

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

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	DOZER LINE RESEEDING (AERIAL OR DRILLED)	AGENCY:	BLM, Elko Field Office
PART E LINE ITEM:	W-1b Grass Reseeding (BLM 98-148 III M)	FISCAL YEAR(S) (list each year):	2000

I. WORK TO BE DONE (describe or attach exact specifications of work to be done):

Number and Describe Each Task:									
A.	General Description: Seeding is to be completed via helicopter or rangeland drill. The District staff and equipment, primarily transport vehicles, will be used to move seed to and load seed from strategic staging points in close proximity to each fire. The need for seeding, seed selection and application rates were determined in consultation with local area resource management staff. Seeding will serve as an immediate, temporary ground cover to decrease surface erosion and help prevent invasion of exotic plants.								
B.	Location/(Suitable) Sites: All designated exterior dozer and fire lines. (See Appendix III, Treatment Map for fire line locations).								
C.	Design/Construction Specifications: <ol style="list-style-type: none"> 1. SEED MIXTURE SELECTION AND CERTIFICATION: The seed mixture for the Elko Field Office fire lines was selected by the BAER Team Vegetation Specialist, Soil Scientist and Hydrologist in consultation with local agency staff based on agency staff policies, regulations and mandates. Seeds should be tested for purity and germination rates. Before accepting delivery of seed shipment the contractor must provide written evidence (seed label and letter) to the Resource Advisor that the seed conforms to the purity and germination requirements in the specification. Test methods specified in Rules for Testing Seeds, Proceedings of the Association of Official Seed Analyst will be accepted for determining the germination rate. Seed designated without a purity or germination rate shall be labeled to include name (month and year) collected, and the name and address of the seed supplier. <p style="text-align: center;">ELKO FIELD OFFICE FIRES BROADCAST SEEDING MIXTURE</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="2">Low Elevation Mix</td> </tr> <tr> <td style="width: 60%;">Common Name</td> <td style="text-align: right;">% by weight</td> </tr> <tr> <td>Nordan Wheatgrass</td> <td style="text-align: right;">70</td> </tr> <tr> <td>Siberian Wheatgrass</td> <td style="text-align: right;">30</td> </tr> </table> <ol style="list-style-type: none"> 1. Equipment Requirements: Scales for weighing, buckets. 2. Application Rate: Seed will be applied at approximately 10 pounds per acre. 3. Seed Mixing: When mixing seeds of very different sizes and weights care must be taken to ensure that seeds are evenly distributed in the mixture to insure even on-ground distribution. Since smaller and heavier seeds will settle to the bottom of the mix it may be necessary to periodically shake the transportation containers to redistribute seeds. 4. Reseeding: Seed is to be applied as soon as the seed is available. Seeds must be spread as uniformly as possible over the entire rehabilitated area. Helicopter seeding rates should be calibrated by test trials in accordance with spread ("seed throw") calculations prior to the initiation of helicopter operations. As operations are initiated, correct seeding rates must be verified on the ground from calculations made by assigned field observers. 	Low Elevation Mix		Common Name	% by weight	Nordan Wheatgrass	70	Siberian Wheatgrass	30
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D.	Purpose of Treatment Specifications: For rapid establishment of ground cover to prevent erosion on fire line.								

II. LABOR, MATERIALS AND OTHER COST:

PERSONNEL SERVICES: (Grade @ Cost/Hours X # Hours X # Fiscal Years = Cost/Item): Do not include contract personnel costs here (see contractor services below).	COST/ITEM
Helicopter Loading crew (inc. premium pay) GS-5 @ \$225 day x 4 people x 2 days x 1 Year	\$1,800.00
Helicopter Manager (inc. premium pay) GS-9 @ \$350 day x 2 days x 1 Year	\$700.00

TOTAL PERSONNEL SERVICE COST	\$2,500.00
▶ EQUIPMENT PURCHASE, LEASE AND/OR RENT (Item @ Cost/Hour X # of Hours X #Fiscal Years = Cost/Item): Note: Purchases require written justification that demonstrates cost benefits over leasing or renting.	COST/ITEM
helicopter @ \$1200/hr x 8 hours/day x 2 days x 1 year	\$19,200.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$19,200.00
▶ MATERIALS AND SUPPLIES (Item @ Cost/Each X Quantity X #Fiscal Years = Cost/Item):	COST/ITEM
Low-Elevation seed mixture cost: \$ 3.70 / lb x 1320 lbs x 1 year	\$4,884.00
TOTAL MATERIALS AND SUPPLY COST	\$4,884.00
▶ TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):	COST/ITEM
Seed transport, staging and loading/operation support by District personnel:	
flat bed trucks for seed movement: 2 days @ \$ 125/day x 1 Year	\$250.00
Fuel for Support Vehicles \$40 / day x 2 days x 1 Year	\$80.00
Misc Equipment and Support Costs \$250 / day x 2 days x 1 Year	\$500.00
TOTAL TRAVEL COST	\$830.00
CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	COST/ITEM
% .04 program administration (Helicopter costs)	\$4,331.00
Seed storage facility (rental) @ \$125/wk4 x weeks x 1 Year	\$500.00
Rangeland Drill Application @ \$13.50 Acre x 112 Acres x 1 Year	\$1,512.00
TOTAL CONTRACT COST	\$6,343.00

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNITS COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	acres	\$301.40	112	\$33,757.00	F	F
FY 2						
FY 3						
TOTAL	acres	\$301.40	112	\$33,757.00	F	F

FUNDING SOURCES:

F = Fire Suppression
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, M
3. Estimate supported by cost guides from independent sources or other federal agencies	
4. Estimates based upon government wage rates and material cost.	
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:
See treatment map, Appendix III, Elko 13 Fire Complex BAER Plan

IV. TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
Basin	3.6	\$1,085.00
Kelly Creek	54	\$16,275.00
Beowawe	45	\$13,563.00
Omni	5.2	\$1,567.00
Hogan	4.3	\$1,296.00
Total	112	\$33,757.00