

**DEPARTMENT OF THE INTERIOR
ELKO FIELD OFFICE
BURNED AREA EMERGENCY REHABILITATION PLAN AND ACCOMPLISHMENT REPORT**

PART F - SPECIFICATIONS

SPECIFICATION TITLE:	WATERSHED PROTECTION SEEDING (AERIAL)	AGENCY:	BLM Elko F.O.
PART E LINE ITEM:	W-1a Grass Reseeding (BLM 98-148 III. BB)	FISCAL YEAR(S) (list each year):	2000-2001

I. WORK TO BE DONE

<p>Number and Describe Each Task:</p> <p>A. General Description: Aerially seed drainages with annual and perennial grasses to provide short-term (the first growing season) and long-term plant cover to reduce erosion and sedimentation into the drainages that would occur following a wildfire without treatment.</p> <p>B. Location (Suitable) Sites: Locations were mapped by BLM Resource Advisors in strategic locations based on burn intensity, slope, and extent of the watershed that burned.</p> <p>C. Design/Construction Specifications:</p> <p style="padding-left: 40px;">1. SEED MIXTURE SELECTION: The seed mixture was developed to provide short-term (the first growing season) and long-term plant cover to reduce erosion and sedimentation into the drainages. Before accepting delivery of seed shipment the contractor must provide 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 <i>Rules for Testing Seeds, Proceedings of the Association of Official Seed Analyst</i> 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> <p style="text-align: center;"><u>WATERSHED PROTECTION SEEDING MIXTURE</u></p> <table style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="text-align: left;"><u>Fire: Beowawe</u></th> <th style="text-align: left;"><u>Common Name</u></th> <th style="text-align: left;"><u>Rate pls lbs/ac</u></th> </tr> </thead> <tbody> <tr> <td></td> <td>Nordan Crested Wheatgrass</td> <td>3.0</td> </tr> <tr> <td></td> <td>Intermediate Wheatgrass</td> <td>3.0</td> </tr> <tr> <td></td> <td>Triticale</td> <td>4.0</td> </tr> </tbody> </table> <p style="padding-left: 40px;">2. Delivery: Deliver certified weed-free seed sold on a pure live seed basis.</p> <p style="padding-left: 40px;">3. Application of Seed: The seed will be applied aerially by helicopter in the fall. Seed should be applied according to Agency Project Specifications.</p> <p style="padding-left: 40px;">4. Storage: Seed should be stored under cover to protect it from moisture, rodents, and livestock.</p> <p>D. Purpose of Treatment Specifications: To provide short and long-term vegetative cover to important drainages to reduce erosion and sedimentation.</p>	<u>Fire: Beowawe</u>	<u>Common Name</u>	<u>Rate pls lbs/ac</u>		Nordan Crested Wheatgrass	3.0		Intermediate Wheatgrass	3.0		Triticale	4.0
<u>Fire: Beowawe</u>	<u>Common Name</u>	<u>Rate pls lbs/ac</u>										
	Nordan Crested Wheatgrass	3.0										
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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
Project Inspector GS-11 @ \$20.05/hr X 10 hrs/day X 2 days x 1 Year	\$401.00
TOTAL PERSONNEL SERVICE COST	\$401.00

► 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	COST/ITEM
Helicopter Seed Buckets Rental: 2 buckets @ \$150/day per bucket X 2 days x 1 Year	\$600.00
TOTAL EQUIPMENT PURCHASE, LEASE OR RENTAL COST	\$600.00
	COST/ITEM
Aerial Seed Mix Seed Costs @ \$1.78/avg price/lb X 8,001 lbs X 1yr	\$14,232.00
TOTAL MATERIALS AND SUPPLY COST	\$14,232.00
► TRAVEL COST (Personnel or Equipment @ Rate X Round Trips X #Fiscal Years = Cost/Item):	COST/ITEM
Seed transport vehicle x \$.50/mile x 200 miles per day x 2 days x 1 Year	\$200.00
Support Vehicle: \$1.00/mile X 200 miles/day X 2 days x 1 Year	\$400.00
Per Diem for pilot and mechanic @ \$168/day X 2 days x 1 year	\$336.00
Fuel truck milage @ \$1.00/mile X 200/mile X 2 days x 1 year	\$400.00
TOTAL TRAVEL COST	\$1,336.00
► CONTRACT COST (Labor or Equipment @ Cost/Hour X #Hours X #Fiscal Years = Cost/Item):	COST/ITEM
Seed mixing cost @ \$.10/lb. X 8,001 lbs x 1 Year	\$800.00
Seed application by helicopter @ \$7.25/ac X 698 ac X 1 Year	\$5,060.00
4% Contract Administration and oversight to agency (.04% X \$ 5,060.00 (total contract))	\$202.00
TOTAL CONTRACT COST	\$6,062.00

SPECIFICATION COST SUMMARY

FISCAL YEAR	UNIT	UNIT COST	# OF UNITS	COST	FUNDING SOURCE	METHOD
FY 1	acres	\$32.42	698	\$22,631.00	EFR	C, P
FY 2						
FY 3						
TOTAL:	acres	\$32.42	698	\$22,631.00	EFR	C, P

FUNDING SOURCES:

F = Fire Suppression Account
EFR = Emergency Fire Rehabilitation

METHODS:

P = Agency Personnel Services
C = Contract (Long-Term)

OP = Agency Operating Fund
O = Other

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.	
3. Estimate supported by cost guides from independent sources or other federal agencies.	C
4. Estimates based upon government wage rates and material cost.	M, P
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:

IV. TOTAL COST BY FIRE

FIRE NAME	UNITS TREATED	COST
Beowawe	698 Acres	\$22,631.00
TOTAL COST	698 Acres	\$22,631.00