM staff). Critical areas are drainages and along dozer lines of burned areas where bulldozers ran through noxious weed populations—dozers and fire suppression vehicles drove through dense populations of weeds. Monitoring and inventory sites will include but are not limited to the following fires: Adobe, Camp Creek, Choke Cherry, Cold Springs, Rabbit, Sheep Pen, South Cricket, Vega, Three Mile, West Basin, Wimpy Complex, 18 Mile, 21 Mile. Monitor all visible exotic weed populations along road systems and creeks within the fire area. See Map Index, Treatment Maps</p> <p><b>C. Design/Construction Specifications:</b></p> <ol style="list-style-type: none"> <li>1. Conduct long-term monitoring (3 years) on existing noxious weed populations within the burned areas using protocol determined by the Elko Field Office. Conduct on areas disturbed within the fire and on historic populations of known noxious weed populations to determine spread of invasive species and noxious weeds. Monitoring protocols will be established by BLM and will be implemented in accordance with current management plans.</li> <li>2. Inventory, photo documentation, and map new weed infestations within disturbed lands using Global Positioning System (GPS). The Elko 13 and Elko 21 fires have increased monitoring requirements over and above the 1999 fires to a level requiring GPS and ATV for each GS-7 Technician. One GPS and one ATV were funded by 1999 BAER.</li> <li>3. Initiate agency approval of control measures where monitoring demonstrates the establishment or expansion of known weed populations that threaten the natural regeneration of native vegetation or establishment of effective ground cover if monitoring or inventory determines that expansion is occurring within the burned area or outside the fire perimeter from weed populations inside the burned area.</li> </ol> <p><b>D. Purpose of Treatment Specifications:</b> Protect the ecological integrity and site productivity of pinyon / juniper, riparian, and shrub-steppe plant communities within BLM lands in accordance with established mission statements and management plan guidelines. To detect and document any new expansions of noxious weeds in the burned areas. To control, contain, or eradicate Nevada Listed noxious weeds in the burned areas. To allow the Elko Field Office to implement the Integrated Weed Management Program.</p>
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**II. LABOR, MATERIALS AND OTHER COST:**

<b>▶ PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item Do not include contract personnel costs here (see contractor services below).</b>	<b>COST/ITEM</b>
2 GS-7 Seasonals (2 Technicians), @ \$2,250/month x 4 months x 3 yrs	<b>\$54,000</b>
<b>TOTAL PERSONNEL SERVICE COST</b>	<b>\$54,000</b>
<b>▶ EQUIPMENT PURCHASE, LEASE AND /OR RENT (Item @ Cost/Hour X # of House X # Fiscal Years = Cost/Item): Note: Purchase require written justification that demonstrates cost benefits over leasing or renting.</b>	<b>COST/ITEM</b>
One GPS units with software (i.e. Geo III Explorer); @ \$4,500	<b>\$4,500</b>
One all Terrain Vehicle to access rough remote terrain, @ \$5,000	<b>\$5,000</b>
<b>TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST</b>	<b>\$9,500</b>
<b>▶ MATERIALS AND SUPPLIES: (Item @ Cost/Each X Quantity X # Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Monitoring supplies (posts, stakes, paint, post driver, etc) @ \$300/ yr x 3 yrs	<b>\$900</b>
Compass @ \$50 ea x 2 x 1 yr	<b>\$100</b>
Film purchase and developing @ \$15/roll x 20 rolls/yr x 3 yrs	<b>\$900</b>
<b>TOTAL MATERIALS AND SUPPLY COST</b>	<b>\$1,900</b>
<b>▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
Vehicle Use (FOR) @ \$300/month x 4 mo x 3 yrs x 2 vehicles	<b>\$7,200</b>
<b>TOTAL TRAVEL COST</b>	<b>\$7,200</b>
<b>▶ CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):</b>	<b>COST/ITEM</b>
<b>TOTAL CONTRACT COST</b>	<b>NA</b>

**SPECIFICATION COST SUMMARY**

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 2001	Acres	\$1.80	17,000	\$30,600	EFR	P
FY 2002	Acres	\$1.24	17,000	\$21,000	EFR	P
FY 2003	Acres	\$1.24	17,000	\$21,000	EFR	P
<b>TOTAL:</b>	<b>Acres</b>	<b>\$1.42</b>	<b>51,000</b>	<b>\$72,600</b>	<b>EFR</b>	<b>P</b>

**FUNDING SOURCES:**

**F** = Fire Suppression Account  
**EFR** = Emergency Fire Rehabilitation  
**OP** = Agency Operating Fund  
**O** = Other

**METHODS:**

**P** = Agency Personnel Services  
**C** = Contract (Long-Term)  
**EFC** = Emergency Fire Contract  
**FC** = Crew Labor Assigned to Fire

**SOURCE OF COST ESTIMATE**

1. Estimate obtained from 2-3 independent contractual sources.	
2. Documented cost figures from similar project work obtained from local agency sources.	P
3. Estimate supported by cost guides from independent sources or other federal agencies.	
4. Estimates based upon government wage rates and material cost.	P, M, T
5. No cost estimate required - cost charged to Fire Suppression Account.	

P = Personnel Services, M = Materials/Supplies, T = Travel, C = Contract, F = Suppression

**III. RELEVANT DETAILS, MAPS AND DOCUMENTATION INCLUDED IN THIS REPORT:**

List Relevant Documentation and Cross-Reference Location within BAER Report: Vegetation Assessment Appendix 1, SEE MAP INDEX, Treatment Section
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**IV. TOTAL COST BY FIRE**

FIRE NAME	UNITS TREATED	COST
Adobe	2,500 acres	\$3,558
Camp Creek	15,000 acres	\$21,353
Choke Cherry	10,000 acres	\$14,235
Cold Spring	5,000 acres	\$7,118
South Cricket	5,000 acres	\$7,118
Three Mile	2,500 acres	\$3,558
Vega	1,000 acres	\$1,424
West Basin	10,000 acres	\$14,235
<b>TOTAL COST</b>	<b>51,000 acres</b>	<b>\$72,599</b>

**V. TOTAL COST BY JURISDICTION**

JURISDICTION	UNITS TREATED	COST
BLM	51,000	\$72,600
<b>TOTAL COST</b>	<b>51,000</b>	<b>\$72,600</b>