ROAN CREEK HABITAT MANAGEMENT PLAN

CO-07-T1

Grand Junction Resource Area

Grand Junction District

Bureau of Land Management

January 1978

ROAN CREEK
HABITAT
MANAGEMENT PLAN

TABLE OF CONTENTS

TABLE OF CONTENTS (Cont'd.)

LIST OF TABLES

ILLUSTRATIONS

LIST OF FIGURES

APPENDICES

ROAN CREEK HABITAT MANAGEMENT PLAN

Grand Junction Resource Area

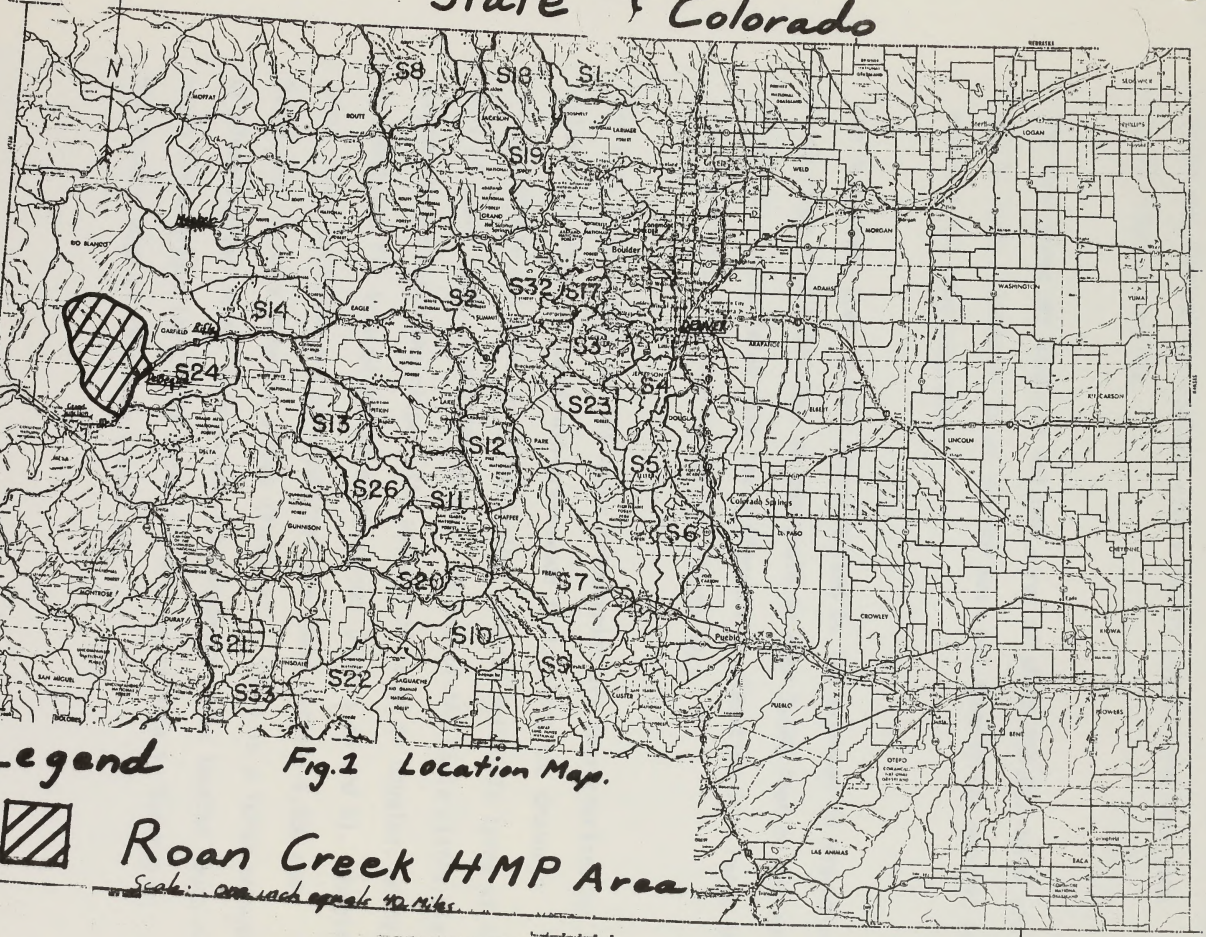
Grand Junction District

A. Introduction

The Roan Creek Habitat Management Plan (HMP) boundaries (see Figure 1: Location Map) are based on the Colorado Division of Wildlife's Big Game Management Unit 31 and the Roan Creek Watershed. This area forms the natural boundary for the Roan Creek mule deer herd with the Piceance Basin on the north, the Parachute drainage on the east, the Colorado River on the south, and the Little Bookcliffs - Salt Creek drainage on the west. The plan will cover both terrestrial and aquatic habitat.

The Roan Creek Habitat Area lies within the Northwest Colorado Energy Impact Area. The development of oil shale on public lands and private lands could greatly affect the wildlife habitat resources in this area. The prime reasons for development of a HMP at this time are to 1) assure the maintenance or improvement of wildlife habitat in conjunction with energy development; 2) coordinate possible implementation with Sikes Act funds to maintain and improve the wildlife habitat resources; 3) coordinate habitat management with other resources and their uses. Plan implementation will be accomplished as a part of the Bureau's normal wildlife program budget submission or possibly with supplemental funding through the Sikes Act of 1974, and with the full cooperation of the Colorado Division of Wildlife (DOW).

State of Colorado



Legend

Fig. 1 Location Map.

Roan Creek HMP Area

Scale: one inch equals 40 miles.

2

The Roan Creek HMP is a cooperative effort between the DOW and BLM. Wildlife populations are under the authority of the DOW and all objectives and methodology dealing with wildlife populations have been established by the DOW.

The Roan Creek HMP contains 452,000 acres of which 255,000 acres are public lands. Photo #1 is of the HMP base map showing the habitat area boundary and land ownership.

The Roan Creek area is best characterized by its extremes in elevation which range from 5,000 feet on the south to over 9,000 feet on the north (Photo #2). Associated with the difference in elevation is a range in annual precipitation from 10" to 25" (Photo #2a).

The Roan Creek Valley and its major tributaries are characterized by cultivated fields or sagebrush-greasewood flats along the drainage bottoms (Photo #3) bound by pinon-juniper covered foothills lying at the base of sheer shale cliffs (Photo #4). On top of the shale cliffs big sagebrush dominates the ridges with pockets of aspen or douglas, white, or subalpine fir located on the north slopes (Photos #5 and 6). Mountain shrub types (oakbrush and serviceberry) are found between 6,500 and 8,000 feet on more moderate slopes (Photo #7). There is a large expanse of pinon-juniper forest intermixed with sagebrush parks located south of South Shale Ridge; the Little Bookcliff Wild Horse Area is located on the western edge of this area (Photo #8).

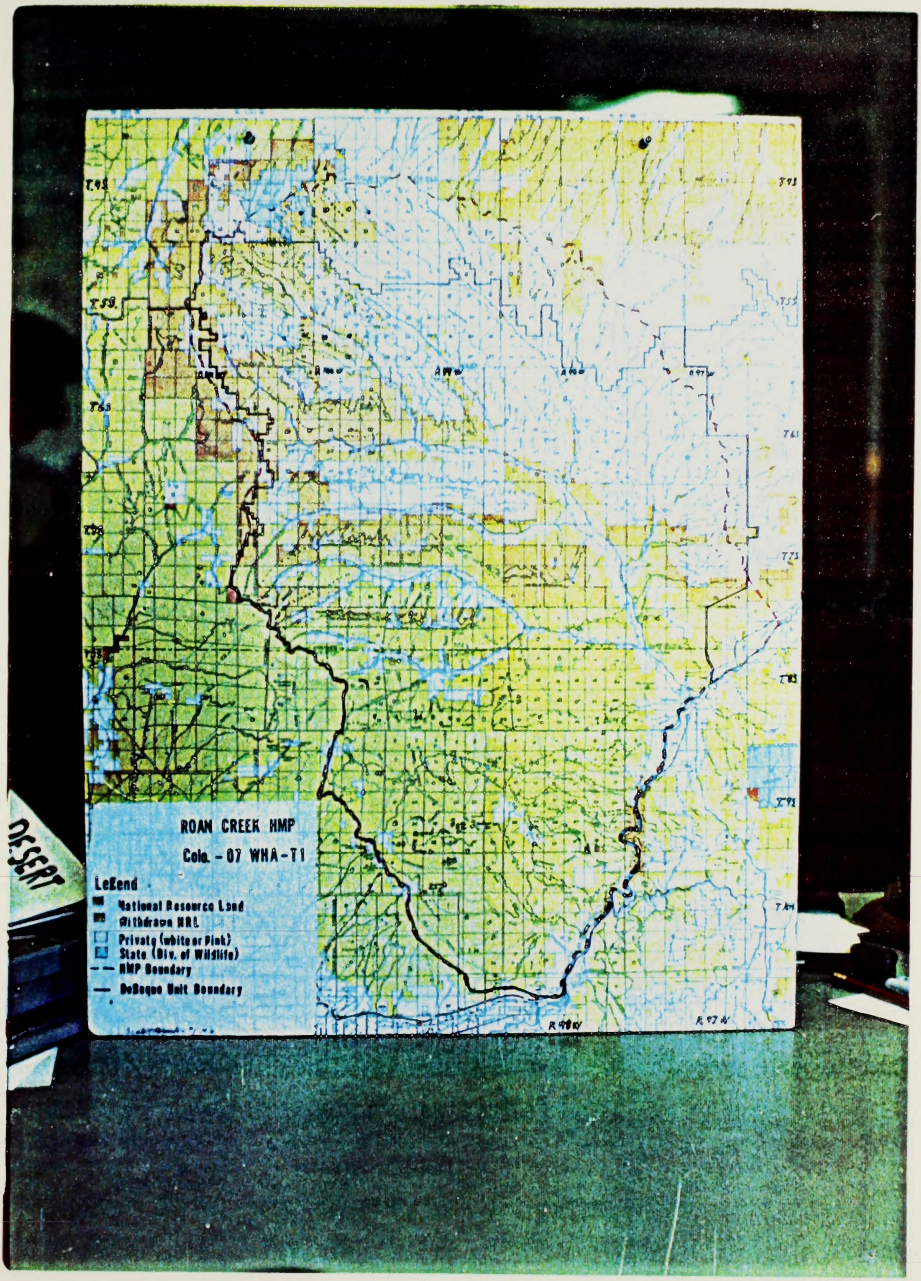


Photo #1. Roan Creek HMP base map.

Photo #2. Topography of the Roan Creek drainage is the valley in the foreground bordered by rolling foothills which give way to sheer shale cliffs rising several thousand feet to the Roan Plateau.

Photo #2a. Associated with variations in elevation is a range in precipitation from 10" to 25".

Photo #3. Sagebrush flats and pinon-juniper covered foothills are critical mule deer winter range. The shale cliffs rise rapidly to limit the available winter range in the Roan Creek drainage.

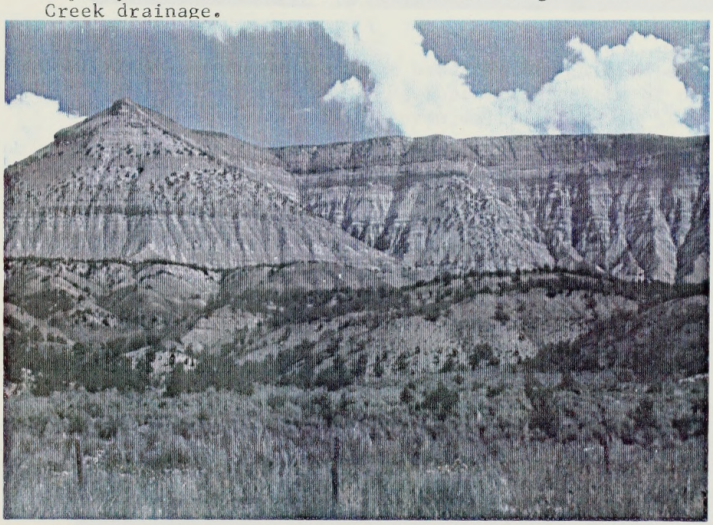


Photo #4. Pinon-juniper covered foothills lie between the valley floor and shale cliffs.

Photo #5. The Roan Plateau at the head of Carr Creek. Sagebrush dominates the ridgetops with pockets of douglas fir and aspen on the canyon walls and north slopes.

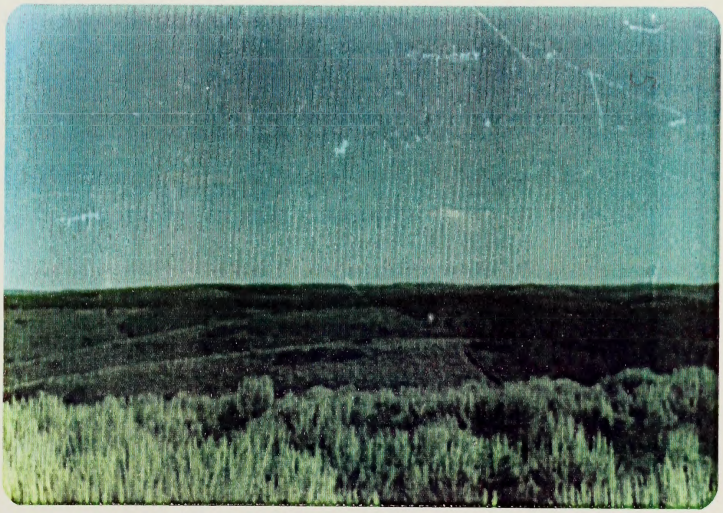


Photo #6. Stands of sagebrush and aspen predominate above 8,000 feet on the Roan Plateau.

The geology of the area is dominated by the Green River Formation to the north and the Mesa Verde Formation on the south. A detailed description of the physical and biological environment is included in the Winter Flats and Roan Creek Unit Resource Analysis (file 1605), in the Grand Junction District Office.

Historically, the livestock industry and big game hunting have been the major economic interests in the unit. Today, the majority of private cultivated and range lands are owned by oil companies and leased back to ranchers.

Mule deer is the most abundant (1975 spring population between 4,500 and 5,000 animals) and economically the most important big game species. During the 1960's, the Roan Creek Game Management Unit was ranked third in the State of Colorado for the number of deer harvested. In 1962, a high of 5,162 hunters harvested 9,304 deer (4,086 bucks). In 1974, the harvest had declined to a low of 536 bucks by 1,275 hunters. In 1975, a moderate increase in harvest and hunters occurred with 666 bucks harvested by 1,372 hunters.

Other important big game in the unit are rocky mountain elk, mountain lion, and black bear. Appendix 1 lists overlays depicting current distribution and seasonal ranges of important wildlife species. The base map and overlays are located in the BLM Grand Junction District Office.

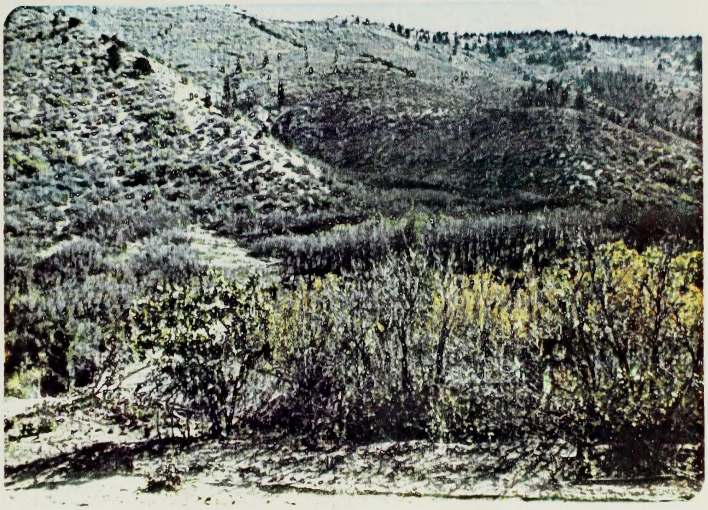


Photo #7. The mountain shrub type, located between 6,500 to 8,000 feet.

Photo #8. Pinon-juniper forest lying south of South Shale Ridge with Little Bookcliff Wild Horse Area in the background.

The aquatic habitat in the area capable of supporting and sustaining a trout fisheries is limited to the headwaters of Roan, Carr, Brush, and Clear Creeks (overlay #15). There are scattered pockets of trout fisheries in Upper Dry Fork and Mid-Clear Creek; however, these areas are in total private ownership and are not addressed under Fisheries in this HMP.

The aquatic habitat is typical small streams fisheries with cutthroat (Salmo clarleii), rainbow (Salmo gairdneri), and brook trout (Salvelinus fontinalis) occurring within the area (Photos 9-12). Total population numbers vary among streams but the structures are very similar. The mid-size classes, 4-6 inches, were dominant with larger fish, 10 to 12 inches, found only in the higher quality pools.

Livestock grazing occurs along all the streams and with few exceptions this activity has severely altered the aquatic and riparian habitat (Photos 13-16).

Water quality is adequate in the upper waterhsed for the growth and propagation of trout. Water productivity is good with total dissolved solids exceeding 400 mg/l and alkalinities of 200 mg/l. Benthic organisms are abundant with good diversity and do not appear to be a limiting factor to production.

No harvest data for fisheries is available. Limited public access and a lack of public awareness of the fisheries has resulted in very light fishing pressure.

The aquatic habitat in the area consists of supportive and substrate a
Most fishermen is limited to the embayments of Bass, Lake, Swan, and
Clear Creek (Lake Erie). These are scarcely capable of trout fishing
in upper Dry Core and mud-clear Drought. However, these areas are in total
or lively overfished and are not advanced under fishmeling in this MP.

The emergent habitat is limited small areas fringed with cattail
(Typha latifolia), rushes (Juncus spp.), and bulrushes (Scirpus
fluviatilis) occurring within the area (Photos 9-12). Total vegetation
numbers vary among streams but the structures are very similar. The
mid-size climates, 6-8 inches, were dominant with larger fish, 10 to 12
inches, found only in the better quality areas.

Livestock grazing occurs along all the streams and with the exception
area activity has severely altered the aquatic and riparian habitat
(Photos 13-16).

Water quality is adequate in the upper watershed for the growth and
propagation of trout. Water productivity is good with total alkalinity
ranging exceeding 150 mg/l and alkalinities of 100 mg/l. Benthic organisms
are abundant with good diversity and do not appear to be a limiting
factor in production.

No barrier data for fisheries is available. Limited public access
and a lack of public awareness of the fisheries has resulted in
very light fishing pressure.

Photo #9. Upper Roan Creek: Note lack of stream canopy.

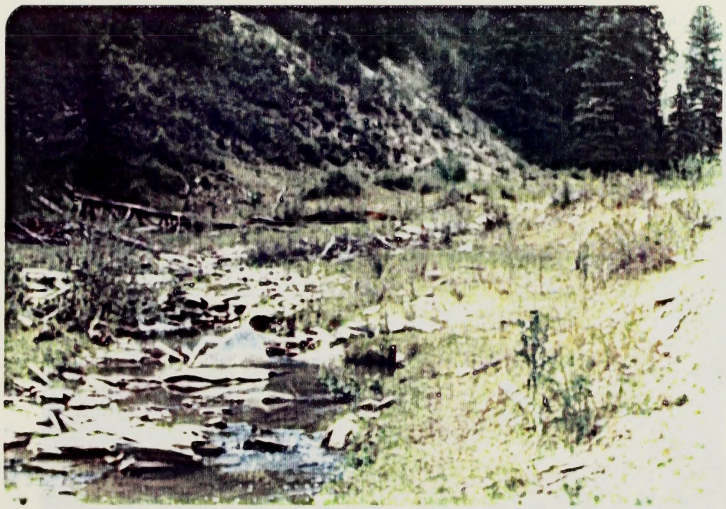


Photo #10. Main Brush Creek just below East and West Forks.

Photo #11. Carr Creek

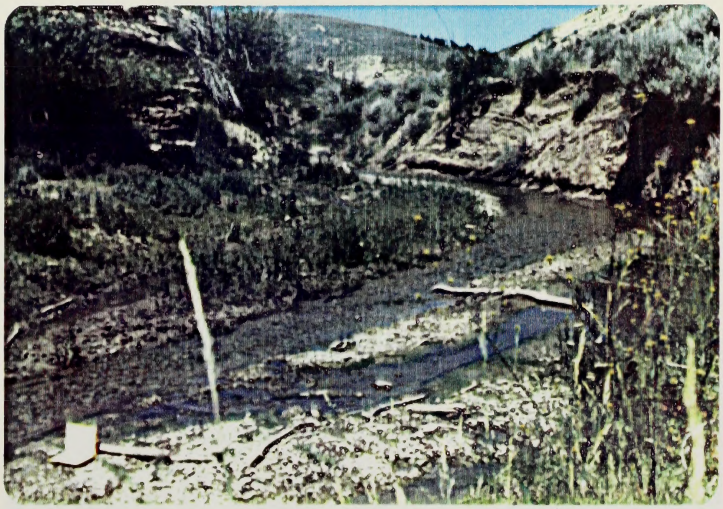


Photo #12. Upper Clear Creek on the Roan Plateau. Note lack of pools and canopy cover.

Photo #13. East Fork of Brush Creek where cattle are excluded by natural barriers.

Photo #14. East Fork Brush Creek heavily grazed.

Photo #15. West Willow Creek on Roan Plateau. Heavy algae growth with no canopy cover.

Photo #16. West Fork Brush Creek. Riparian in poor condition.

The peregrine falcon, an endangered species (State and Federal), has been reported within the Roan Creek drainage in recent years. The DOW has identified the Roan Creek drainage (Overlay 4) as occupied or potentially suitable habitat for the peregrine falcon. The humpback sucker, an endangered species (State), has been found in the Colorado River at DeBeque. The Colorado River squawfish, an endangered species, (Federal and State), historically occurred in the Colorado River throughout the total area but current distribution is believed to be from the confluence of Plateau Creek downstream.

A complete species list of reptiles, amphibians, birds, and mammals known to occur in the unit is given in Appendix 2.

The DOW Wildlife Management Unit 31 (Roan Creek) Summary compiled by W. T. McKean and P.H. Neil provides additional information on Unit Description, Land Ownership, Land Use, Human Population, Harvest and Seasons, Abundance and Management Problems. Copies are located in the DOW Grand Junction and Denver Offices and the BLM Grand Junction Office.

The cutthroat trout, an endangered species native only to Pahranagat, has been transported within the Ash Creek drainage on recent years. The Ash has demarities the Ash Creek drainage (Marsh) it as accepted or potentially suitable habitat for the cutthroat trout. The bonytail, another, an endangered species (Native), has been found in the Colorado River at Hoover. The Colorado River squawfish, an endangered species (Native) and razorbacks, distinctly observed in the Colorado River throughout the total area but current distribution is believed to be from the confluence of Fisheye Creek downstream.

A complete species list of reptiles, amphibians, birds, and mammals known to occur in the area is given in Appendix B.

The CDM Utilities Management's U.S. Bureau Fish Hatchery consisted of 2 1/2 acres and 4.0, hole previous utilization; approximately 40 Acre Interpretive Trail Shoreline, Dam Site, Water Fluctuation, Overall and Shoreline, Hydrology and Microscopic Fisheries. Studies are located in the SDF Grand Canyon and Tempe, Arizona and the New Grand Junction office.

MANAGEMENT OBJECTIVES

B. Management Objectives

Objectives are based on current knowledge of wildlife habitat and populations. Continual evaluation will measure progress toward achieving objectives. Objectives maybe adjusted upward or downward at any time as evaluation indication original estimates were too high or low.

1. Mule Deer

MD-1 Maintain 112,000 acres of summer range (May-November) and 136,000 acres of winter range (December-April) as suitable habitat for mule deer (see Overlay #1).

MD-2 Improve the mule deer forage (browse and forbs) production on 3,605 acres of critical mule deer winter range.

MD-3 Increase the winter mule deer population to the point where average utilization on big sagebrush (as measured on existing transects which represent 140,000 acres) on winter range is 40% and then maintain population at this level.

MD-4 Improve mule deer forage production on 125,000 acres of NRL through manipulation of livestock grazing.

MD-5 Provide 15,000 hunter days of recreational use while improving the distribution of hunting pressure.

MD-6 Improve water distribution on 25,000 acres of mule deer summer range.

2. Peregrine Falcon

P-1 Maintain 8,300 acres of cliff as suitable nesting habitat (see Overlay 4).

P-2 Maintain 1,300 acres riparian habitat (9 miles of stream bottom one-fourth mile wide) with a tree and brush vegetative cover to maximize passerine and shore bird populations (see Overlay 6).

P-3 Intensify and continually update inventory data on peregrine habitat to determine population levels, nesting cliffs and important feeding areas, and potential habitat.

P-4 Re-introduce at least one pair of peregrine falcons by 1980.

3. Sage Grouse

SG-1 Maintain a fall pre-season population of 5 sage grouse per square mile on Brush, Skinner, Cow, Kimble, and 4-A Ridges (see Overlay 3).

SG-2 Provide 100 recreation hunter days and harvest 60 birds on 29,000 acres of public lands (see Overlay 3).

SG-3 Improve wet meadow habitat on Brush, Skinner, Logan and 4-A Ridges by increasing the density of grasses and forbs.

SG-4 Inventory 16,000 acres of sage grouse habitat to determine important brood areas and identify meadow types and watering sites in need of protective fencing (see Overlay 3).

SG-5 Maintain or improve 16,000 acres of sage grouse habitat to satisfy the basic habitat requirements identified in BLM Manual 6601-3 (see Overlay 3).

SG-6 Expand sage grouse habitat on 4,000 acres of public lands in the Winter Flats area (see Overlay 14).

4. Blue Grouse

BG-1 Maintain 68,000 acres as suitable blue grouse habitat (see Overlay 3).

BG-2 Increase the recreational hunter days provided by blue grouse from 300 days to 600 days (Unit 31 total).

BG-3 Maintain stands of douglas fir at the head of draws and along ridgetops as preferred winter roosts.

BG-4 Increase the fall blue grouse population from 4.9 birds per square mile to 6.0 birds per square mile on 68,000 acres of NRL.

5. Mountain Lion

ML-1 Improve mountain lion inventory to determine population levels and better define occupied habitat (unit-wide).

ML-2 Maintain 83,000 acres of NRL located south of North Dry Fork, west of Main Canyon and north of Coal Canyon in its semi-remote state to enhance mountain lion habitat (see (Overlay 13).

ML-3 Determine the relationship between mountain lion and Little Bookcliff wild horse herd with emphasis on determining the degree of predation.

6. Black Bear

B-1 Maintain the relative remoteness of (unimproved roads are confined to ridge tops and drainage bottoms) of 62,000 acres of black bear habitat (see Overlay 2).

7. Ducks

D-1 Expand duck nesting habitat with 6 new water bodies (see Overlay 14) with an increase in production of 30 birds annually.

D-2 Improve nesting and brood cover on three stock reservoirs (see Overlay 14) with an increase in production of 15 birds annually.

D-3 Maintain existing protective fencing on two reservoirs (see Overlay 7).

8. Geese

G-1 Minimize nesting failure of Canada geese along 11 miles of the Colorado River.

G-2 Improve 10 acres of Canada goose brooding and feeding habitats (see Overlay 14).

G-3 Maintain islands, backwater areas and riparian vegetation on 8 miles of public lands along the Colorado River (see Overlay 6).

G-4 Increase the breeding population of Canada geese from 7 to 12 pairs within the DeBeque Canyon.

9. Elk

E-1 Inventory 30,000 acres of public lands to determine important use areas and calving grounds (see Overlay 1).

E-2 Maintain elk populations at a level where elk do not compete for forage with deer on critical winter range.

E-3 Maintain aspen and douglas fir types as suitable escape cover for elk (see Overlay 6) by limiting clearing to 5 acres and retaining 40% of summer range as forest types.

10. Turkey

T-1 Expand turkey habitat to 10,000 acres of public lands in the Pine Gulch and South Dry Fork areas (see Overlay 14).

11. Chukar

C-1 Improve water distribution on 23,000 of chukar habitat in accordance with BLM Manual 6601-2 to provide good summer habitat (see Overlay 14).

12. Non-Game

NG-1 Maintain suitable nesting and feeding trees for cavity nesting bird species.

NG-2 Protect suitable snags as raptor nesting or perching sites.

NG-3 Protect a great blue heron rookery and minimize disturbance within one-fourth mile of the site from March to August (see Overlay 4), Photo #1 6A.

13. Fish

F-1 Improve the aquatic habitat on the upper ten miles of Roan Creek (area above diversion dam in Section 26, T6S, R100W) to the following:

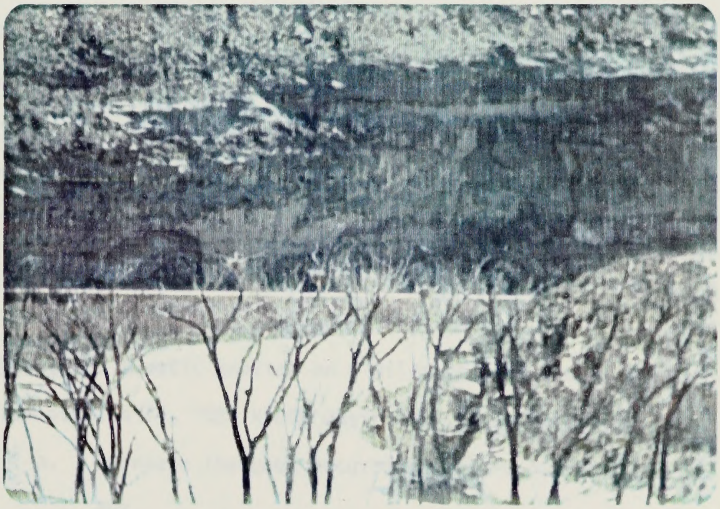


Photo #16A. Great blue heron rookery located on the Colorado River.

a. Increase pool occurance to 50%.

b. Increase stream canopy to 40%.

c. Decrease unstable banks to 10% or less.

d. Reduce filamentous algae from abundant to occasional.

e. Reduce the rough fish population to 10% or less of total fish population.

f. Improve pool qualities to Class 2 (BLM Manual 6671.1).

g. Improve riffle qualities to Class 2.

F-2 Improve the riparian habitat on the upper ten miles of Roan Creek, upper six miles of Carr Creek and on Brush Creek above the confluence of the east and west branch by:

Increasing the vegetative ground cover to 60%.

Increasing the canopy cover to 40%.

F-3 Improve the aquatic habitat on 6 miles of Carr Creek (from Section 14, T5S, R100W upstream) to the following:

a. Increase the pool occurrance from 5-10% to 40%.

b. Improve the pool quality from 4 and 5 to a quality rating of 2.

c. Increase the stream canopy from less than 5% to 40%.

a. Increase soil productivity to 90%

b. Increase stocking density to 80%.

c. Decrease mortality losses to 10% or less.

d. Reduce filamentous algae from excessive to occasional.

e. Reduce the crown fire probability to 10% or less at total fuel modification.

f. Improve pool qualities to Class 2 (USFS Manual 2521.11).

g. Improve riffle qualities to Class 2.

F-2 Improve the cutthroat habitat on the upper ten miles of Roan Creek, upper six miles of Lower Creek and on Brush Creek above the confluence of the east and west branch by:

Increasing the vegetative ground cover by 50%.

Increasing the canopy cover to 80%.

F-3 Improve the aquatic habitat on 8 miles of Deer Creek (from section 16, T2S, R10W westward to the Wallowa):

a. Increase the pool frequency from 5-10% to 40%.

b. Improve the pool quality from 4 and 5 to a quality rating of 2.

c. Increase the stream canopy from less than 50% to 60%.

d. Decrease unstable banks to 10% or less.

e. Improve the riffle quality rating from 4 to 2.

F-4 Improve the aquatic habitat on the upper 5 miles of Brush Creek to the following:

a. Increase the stream bank ground cover to 60%.

b. Increase the stream canopy cover to 40%.

c. Increase the pool occurrance to 40%.

F-5 Provide public Fishing access to 3.25 miles of Roan Creek and 4 miles of Carr Creek.

F-6 Maintain the following trout species as the primary species in the listed waters: Roan Creek (above diversion in Section 26, T6S, R100W) - Cutthroat trout; Carr Creek - Brook trout; Brush Creek - Rainbow trout.

F-7 Determine the feasibility of establishing Colorado cutthroat trout (*Salmo pleuriticus*) above the lower falls on the east fork of Brush Creek once the aquatic and riparian objectives have been reached in the area.

F-8 Protect backwater areas and sloughs along the Colorado River as critical habitat for the humpback sucker and Colorado River Squawfish.

14. Wildlife Water

WW-1 Determine minimum flows for all live streams crossing public lands and cooperate with DOW to establish these flows under Colorado Senate Bill 97.

CONSTRAINTS

The Management Framework Plan (MFP) for the Roan Creek area was completed in 1971, and is on file in the Grand Junction BLM Office. The major management decisions reached and constraints, within which the Roan Creek HMP must function, are given as follows:

1. Establish the Bookcliff Multiple Use Range and have it published in the Federal Register. A range has since been established for wild horses and domestic livestock removed from the area.

2. Fence posts and firewood will be harvested in the pinon-juniper type when not in conflict with other resources. Only limited and restricted commercial harvest will be allowed on aspen and douglas fir.

3. Land exchanges proposed by resource activities will be pursued in order to block up public lands.

4. Allow for the exploration and extracting of mineral resources (oil shale, gas, oil, coal) with appropriate environmental quality stipulations.

5. No land treatment projects will be permitted in areas where the rare cacti (Sclerocatus glaucus) are found.

6. Provide public access where needed.

7. Retain the primitive state of Goblin Gulch.

8. Provide public access to the heads of Roan and Carr Creeks.

9. Vegetative manipulation should be done in an aesthetically pleasing manner.

10. Develop livestock and wildlife water where feasible and fence off if appropriate.

11. Provide rights-of-way and materials for I-70 through the area with proper constraints for environmental quality. Disturbance of canyon walls rather than river channel should be considered.

PLANNED ACTIONS

D. Planned Actions

1. Wildlife Use

In cooperation with the DOW and The Peregrine Fund establish a breeding pair of peregrine falcons through a hacking operation. The timing is contingent on hack site priorities developed for the State of Colorado and northwest region by the DOW and production of young by the Peregrine Fund. Operation of a hack site is not likely to occur for at least five years.

2. Habitat Development and/or Improvement

A number of projects are being dropped from the original project schedule in this revision of the HMP. Court decisions on the validity of oil shale claims will likely effect future public land ownership within the HMP area. Several Wilderness Study Areas (WSA) designations are under appeal to the IBLA which will limit any significant surface disturbance until resolved. The Projects in these areas will be deleted from the project schedule and placed in a Appendix 4 until wilderness issues are resolved.

Table 1 lists completed projects within the HMP. Table 1a, Habitat Improvement Projects, list projects planned for completion.

The vegetative manipulation projects are designated to increase winter forage for mule deer, maximize edge effect and create a variety of successional stages. Many pinon-juniper sites have progressed (plant succession) to the point where trees dominate the site allowing little production of deer forage.

The following measures will be incorporated into treatment practices to maximize total wildlife benefit and minimize visual impacts.

Table 1 HMP Completed Projects

Project Name	Proj. No.	Units	Cost	Method of Construction	F.Y. Completed	Maintenance Schedule
Soap Reservoir Prot. Fence	4317	.6 miles	$1000	Contract	FY 77	Every 2 years
West Spear PJ Thin & Seed	4388	75 acres	2750	Force Account & Contract	FY 78 & 79	20 years
Coon Hollow Res. & Fence	4383	1 reservoir	7100	Contract	FY 79	2 years
Coon Hollow Res. & Fence	4383	2 reservoir maint.	1200	Force Account	FY 80	
Brush Cr. Prot. Fence	4381	.8 miles	1500	YCC	FY 79	2 years
Brush Cr. Planting & Seeding	4384	10 ac.	500	Force Account	FY 79	None
Brush Cr. Structures		17 structures	400	Fire Crew	FY 81	2 years
Spring Develop. #4127& 0680		2 waters	400	YCC	FY 77	3 years
Winter Flats Guzzlers #1	4557	1 water	4000	DOW Contract	FY 78	3 years
Winter Flats Guzzler #2	4406	1 water	2300	YCC & Boy Scouts	FY 78	3 years
Tater hill P-J Thin & Seed		100 acre	9675	Contract	FY 81	20 years
Tater Hills Rx Burn		40 acres	15/ac	Fire Crew	FY 81	10 years
Bowdish Gulch P-J Thin & Seed	4547	20 acres	2550	Contract	FY 82	20 years
Roan Creek Exclosure	4371	1 Exclosure	1300	YCC	FY 78	2 years
Mule Deer Guzzlers						
Middle Dry Fork		1 water	4000	DOW	FY 78	3 years
S. Shale Ridge #1		1 water	4000	DOW	FY 78	3 years
Left Hand Draw	4552	1 water	2300	YCC	FY 80	3 years
Horse Mountain		1 water	3600	Contract	FY 81	3 years
Cow Ridge		1 water	3600	Contract	FY 81	3 years
Sawmill Gulch	4546	1 water	3600	Contract	FY 82	3 years
S. Shale Ridge #2		1 water	3800	Contract	FY 82	3 years
Colo. River Goose Nesting Patterns	4411	7 structures	100	Boy Scouts	FY 80	5 years
Coal Canyon Guzzlers						
Coal Canyon #1	4554	1 water	4000	DOW Contract	FY 78	3 years
Coal Canyon #2	4555	1 water	4000	DOW Contract	FY 78	3 years
Main Canyon	4556	1 water	4000	DOW Contract	FY 78	3 years
Mtn. Logan		1 water	3600	Contract	FY 81	3 years
Asbury Canyon	45[illegible]6	1 water	2900	Contract	FY 82	3 years
Mt. Lincoln		1 water	3800	Contract	FY 82	3 years
Carr Creek Structures		12 structures	200	Force Account	FY 82	4 years
Kimball Creek Spring	4546	1 spring	1500	Contract	FY 82	2 years

11/82

Table 1a: Habitat Improvement Projects

Project Priority	Project Name	Purpose	Work Months Need	Cost	Units	Target Species	Out Year
5	Chimney Rock PJ Thin & Seed	Project Layout, EA Contract Supervision	2 WM	$4,000	50 acres	Mule Deer	2
4	Winter Flat Res. Maint.	Survey & Design Contract Supervision	2 WM	8,000	1 water	Waterfowl	2
2	Roan Creek Structures	Survey & Design Construction	1 WM	300	10 struct.	Cutthroat Trout	
3	Roan Creek Willow Planting	Planting	.5 WM	-	5 acres	Cutthroat Trout	1
6	Bowen Res. Maintenance	Contract Supervision	.5 WM	3,000	1 water	Waterfowl	2
7	Asbury Pt. Thin & Seed	Proj. Layout, EA Contract Supervision	2 WM	16,000	200 acres	Mule Deer	3
8	Deer Park PJ Thin & Seed	Proj. Layout, EA Contract Supervision	2 WM	10,700	130 acres	Mule Deer	3
1	Castle Rock Sagebrush Beat and Seed.	Proj. Layout, EA Contract Supervision	2 WM	6,400	160 acres	Mule Deer	1

a. The boundaries of vegetative treatment areas will be irregular.

b. A minimum of five mature trees per acre will be left on pinon-juniper cutting areas.

c. No dead standing trees (stump diam. $\geq$ 6 in.) will be cut.

d. Visibility of treatment areas from major travel routes will be minimized.

e. New roads which result from project work will be physically closed at the completion of individual projects.

f. Clearings would be small enough to allow no spot within them to be greater than 400 feet from woodland cover.

g. Comply with BLM Manual 7410 Land Treatments.

Two reservoir maintenance projects have been added, since major reconstruction will be required dur to heavy siltation.

3. Access Development, Improvement, and Management

A significant number of access proposals are being deleted due to future uncertainties in land status. Oil shale claim patenting could result in the loss of much of the public land above 7,000 feet within the HMP area. At this time public funds will not be spent to acquire access to public land with pre-1920 oil shale claims. The following access proposals have been shelved; Head of Roan Creek, Head of Carr Creek, Little Tom, Horse Mountain Bear Gulch, and North Dry Fork. Oil shale and natural gas development may provide opportunities to improve legal public access in these areas. Public access will be incorporated into these developments whenever the opportunity arises. The Logan Mountain road is no longer viable as the DOW no longer has lands leased in the area. The Spear Access Road closure has been dropped as vehicle use is not thought to effect mule deer migration patterns.

Table 2, Access Development and Management as revised list current needs.

The following narrative discription corresponds to project listed in Table 2.

a. Tater Hills Trail. Provide a parking area and construct one-eighth mile of foot trail to provide deer hunter access to 2,600 acres of NRL. The parking area and trail head will be signed.

b. Brush Creek Trail. An eighth-mile trail easement and construction is needed to provide public access from the county road to 800 acres of NRL for mule deer hunting and viewing access.

c. Hobble Gulch Road. Acquire an easement across 500 feet of private land to provide deer hunter access to 4,000 acres of NRL. Construct one-fourth mile of new road to tie in with an existing road.

d. Identification of Public Lands on Dry Fork Kimball Creek and Roan Creek County Roads. The boundaries of public lands will be identified to assist the public in locating public lands and avoiding landowner-hunter trespass conflicts.

e. Bowdish Gulch Trail. Construct one-fourth mile of trail from the county road to NRL for deer hunter access.

f. Tater Hills Road. Acquire one-fourth mile of road easement to provide deer hunter access to 2,600 acres of NRL.

4. Land Acquisition, Classification, and Withdrawal

The lands identified in the roan Creek HMP for acquuisition have not substantially changed. Opportunities to improve ownership as it effects wildlife habitat will pursued whenever the opportunity arises.

Table 5. Access Development and Management as revealed from current need.

The following narrative description concerns an project listed in table 5.

a. Tower Mills Trail. Develop a parking area and construct one-eighth mile of foot trail to provide user access to 2,500 acres of BLM. The existing area and trail need will be 1 (open).

b. Grand Lake Trail. Do eliminate or alter existing and construct to provide an improved quality access from the county road to 400 acres of BLM for hole digging, hunting and viewing access.

c. Moyie River Trail. Requires an expanded parking area and private land to provide user-friendly access to 4,000 acres of BLM. Construct one-fourth mile of new trail to 1/8 in with in existing road.

d. Identification of Public Lands on the East Kootenai River and Kootenai Valley Ranch. The boundaries of public lands will be identified to assist the public in locating available lands and avoiding landowner-hunter problems conflicts.

e. Bonners Ferry Trail. Construct one-fourth mile of trail from the county road to BLM for river hunter access.

f. Tobacco Mills Road. Develop one-fourth mile of road access to provide user access to 2,000 acres of BLM.

g. Land Acquisition, Classification, and Exchange.

The lands identified in the road and for acquisition have not substantially changed. Opportunities in the two county as it affects wildlife habitat will provide access the opportunity arises.

Table 2 Access Development and Management

Project Name	Units	WM Required	Cost	Action	FY Year
Tater Hills Trail	1/8 mile	3	$10,000	Construct 1/8 mile foot trail and vehicle parking area Sign Trail head.	84
Hobble Gulch Road	1/4 mile	4	5,000	Survey and acquire 300' of easement. Construct 1/4 mile of road.	85
Public Land on Dry Fork, Kimball Creek and Roan Creek - Logan Mtn.	27 miles	5	1,000	Survey and sign public lands along county roads.	85
Bowdish Gulch Trail	1/4 mile	5	7,000	Property line survey and trail construction.	86
Tater Hills Road	1/4 mile	4	9,000	Road survey and easement acquisition.	86
Road Maintenance	32 miles	-	2 0,000	Periodic maintenance 10 miles annually	

11/82

Table 2. Access Development and Management

Project Name	Units	MM Acquires	Cost	Action	FY
Water Mills Trail	1/4 mile	3	$10,000	Construct 1/4 mile foot trail and website marking area Tips Trail head.	8
Mobile Catch Road	1/4 mile	4	$ 500	Survey and acquire 300' of easement. Construct 1/4 mile of road.	8
Public land on Cow Pen, Kimball Creek and Bear Creek - Logan Mtn.	25 miles	5	1,000	Survey and sign public land along county roads.	8
Bowling Gulch Trail	1/4 mile	6	7,000	Property line survey and trail construction.	8
Water Mills Road	1/4 mile	4	8,000	Road survey and easement acquisition.	8
Road Maintenance	22 miles	-	2,000	Parkside maintenance 10 mile annually	

the pool area and quality of pools and riffles. On Carr Creek, larger gabion structures will reduce water velocities and provide adequate living space during periods of low flow. One irriagtion diversion on NRL will be screened to prevent fish loss.

Photo #19. Dense pinon-juniper forest with very sparse understory vegetation. Thinning the trees and seeding will increase mule deer winter forage.

Waterfowl nesting and rearing habitat ~~can~~ will be improved by fencing existing reservoirs to exclude livestock grazing (Photo #20). Construction of five reservoirs will provide new waterfowl nesting habitat and provide watering and brooding areas for sage ~~grouse~~ and blue grouse.

Canada goose production and nesting success ~~can~~ will be increased through construction of nesting platforms. Brood habitat ~~can~~ will be improved by creating small grass and forb patches along the Colorado River for feeding and loafing.

The availability of drinking water during the summer months will be improved on chukar and sage grouse habitat by installing bird guzzlers.

Table 1, Habitat Improvement Projects, lists jobs identified for the Roan Creek HMP area along with funding and man-month needs. Detail project plans and benefits are recorded on Job Documentation Report forms (JDR's) in Appendix 3.

3. <u>Access Development, Improvement and Management</u>

Much legal access is needed within the units. An extensive road system has been constructed over the years which provides physical access.

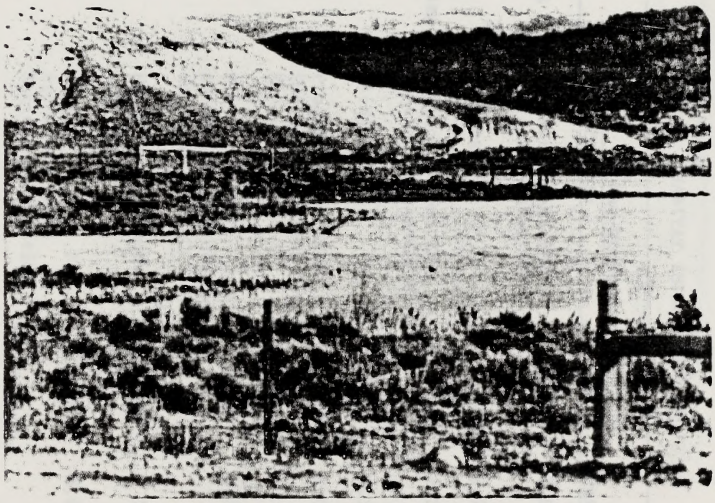


Photo #20. The Winter Flat Reservoir demonstrates the potential for improving waterfowl habitat by protective fencing.

inconsistent — implies jobs are subsets of projects

TABLE 1. HABITAT IMPROVEMENT PROJECTS

Job Priority	Job Name	Man-Months Purpose	Man-Months Need	Cost 1/	Units	Target Species	Out Year
1	Long Pt. P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	$2,860	130 ac	Mule Deer	1
1a	Long Pt. Seeding	Seeding	1.5 MM	1,755	130 ac	Mule Deer	1
2	West Spear P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	2,200	100 ac	Mule Deer	1
2a	West Spear Seeding	Seeding	1 MM	1,350	100 ac	Mule Deer	1
3	Coon Hollow Res.	Project Layout EAR Survey & Contract Supervision	1 MM	2,050	1 water	Waterfowl	1
3	Brush Cr. Prot. Fence	Project Layout Archaeological Clearance EAR	1 MM	3,000	1 mile	Rainbow Trout	1
4	Brush Cr. Planting and Seeding	EAR, Planting and Seeding	1 MM	500	10 ac	Rainbow Trout	1
5	Spring Develop #0680,0681,4127	Project Design, EAR, Arch. Clearance Spring Modification	2 MM	6,000	3 spr.	Rainbow Trout	1
6	Spring Creek P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	2,860	130 ac	Mule Deer	1
6	Spring Creek Seeding	Contract Supervision	.5 MM	1,150	100 ac	Mule Deer	1

what's a water

not a standard abbr.

TABLE 1. HABITAT IMPROVEMENT PROJECTS

Job Priority	Job Name	Man-Months Purpose	Man-Months Need	Cost 1/	Units	Target Species	Out Year
7	Chimney Rock P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	$2,850	95 ac	Mule Deer	2
7	Chimney Rock Seeding	Seeding	1 MM	1,330	95 ac	Mule Deer	2
8	Winter Flat Guzzlers	Project Layout EAR Contract Supervision	.5 MM	2,100	3 waters	Sage Grouse	2
9	Bowdish Gulch P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	1,760	80 ac	Mule Deer	2
9	Bowdish Gulch Seeding	Seeding	.5 MM	475	35 ac	Mule Deer	2
10	Brush Mtn. Reservoir	Project Layout & Design, EAR, Contract Sup.	.5 MM	3,400	1 water	Waterfowl Sage Grouse	2
11	Brush Mtn. Reservoir	Project Layout & Design, EAR, Contract Supervision	.5 MM	3,350	1 water	Waterfowl Sage Grouse	2
12	Carr Creek Reservoir	Project Layout & Design, EAR, Contract Supervision	1 MM	9,400	1 water	Waterfowl Sage Grouse	2
13	Tater Hills P.J. Thinning	Project Layout, EAR, Contract Supervision	1 MM	3,190	145 ac	Mule Deer	2
14	Roan Creek Corridor Fence	Property Line Survey Project Layout, Archaeological Clearance, EAR	3 MM	22,500	8 miles	Cutthroat Trout	2
15	Roan Creek Planting and Seeding	EAR, Planting & Seeding	2 MM	1,800	40 ac	Cutthroat Trout	2 & 3

TABLE 1. HABITAT IMPROVEMENT PROJECTS

Job Priority	Job Name	Man-Months Purpose	Man-Months Need	Cost 1/	Units	Target Species	Out Year
16	Roan Creek Structures	Installation of Sill and wing dams, EAR	7½ MM	$ 1,500	150 ea	Cutthroat Trout	2 & 3
17	Fish Screen	Contract Preparation	.5 MM	1,500	1 ea	Cutthroat Trout	2
18	Mule Deer Guzzlers	Project Layout, EAR, Arch. Clearance, Contract Supervision	1.5 MM	9,600	8 waters	Mule Deer Non-Game Birds & Animals	3
19	Monument Rock P.J. Thinning	Project Layout, EAR Contract Supervision	2 MM	10,560	480 ac	Mule Deer	3
19a	Monument Rock Seeding	Contract Supervision	.5 MM	6,480	480 ac	Mule Deer	3
20	Horseshoe P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	4,620	210 ac	Mule Deer	3
21	Mount Low P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	1,320	60 ac	Mule Deer	3
22	Colo. River Goose Nesting Platform	Project Layout EAR Platform Installation	.5 MM	400	7 platforms	Canada Geese	3
23	Beaver Tail Burning	Project Layout EAR Control Burn.	1 MM	250	10 ac	Canada Geese	3
24	Coal Canyon Guzzlers	Project Layout EAR Contract Supervision	1 MM	3,500	5 waters	Chukar	3

inconsistent

TABLE 1. HABITAT IMPROVEMENT PROJECTS

Job Priority	Job Name	Purpose	Man-Months Need	Cost 1/	Units	Target Species	Out Year
25	Bower Reservoir Protective Fence	Project Layout EAR Contract Supervision	.5 MM	$ 2,000	.5 miles	Waterfowl	3
26	Carr Cr. Narrows Fence	Project Layout EAR Archaeological Clearance	.5 MM	4,500	1.5 miles	Brook Trout	3
27	East Spear P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	2,420	110 ac	Mule Deer	4
27a	East Spear Seeding	Seeding	.5 MM	1,485	110 ac	Mule Deer	4
28	Asbury Pt. Thinning	Project Layout EAR Contract Supervision	2 MM	14,520	660 ac	Mule Deer	4
28a	Asbury Pt. Seeding	Contract Supervision	.5 MM	8,910	660 ac	Mule Deer	4
29	McCurdy Wash P.J. Thinning	Project Layout EAR Contract Supervision	1 MM	1,980	90 ac	Mule Deer	4
29a	McCurdy Wash Seeding	Seeding	.5 MM	858	70 ac	Mule Deer	4
30	Deer Park P.J. Thinning	Project Layout EAR Contract Supervision	1.5 MM	5,720	260 ac	Mule Deer	4
31	Deer Park Seeding	Seeding	.5 MM	3,380	130 ac	Mule Deer	4
32	Carr Cr. Drift Fence	Project Layout, EAR Archaeological Clearance	.5 MM	1,800	.6 miles	Brook Trout	4
33	Carr Cr. Gabions	Project Layout EAR, Contract	1 MM	3,000	5 ea	Brook Trout	4

TABLE 1. HABITAT IMPROVEMENT PROJECTS

Job Priority	Job Name	Purpose	Man-Months Need	Cost 1/	Units	Target Species	Out Year
34	Carr Cr. Prot. Fence	Property line survey Project Layout, Arch. Clearance, EAR	1 MM	$ 7,500	2.5 miles	Brook Trout	4
35	Carr Cr. Seeding and Planting	EAR, Planting & Seeding	3 MM	2,700	60 ac	Brook Trout	4
36	Carr Cr. Structures	EAR Installation of sills & wing dams	5 MM	2,000	100	Brook Trout	4 & 5
37	Carr Cr. Retention Ponds	Project Layout, EAR Arch. Clearance, Contract	2 MM	14,000	3 ponds	Brook Trout	5
38	Carr Cr. Prot. Fence #2	Project Layout, EAR	1 MM	3,560	1.2 miles	Brook Trout	5
39	Tom Reservoir	Project Layout & Design, EAR, Contract Supervision	.5 MM	3,400	1 water	Sage Grouse Waterfowl	5
40	Mud Springs Res.	Project Layout & Design, EAR, Contract Supervision	.5 MM	3,400	1 water	Waterfowl Sage Grouse	5
41	DeBeque Canyon Guzzlers	Project Layout EAR Contract Supervision	1 MM	2,800	4 water	Chukar	5

TABLE 1. HABITAT IMPROVEMENT PROJECTS

Job Priority	Job Name	Purpose	Man-Months Need	Cost 1/	Units	Target Species	Out Year
42	Sulphur Gulch P.J. Thinning	Project Layout, EAR Contract Supervision	.5 MM	$ 2,860	130 ac	Mule Deer	5
43	Cottonwood P.J. Thinning	Project Layout EAR Contract Supervision	1.5 MM	7,920	360 ac	Mule Deer	5
43a	Cottonwood Seeding	Contract Supervision	.5 MM	4,860	360 ac	Mule Deer	5
44	Spear Spring P.J. Thinning	Project Layout EAR Contract Supervision	2 MM	12,430	565 ac	Mule Deer	5

1/ Cost does not include Man Months

Table 2, Access Development and Management, lists needed actions along with manpower and costs, in order of priority. Access needs are illustrated on Overlay #13.

Access development has been coordinated with the District Transportation Plan. Road numbers and signing will be in accordance to BLM Manuals 9110 and 9130. In order to reduce vandalism, methods such as pa inting fence posts to indicate NRL or steel plate signs may be used.

The following narrative description corresponds to projects listed in Table 2.

1. 4-A Mountain & Brush Mountain. Approximately 20 miles of road on 4-A and Brush Mountain are carried by Garfield County as part of their road system. In past years signing and loc ked gates by local landowners have discouraged or prevented public use. The BLM and DOW should work with the county to verify these are public roads, keep the road open to the public and remove illegal and misleading signs. NRL boundaries will also be signed along the road. These roads provide access to 12,000 acres of NRL valuable for mule deer, elk, sage grouse, and blue grouse hunting or viewing, and 4 miles of trout stream.

2. Head of Roan Creek. An easement for public use of 1 mile of existing road across private land is needed to provide access to 7,000 acres of NRL. These lands offer mule deer and blue grouse hunting and 4 miles of trout stream. This area was specifically identified for acquiring public access in the Roan Creek MFP. An alternative to construct 2¼ miles of new road around private land exists. This will only be pursued if negotiations for easements are unsuccessful.

3. Head of Carr Creek. A foot and horseback trail one mile long is needed from the ridgetop to Carr Creek. Mule deer, elk, and blue grouse hunter access is needed along with fisherman access to 4½ miles of stream.

4. Spear Access Road. A closure on 9 miles of road was initiated during the 1974 regular deer season. The closure, a cooperative effort between the BLM and DOW will be continued in future years and extend from the beginning of deer season to the following March 30. The closure improved the quality of mule deer and lion hunting by reducing vehicle use. Concentrated hunter use along the road may also be affecting deer migration patterns and ultimately affect the winter range utilized by deer moving through the area. Hunters have been interviewed in the area during the past three deer seasons and have responded favorably to the closure. Few violations of the closure have occurred.

TABLE 2. ACCESS DEVELOPMENT, IMPROVEMENT AND MANAGEMENT 1/

Project Name	Units	MM Requires	Costs	Action	Out Year
4-A Mtn. & Brush Mtn. County Rds.	18 miles	4	$2,000	Confirm Co. Rd. Locate public land	1
Head of Roan Creek Road	1.5 miles	5	31,200	Acquire road easement. Survey road & property lines and sign. Road construction	1
Alternative	1.25 miles	(3)	(4,000)	Trail survey design & construction.	1
Head of Carr Creek Trail	1 mile	3	1,000	Trail survey & design, YCC supervision, Trail signing	1
Spear Access Rd.	9 miles	-	-	Continue seasonal road closure in cooperation with DOW. Develop permanent agreement.	1
Little Tom Creek Road	-	-	-	Coordinate with Piceance HMP.	1
Deer Park Road	.5 mile	1	1,000	Road survey & easement acquisition.	1
Logan Mtn. Road	12 miles	-	-	Cooperate with DOW in providing access to Logan Mountain.	2
Horse Mtn. Rd.	9 miles	8	191,000	Road survey, acquire easement & construction.	2
Identification of NRL Roan Cr. Rd.	10 miles	10	-	Survey and sign NRL boundaries.	2

1/ Forms 1610-42 Construction Project Analysis are located in Appendix #3 for all road and trail construction projects.

TABLE 2. ACCESS DEVELOPMENT, IMPROVEMENT AND MANAGEMENT

Project Name	Units	MM Requires	Costs	Action	Out Year
Tater Hills Rd.	½ mile	4	9,000	Road survey and construction easement acquisition.	3
Tater Hills Trail	1/8 mile	3	10,000	Construct 1/8 mile foot trail and vehicle parking area. Sign trail head.	3
Bowdish Gulch Trail	½ mile	5	7,500	Property line survey & trail construction sign. Easement acquisition.	3
Identify NRL on Upper Roan Creek	5 miles	4	-	Property line survey and sign NRL boundaries	3
Hobble Gulch Rd.	½ mile	3	5,200	Survey and acquire easements. Construct 1/8 mile of road.	3
Bear Gulch	7 miles	16	241,000	Road survey and easement acquisition.	3
Identification of NRL's Dry Fork & Kimball Creek	12 miles	12	-	Property line survey and signing.	4
Brush Creek Trail	1/8 mile	4	2,200	Trail survey and construction. Trail head sign. Acquire easement.	5
Carr Creek Fishing Easement	.8 miles	-	-	To be acquired by DOW.	5
North Dry Fork	8 miles	8	29,600	Road survey easement acquisition & construction.	5
Head of Carr Cr. Closure		1	1,000	Gate construction	5

TABLE 2. ACCESS DEVELOPMENT, IMPROVEMENT & MANAGEMENT

Project Name	Units	MM Requires	Costs	Action	Out Year
Road Maintenance	35 miles	-	$20,000	Periodic road maintenance--10 miles annually.	-

5. Logan Mountain Road. The BLM will support and cooperate with DOW in providing hunter access to 14,000 acres of land the DOW has leased on Logan Mountain and 2,000 acres of NRL. The BLM will identify NRL's along the road when a permanent agreement is reached. An eighth-mile of easement will be acquired at the mouth of Logan Wash to provide access to 2,500 acres of NRL.

6. Horse Mountain Road.[1] Road easements for the public are needed across 5 miles of private road to provide deer and grouse hunter access to 11,000 acres of NRL. The opportunity for exchanging land rather than the purchase of easements will be pursued (see Section 23F). The road will be closed from mid-November to March 30 to minimize harassment of migrating deer and maintain remoteness of lion habitat.

7. Identification of NRL in Roan Creek. The boundary of NRL along Roan Creek County Road will be signed to assist mule deer hunters and reduce hunter-rancher conflicts.

[1] The Horse Mtn. Road and North DRy Fork Road could be affected by a gas transmission line up Coal Gulch from the west. If constructed, public access may be provided changing the needs and priorities of these two roads.

8. Tater Hills Trail. Provide a parking area and construct one-eighth mile of foot trail to provide deer hunter access to 2,600 acres of NRL. The parking area and trail head will be signed.

9. Tater Hills Road. Acquire one-fourth mile of road easement to provide deer hunter acess to 2,600 acres of NRL.

10. Bowdish Gulch Trail. Construct one-fourth mile of trail from the county road to NRL for deer hunter access.

11. Identify NRLs on Upper Roan Creek. The boundaries of NRLs will be identified along eight miles of stream on Upper Roan Creek. This will assist fishermen using NRL and reduce conflicts with private land owners.

12. Hobble Gulch Road. Acquire an easement across 500 feet of private land to provide deer hunter access to 4,000 acres of NRL. Construct one-fourth mile of new road to tie in with an existing road.

13. Identify NRLs on Dry Fork and Kimball Creek. The boundaries of NRLs will be identified along Kimball Creek County Road from Roan Creek to the end of the county road. On Dry Fork, NRLs will be identified from Roan Creek to the end of the county road on North Dry Fork. This will assist deer hunters in locating NRL and reduce hunter-landowner conflicts.

14. Little Tom Creek Road. Legal road access is needed to 2,500 acres of NRL for mule deer, sage grouse and blue grouse hunting and viewing. Public access should most logically be coordinated with access to NRLs lying to the north outside the unit (1. Access to these lands should be considered when the Piceance Basin HMP is developed.

15. Deer Park Road. Public access is not a problem at present as private roads are not closed. A patent amendment has been filed which will return these lands to federal ownership. A road easement reservation should be included for existing roads on the lands to be patented.

16. Bear Gulch. Legal road access is needed over 5 miles of existing road to provide access to the Roan Plateau. The DOW currently has a year-to-year agreement for hunter access on the lower portion of the road. Access is needed for the public and BLM administration from Roan Creek to the plateau. During the regular deer and elk seasons this road would be closed to general public use to eliminate a loop road situation which encourages road hunting.

17. Carr Creek Fisherman Access. Approximately one mile of trail easement and public fishing rights is needed to connect two NRL tracts. The DOW will acquire the easement.

(1 Access to these lands should be considered with NRL to the north in the Piceance Basin HMP, Craig Dist. completed in FY 1977.

18. North Dry Fork. Legal road access is needed to 14,000 acres of NRL for mule deer, sage grouse, blue grouse, and black bear hunting and viewing. Access is needed through a narrow strip of private land typing in the canyon bottom with NRL on the canyon sides and ridge tops. This road would be closed from December 1 to March 30 of each year.

19. Brush Creek Trail. An eighth-mile trail easement and construction is needed to provide public access from the county road to 800 acres of NRL for mule deer hunting and viewing access.

20. Access development when completed will add approximately 30 miles of road to the Bureau transportation plan.

As a part of all road access development projects, the areas open to public vehicle use will first be examined on the ground. A physical closure of all side roads or unimproved trails will be included as part of the access development projects.

4. Land Acquisition, Classification, and Withdrawal

Land acquisition and exchange will be more difficult in much of the unit because of mineral withdrawals (oil shale) on national resource lands and the high value of lands underlain with oil shale. At this time, there are no firm proposals to acquire important wildlife habitat through land exchanges,

so the feasibility of acquiring wildlife habitat by exchange will first have to be processed as part of the District's regular program as definite proposals can be negotiated with private landowners.

Important wildlife habitat to obtain is illustrated on Overlay #14.

The Bureau of Land Managemnet has authority under the Federal Land Policy and Management Act of 1976 (90 Stat 2743) to obtain lands through exchange (sections 205 and 206 of the Act) and to acquire lands by purchase or donation, (section 205 of the Act). Exercise of the power of eminent domain can be used to obtain access to public lands, but only if the lands so acquired are confined to as narrow a corridor as is necessary to serve such purpose (section 205 of the Act).

Land and Water Conservation Funds can be used by the Bureau of Land Management to purchase lands.

The DOW can acquire lands through purchase or exchange and will be encouraged to do so on all tracts identified.

A management decision of the DeBeque MFP is to pursue land exchanges proposed by activity plans that block up national resource lands. All of the identified tracts to be acquired meet this requirement. Table 3 lists tracts to be acquired with the estimated man-months required to consummate the exchanges.

If future inventories reveal critical habitat (eyries) for the endangered peregrine falcon onprivate land, one of the following three methods could be followed to protect such habitat. Acquire private land within a minimum of one-half mile by BLM exchange or purchase or DOW acquisition, or acquisition through the Office of Endangered Species, U.S. Fish and Wildlife Service.

TABLE 3. LAND ACQUISITION PRIORITIES

Tract Name	MM Required	Acres	Benefits
1. Indian Park	3	320	Maintain important mule deer migration routes and critical winter range.
2. DeBeque Canyon	3	80	Protect Great Blue Heron Rookery.
3. South Dry Fork	4	1600	Provide deer hunter access and use of NRLs.
4. Conn Creek	3	320	Maintain critical deer winter range and improve hunter access.
5. Fessler Homestead	4	640	Maintain deer migration route, mountain lion habitat and facilitate hunter use of surrounding NRLs.
6. Soda Springs	3	160	Maintain deer migration route and facilitate deer hunter use of surrounding NRLs.
7. Horse Mountain	7	880	Provide deer and blue grouse hunter access and facilitate public use of surrounding NRLs.
8. North Dry Fork	8	1460	Provide deer and blue grouse hunter access and facilitate public use of surrounding NRLs.
9. Deer Park	4	960	Maintain critical deer winter range as suitable habitat.
10. Berry Homestead	4	1280	Maintain deer winter range & improve deer hunter access & use of surrounding NRLs.
11. Upper Roan Creek	6	680	Improve deer and blue grouse hunter access and facilitate use of surrounding NRLs. Two miles of trout stream frontage.
12. Whitaker Flat	4	800	Maintain critical mule deer range and assure that changes in land use do not occur that would affect the suitability of surrounding NRL.

COORDINATION WITH OTHER PROGRAMS/AGENCIES

E. Coordination With Other Programs and Agencies

1. Livestock Grazing

Allotment Management Plans (AMPs) are being developed in conjunction with an Environmental Impact Statement on livestock grazing in the Grand Junction Resource Area. The impact statement is planned for completion in FY 1978. Prior to completion of the impact statement, no AMPs will be implemented (Instruction Memo No. CSO 75-211). In order to develop specific wildlife objectives for individual grazing allotment that can be met through manipulation of livestock use, the following studies should be completed. Big Game Range Analysis (including browse age and form class, browse utilization, browse density, and pellet group transects on 43,000 acres of NRL), inventory of important sage grouse brood and meadow use areas on 14,000 acres of NRL, and inventory 30,000 acres of NRL to identify elk calving ground and concentration areas. The following allotments are included in the above acreage and should be placed under intensive management: East Cow Ridge, West Cow Ridge, Middle Cow Ridge, Horse Mountain, Coal Gulch-Roan Creek, Dougherty Gulch, Roan Creek Common Use, Kimble Mountain, Lower 4-A Mountain, Henderson Ridge Common Use, Head of Roan Creek, Head of Carr Creek, Brush Mountain, Fawn Creek (1, Piceance Mountain (1, and Skinner Ridge (1, (see Overlay #8). On the above allotments

---

(1 Within the Meeker Resource Area, Craig District.

deferred or rest rotation grazing systems should be implemented to replace season-long grazing. When the DOW finalizes its long-term plans for its leased lands on Logan Mountain, coordinating administration of DOW land and public land should be considered in the Logan Mountain Allotment. Wildlife objectives to be met through manipulation of livestock are summarized in Table A1-Livestock Management Summary.

Big game range analysis (including browse age and form class, browse utilization, browse density and pellet group transect studies) will be completed on the following allotments in order to develop specific wildlife habitat objectives to be met through manipulation of livestock use: Coon Hollow, West Spear, East Spear, Conn Creek, Latham East of Ranch, Hopple Gulch, Tater Hills, McCurdy Wash, Burdick East of Ranch, Lower Roan Creek Common Use, Berry Homestead, Logan Gulch, Round Mountain, Wittaker Flat. These allotments are located on mule deer winter range, much of which is classified as critical.

The present season of use on six of these allotments is spring and fall grazing. Annual dual seasonal use will be elimiated on individual pastures.

TABLE 4: LIVESTOCK MANAGEMENT SUMMARY

Allotment	Season of Use	Grazing System	Wildlife Objectives 1/
East, West & Middle Cow Ridge	06/01 - 10/30	Rest Rotation	BG-1,4
Horse Mountain	06/01 - 10/30	Rest Rotation	BG-1,4
Coal Gulch-Roan Cr.	06/01 - 10/30	Rest Rotation	BG-1,4
Dougherty Gulch	06/01 - 10/30	Deferred Rotation	BG-1,4
Roan Cr. Com. Use	05/15 - 11/15	Rest Rotation	P-2;BG-1,4;F-1,2
Kimble Mountain	06/01 - 10/15	Deferred Rotation	SG-3,5;BG-1,4
Lower 4-A Mtn.	06/15 - 10/30	Rest Rotation	SG-3,5;BG-1,4
Henderson Ridge	06/15 - 10/30	Rest Rotation	SG-3,5;BG-1,4
Head of Roan Creek	06/15 - 11/15	Deferred Rotation	P-2;BG-1,4;F-1,2
Head of Carr Creek	06/15 - 11/15	Deferred Rotation	P-2;BG-1,4;F-2,3
Brush Mountain	07/01 - 10/30	Deferred	SG-3,5;BG-1,4;F-2,4
Piceance Mtn.	07/01 - 10/30	Rest Rotation	SG-3,5;BG-1,4
Skinner Ridge	07/01 - 10/30	Rest Rotation	SG-3,5;BG-1,4
Square S	07/01 - 10/30	Rest Rotation	BG-1,4;SG-3,5;F-2,4
Coon Hollow	04/15 - 11/30	Rest Rotation	Md-3,4
East Spear	04/15 - 11/30	Deferred Rotation	Md-3,4
Coon Creek	04/15 - 11/30	Deferred Rotation	Md-3,4
East of Ranch	04/15 - 11/30	Deferred Rotation	Md-3,4
rry Homestead	04/15 - 11/30	Deferred Rotation	Md-3,4
Logan Gulch	04/15 - 11/30	Deferred Rotation	Md-3,4
Round Mountain	04/15 - 11/30	Rest Rotation	Md-3,4
Whittaker Flat	11/01 - 03/30	Deferred	Md-3,4
Hopple Gulch	05/01 - 11/30	Deferred Rotation	Md-3,4
Tater Hills	05/01 - 11/30	Deferred Rotation	Md-3,4
McCurdy Wast	04/15 - 11/30	Deferred Rotation	Md-3,4
Burdick E. of Ranch	04/15 - 11/30	Deferred Rotation	Md-3,4
West Spear	05/01 - 11/30	Deferred Rotation	Md-3,4
Logan Mtn.	05/15 - 10/30	Deferred Rotation	SG-3;BG-1,4

1/ Md-1 applies to all allotments

There are currently 3 AMPs in effect in the unit. The Deer Park-Winter Flats and Corcoran Wash-Bronco Flats AMPs are based on the best pasture and rest rotation grazing systems respectively. These plans will maintain wildlife habitat values provided fall use of preferred browse species is not excessive. This should be monitored through the first two cycles of the grazing systems. These AMPs are on file in the BLM Grand Junction District Office. The Square S AMP is located on northern edge of the habitat area with most of the allotment outside the HMP area. This AMP is on file in the BLM Meeker Area Office. There is an opportunity for consolidating administration of DOW lands and public lands in the Square S Allotment. This should be addressed in the Piceance Basin HMP or by updating the AMP.

On all allotments fences will not exceed 42 inches in height with the bottom wire at least 16 inches off the ground to allow game movement. A minimum of 12" will be provided between the top two wires (MFP decision).

Livestock will be excluded from all permanent reservoirs over one-half acres (surface acre) in size by fencing. Water will be piped to troughs for livestock use. When piping is not feasible, water gaps will be provided.

On all allotments salt will be used to improve distribution of livestock use. On allotments with perennial streams salting will be on ridges or benches, a minimum of ¼ mile away from streams except in steep canyon bottoms where the width of usable range maybe less than this distance.

Aquatic and riparian habitat has been severely altered on the upper reaches of Roan, Carr and Brush Creeks. These streams lie in narrow canyons with extremely steep side hills. As a result, livestock use is concentrated along the stream bottoms. Woody vegetation and ground cover has been reduced by grazing and streambanks damaged by trampling (see 6671.3 Stream Surveys Roan Drainage Central Files). Aquatic and riparian objectives will be addressed in the following AMPs: Upper Roan Creek, Roan Creek Community, Upper Carr Creek, Brush Mountain Common Use and Square S (Craig District). To establish woody vegetation and stabilize streambanks, livestock use will have to be eliminated for a number of years or fence from the stream. Normal grazing systems on these allotments which are confined in steep canyon bottoms will not provide the amount of rest required for woody vegetation to become established or prevent trampling of streambanks. Deferred or rest rotation systems will be implemented on areas with riparian and aquatic habitat. Corridor fencing will be required where establishment of woody vegetation for increased canopy cover and stabilization of streambanks are objectives.

2. Forest Management Currently, sales of saw log timber are on a negotiated basis. Future sales of douglas fir or aspen shall incorpoarate the following provisions:

   1. Existing roads will be used whenever feasible.
   2. New road construciton will be kept to a minimum and roads not needed after completion of the sale shall be physically closed and seeded.
   3. Where clear cutting is determined to be the vest silvicultural practice, cutting blocks will be of irregular shape and not exceed 5 acres in size.
   4. Buffer areas of no cutting will be left around raptor nest sites. All large snags within one-fourth mile will be preserved.
   5. On selectively marked sales, a minimum of three snags per acre will be left as raptor perches and sites for cavity nesters.
   6. In fir stands, an undisturbed strip will be retained on the perimeter as preferred winter feeding and roosting sites for blue grouse and to retain the edge effect between forest and shrub types
   7. Maintain a 200 foot buffer strip along all perennial streams and a 100 foot buffer strip along all clearly defined intermittent streams.
   8. No logging equipment will be allowed in or across stream channels or wet meadows during skidding operations.
   9. All road stream crossing will be designed to allow trout movement upstream.

Pinyon-juniper firewood and post sales will be coordinated between the Forestry and Wildlife programs.

Pinyon-juniper firewood or post sales will be established on sites with adequate understory vegetation to respond to removal of the overstory or on sites suitable for seeding after trees have been removed.

Sale area will be examined and all trees being used by cavity nesters protected.

Isolated stands of ponderosa pine on Pine Ridge and Pine Gulch will be maintained with no commercial harvest allowed (MRP decision).

3. Recreation Management. Within the Roan Creek drainage there has been no monitoring of past or present recreational activity, except for that of hunting. Based on the number of deer hunters which have used the Roan Creek Unit in the past, there is currently a large unfulfilled demand. In 1967 and 1968 over 3,000 hunters harvested over 3,600 mule deer. In 1974 the Roan Creek Unit supplied a harvest of 536 animals to 1,300 hunters. At present the unit will not supply the harvest it has in the past, do to the following factors: 1) decreased deer populations, 2) more stringent regulations, and, 3) fewer lands open to the public for hunting. As these conditions are remedied, hunter use will increase as will the demand. Hunter days supplied by the unit have a experienced a similar reduction do to lower hunter success,

reduce hunting quality (opportunity to see deer, success, hunter crowding, abundance of roads, etc.) more restrictive regulations and fewer land open to the public. There are undoubtedly other recreational activities taking place, but without past or present use data, no use projections can be made. Colorado's Statewide Comprehensive Outdoor Recreation Plan (SCORP) presents data on various use for Mesa and Garfield Counties.

Primary among these other uses are off-road vehicle and sightseeing activities. Minor activities include horseback riding, hiking, and fishing. Several organized competitive horseback trail rides are now occurring in the area south of South Shale Ridge during the spring and fall months. Based upon the knowledge of field personnel, it can be assumed that, with the exception of hunting, recreational use of the area is very low and the impact is negligible. Recreational use of the wild horse area is greater than other portions of the unit and is expected to increase.

The lack of legal access and inability of the general public to identify public lands is a major factor limiting recreational use. Approximately 105,000 acres of the 255,000 acres of public land in the Roan Creek HMP are not accessible to the general public. The uncertainty in the minds of many people in locating public lands also discourages the pursuit of various recreational activities on public lands. Many of the inaccessible lands are those that offer the greatest variety in vegetation, wildlife species, water and scenic vistas.

There are no recreation developments or support facilities existing or planned for the Roan Creek area. Camping is occurring on undeveloped site. Camping will be restricted within 200 yards of wildlife watering sites and in the future some areas may be closed to overnight camping. The Goblin Gulch areas have been identified and withdrawn to protect its unique geologic features. The only foreseeable Special Recreation Use Permit issuance in this area will be those concerned with the management of commercial guide and outfitter operations on public lands (Photo #14). This permit procedure has not yet been instituted. When such a precedure becomes effective, the wildlife biologist will have a large input in determining the numbers, types and authorized locations for such permits.

The only other foreseeable recreation management program in the Roan Creek area will be off-road-vehicle management. This program will entail opening, restricting or closing national resource lands and BLM roads to ORV activity. The planning of this program will involve input from both the operations and resource personnel in the district.

Both of the above-mentioned management programs will, if implemented, affect wildlife habitat. There will be either beneficial or adverse impacts on this habitat as a result of the direct effect these programs will have on numbers and locations of commercial hunting operations, availability of

vehicle access, vegetation, soils and wildlife concentrations. Because the specifics of these programs have not yet been developed, it is not possible to determine the extent of the impacts. However, the objectives and methods of this habitat plan will have a direct and significant bearing on the formulation and implementation of the recreationally oriented management programs.

4. Watershed Management. Phase I watershed ratings vary from a heavy to severe soil surface factor at lower elevations in pinon-juniper types and stable to light soil surface factor on forested and sagebrush types at higher elevations. Existing watershed treatments in the unit include pinon juniper chaining, brush spraying on Cow Mountain and brush beating. Soil stabilization and improved water quality will result on vegetative treatment areas with over 12" of precipitation and a slope of 20% or less. On sites with less than 12" of precipitation or slopes in excess of 20%, the distrubance to soil and low productivity potential could result in accelerated erosion. Vegetative treatments on sites with less than 12" annual precipitation should minimize soil disturbance.

The district hydrologist will conduct water quality inventories and monitoring. The following data will be collected for evaluation of fisheries habitat; mean monthly flows, turbidity, temperature specific conductance and fecal coliforms. Water quality stations will be established at 3 sites on Roan Creek,

2 sites on Brush Creek and 2 sites on Carr Creek (see Overlay #15 for station location).

5. Energy Development. Considerable private land in the northern portion of the unit is underlain with oil shale (Overlay #11, Oil Shale). Occidental Petroleum Corporation has expanded its operation over the past two years (Photos #15 and #16).

Photo #14. Commercial guide and outfitter camp. There are currently six guide and outfitters in the unit during the regular mule deer season.

Photo #15. Occidental Petroleum Company mine bench in Logan Wash.

Photo #16. Road to oil shale mine entrance in Logan Wash.

They have been developing their in situ process on an experimental level, but have not yet made a decision on whether they will go into a full-scale commercial development. Getty Oil Company has also been active in the area in recent years. Their activity has been mainly acquiring private land, working out a land exchange with BLM and possible building a reservoir on main Roan Creek. There is currently no NRL leased for oil shale development in this area. At this time, the impact of oil shale development on NRL will result from support facilities needed for oil shale development on private lands.

The following stipulations, when appropriate, should be included in Rights-of-Way or Special Land Use Permits.

a. Existing roads should be used where available for further exploration or development. Rights-of-Way (road or pipeline) will be constructed so as not to present barriers to wildlife movement.

b. Powerline construction will conform to non-hazardous designs set forth in Instruction Memo No. WO-76-45 for the protection of wildlife.

c. Loss of habitat due to oil shale development will be mitigated by rehabilitating distrubed sites, improving adjacent lands to compensate for habitat lost, land exchange or other measures suitable for a given site and action.

d. Prohibit mechanical physical distrubance within one-half mile or immediately above any shale cliff known to be a raptor eyrie site (peregrine falcon or golden eagle).

e. Land exchanges to accommodate oil shale development should not result in a net loss in critical mule deer winter range.

Essentially all public land in the unit is leased for oil and gas. Drilling has occurred or is on-going on a number of sites spread throughout the unit. Although a number of wells have hit natural gas deposits, no wells are currently in production. Wildlife habitat has been affected primarily from the improved access and increased use as a result of the roads constructed for exploration.

Stipulations for oil and gas leasing are covered in Environmental Analysis Report 73-82 (File 1790) on file in the BLM Grand Junction District Office. One additional item which should be monitored is dissolved solids. No ground water discharge will be allowed into live streams which exceeds the existing level of the stream.

A six-inch gas pipeline from Craig to Collbran, Colorado, is currently in the planning stage. The line will pass through the unit by way of Skinner Ridge and main Roan Creek. A line by way of Dry Fork is also being proposed to tie this line in with a transmission pipeline north of Fruita, Colorado.

In the preliminary planning stages is a pipeline from Paraho's operations at Anvil Point to Fruita which will pass through the unit. The pipeline would carry crude oil to the refinery.

6. Wild Horse Management. The Little Bookcliff Wild Horse Area is located within the Roan Creek HMP area (Overlay #8). Domestic livestock use has been removed from the horse area. During the fall of 1975, wild horses were moved within the fenced boundary of the horse area. A management plan for 120 horses on the area will be developed in FY 1977.

Utilization studies to date have not revealed serious competition problems between wild horses and mule deer. Now that all the horses are moved within the designated area, the number of horses the area can support will be determined, based upon range condition studies. See Table 5 for studies within the horse area. A management plan will be completed in FY 1977.

Horses will be excluded from seeded areas within the horse area for two years by constructing a temporary, 3 or 4 strand smooth wire fence with flagging.

7. Interstate Highway 70. Within five years, I-70 from Plateau Creek to Grand VAlley will probably be improved to a four-lane freeway. The least impact to wildlife will occur if the route of the existing highway is followed (Fish and Wildlife Analysis of the Interstate 70 Highway Corridor). Encroachment on riparian

habitat and the Colorado River channel will be a serious problem which the BLM and DOW will work together to minimize.

8. Support Activities. In order to implement the Roan Creek HMP, additional man-months in the wildlife program and support activities will be required. A wildlife biologist GS-7/9 position is necessary to implement the plan. On an annual basis work would be proportioned as followed: project layout 2MM, studies 2MM, inventories 2MM, EARs 2MM.

During four field seasons, a crew of temporary engineering technicians and crew boss will be required to accomplish road surveys and property line locations. The remaining support activities identified in Table 4 will be accomplished with existing District, State Office and Service Center personnel.

Two temporary fisheries aids and a temporary fisheries technician will be required to construct stream structures, seeding and planting and complete evaluation studies.

Implementing and supervising AMPs will require at least one new range conservationist position.

TABLE 5. SUPPORT ACTIVITIES

Support Activity	Man-Months by Out Years 1	2	3	4	5	Costs
Plan Printing						$ 500
Recreation Map Preparation & Printing				2		500
Property Line Survey		10	4	12	10	
County Record Search	2					
Road & Trail Survey and Design	8	4	17		4	
Easement Acquisition	2	4	10		7	
Wild Horse Management	3	3	3	3	3	
Reservoir Survey & Design		1			1	
Cultural Resource Inventory	1	1	1	1		
Range Supervision	2	10	10	10	10	
Road Maintenance						20,000
Water Quality (Hydrologist)	1	1	1	1	1	

ENVIRONMENTAL ANALYSIS
RECORD

UNITED STATES GOVERNMENT

Memorandum

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO:
6600
7-161

To : District Manager, Grand Junction

Date: June 15, 1977

From : Area Manager, Grand Junction Resource Area

Subject : Roan Creek HMP

I have reviewed the Roan Creek HMP and Environmental Analysis Report and recommend that the subject plan be approved with the following modifications.

1. That the vegetative manipulation projects identified for the horse area be delayed until after a decision has been reached concerning possible wilderness values within the area.

2. That the fencing of riparian habitat identified be evaluated on a case by case basis prior to programming and after the Grazing EIS has been completed, as there could be significant conflicts with livestock movement and grazing management currently identified in the Allotment Management Plans within these areas.

L. MacBerta

1541-2
1974

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

EAR FACE SHEET

OFFICE: Grand Junction, Colorado

FY & REPORT # CO-070-GJ7-95

ACTION: Roan Creek HMP
(Project Name, Case Type, etc.)

NO. OF PAGES 22

LOCATION: DeBeque Planning Area
Grand Junction R.A.

SERIAL NO. C.- N/A

REQUIRED BY 43 CFR 23: YES [ ] NO [X]

TEAM SIGNATURES:	TITLE	RESOURCE VALUES ASSIGNED	HOURS
Doug McVean	(Team Leader Wildlife Biologist	All	80
Jon Bley	Recreation Planner	Recreation	20
Gerald Thygerson	N.R.S	Range	8
Tom Peterson	Forester	Forestry	10
Al Pearson	Watershed Specialist	Watershed	8
Jim Wilkinson	Geologist	Minerals	5
John Crouch	Archeologist	Cultural Resources	6
Gus Juarez, Don Kellogg, Mike Kelley		Review	

ENVIRONMENTAL COORDINATOR: Robert M. Allen (Signature) 6/15/77 (Date)

COMPLIANCE OFFICER: Wildlife Biologist
(Title or Name)

AREA ~~DISTRICT~~ MANAGER: L. Mac Berta
(Signature)

6/15/77
(Date)

CSO 1790-1 (Aug. 1975)

ROAN CREEK HMP

Environmental Analysis Report

CO-070-GJ7-95

I. Description of the Proposed Action

The proposed action is to implement the Roan Creek Habitat Management Plan (HMP) for the maintenance, improvement, and expansion of wildlife habitat. The area is identified on the base map, figure 1 and photo #1 of the HMP.

Specific proposed actions are given in the HMP under Section III, Management Methods, pages 28-58. The proposed actions are summarized as follows:

A. Establish guidelines for the implementation of livestock grazing on 30 allotments to maintain or improve wildlife habitat on 125,000 acres.

B. Reintroduce or expand the habitat of three species of wildlife (sage grouse, turkey and peregrine falcon) in portions of the area.

C. Wildlife habitat improvement facilities or treatments.

1. 3,605 acres of pinon-juniper thinning and seeding of grasses, forbs, and browse.

2. Construct 20 wildlife watering devices.

3. Improvement of fisheries habitation on 18 miles of stream through fencing, seeding, planting and instream structures.

4. Construct and fence 6 reservoirs and fence one additional reservoir.

5. Develop three springs.

6. Construct seven goose nesting platforms and improve 10 acres of brood habitat.

D. Improve public access to 93,300 acres of NRL through easement acquisitions, road and trial construction, and designating NRL boundaries.

E. Pursue land exchanges to acquire 9180 acres of private land.

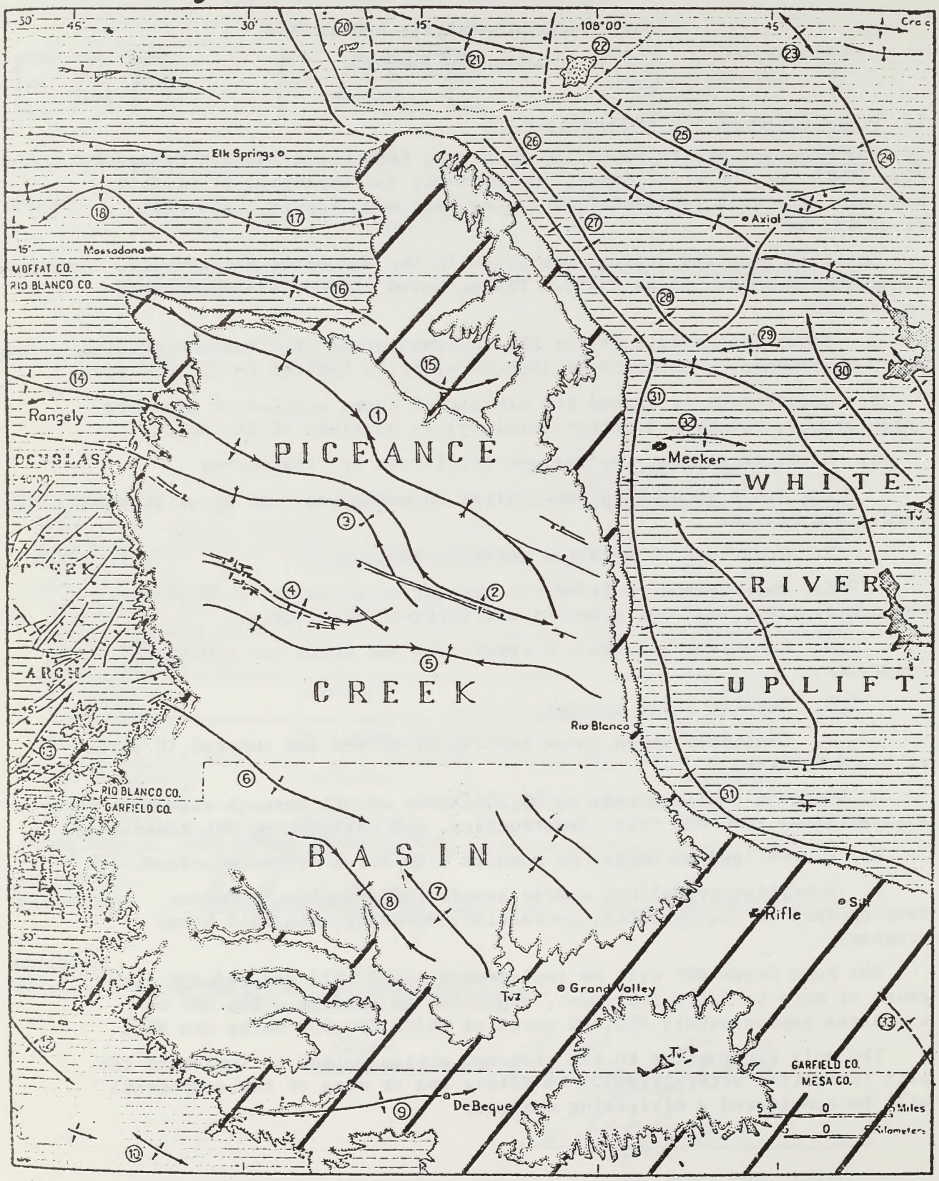
F. Establish guidelines and/or assure coordination in future developments in the forestry, recreation, minerals, and wild horse programs.

The Roan Creek HMP will be implemented in FY 1978 and require five years or more to fully implement, depending on funding. The HMP encompasses approximately 450,000 acres of which 250,000 acres are NRL.

The only alternative to the proposed action is not to implement the plan (No action alternative). To delete one or more of the components will be considered a mitigating measure.

Fig. 1

GEOLOGY OF THE PICEANCE CREEK BASIN



EXPLANATION

OUTCROP SYMBOLS

Tv

Miocene(?) and Pliocene volcanic rocks

Base of Eocene Green River Formation

Base of Eocene and Paleocene Wasatch Formation

Mesozoic and Paleozoic rocks
(locally includes Tertiary Browns Park Formation)

Precambrian rocks

STRUCTURE SYMBOLS

FOLDS

Anticline
showing direction of plunge

Syncline
showing direction of plunge

Monocline

FAULTS

Normal fault
bar and ball on downthrown side

Reverse fault
dotted where concealed or inferred

KEY TO NUMBERED SELECTED STRUCTURES

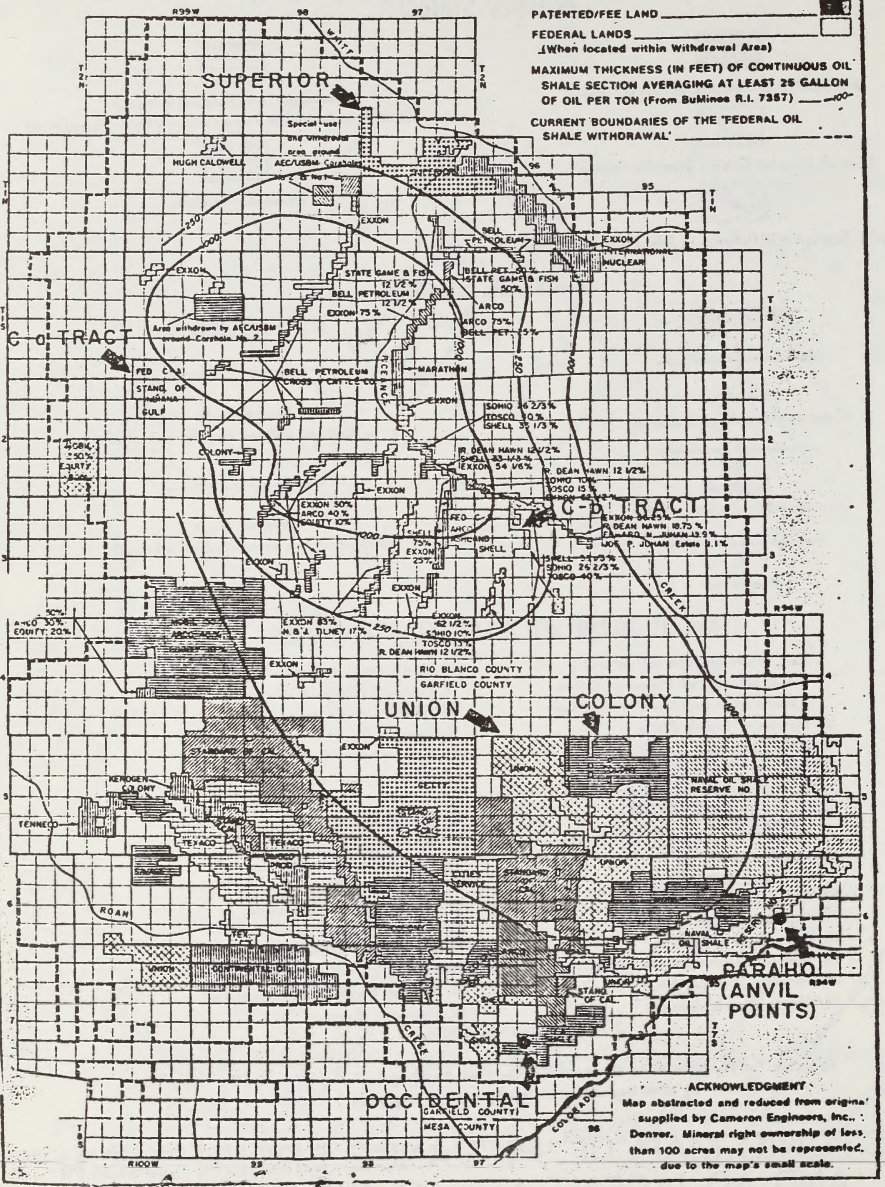
1. Red Wash syncline (structurally deepest part of Piceance Creek basin on troughline near number)
2. Piceance Creek dome
3. South Rangely syncline
4. Sulphur Creek anticlinal nose
5. Hunter Creek syncline
6. Douglas Creek anticline
7. Crystal Creek anticlinal nose
8. Clear Creek syncline
9. DeBeque anticline
10. Asbury Creek anticline
11. Highline Canal anticline
12. Garmesa anticline
13. South Douglas Creek anticline
14. Rangely anticline
15. White River dome
16. Massadona anticline
17. Pinyon Ridge anticline
18. Skull Creek anticline
19. Yampa fault
20. Cross Mountain uplift
21. Axial Basin anticline
22. Juniper Mountain uplift
23. Bell Rock anticline
24. Moffat anticline
25. Axial Basin anticline
26. Danforth Hills anticline
27. Maudlin Gulch anticline
28. Wilson Creek anticline
29. Ninemile anticline
30. Yellowjacket anticline
31. Grand Hogback monocline
32. Meeker dome
33. Divide Creek anticline

Compiled for the 1974 Field Conference of the Rocky Mountain Association of Geologists
by M. W. Reynolds from available published sources

TECTONIC MAP OF PICEANCE CREEK BASIN AND ADJACENT AREAS, COLORADO

Fig. 2 OIL SHALE MINERAL RIGHT OWNERSHIP

PICEANCE CREEK BASIN, COLORADO



ACKNOWLEDGMENT

Map abstracted and reduced from original supplied by Cameron Engineers, Inc., Denver. Mineral right ownership of less than 100 acres may not be represented, due to the map's small scale.

Oil shale lease tracts, current operations, and oil shale thickness, Piceance Creek basin, Colo. Map courtesy of *Western Oil Reporter*, Denver, Colo.

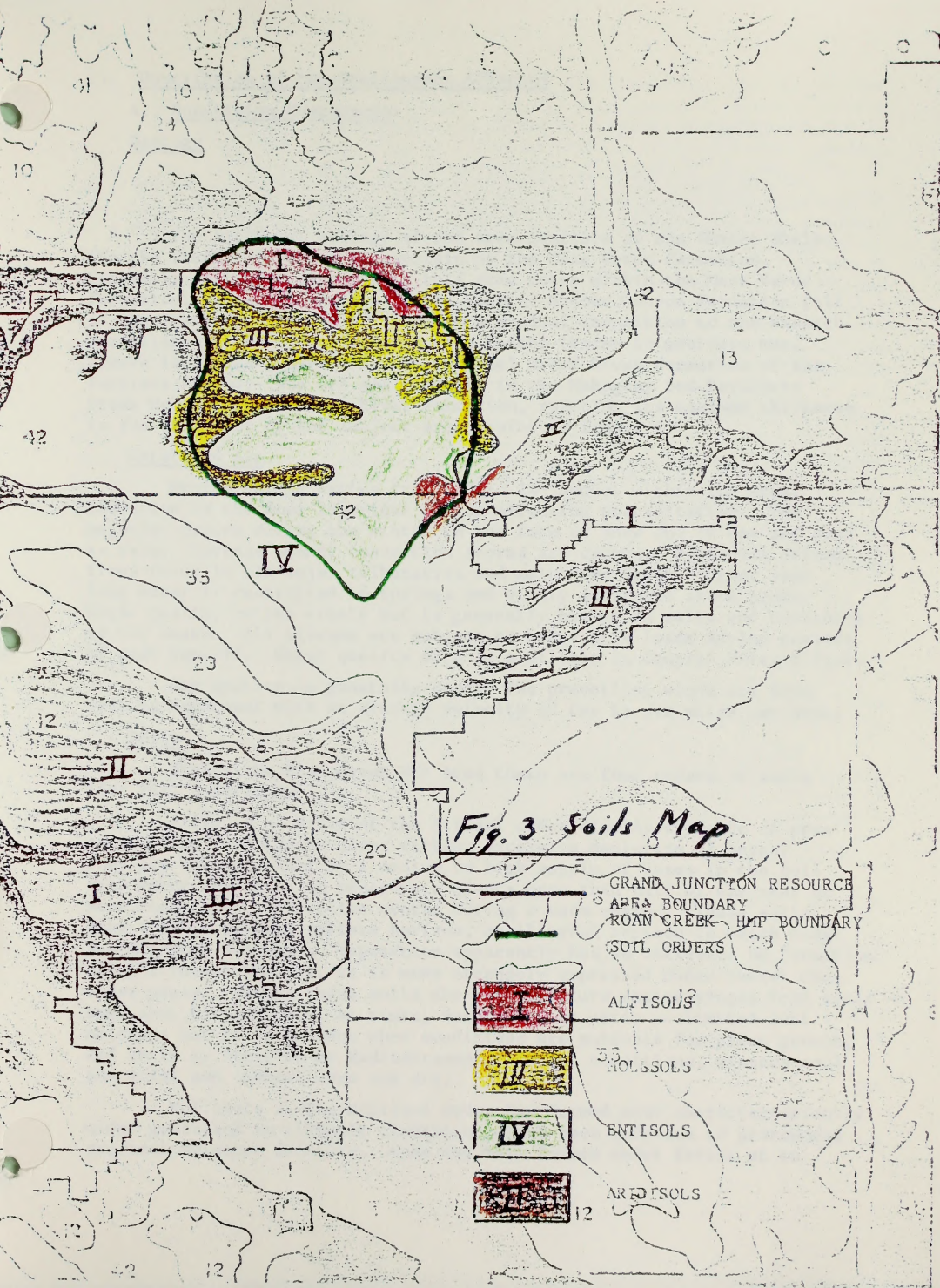


Fig. 3 Soils Map

II. Description of the Environment Affected

A. Non-Living Components.

Geology

The surficial geology of the area consists of the Mancos Shale (to the southwest) which is overlain by the Mesa Verde Formation. Generally, all coal deposits in this area occur within the Mesa Verde Formation. This is overlain by the younger Hunter Canyon Formation (all of the Cretaceous Period). There is a gradual transition to the Wasatch Formation of the Paleocene and Eocene Epochs (refer to geologic map, figure 1). This grades into the (Eocene) Green River Formation of the Tertiary Period. The oil shale occurs in the Mahogany Bed-Parachute Creek Member of the Green River Formation, reaching its maximum thickness to the northeast of the subject area (refer to figure 2).

Water and Air

Precipitation varies from 10" to 24" annual within the area. Elevation is the most important factor effecting precipitation. The majority occurs during the winter in the form of snow and in May and June as rain. Intense summer convection storms are common. Perennial stream flows occur in six major tributaries and main Roan Creek. Other year long water is restricted to springs and widely scattered stock ponds. Water quality varies widely but is generally higher in salts and turbidity to the south. All streams are subject to heavy silt loads during periods of peak run-off. Water quality data is available in Central Files 6711.1.

Air quality is generally good. The prevailing winds are from west to southwest with an average velocity of two to six miles per hour.

Soils

Within the Roan Creek HMP Area there are four orders of soils (See Fig. 3 Soils Map).

Alfisols -- Soils of the Alfisol order display evidence of processes that translocate clays without excessive depletion of bases. They are characterized by a medium to high supply of bases in the soil with water available to mesophytic plants more than half of the year or more than three consecutive months during a warm season. These soils have a light colored surface horizon, an illuvial horizon in which clay has migrated downward. Vegetation apparently has an influence on formation of an illuvial horizon, it is more strangely expressed under forest than under grass. Within these soils the soil moisture regime ranges from aquic -- some soil horizons are, at times, saturated, to ustic -- limited soil moisture but it is present when conditions are suitable for plant growth, and zeric -- typified by Mediterranean climatic conditions, winters cool and moist and summers warm and dry.

Mollisols -- The Mollisol order has formed most characteristically under grassland in climatic conditions which have moderate to pronounced seasonal moisture deficits. Some may have formed under forest at an

earlier period. However, moisture levels capable of supporting perennial grasses seems to be essential for their formation. In areas where slope is not too steep, the Mollisols are often used in production of small grains.

Entisols -- A principle characteristic of the Entisols is the lack of horizonal development relating or involved in the soil formation process. The lack of horizonal development is related to various factors including, but not necessarily limited to: parent materials slow to alter in the soil formation process such as quartz, time for soil formation may have been too short, being located on steep eroding slopes upon which erosion goes on at a rate more rapid or equal to soil formation, soil formation may be impeded by deposition of alluvium. Of the above mentioned factors affecting development, one or any number of them may be influencing development in a given site.

Aridisols -- A characteristic common to Aridisols is a lack of water available for mesophytic plants for extended periods. Generally there is no "available" moisture during most of the time soil is warm enough for plant growth and they never have available moisture for as long as 90 days when soil temperature is greater than 47°F. Water take up is generally very slow which promotes rapid run-off which in turn promotes accelerated erosion. Some of the Aridisols are very salty, they are primarily soils of arid regions. Vegetation, if present, consists of scattered plants, ephemeral grasses and forbs, cacti and xerophytic shrubs. Some Aridisols provide limited grazing, if irrigated, many are suited to a wide variety of crops such as in the Grand Valley.

Erosion susceptability and classification generally progresses through the orders as follows: Aridisols, very high; Entisols, high; Mollisols, moderate; and, Alfisols, low. These ratings are influenced a great deal by slope and vegetal cover and the complete range of erosion classification may be present in any or all of the orders.

Rehabilitation capability is nearly the opposite in that the probability of success increases from Aridisols to Entisols to Mollisols to Alfisols. There will be all levels of success throughout all of the orders depending on a multitude of environmental factors.

Land Use

Land use is primarily agricultural, involving farming and livestock grazing. The valley bottoms are cultivated where adequate irrigation water is available. Essentially all lands suitable are grazed by livestock, which today are mostly cattle. Many ranches are owned by energy related companies and leased to livestock operators.

Mineral development has been primarily for natural gas. Potential for oil shale development exists, but actual development has only been on an experimental basis at one site.

Recreation use is discussed on pages 57, 59-61 of the Roan Creek HMP.

Additional information and photos are available on the non-living environment in the Roan Creek-Winter Flats URA and Roan Creek HMP.

B. Living Components.

Vegetation is typical of the Colorado Plateau Region and varies considerably, depending on exposure, elevation and the amount of precipitation. At lower elevations, pinon-juniper and sagebrush are the major types. At intermediate elevations, mountain shrub types composed of serviceberry, mountain mahogany and oakbrush predominate. Douglas-fir and aspen are found at higher elevations on north and east exposures. Sagebrush is normally dominant on ridgetops above 8,000 feet.

Aquatic and riparian vegetation is almost totally restricted to perennial stream courses. Grasses such as Kentucky bluegrass and forbs such as yarrow and dandelion are most common. Willow, alder and water birch occur along headwater streams. On the lower reaches of Roan Creek, willow and cottonwood are common.

Several endangered or threatened plant species occur in the area. The best documented one is hedgehog cactus (Sclerocactus glaucus) which is known to occur in Coon Hollow at several locations. This species is listed as endangered. Wild heliotrope (Phacelia submutica) has been nominated for listing. This species occurs on clay foothills around DeBeque but specific sites are not known.

Wildlife

The Roan Creek area supports a varied and abundant fauna. Most conspicuous is the mule deer population. During the winter, mule deer are concentrated in pinon-juniper and sagebrush habitat types below 7,000 feet in elevation. For a short period in the spring, extensive use is made on cultivated fields. This is followed by a migration to higher elevations where deer spend the summer utilizing mountain shrub, aspen and sagebrush habitat types.

Elk are found in the northern portion of the habitat area but are more restricted in their current area of use. A seasonal, elevational migration is made by elk also, but their movement is generally short in distance and dependent on snow conditions.

Mountain lion and black bear are both found throughout the area, although areas they frequent most often differ significantly. Mountain lion are found primarily on pinon-juniper types with broken topography. Black bear occur at higher elevation in the mountain shrub and coniferous types. Frequent bear use occurs at lower elevations, as bear search for food during the spring and fall months.

Other larger mammals found throughout the area include coyotes, bobcats, and beaver. Beaver are found along the main stream systems.

A variety of game birds occur in the unit. During the summer, mourning doves are most common and found throughout the area. Sage grouse and blue grouse are found at higher elevation, generally in the northern portion of the unit. Chukar are found at lower elevations, generally associated with steep rocky topography in the Colorado River Canyon and the Bookcliffs. A remnent population of turkey may possibly still occur in the Pine Gulch area.

Waterfowl are widely scattered in the area and limited by suitable water areas. Mallards, the most common duck, nest along the larger streams and stock ponds. Canada geese are found nesting along the Colorado River.

The numerous shale and sandstone cliffs provide nesting sites for a variety of raptor including golden eagles, red-tailed hawks, prairie falcons, kestrels, ravens, and turkey vultures. Bald eagles are common along the Colorado River during the winter.

A variety of small mammals and birds typical of the Colorado High Plateau occur in the unit. A list of species present is included in the Roan Creek HMP under Appendix 2.

Trout are limited to the headwaters of North Dry Fork, Clear, Carr, Brush and Roan Creeks where suitable flows and water quality maintain populations of rainbow, brook and cutthroat trout. Distribution of major species of fish and wildlife are displayed on overlays 1, 2, 3, 4, 5, and 15 of the Roan Creek HMP.

Threatened and Endangered Animals

The peregrine falcon, a state and Federal endangered species, has been observed in the area in recent years. In the past, a breeding population occured in the area; but, presently, the existence of breeding peregrines is only suspected. The Colorado River Squawfish historically occurred in the Colorado River but it is no longer believed to be present in this portion of the river. This is a state and Federal endangered species. The humpback sucker, a state endangered species is present in the Colorado River from DeBeque down stream.

Wild Horses

A herd of approximately 100 wild horses occurs along the western edge of the unit between the Bookcliffs and Main Canyon. These animals are protected under Public Law 92-195 and have been confined to a range where domestic livestock grazing is no longer allowed.

C. Ecological Interrelationship.

Soils provide the basic nutrient for plant life. The soil's interaction with topography and climate determines the type and abundance of plant life occuring on specific sites. The plant life produces its own food by photsynthesis. Some of this food is used by the plants for maintenance and growth. A multitude of food chains with primary and secondary consumers exist and when combined form a complex food web. Primary consumers are insects, rodents, deer, elk, and domestic livestock. Secondary consumers are trout, weasle, raptor, coyote, bear, bobcat, mountain lion and others. The secondary consumers often fall prey themselves, forming long and more complex food chains. When the above plants and animals die, they are decomposed by fungi and bacteria, thus returning nutrients to the soil.

D. Human Values.

1. Landscape Character.

The Roan Creek drainage reflects geologic erosion which has occurred in past ages. Towering shale cliffs rise abruptly above valley

floors to rolling ridge tops. The valley floors have been most affected by man's actions. Agricultural development, roads, powerlines, and ranching development dominate the landscape. The reminder of the area retains much of its natural character with roads being the most obvious evidence of man's actions. Woodland, brush, forest, and meadow are all represented on the area.

The large area south of South Shale Ridge differs in character from the main Roan Creek drainage. Rough terrain is divided by deep canyons. Rock formations form canyon walls with woodland and sagebrush intermingled on the mesa located between the canyons.

2. Socio-cultural Interest.

Recent inventory work in or adjacent to the Roan Creek Habitat Management Plan area, by Colorado State University and the Historical Institute and Museum of Western Colorado, reveals moderate occupation by Ute and Archaic Cultures. The most recent occupation of the Roan Creek area was by the Ute Indians who were removed from the San Juan Mountains during the late 19th century. The 1873 Brunot Treaty assigned the area north of the White River to the Utes, as well as two other areas - one in New Mexico and one on the Uncompaghre. However, small groups of Utes continued to utilize areas outside of this boundary. Roan Creek is reported to contain a Ute race track.

Prior to the 1873 treaty, Utes utilized most of Western Colorado.

Pre-Ute utilization of this area is confirmed. Private collectors and data received from excavations north of the Roan Creek Habitat Management Plan area, indicate use of the area by peoples ascribed to the Desert Archaic Time period 2,000 - 7,000 B.C.

Paleo Indian (10,000 - 12,000 B.C.) and preprojectile occupation (10,000 - 50,000 B.C.) is not confirmed. Lithics associated with Paleo Indian have been found in this general area but observations assigning the lithics to the Paleo period are not conclusive.

To the southwest, conclusive evidence of occupation by an agricultural culture exists. This culture is referred to as the Fremont Culture (700-1200 A.D.) However, no evidence at this time exists to indicate occupation by the Fremonts in Roan Creek.

Typical sites known to occur within the Roan Creek area are lithic scatters. Only two stratified sites are known to occur within this area. The recession of the glaciers during the latter part of the Quaternary resulting in ever diminishing runoff and erosion and subsequent reversal to a deposition situation may be the reason Paleo Indian or Preprojectile sites are not recorded. Continuing erosion may reveal some early sites.

The early history of the DeBeque-Roan Creek area begins around 1776 with the explorers, Fray Silvestre Velez de Escalante and Francisco Antonasio Domegues, who, while searching for a new route to California, reached DeBeque on September 5, 1776, and proceeded up Roan Creek to the White River country. Subsequent activity centered around fur trapping

which started around 1800 and was in full swing by the 1820's, diminishing in intensity around 1845. As the Louisiana Purchase added significantly to the size of the United States and was not really explored, the Government began to send out surveyors and explorers to garner the information concerning the natural resources and potential for settlement. These treks began around 1805 and lasted until 1876. Noted explorers or groups that reached the Grand River or DeBeque, include James Pattee (1826), John Charles Fremont (1845) and Kit Carson (1845). By 1859, gold had been discovered on the Eastern Slope and it wasn't long until the rush resulted in expulsion of the Utes from Colorado, a transportation system being built and the western slope becoming settled. Since 1882 everything has grown larger. Mining, ranching, tourism resulted in the present day complex, like the small Occidental Oil Co. plant up Roan Creek. Resources associated with the early exploration and later mining activity include mines, mills, trails and structures associated with settlements.

Paleontological resources in the Roan Creek Habitat Management Plan area are not assessed. Adjacent areas (Douglas Creek) contains bones of Bison antiqus as well as invertebrates well preserved on Douglas Pass. Large vertebrate fossils occur in New Castle and on the south side of the Bookcliffs. Our geological department's assessment of the Roan Creek area indicates a lack of the Morrison Formation which generally contains vertebrate fossils.

III. Analysis of the Proposed Action and Alternatives

A. Proposed Action

1. Unmitigated Impacts

a. Recreation

1) There will be increasing visual evidence of man's action resulting in disruption of the natural setting. Constrast in color, form and texture between the project areas and the surrounding landscape will result from the thinning of 3605 acres of pinon-juniper stands.

   The construction of guzzlers, fences, instream structures, reservoirs, boundary signs, roads, trails and springs will result in visual signs on the landscape.

2) Legal access to an additional 96,000 acres and identifying NRL boundaries will allow for increased opportunity and use of the subject land for a variety of recreation activities, including; sightseeing, hiking, horseback riding, ORV use, camping, hunting and fishing.

3) The quality and quantity of hunting and fishing days the area supports will increase with increased wildlife populations and there will be greater area for dispersal of these activities.

4) Seasonal and/or permanent closures of secondary roads will, in some areas, limit certain types of recreational use such as ORV activity. Retaining the remoteness of lion and bear habitat will also place limits on these activities.

5) The operations of four commercial guides providing hunting services primarily on NRL will be adversely affected by provisions of public access to land presently available only to their clientele.

6) Land treatments; fencing; reservoir, road, trail and guzzler construction may damage or destroy archaeological, paleontological or historical values.

7) Goose nesting platforms and the elimination of brush cover on ten acres adjacent to the Colorado River will detract from the natural river setting and be visible to large numbers of people traveling on I-70 through DeBeque Canyon.

8) Access construction necessary for land treatments within the wild horse area will increase vehicle use through some areas of the range. This will result in damage to vegetation, and soils. It may disrupt wild horse movements and feeding habits. It will diminish the feeling of isolation felt by some visitors to the area.

b. Livestock

1) The forage produced on approximately 200 acres will not be available to livestock as a result of stream fencing.

2) Water will be less accessible in three allotments requiring livestock to trail further to water.

3) The quality of livestock forage produced on 125,000 acres will be enhanced as a result of grazing management.

4) Disruption of some livestock operations from their traditional mode of operation will result. Later turn-out may require longer periods of winter feeding with associated costs. More frequent movement of livestock through the grazing season will increase time and labor costs. Grazing management changes will not occur until after a environmental statement in FY 1978. The statement will evaluate impacts of grazing management in greater detail.

5) Livestock forage quality will be increased on 2500 acres of P-J land treatment. On the areas where this will occur a minimum of two years non-use will have to be taken.

6) Three spring developments and six reservoirs will improve the distribution and quality of water available to livestock.

7) On approximately 8 allotments providing public access will increase harassment of livestock and increase operators supervision time.

8) Potential land exchanges would improve efficiency of BLM management and in some cases eliminate uncontrolled private land from allotments.

9) Maintenance or improvement of wildlife habitat will result in less than maximum potential livestock forage production being reached. Maintenance or increases in some shrub species as food and cover for wildlife species will not be the most productive forage for livestock.

10) Fencing sections of streams will increase livestock use at water gaps and on intermingled private land along the streams. Protective fencing in certain locations could hinder or block livestock access to portions of allotments or when located on steep hillsides allow cattle to jump the fence from the uphill side and then be unable to escape the fenced area.

11) Increasing the winter deer population to the point where average utilization on Big Sagebrush averages 40% will increase deer and livestock forage competition on early spring range. During this period both deer and livestock seekout early growing forbs and grasses.

c. Wild Horses

1) Forage production for horses would be improved on 960 acres of pinon-juniper thinning and seeding of grasses, forbs and browse. Although not occuring on the 960 acres at one time, horses would be excluded from these areas allow establishment of seeded species.
The current forage production on the areas would not be available for two years, resulting in heavier use on adjacent areas.

2) Normal band movements would be disrupted by temporary fences and the possibility of injury to horses, even with the use of smooth wire, would be increased.

3) Human activity during project work and the extension of vehicle access (even if only temporarily) will increase harassment of horses and disrupt normal band movement and possible band composition.

4) Studies planned, will determine mountain lion-horse relationships and improve the knowledge on population dynamics for the horse herd.

5) Acquisition of private lands within the horse area would remove the possibility of developments or land uses occuring which are not compatible with management of a wild horse area.

d) Wildlife

1) Forage production available to mule deer will be increased on intermediate and winter range through manipulation of livestock use and vegetative manipualtion pracitces in the pinon-juniper type.

2) Mule deer distribution and animals to be supported on 25,000 acres will be increased with the availability of additional water. On summer range the majority of deer and use occurs within ½ to 1 mile of available water. Areas over one mile from water are not supporting the number of deer that available living space and forage will support.

3) Pinon-juniper thinning will reduce the available habitat to a number of species dependent on a mature pinon-juniper forest. Such species as pinon jay, pinon mouse and brush-tailed woodrat would be adversely effected. A number of species common to the Colorado Plateau which utilize edge areas, open shrub types or feed on seeds would increase on these areas.

4) Increased harrassment of wildlife and disruption of normal activities will result from improved public access and increases in recreational use.

5) Waterfowl use and production will increase as a result of seven reservoir developments and stream protection measures which will improve nesting and brood cover and living space.

6) Blue grouse and sage grouse habitat will be improved by improving water distribution, nesting and brood cover, and reduce disturbance during the nesting season.

7) The habitat of sage grouse and turkey will be expanded.

8) Eighteen miles of trout stream habitat will be improved by improving quality and ratios of pools and riffles, reduced siltation, increased canopy and streambank vegetaion cover.

9) The presence of a breeding peregrine falcon population will be determined through inventories. Dependent on priorities established by the peregrine recovery team a population of falcons could be re-established in the area. Riparian habitat, a primary food producing habitat type for peregrine, will be impoved as populations of small mammals and birds will be enhanced.

10) Canada goose nesting success and brood feeding areas will be enhanced along ten miles of the Colorado River.

11) Stream fencing will interfere with movement at big game animals and present a hazard to mule deer.

12) No vegative impacts will occur to endangered or threatened animal or plant species from the actions proposed.

e. Lands

1) The disposal of NRL through land exchange will be limited on critical mule deer winter range to acquisition of similar type habitat.

2) Maintenance of wildlife habitat could effect the location, season of construction, and rehabilitation practices required on various types of rights-of-way.

3) Consolidating NRL through land exchanges will facilitate management and utilization of resources in the lands, minerals range, wildlife, forestry, watershed, and recreation programs.

f. Minerals

1) Re-introduction of peregrine falcon would limit most forms of physical disturbance on nesting cliffs and limit seasonal activities and possible site occupancy for mineral development within ½ to 1 mile, depending on the nature of the devlopement.

2) Required rehabilitation or improving adjacent sites when wildlife habitat is lost due to mineral development when feasible and authority is provided will increase cost and time of devlopment.

3) Potential exchanges to facilitate oil shale development could be prohibited on critical deer winter range unless similar type habitat was included in offered lands. This could cause delays in development or possibly increase costs depending on specific situations.

g. Timber

1) Forest products such as firewood and posts will be lost on pinon-juniper sites where vehicle access is not provided.

2) Future productivity of pinon-juniper wood products on 3600 acres will be reduced by establishing grasses, forbs and brush species on these sites.

3) Potential harvest of fir timber will be reduced at upper elevations by maintaining buffer strips along stream courses and the edge effect with other vegetative types on ridge tops.

4) Harvest of timber products will be facilitated by improved legal and road access for both pinon-juniper and douglas fir.

h. Watershed

1) Improved ground cover and reduced soil movement will occur on 3600 acres of pinon-juniper thinning and seeding.

2) Improvement in existing watershed conditions will occur under livestock grazing guidelines, although maximum watershed conditions (SSF) will not be achieved. Maintenance or increases in shrub and tree vegetation to provide wildlife food and cover will limit maximum SSF achievable.

3) Stream fencing, seeding, and planting will decrease bank erosion and soil loss.

4) On Roan, Carr and Brush Creeks water quality will be improved by lowering water temperatures and sediment loads on the headwater portions of these streams.

5) Soil disturbance and loss of vegetation will occur from fence, road, trail, instream structures, and reservoir construction.

6) Upgrading and proper design of existing road will reduce erosion from these sites.

7) Expansion of sage grouse habitat will restrict vegetative treatment of sagebrush vegetation occuring on 4000 acres to improve water condition.

2. Possible Mitigating Measures

a) Complete, specific on-site clearance for archaeological, paleontological, and historic values of all surface distrubing activities. Require modification or delete any proposals that will result in a loss of these values.

b) Complete a visual contrast rating for specific sites and action where visual disturbance will occur. Stipulations or alternations will be developed on a case-by-case basis. On land treatments consult landscape architect on project layout and design.

c) On areas where public vehicle access is provided, a determination on secondary roads to remain open and designation of ORV use as either open, closed or restricted will be made. This will be done prior to opening the areas to public use.

d) Vehicle access should not be extended on existing roads in the wild horse area in order to retain a sense of isolation and limit the influence of vehicles.

e) Habitat improvements such as fences, guzzlers and nesting platforms be of a color and location to blend into surrounding vegetation and topography.

f) On pinon-juniper thinning projects provide vehicle access so wood products can be sold from the area.

g) The sale of woodland products will be coordinated with wildlife habitat treatment areas as local market demand allows. A bond will be required on sale areas to assure harvest is accomplished in accordance to contract stipulation necessary to achieve wildlife and forestry management objectives.

h) On pinon-juniper thinning areas all trees with holes valuable to cavity nesting species will be protected.

j) Do not fence stream bottoms but remove livestock for two years to allow establishment of seedings and plantings, and installation of instream structures.

k) Do not locate protective stream fences on sites where movement through a pasture will be blocked or portions of the range isolated. Provide livestock access to water every half mile. Fences should not be located on sites where livestock will be forced to trail on moderately steep slopes. Heavy trailing on slopes with poorly developed soils derived from shale will increase soil movement and siltation of stream beds. This process would be most severe on south and west facing slopes.

l) Minimize temporary loss of available forage to wild horses by completing and establishing one vegetative treatment project on horse area prior to initiating a second treatment area. The increased forage on the first treatment area would then compensate for forage made unavailable on succeeding treatment areas. Temporary fencing horses off treatment areas should be minimized by utilizing natural barriers wherever feasible and increasing the visability of the fence with reflectors, colored ribbon or other appropriate devices.

m) Land treatment should be completed in one season during the summer and early fall to limit disturbance to wild horses. Vehicle travel should not be extended through new road construction. Those treatment areas not accessible by existing roads and short distances of overland travel will be restricted to helicopter or foot access.

n) Parties wanting to exchange for NRL which are critical deer winter range could acquire critical winter range from third parties to offer in exchange proposals.

3. Adverse Impacts Which Cannot Be Avoided

a) There will be adverse impacts to visual resources resulting from construction and land treatment activities, although visual quality standards will be adhered to in all situations.

b) Improved public access will adversely effect vegetation, soils and increase harassment of wildlife as a result of increased human activity, ORV use, and littering.

c) Seasonal road closures and designation of closed or restricted ORV areas which will be developed as part of access plans will limit certain use of NRL.

d) The operation of four commercial guides providing hunting services on NRL will be adversely affected by providing public access.

e) The conversion of brushy vegetation to grassy areas along the Colorado River will disrupt the river setting and be visible from I-70.

f) Stream protective fencing will remove 200 acres from livestock use, increase trailing distance to water by ¼ mile and concentrate use at water gaps and intermingled private lands.

g) Increasing the winter deer population will increase competition between deer and livestock in the early spring when both seekout early green growth on grasses and forbs. If a corresponding improvement in plant composition vigor and forage production results from intensive livestock grazing management, the competitive use will be minimal.

h) Surface disturbing activities such as reservoir construction, fencing, guzzler installation and road and trail construction will result in increased harassment and disrupt normal horse use patterns.

j) The traditional mode of operation of some livestock operations will be disrupted as a result from implementation of intensive grazing management under grazing guidelines. On land treatment site livestock use will be curtailed for a two year establishment period. This will result in a loss of livestock forage to be utilized.

k) Several species of small mammals and birds dependent on a mature pinon-juniper habitat will be adversely affected on vegetative treatment sites.

l) The determination of a existing or reintroduction of a breeding population of peregrine falcons will limit activity and land uses within ½ to 1 mile of eyries.

m) Production and utilization of pinon-juniper wood products will be decreased on 3600 acres of land treatment where the objective will be to maximize grass, forb and browse productions.

n) Maintenance of mule deer habitat requires a interspersion of habitat types including forested and shrub types. Maintaining these types of vegetation, which is not always the most productive for livestock production or minimizing soil surface factors, will result in less than optimum production of these resources.

o) The expansion and maintenance of sage grouse habitat requires the maintenance of sagebrush habitat types. This would preclude or restrict potential land treatments in sagebrush types that might improve livestock or watershed resources.

4. Relationship Between Short-term Use and Long-term Productivity

Short-term use will result in a reduction in vegetative productivity on sites where vegetation is distrubed or temporary restraints on livestock and horse use are necessary for seeding establishment. Long-term productivity of wildlife habitat will be increased through improved cover, forage, and water.

5. Irreversible and Irretrievable Commitment of Resources

Minor amounts of soil loss will occur with any surface disturbance which is a irretrievable loss. There are no other irreversible commitments of resources although practices such as pinon-juniper thinning would require long time periods (100+ years) to return to existing conditions.

B. Alternative of No Action

1. Unmitigated Impacts.
The no action alternative will result in a continuation of wildlife habitat remaining in less than satisfactory condition. The potential for increasing wildlife population will not be realized. The public will not have the opportunity to enjoy the resources available on a significant portion of NRL. The quality and quantity of human activities associated with wildlife habitat and populations will be less than present and projected demands will require.

2) Possible Mitigating Measures

There are none under the no action alternative.

3) Adverse Impacts Which Cannot Be Avoided

They are the same as items discussed III B 1 above.

4) Relationship Between Short-term Use and Long-term Productivity

No short-term use will occur. Long-term productivity will remain at present levels or decline. Without altering current uses or vegetation successional patterns productivity of wildlife habitat will continue to decline on many sites.
The potential increases in habitat productivity which would result by providing one of the essential elements of food, water, living space or cover for specific species will not occor.

5) Irreversible and Irretrievable Commitment of Resources

There appears to be only one situation that possibly could fall into this category. Peregrine falcon, and endangered species, are rapidly declining and without a turn around in current trends could become extinct. This would be an irretrievable loss. Although the Roan Creek HMP would be only a small part of an overall recovery plan for this species, not implementing the plan would possibly be a contributing factor to an irretrievable loss.

IV. Public Interest and/or Controversy

The Roan Creek HMP has been developed cooperatively with the DOW and will be approved by both agencies for expenditure of Sikes Act funds.

Action proposed in the plan that are generally supported by the public and consistent with land use plans. The proposals most likely to cause local or individual opposition would be acquiring public access, extension of vehicle access and possibly land treatments in the wild horse area and exluding livestock from stream bottoms.

V. Recommendation of Preferred Actions

The proposed action implementing the Roan Creek HMP is preferred and will result in significant benefits. In order to minimize adverse impacts the following measures should be incorporated into the plans:

Mitigating measures (III A 2) a,b,c,e,g,h, ,k,l,m,n should be adopted.

Extension of vehicle access to land treatments in the wild horse area will be limited to those sites within ¼ mile of existing roads. On the Monument Rock pinon-juniper thinning and seeding project, vehicle access will not be allowed. This will require helicopter or foot access to the project area. Justification for the project will have to be re-assessed as the cost will be greatly increased under these restrictions.

When firewood or post sales cannot be incorporated onto thinning areas, wood products will be sold after a two year seeding establishment period and only during the summer and early fall.

Exception to this would be in situations where temporary roads are utilized for project work and then closed, or for projects in the wild horse area where continued vehicle access and disturbance to wild horses is to be avoided.

A supplimental or abbreviated EAR will be prepared for all actions to address site specific impacts.

IMPLEMENTATION SCHEDULE AND COST ESTIMATE

G. Implementation Schedule and Cost Estimates

Table 6 Program Package Imputs Schedule and Table 7 Program Package Cover Schedule list costs, implementation schedules and benefits with full funding.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PACKAGE IDENTIFICATION

C	O		
STATE		PY	

Package Name

Roan Creek HMP

Table 6 - PROGRAM PACKAGE INPUTS SCHEDULE

SUBACTIVITY AND POSITION IDENTIFICATION (1)	CURRENT YEAR FY 1976			BUDGET YEAR FY 1977			PROGRAM YEAR FY 1978			PROGRAM YEAR + 1 FY 1979			PROGRAM YEAR + 2 FY 1980			PROGRAM YEAR + 3 FY 1981			PROGRAM YEAR + 4 FY 1982		
	TOTAL COST (000's) (2)	POSITIONS (3)	2300 M/M (4)	TOTAL COST (000's) (5)	POSITIONS (6)	2300 M/M (7)	TOTAL COST (000's) (8)	POSITIONS (9)	2400 M/M (10)	TOTAL COST (000's) (11)	POSITIONS (12)	M/M (13)	TOTAL COST (000's) (14)	POSITIONS (15)	M/M (16)	TOTAL COST (000's) (17)	POSITIONS (18)	M/M (19)	TOTAL COST (000's) (20)	POSITIONS (21)	M/M (22)
1285-Wildlife	17.2	1	7	17.2	1	7	57.9	5	14	124.7	5	28	110.8	4	24	112.1	4	24	106.2	4	25
Existing Personnel		P	7		P	7		P	4		P-1	5		P-1	4		P-1	4		P-1	5
New Personnel								P-1	10		P-1	10		P-1	10		P-1	10		P-1	10
New Personnel								T-3	14		T-3	13		T-2	10		T-2	10		T-2	10
1280-Recreation							2.4	1	1	2.4	1	1	2.4	1	1	7.7	2	3			
Existing Personnel								P-1	1		P-1	1		P-1	1		P-1	1			
New Personnel																	T-1	2			
1220-Range Mgt.	9.2	1	4	21.2	1	9	43.2	2	18	38.4	2	16	38.4	2	16	38.4	2	16	38.4	2	16
Existing Personnnel		P	4		P	9		P	6		P	4		P	4		P	4		P	4
New Personnel								P-1	12		P-1	12		P-1	12		P-1	12		P-1	12
1260-Soil and Water Cons.							2.4	1	1	2.4	1	1	2.4	1	1	2.4	1	1	2.4	1	1
Existing Personnel								P-1	1		P-1	1		P-1	1		P-1	1		P-1	1
3100 - PLDRT							59.2	5	10	229.4	5	16	347.1	6	31	28.8	4	12	422.4	5	18
Existing Personnel								P-1	2		P-1	5		P-2	13					P-1	8
New Personnel								T-4	8		T-4	11		T-4	18		T-4	12		T-4	10
8100-Range Improvement																1.8					
Package Total	26.4			38.4			165.1			397.3			501.1			191.2			569.4		
Package Total Perm. Manpower		1	11		2	16		2	22		4	48		4	45		3	36		5	40
Package Total Temp. Manpower								7	22		7	24		6	28		7	24		6	20

(Instructions on reverse)

Form 1610-28 (October 1974)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Table 7 - **PROGRAM PACKAGE COVER SCHEDULE**

PACKAGE IDENTIFICATION	C	O		Priority	Package Life
	STATE		PY	1	5

Package Name Roan Creek HMP

Package Purpose Implement HMP

Program Area Roan Creek HMP

(1)		CURRENT YEAR FY 19 76 (2)	BUDGET YEAR FY 19 77 (3)	PROGRAM YEAR FY 19 78 (4)	PROGRAM YEAR + 1 FY 19 (5)	PROGRAM YEAR + 2 FY 19 (6)	PROGRAM YEAR + 3 FY 19 (7)	PROGRAM YEAR + 4 FY 19 (8)	TOTAL (9)	AVG. ANNUAL PROGRAM OPERATIONS FY 19 (10)
A. COST DATA		$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S
Total Costs (Form 1610-28)		26.4	38.4	165.1	397.3	501.1	191.2	568.4	1823.1	
Construction (Form 1610-28)		1	0	50.5	235.0	303.2	56.3	388.2	1033.2	
Construction Maintenance (Form 1610-28)		0	0					20.0	20.0	
Total Costs Less Construction and Maintenance		25.4	38.4	114.6	162.3	197.9	134.9	160.2	789.9	
WASHINGTON OFFICE USE ONLY										
B. MANPOWER DATA		MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS
Permanent										
Temporary										
C. OUTPUT AND WORKLOAD MEASURE DATA		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
Endangered Species	a			8,300	8,300				16,600	
	b									
Habitat Inventory(acres	c			8,300	8,300				16,600	
Increased Endangered	a					2	2	2	6	8
	b									
Species Population(Number	c					2	2	2	6	8
Aquatic Habitat Improved	a			1	4	6	5		16	
	b									
(Miles of Stream)	c			1	4	6	5		16	
Riparian Habitat	a			92	168	72	60	80	472	
	b									
Improved (Acres)	c			92	168	72	60	80	472	
Habitat Improved	a			690	450	17,430	2090	1450	22,110	
	b									
Acres	c			690	450	17,430	2090	1450	22,110	
User Days	a			1085	2350	1730	1156	2900	9221	13,810
(Hunting & Fishing)	b									
	c			1085	2350	1730	1156	2900	9221	13,810

(Instructions on reverse)

Form 1610-27 (October 1974)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Table 7 - **PROGRAM PACKAGE COVER SCHEDULE**

PACKAGE IDENTIFICATION	STATE: C O	FY:	Priority: 1	Package Life: 5

Package Name: Roan Creek HMP

Package Purpose:

Program Area:

(1)		CURRENT YEAR FY 19 (2)	BUDGET YEAR FY 19 (3)	PROGRAM YEAR FY 19 (4)	PROGRAM YEAR + 1 FY 19 (5)	PROGRAM YEAR + 2 FY 19 (6)	PROGRAM YEAR + 3 FY 19 (7)	PROGRAM YEAR + 4 FY 19 (8)	TOTAL (9)	AVG. ANNUAL PROGRAM OPERATIONS FY 19 (10)
A. COST DATA		$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S
Total Costs (Form 1610–28)										
Construction (Form 1610–28)										
Construction Maintenance (Form 1610–28)										
Total Costs Less Construction and Maintenance										
WASHINGTON OFFICE USE ONLY										
B. MANPOWER DATA		MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS
Permanent										
Temporary										
C. OUTPUT AND WORKLOAD MEASURE DATA		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
Increase in Employment	a			9	9	8	9	8	43	2
	b									
(No. of jobs created)	c			9	9	8	9	8	43	2
Appreciative Day Use	a			3010	4435	3435	2220	5880	18,980	
	b									
Non-Comsumptive (Number)	c			3010	4435	3435	2220	5880	18,980	25,000
Expand Terrestrial	a				4050	5000	5000		14,050	
	b									
Habitat (Acres)	c				4050	5000	5000		14,050	
Expand Aquatic	a						4		4	
	b									
Habitat (Miles of Stream)	c						4		4	
Public Access Provided	a			21,500	46,000	11,000		14,800	93,300	
	b									
(Acres)	c			21,500	46,000	11,000		14,800	93,300	
Hunting & Fishing Increase	a			66,100	124,600	63,000	6,520	55,600	315,820	315,820
	b									
(Expenditure Dollars)	c			66,100	124,600	63,000	6,520	55,600	315,820	315,820

(Instructions on reverse)

Form 1610–27 (October 1974)

PACKAGE IDENTIFICATION	STATE	FY	Priority	Package Life

Package Name

Package Purpose

Program Area

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

PROGRAM PACKAGE COVER SCHEDULE

(1)		CURRENT YEAR FY 19 (2)	BUDGET YEAR FY 19 (3)	PROGRAM YEAR FY 19 (4)	PROGRAM YEAR + 1 FY 19 (5)	PROGRAM YEAR + 2 FY 19 (6)	PROGRAM YEAR + 3 FY 19 (7)	PROGRAM YEAR + 4 FY 19 (8)	TOTAL (9)	AVG. ANNUAL PROGRAM OPERATIONS FY 19 (10)
A. COST DATA		$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S	$000'S
Total Costs (Form 1610–28)										
Construction (Form 1610–28)										
Construction Maintenance (Form 1610–28)										
Total Costs Less Construction and Maintenance										
WASHINGTON OFFICE USE ONLY										
B. MANPOWER DATA		MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTHS	MAN-MONTH
Permanent										
Temporary										
C. OUTPUT AND WORKLOAD MEASURE DATA		QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
Terrestrial Habitat	a			14000	30,000	46,000			90,000	
	b									
Inventoried	c			14000	30,000	46,000			90,000	
	a									
	b									
	c									
	a									
	b									
	c									
	a									
	b									
	c									
	a									
	b									
	c									
	a									
	b									
	c									

(Instructions on reverse)

Form 1610–27 (Octobe

MANAGEMENT EVALUATIONS
AND REVISION

H. Management Evaluation

The number of studies originally identified has been reduced to a more realistic level in relation to man-power and funding levels. Utilization and pellet group transect will be reduced to ten sites annually. The AMP integrated studies will eventually take the place of the current study transects as permanent study plots are established. Vegetative treatment projects will be evaluated by documenting vegetative changes and deer days of use on the areas.

A list of studies to be continued is presented in Table 8.

Table 8 Study Schedule

Type of Study	Method	Time	Schedule	Responsibility	WM	Cost	Results to be Obtained
Browse Utilization and Pellet Group. Transect Name, L. Tater Hills E. of Ranch Hobo Dam Long Pt. Bowdish Gulch Dry Fork L. Dry Fork Castle Rock Wagontrack Ridge Indian Park	Incorporate ten (10) existing extensive BLM-DOW transect locations into Integrated Studies for AMPs.	April	Annually	BLM-DOW	.2	-	Utilization by deer on winter range and relative animal use levels.
Mule Deer Spring Meadow Counts	Vehicle Route	April	Annually	DOW	.1	-	Population trend.
Sage Grouse Strutting Ground Courts	Fixed Wing Flights	April	Annually	DOW	.1	-	Population trend
Stream Improvement Evaluation	Photo Plots Fish shocking	Aug. Aug.	Annually 3rd & 5th yr.	BLM BLM	.2 .1		Portray stream physical profile. Fish biomass
Macro Invertebrate Sampling (Brush, Carr Roan Creek).	Surber Sampler	July-Oct.	2 years	BLM	1		Stream invertebrate populations.
Vegetative Manipulation Evalution. Tater Hills, E&W Spear, Bowdish Gulch, Castle Rock & Ashbury proj.	Permanent pellet Group Transect. Vegetative cover & composition.	June	1-5 years after treatment	BLM	.5	-	Vegetative trend and mule deer use.

11/82

Elk population trend counts for Roam Creek will be made by aerial survey during the winter in conjunction with counts for the Piceance Basin made by the DOW. Annual summer brood counts will be conducted by the DOW on sage grouse, blue grouse and chukar. Spring aerial counts of sage grouse strutting will monitor population trends.

Studies proposed are for evaluation of vegetative manipulation practices, stream improvements, species introduction and livestock grazing management. The harvest data and hunter recreation days of use will be taken from the DOW's annual Colorado Big Game Harvest GMU 31 for mule deer. Small game harvest and hunter recreation days of use will be interpolated from the DOW annual Small Game Harvest SGU 58.

Table 6: HMP Summary lists objectives, methods and evaluations and ties these three components of the plan together.

TABLE #9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
Md-1 (Mule deer) Maintain 248,000 acres as suitable habitat.	AMPs: Coordination--timber, mineral development, watershed, hunting regulations, lands and recreation.	Assure other resource uses and wildlife populations do not eliminate basic food, water, cover and living space for mule deer. Coverage in EAR, EISs and activity plans.	Integrated studies, browse utilization and pellet group transects.
Md-2 Improve forage on 3,605 acres.	Land Treatments--pinon-juniper thinning, seeding browse, forbs and grass.	Reducing PJ and seeding and planting palatable forage species will increase forage production on selected sites.	Photo Plots. Plant species composition on survival transects, pellet group transects.
Md-3 Increase winter population until 40% utilization on Artr occurs.	Land treatments, AMPs, hunting regulations, water developments.	On much of the winter range, forage is available to support additional animals. An average utilization of 40% on Artr can be sustained without reducing the available forage production. Improved water distribution on summer range will increase the deer population wintering south of South Shale Ridge.	Browse Utilization Transects (26)
Md-4 Improve forage production on 125,000 acres.	Coordinate with Allotment Management Plans.	By manipulation livestock grazing, the number and vigor of preferred mule deer forage plants will be improved and reduce use during seasons when competitive use is the greatest.	Integrated studies, photo plots

TABLE # 9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
Md-5 Provide 15,000 recreation hunter days.	Improve public vehicle and foot access. Signing NRL boundaries. All methods under Md-1 through Md-4.	Increasing the population and annual production will improve hunter success. Identifying and providing access to NRL will spread the hunting pressure more evenly over a larger area.	Colorado Big Game harvest. Field check of hunters.
Md-6 Improve water distribution on 25,000 acres.	Installation of big game guzzlers.	Improved water distribution on summer range in the Dry Fork drainage could improve fawn production and survival. It is likely deer summering in this area, winter south of South Shale Ridge, a primary area to increase wintering population.	Aerial winter counts in Main Canyon area, track counts around guzzlers, neck band 40 deer on winter range.
P-1 (Peregrine Falcon) Maintain 8,300 acres of nesting habitat	Coordination with other resource uses; mineral development watershed, lands, livestock and recreation through EARs, EISs, and activity plans.	Assure other resource uses do not disturb nesting falcon or suitable sites are maintained for possible reintroduction.	No evaluation unless nest sites are discovered or re-introduction takes place.
P-2 Maintain 9 miles of riparian habitat.	Stream fencing planting and seeding: coordination with other resource uses; lands livestock grazing, recreation through EARs, EISs, & activity plans.	Assure other resource uses don't destroy or reduce the prey species available in riparian types. Improved livestock management and habitat improvement projects will increase prey species.	Complete riparian habitat inventory every 5th year including permanent plant composition and density transects.
P-4 Transplant one pair of peregrine falcon.	Recovery plan for peregrine falcon.	BLM's cooperative funding of DOW's captive rearing program provides for one pair of falcons on NRL.	DOW-as outlined in P.R. Recovery Plan.

TABLE # 9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
P-3 Update inventory data.	Aerial flights during nesting season: record observation & reports, coordinate with DOW raptor biologist.	An intensive inventory over at least two nesting seasons along with ground observations will determine the presence of a breeding population. Potential re-introduction site will also be determined and evaluated.	None
SG-1 (Sage grouse) Maintain fall population of 5 birds/sq. mi.	Coordinate with other resource uses; lands, minerals, watershed, livestock grazing and recreation through EARs, EISs and activity plans.	Assure other activities do not destroy required food, water and cover or disrupt breeding activities.	DOW brood counts and strutting ground counts.
SG-2 Provide 100 hunter days and harvest 85 birds on 29,000 acres of NRL.	Improve legal public access, water developments and season regulations.	Hunter harvest was .83 birds/hunter for S.G.M.U. 58 in 1974. This ratio can be maintained and expanded to additional acreage not currently accessible to the public.	DOW annual small game harvest
SG-3 Improve wet meadow habitat	Livestock grazing AMPs.	Implement grazing systems which provide for rest and seedling establishment on livestock concentration areas.	Install photo trend studies on wet meadow types in conjunction with AMPs.
SG-4 Inventory 16,000 acres of sage grouse habitat.	A portion of area contracted to DOW in 1976.	Important brood areas need to be identified to improve food and cover for sage grouse broods to increase chick survival.	None

TABLE #9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
SG-5 Maintain or improve habitat to requirements in Manual 6601-3.	Inventories, livestock grazing (AMPs), water development and coordination of other activities through EARs, EISs, and activity plans.	Additional inventories will provide site specific data on condition of habitat. Food, water and cover will be maintained or improved to habitat requirements.	Overall habitat condition and trend will be based on population trend of sage grouse strutting ground and brood counts.
SG-6 Expand habitat on 4000 acres.	Transplant a minimum of 100 birds and develop additional water.	At least 100 birds are needed to establish a viable population on a new area. Additional water will hold the birds in the area through the summer.	Field observation for 5 years following transplants will determine success or failure. Establish route as to time of day and year to monitor population trend.
BG-1 (Blue Grouse) Maintain 68,000 acres as suitable habitat.	Coordinate timber, lands, minerals, grazing, watershed and recreation programs through EARs, EISs and activity plans.	Assure other activities do not eliminate essential food, water, cover and living space or cause excessive disturbance during the nesting season.	None
BG-2 Increase recreation hunter days to 600.	Livestock grazing, water development and access development.	Over 50% of habitat is not accessible to the public. Improved legal access will increase hunter use where virtually none presently occurs. Improve water distribution and livestock management will increase grouse populations.	Hunter days taken from Colorado small game harvest.
BG-3 Maintain Douglas Fir as winter roosts.	Coordinate with timber harvest plans, new roads or rights of way.	Stands of Douglas Fir located on ridge tops and the heads of draws are preferred winter roosts areas.	Examine timber sale, new roads and rights of way in the field.

TABLE # 9 HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
BG-4 Increase fall population to 6.0 birds per square mile.	Livestock grazing (AMPs), stream protection, seeding and planting, water development.	Improve food and nesting cover and reduce nest disturbance through manipulating livestock use. Increase food and cover along drainage bottoms by fencing seeding and planting.	DOW brood counts on established vehicle routes.
ML-1 (Mtn. Lion) Improve inventory data on lion habitat.	Wildlife observation reports, contact with guides and local residents. Study on lion-wild horse relationships.	Although an intensive inventory of the lion population in the whole unit is not justified, additional data on areas of use and relative numbers is needed to assure adequate consideration of lion habitat needs and harvest regulations.	None
ML-2 Maintain 83,000 acres in semi-remote state.	Coordination with other resource uses through EARs, EISs and activity plans. Seasonal and permanent road closures.	Assure needed access utilizes existing road whenever feasible. New roads needed only temporarily are physically closed when no longer needed. The area is closed to ORV use when regulations are adopted. All road access identified in this plan will include closure of unneeded side roads and seasonal closure when necessary.	None
ML-3 Study lion-wild horse relationships.	Contract a study to determine population characteristics and ranges of lion in wild horse area. Predator-prey relationships.	Contract DOW or other qualified organization to conduct study. Relationship of lion-wild horse is needed to determine factors affecting wild horse population.	None

TABLE # 9 HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
B-1 (Black Bear) Maintain 62,000 acres in relatively remote state.	Coordinate access needs of other resource uses through EARs, EISs and activity plans.	Existing road will be used whenever feasible. Permanent and seasonal road closures will be incorporated into all public access identified in this plan. Close area to ORV use when regulations are established.	None
D-1 (Ducks) Expand nesting habitat and increase production by 30 birds.	Construct and fence six reservoirs, each 1/2-acre in size.	The creation of new water bodies with adequate nesting and brood cover will increase waterfowl production from the area.	Field check the reservoirs for the presence of brood twice annually between June 1st and July 16th.
D-2 Improve nest and brood cover on three stock ponds.	Fence three reservoirs.	Fencing reservoirs will exclude livestock providing nesting and brood cover.	Same as D-1 above.
D-3 Maintain fence around two reservoirs.	Schedule for maintenance every 3 years.	Fencing has allowed the establishment of nesting and brood cover.	Same as D-1 above.
G-1 (Geese) Minimize nesting failure along on Colorado River.	Provide artificial nesting platforms.	Artificial platforms will reduce nest loss by flooding or ground preditors.	Check nest platforms for use and success during April and May each year.

TABLE #9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
G-2 Improve 10 acres of brood habitat	Burn several small patches totaling 20 acres adjacent to the river.	Most of the shoreline is dense shrubs or rocky providing little food. Since geese prefer open areas for grazing of young grass and forb shoots, burning to remove the brush and seeding low-growing grasses and forbs will increase forage for broods and adult geese nesting on the river.	Establish plots within the treated areas to measure changes in use by counting droppings.
G-3 Maintain islands, back water areas and riparian vegetation along Colorado River.	Coordination with other resource uses; lands, minerals, recreation, livestock grazing, and I-70 construction through EARs, EISs, and inter-agency meetings.	Islands are preferred nesting sites along with shoreline riparian vegetation. Back water areas provide calm water for feeding and loafing.	None
G-4 Increase breeding pairs from 7 to 12.	Nest structures, improved brood feeding area.	The population has been increasing since introduced in the 1960s. This will continue with additional nest sites and brooding areas being provided.	DOW will make brood counts by floating the river.

TABLE #9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
E-1 (Elk) Inventory 30,000 acres of elk habitat.	Field observations, habitat typing, evidence of elk use by habitat type, aerial flights during calving and winter.	A vast area of suitable habitat is available but certain areas appear to support most elk use. Field and aerial observation, along with habitat typing and amount of elk sign, will establish important and special use areas.	None
E-2 Maintain population below level where deer-elk competition becomes a problem.	Regulate population level through hunting regulations.	Harvest by sportsmen is the most realistic and cheapest method of controlling elk numbers.	Aerial winter surveys will determine if elk begin using deer winter range. Utilization and pellet group counts will be established on any area where elk are using deer winter range.
E-3 Maintain aspen and douglas fir types for cover.	Coordinate with other resource uses, livestock grazing, timber harvest, lands and minerals through EARs, EISs, and activity plans.	Assure the maintenance of adequate thermal and escape cover so large area does not become unsuitable to elk.	None
T-1 (Turkey) Expand turkey habitation to 10,000 acres.	Transplant turkey, establish winter feed stations and control predators in vicinity of feed station if predation is a problem.	Turkeys were transplanted in this area before and maintained their numbers for a number of years. Few, if any, remain in the area. Originally, transplanted turkeys relied on a cattle feed lot in winter which is no longer in use. Under deep snow conditions, turkey	Establish summer road transects and utilize Wildlife Observation Reports throughout the year.

TABLE #9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
		will be dependent on feed station in this area, as are many other populations in west central Colorado.	
C-1 (Chukar) Improve water distribution on 23,000 acres.	Construct 9 bird guzzlers.	Availability of water is poorly distributed over most chukar habitat and populations remain low. Additional water will expand suitable summer habitat.	Annual examination of guzzlers for evidence of use. Brood counts in vicinity of guzzlers (DOW).
NG-1 (Non-game) Maintain nesting and feeding trees for cavity nesting birds.	Coordination with timber and lands activities. Mark suitable trees to be left in firewood post and saw log sales. Retain all dead trees in P-J thinning projects.	Protecting suitable trees for cavity nester will assure the continuance of a variety of bird species on treated areas since the availability of suitable nest sites is often the limiting factor on population densities of cavity nesting species.	Examine wood product sale areas and P-J thinning before and after tree removal for the number of cavity nesting trees remaining.
NG-2 Protect snags.	Comply with MFP decisions on timber harvest. Coordinate with timber and lands activities.	At such time when proposals are made which could remove snags, provisions will be included to protect snags suitable for nesting or perching.	Examine tree removal areas before and after action for the number of snags on the area.
NG-3 Protect G.B. Heron Rookery	Acquire tract through exchange if feasible. Limit disturbance within one-fourth mile.	BLM has no authority on the tract until such time as it can be acquired. In order to minimize effects of I-70 on riparian and aquatic habitat on the Colo. River, the route selected may violate the ¼-mile area of no disturbance.	Monitor the number of active nests in the rookery each year. Record in Wildlife Observation Report.

TABLE # 9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
F-1 (Fish) Improve aquatic habitat for rainbow trout on 10 miles of Roan Creek.	Stream fencing, seeding and planting, stream structures, coordinate other resource uses through EARs, EISs and activity plans.	Aquatic habitat has been severely altered from past use and needs protection from livestock use to recover. Physical characteristic of the stream will be improved by placement of structures.	Read permanent aquatic and riparian plots. Aquatic riparian surveys 2 and 5 years following improvements. Illustration 1-3. Electro-shocking. Invertebrate sampling.
F-2 Improve riparian habitat on upper portions of Roan, Carr and Brush Creeks.	Stream fencing, seeding and planting. Coordinate livestock grazing, timber harvest, lands and mineral through EARs, EISs and activity plans.	Livestock grazing has eliminated much of the woody vegetation and ground cover. Excluding and manipulating livestock use along with planting and seeding will restore riparian vegetation.	Permanent riparian plots. Riparian inventory 2 and 5 years following improvements. Planting survival.
F-3 Improve 6 miles of aquatic habitat on Carr Creek for brook trout.	Same as F-1. Construct 3 within channel ponds and 5 gabion structures.	Same as F-1. Ponds will provide holding area on section of streams with inadequate summer flows to support trout populations. Gabion structure will reduce spring flow velocities and stabilize the stream channel.	Same as F-1.
F-4 Improve riparian & aquatic habitat on 5 miles of Brush Creek.	Stream fencing, seeding and planting. Coordinate livestock grazing.	Same as F-2.	Same as F-1.
F-5 Provide public fishing access to 3.25 miles on Roan Creek and 4 miles of Carr Creek	Easement acquisition for road or trail. Trail construction. Acquire fishing easement on 3/4 mile of private land.	Private lands currently block public access to portions of these streams on NRL. Easements and trail construction will provide adequate access.	None

TABLE # 9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
F-6 Maintain Roan Creek, Brush Creek and Carr Creek as cutthroat, brook and rainbow trout fisheries respectively.	Stocking will be restricted to these species for the respective stream.	A variety of trout species have been planted in all streams in the past. Since species have become dominant in each respective stream, it seems reasonable to assume they are best adapted to the individual characteristic of the respective streams they occur in.	Periodic population sampling by electro shocking will determine fish composition.
F-7 Determine feasibility of introducing Colo. cutthroat trout on east Brush Creek.	Aquatic and riparian surveys water quality and minimum flows will be measured to determine suitability of area to support salmonids.	The area is currently unsuitable for salmonids due to deteriorated aquatic and riparian habitat. After riparian and aquatic habitat objectives are met, the area will be evaluated for suitability. A fall will prevent upstream movement which would prevent hybridization of the threatened Colo. River cutthroat if a population were established.	None
F-8 Protect backwaters and sloughs along the Colorado River.	Coordination of other resource uses; lands, minerals, livestock grazing and recreation through EARs, EISs and activity plans. Compliance with Endangered Species Act.	Review and modification of other resource use proposals will provide for protection critical habitat for threatened or endangered species.	None

TABLE # 9. HMP SUMMARY

Objective-Method-Evaluation

Objective	Methods	Methods Rationale/Backup	Evaluation Procedures
WW-1 (Wildlife Water) Determine minimum flows on all live streams on NRL and file for water rights to maintain fish and wildlife habitat.	The sag tape method will be used on streams with fisheries values to determine minimum flows. On non-fishery streams filings will be based on minimum flows measured during July and August. Sag tape data will be provided to the DOW for their computer program and calculations of minimum flow requirements. The BLM-DOW will file under Senate Bill 97 for water rights.	The sag tape method is currently being used by the DOW for determination of minimum flows. The lack of historic data on headwater streams reduces the reliability of other methods such as the Montana. Under Senate Bill 97, water for fish and wildlife is a ligitimate use.	Stream flow meausrements will be taken in conjunction with aquatic surveys which will be taken 2 and 5 years following improvement identified in F-1, 2, 3 and 4.

PUBLIC AFFAIRS

I. Public Affairs

The following public affair program has been formulated for the Roan Creek Habitat Management plan.

Background

The Roan Creek drainage in NW Colorado is a vital area for wildlife planning and management to both the DOW and BLM. The importance is increased and hastened in time by energy development.

Concept and Goals

To develop an education and public awareness program that reaches specific and general publics.

To make aware, inform, involve and motivate understanding, criticism, support and dialogue that contributes toward a forum for citizen expression and education.

Target Groups

Wildlife conservation: sportsman organizations, professional organizations, environmental groups, youth groups.

Industry: Livestock, coal, gas, oil, guides and outfitters.

School systems: Elementary - universities.

Legislative: Members at congress, state legislative and civic leaders.

General Objectives

To create an awarness of the present situation in the Roan Creek Area, i.e.: data, interrelationships. Inform the public that the area is a Sikes Act Planning Area and how the Endangered Species Act affects the Area.

To gain an understanding of the impacts of resource development on wildlife and the goal of resource managers to mitigate the impacts with a resulting harmonious relationship between wildlife and resource development.

Techniques, Methods, Materials

Evaluations, workshops, slide programs, brochures, show-me trips, civic presentations, advisory board programs.

Sources-Resources

BLM Personnel (State, Washington, Service Center, District and Resource Area offices), Colorado Division of Wildlife.

Time Frame

Publish plan FY 78

Prepare and continually revise presentation and tours

July 1978 - 1983

Publications

20 - Publications of Entire Habitat Management Plan

5 - Annual Fact Sheets 100 copies each

CONCURRENCE AND
APPROVAL

J. Concurrance and Approval

1. Review and Modification

The Roan Creek HMP will periodically be reviewed to evaluate findings, objectives and methods. Based on the review, new inventory data and revisions of MFP's, the HMP will be updated and revised. Plan revisions will be dated on the lower left hand corner of the pages affected.

Once each year the BLM and DOW will meet in the spring to evaluate on-going programs and discuss revisions, studies and projects for the coming year.

2. Maps

The base map for the Roan Creek HMP is on file in the Grand Junction Resource Area Office along with overlays listed in Appendix 1.

3. Plan Approval

The Bureau of Land Management and Division of Wildlife are in agreement with the objectives of this plan and will pursue the objectives within their respective budgetary means.

L. MacBerta 6/15/77
Area Manager Date

Tom Cullen 6-27-77
District Manager Date

Regional Manager Date

2/23/78
State Director

Director DOW

MAPS AND APPENDIX

PERMANANT AQUATIC PLOT
FIELD SUMMARY

DISTRICT _____ STATE _____ PLANNING UNIT _____

USGS QUAD _____ ALLOTMENT _____

STREAM _____ DATE _____

	100'	200'	300'	
POOL QUALITY	1 2 3 4 5	1 2 3 4 5	1 2 3 4 5	
RIFFLE QUALITY	1 2 3 4	1 2 3 4	1 2 3 4	
POOL / RIFFLE				
STREAM CANOPY				
EXPOSED BANKS				
LIVESTOCK DAMAGE TO BANKS				

COMMENTS: _____

Illustration 1

HIPARIAN LINE TRANSECT

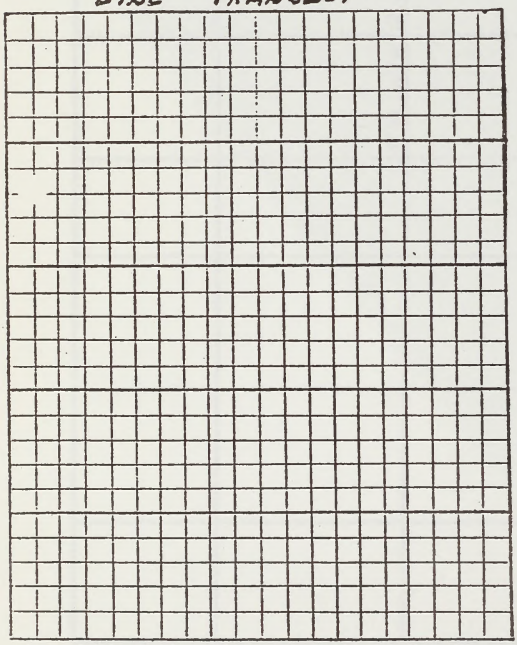
DISTRICT _____ STATE _____ PLANNING UNIT _____

RESOURCE AREA _____ U.S.G.S. QUAD _____

ALLOTMENT _____ STREAM _____ DATE _____

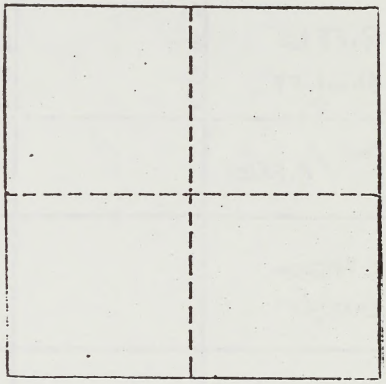
Species Symbol or Name					% Composition
1	6	11	16	21	% Grass
2	7	12	17	22	% Forbs
3	8	13	18	23	% Brush
4	9	14	19	24	% Trees
5	10	15	20	25	

LINE TRANSECT



0 — 5 FEET

LOCATION MAP



L - LITTER

B - BARE GROUND

R - LARGE ROCK

S - SMALL ROCK

PERMANANT AQUATIC AND RIPARIAN TREND PLOT

I. LOCATING PLOT:

a. A METAL POST OR OTHER PERMANANT MARKER should be USED FOR THE STARTING POINT AND should be IN THE 10-20 FOOT RIPARIAN ZONE.

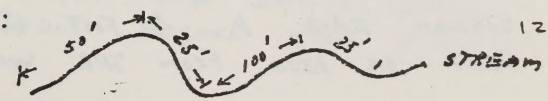
b. FILL OUT THE location DATA NEEDED in THE RIPARIAN PACE FORM WITH A COMPLETE MAP DESCRIPTION. (TOWN, RANGE, SECTION, STREAM, FENCES, ROADS ETC.)

c. TAKE TREND PHOTO FROM THE PERMANANT STAKE UP STREAM.

I. INSTRUCTIONS FOR FIELD FORMS

A. AQUATIC: THE plot will BE 300 FEET in LENGTH MEASURED IN 100' INCREMENTS. LOCATE THE STARTING POINT WITH A COMPASS BEARING OR AZIMUTH FROM THE STAKE. MEASURE FEET OF STREAM AND NOT STRAIGHT line DISTANCE.

EXAMPLE:



1. Pool Qualities:

Using the rating format from the Aquatic Field Form rate each pool in the 100' segment.

2. Riffle Qualities:

Rate each riffle segment using the Field Rating criteria. Enter the length of each riffle in the appropriate rating column.

Example: 1. 7 5 6
2.
3. 3 2 7
4.

There were 3 #1 riffles; one 7 feet, one 5 and one 6 feet long.

3. Pool to riffle ratio:

This can be calculated from the riffle length measurements.

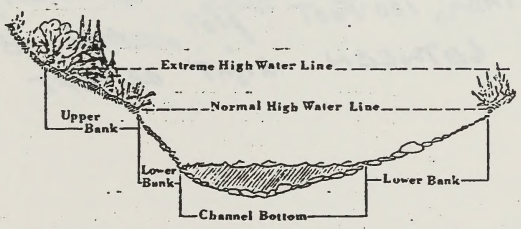
4. Stream Canopy:

The living streamside vegetation in close proximity to the stream. The vegetation must be twice as high as the distance to the stream edge. A 4 foot willow must be 2 feet or less from the waters edge to

be considered as canopy. Lateral limbs of large trees that extend over the stream are included in canopy even if the main stem of the tree is outside the acceptable distance.

Enter the actual footage of canopy per 100 feet by either total or separate canopy measurements.

5. Exposed Banks:



This is a rating of those banks that would normally be vegetatively covered. Annual forbs are not considered normal vegetation on the sites. Enter footage of each area with bare soil or extreme sub-standard vegetative cover. (linear measurement along the stream) Do not include lower banks which are those areas normally submerged during normal high water in the spring.

Rate the upper banks and enter each measurement without regard for right or left bank

6. Livestock Damage To Banks:

Enter footage of each occurrence of livestock damage (trampling) to the lower banks. Damage to upper banks will be cause for plot bare soil in bank section and will not be included here. Indicate distance for each area; 5'-6'-7 2', etc. in the 100 foot plot and do not differentiate between right or left banks.

3. Riparian

A 100 point pace transect will be run through each of the riparian zones; 0-5 feet, 5-10, and 10-20. The standard pace format will be used with the addition of a fifth canopy. If a zone is excluded indicate on the grid with an explanation.

Canopies

1. Ground cover
2. Grass, forb, etc.
3. Shrub up to eye level
4. Shrubs above eye level
5. Tree

START THE TRANSECT AS INDICATED ON THE ATTACHED INSTRUCTIONS. THE TRANSECT WILL BE RUN UP STREAM FOR 50 HITS AND THE REMAINING 50 HITS BEING READ BACK DOWN STREAM ON THE OPPOSITE SIDE OF THE STREAM. START EACH ZONE ON THE SIDE WITH THE METAL POST. IF THE STREAM MEANDERS READ THE TRANSECT IN THE SAME ZONE AS IT MEANDERS WITH THE STREAM.

Illustration 2

Riparian Habitat Inventory

(1) Write-up No. _____

(2) Examiner _____ (3) Date _____

(4) P.U. _____ (5) Stream-Res. _____

(6) Mean width Riparian Community _____

(7) Veg. Type _____ (8) Condition _____

(9) % Canopy Cover _____ 0-5' from water _____

(10) Avg. Height _____ 5-10' from water _____

10-20' from water _____

(11) Understory Veg. _____

(12) % Bank Cover (Veg.) _____ (13) % bare ground _____

(14) Condition (understory) _____

(15) Aquatic Veg. _____

(16) % of water area with veg. _____

(17) Condition _____

(18) Habitat Disturbance _____

_____

_____

(19) Wildlife Use _____

_____

_____

(20) Habitat Improvement Opport. _____

_____

_____

_____

_____

INSTRUCTIONS

RIPARIAN HABITAT INVENTORY

GENERAL INSTRUCTIONS

On field maps outline riparian types by the dominant vegetative species. (Types should generally be at least 5 acres or a quarter mile long). Identify improvements, springs and critical habitat (nests, beaver dams, elk wallows, etc.) on maps.

SPECIFIC INSTRUCTIONS

(1) Write-up number. Use first two letters of last name and number from 1. (Example Py-1, Py-2)

(2) Examiner. Last name only.

(3) Date.

(4) BLM planning unit.

(5) Name of Stream, Reservoir, etc.

(6) Give average width of riparian zone.

(7) Identify dominant vegetative species.

(8) Vegetative Condition (overstory)

Good. Vigorous stand of mature or all age trees or shrubs. Adequate reproduction to maintain stand.

Fair. Some signs of decadence or disturbance. Site not fully occupied.

Poor. Large amount of decadence or heavy disturbance. Site not fully occupied and little evidence of reproduction.

(9) Percent of tree cover in riparian.

(10) Average Height of trees in riparian zones.

(11) List major understory species.

(12) % of banks covered with vegetation (under three feet in height).

(13) % of banks with soil exposed.

(14) Condition (Understory).

Good. Dense cover of grasses, forbs or shrubs. Few raw stream banks, little evidence of destructive disturbance.

Fair. Mostly perennial vegetation with some annuals. Very little bare ground, disturbance not destructive to vegetation.

Poor. Evidence of severe disturbance. Few perennial species and considerable bare ground.

(15) List major submerged or emergent vegetative species.

(16) Percent of water area with vegetative growth.

(17) Condition.

Good. Heavy vigorous growth occupying all suitable sites.

Fair. Variety of aquatic plants present. Most of suitable area occupied with only moderate disturbance.

Poor. Very little aquatic vegetation. Suitable sites unoccupied. May be obvious source of disturbance.

(18) Habitat Disturbance: Identify activities detrimental to vegetation or stream channel. (Example livestock, tree cutting, mining, flooding, beaver activity, etc.)

(19) Record species or evidence of species observed.

(20) Identify habitat improvement opportunities such as fencing, planting, seeding, reservoir construction.

Illustration 3

AQUATIC HABITAT EXTENSIVE SURVEY

STREAM _____ LOCATION _____

DATE _____ TIME _____ PARTY _____

STATION _____ LOCATION _____

AIR TEMP _____ WATER TEMP _____ WEATHER _____

TURBIDITY: CLEAR ___ MILKY ___ MURKY ___ MUDDY ___

WIDTH _____ DEPTH: L ___ M ___ R ___ GRADIENT _____

DISCHARGE: _____ VELOCITY _____

		T_1	T_2	T_3		INVERTEBRATES
Pool Quality	1					SURBER:
	2					
	3					
	4					
	5					
BOTTOM COMP.	BOULD.					ESTIMATED:
	RUBBLE					
	C.GRA.					
	F.GRA.					
	SAND					
	SILT					PHYSICAL DAMAGE:
	SHALE					
	B.ROC					
BANK CLASS	LT.					
	RT					
BANK COVER	LT.					BARRIERS
	RT.					
BANK STABILITY	LT.					DIVERSIONS:
	RT					
RIFFLE QUALITY	1					FISH:
	2					
	3					
	4					

COMMENTS:
1. Add POOL/RIFFLE RATIO PER TRANSECT
2. Add % STREAM CANOPY PER TRANSECT

INSTRUCTIONS FOR EXTENSIVE FIELD FORM

STREAM LOCATION: USE ¼ SECTIONS - SECTION - TOWN-RANGE
TEMPERATURES: TAKEN IN SHADE.
TURBIDITY:
CLEAR -
MILKY - NATURAL COLOR OR VERY LIGHT SILTATION
MURKY - USUALLY ATTRIBUTED TO SILTATION.
MUDDY - DEFINITE SILTATION.
WIDTH: MEASURED OR ESTIMATED. IF TRANSECT AREA HAS A LOT OF VARIATION ESTIMATE AVERAGE.
DEPTH: MEASURE AND ESITMATE FOR TRANSECT AREA.
DISCHARGE: ESTIMATE C.F.S. AND TYPE OF RUN OFF. STABLE - SOME SCOURING - EXTREME VARIATION BETWEEN NORMAL FLOWS AND SPRING DISCHARGE, ETC.
VELOCITY: TIME FLOATING ITEM.

BOTTOM COMPOSITION
BOULDER - ROCKS OVER 12"
RUBBLE - ROCKS 3" - 11"
COARSE GRAVEL - 1" - 3"
FINE GRAVEL - .1" - 1"
SAND
SILT
SHALE - SMALL FLAT CHUNKS
BED ROCK - LARGE SLABS OF SHALE WOULD COME IN HERE ALSO.
(ESTIMATE % COMPOSITION)

COMMENTS.
SPRINGS: POLLUTION
SPAWNING: BEAVER
CAMERA POINTS
OPINION:

BANK CLASS
ROCK - GRAVEL - SAND - SOIL
GRASS - SHRUB - TREE
(ABOVE HIGH WATER LINE)

BANK COVER.
SUBJECTIVE RATING OF THE QUALITY OF BANK COVER IN RELATION TO TROUT HABITAT REQUIREMENT.
GOOD - FAIR - POOR

BANK STABILITY
STABLE - NO SOIL SLOUGHING
UNSTABLE - EVIDENCE OF SOIL SLOUGHING IN THE PAST YEAR.

RIFFLES

1 - BOULDERS-RUBBLE-COARSE GRAVEL. INTERSPACES ARE WELL WASHED AND FREE OF SILT. GOOD WATER DEPTHS ALLOWING FREEDOM OF MOVEMENT IN RIFFLES AND BETWEEN POOLS.

2 - BOULDERS-RUBBLE-COARSE GRAVEL. INTERSPACES ARE CLEAN. WATER DEPTHS RESTRICTING USE OF RIFFLES, HOWEVER MOVEMENT BETWEEN POOLS IS POSSIBLE.

3 - COARSE GRAVELS - SAND. WELL WASHED WITH LITTLE OR NO SILTATION. WATER DEPTHS STILL ALLOW MOVEMENT BETWEEN POOLS.

4 - SAND - SILT - FINE GRAVEL. SHALLOW WATER DEPTHS INHIBITING FISH MOVEMENT.

Pool			
Quality class no.	Length or Width	Depth	Shelter[1]
1	Greater than a.c.w.[2]	2′ or deeper	Abundant[3]
	Greater than a.c.w.	3′ or deeper	Exposed[4]
2	Greater than a.c.w.	2′ or deeper	Exposed
	Greater than a.c.w.	<2′	Intermediate[5]
	Greater than a.c.w.	<2′	Abundant
3	Equal to a.c.w.	<2′	Intermediate
	Equal to a.c.w.	<2′	Abundant
4	Equal to a.c.w.	Shallow[6]	Exposed
	Less than a.c.w.	Shallow	Abundant
	Less than a.c.w.	Shallow	Intermediate
	Less than a.c.w.	<2′	Intermediate
	Less than a.c.w.	2′ or deeper	Abundant
5	Less than a.c.w.	Shallow	Exposed

[1] *Logs, stumps, boulders, and vegetation in or overhanging pool, or overhanging banks.*
[2] *Average channel width.*
[3] *More than ⅓ perimeter of pool has cover.*
[4] *Less than ¼ of pool perimeter has cover.*
[5] *⅓ to ½ perimeter of pool has cover.*
[6] *Approximately equal to average stream depth.*

APPENDIX 1

OVERLAYS DEPICTING THE EXISTING WILDLIFE HABITAT AND OTHER LAND USES IN ROAN CREEK

Overlay #1	Big Game Habitat, Mule Deer & Elk
Overlay #2	Big Game and Fur-Bearer Habitat
Overlay #3	Upland Game Habitat
Overlay #4	Raptor Habitat
Overlay #5	Waterfowl Habitat
Overlay #6	Habitat Types
Overlay #7	Land Treatments & Water Resources
Overlay #8	Livestock Management
Overlay #9	Roads
Overlay #10	Hunter Access and Use Areas
Overlay #11	Oil Shale
Overlay #12	Wildlife Studies
Overlay #15	Fisheries

APPENDIX #7

APPENDIX 2

SPECIES LIST

Big game mammals 1/

Black bear (Ursus americanus) Common.
Elk (Cervus canadensis) Common.
Mountain lion (Felis concolor) Common.
Mule deer (Odocoileus hemionus) Common.

Small game mammals 1/

Cottontail rabbit (Sylvilagus audubonii Common; S. nuttallii) Uncommon.
Pine (red) squirrel (Tamiasciurus hudsonicus) Common.
Snowshoe hare (Lepus americanus) Common.

Small game birds 2/

Migratory waterfowl and shorebirds

Great Basin Canada goose (Branta canadensis moffitti) Common yearlong resident.
Black brant (Branta nigricans) 3/ Possible rare migrant.
White-fronted goose (Branta albifrons frontalis) 3/ Possible uncommon migrant.
Snow goose (Chen caerulescens caerulescens) 3/, 4/, Possible rare migrant.
Mallard (Anas platyrhynchos platyrhynchos) Common resident.
Gadwall (Anas strepera) Common spring and fall migrant.

1/ Nomenclature according to Lechleitner, R. R. 1969. Wild mammals of Colorado. Pruett Publishing Co., Boulder. 254 pp.

2/ Nomenclature from Bailey, A. M., and R. J. Niedrach. 1967. Pictorial check-list of Colorado birds. Denver Mus. Nat. Hist. 168 pp. Information on occurrence and status adapted from the above reference and Cringan, A. T., and L. Carlson. 1973. Wildlife in the Piceance Creek Basin, In: An environmental reconnaissance of the Piceance Basin, Rio Blanco and Garfield counties, Colorado. A report on the completion of Part 1, Phase One of the environmental inventory, analysis and impact study portion of the Regional Oil Shale Study being done for the State of Colorado by the Thorne Ecological Institute, Boulder, Colorado, 144 pp. Additional information on occurrence, in employing the term "possible", is adapted from the foregoing references and Davis, W. A. 1969. Birds in western Colorado. Colo. Field Ornithologists. 61 pp. Where adjective "possible" is absent, actual sightings have been reported verbally by any one or more Division personnel Glenn E. Rogers, Claude E. White, George E. Steele, Kenneth C. Dillinger, or qualified by additional footnotes that follow.

Small game birds (continued)

Pintail (Anas acuta) Common spring and fall migrant.
American green-winged teal (Anas crecca carolinensis) Common migrant and uncommon yearlong resident 4/.
Blue-winged teal (Anas discors discors) Common migrant.
Cinnamon teal (Anas cyanoptera septentrionalium) Common migrant.
American wigeon (Anas americana) 4/ Common migrant and rare winter resident.
Northern shoveler (Anas clypeata) 4/ Common migrant and uncommon summer resident.
Wood duck (Aix sponsa) 3/ Possible rare migrant.
Redhead (Aythya americana) Common migrant.
Ring-necked duck (Aythya collaris) Common migrant.
Canvasback (Aythya valisineria) Uncommon to rare migrant.
Greater scaup (Aythya marila nearctica) 3/ Rare migrant.
Lesser scaup (Aythya affinis) Common migrant.
Common goldeneye (Bucephala clangula americana) Common migrant and winter resident.
Barrow's goldeneye (Bucephala islandica) 3/ Rare winter visitor.
Bufflehead (Bucephala albeola) Uncommon spring and fall migrant and rare winter resident.
Ruddy duck (Oxyura jamaicensis rubida) Common migrant and occasional summer resident.
Hooded merganser (Lophodytes cucullatus) Rare winter visitor on river.
Common merganser (Mergus merganser americanus) Common winter resident.
Red-breasted merganser (Mergus serrator serrator) Uncommon winter resident.
American coot (Fulica americana americana) Common migrant and occasional summer resident.
Common Wilson's snipe (Capella gallinago delicata) Common migrant and rare winter resident.
Sandhill crane (Grus canadensis canadensis) Possible regular migrant.
Virginia rail (Rallus limicola limicola) Possible uncommon summer migrant.
Sora (Porzana carolina) Possible uncommon summer resident.

Upland game birds

Blue grouse (Dandragapus obscurus obscurus) Common.
Sage grouse (Centrocercus urophasianus urophasianus) Uncommon to common.
Ring-necked pheasant (Phasianus colchicus) Uncommon.
Chukar (Alectoris chukar) 4/ Common.
Band-tailed pigeon (Columba fasciata fasciata) Uncommon summer migrant.
Mourning dove (Zenaida macroura marginella) 4/ Common summer resident.
Gambel's quail (Lophortyx gambelii sanus) Uncommon.
Wild turkey (Meleagris gallopavo merriami) Uncommon.
White-winged dove (Zenaida macroura marginella) 4/ Possible rare migrant.

3/ Unverified in hunters' bag checks but legal game 1971-72.

4/ Changes in nomenclature follow the thirty-second supplement to the American Ornithologists Union check-list of North American birds published in Auk 90:411-419, April, 1973.

W. T. McKean and P. H. Neil

OTHER MAMMALIAN SPECIES 1/ - WILDLIFE MANAGEMENT UNIT 31

Furbearers 2/

Short-haired

Beaver (Castor canadensis) Common.
Mink (Mustela vison) Uncertain.
Muskrat (Ondatra zibethicus) Common.
Ringtail (Bassariscus astutus) Common.
Weasels (Mustela erminea; M. frenata) M. erminea Uncertain; M. frenata Common.

Long-haired

Gray fox (Urocyon cinereoargenteus) Common.
American badger (Taxidea taxus) Common to uncommon.
Spotted skunk (Spilogale putorius) Uncommon.
Striped skunk (Mephitis mephitis) Common.

"Varmint" mammals

Coyote (Canis latrans) Common.
Red fox (Vulpes fulva) Uncommon.
Raccoon (Procyon lotor) Common.
Porcupine (Erethizon dorsatum) Common.
Bobcat (wildcat) (Lynx rufus) Common.
White-tailed jack rabbit (Lepus townsendii) Common.
Black-tailed jack rabbit (Lepus californicus) Uncommon.
Yellow-bellied marmot (Marmota flaviventris) Common.
White-tailed prairie dog (Cynomys leucurus) Uncommon to common.
Richardson's ground squirrel (Spermophilus richardsonii) Common.
Thirteen-lined ground squirrel (Spermophilus tridecemlineatus) Common.
Rock squirrel (Spermophilus variegatus) Common.
Northern pocket gopher (Thomomys talpoides) Common.

1/ These species, grouped separately as "Furbearers", "Varmints", and "Nongame mammals" and outside of "game" categories, follow Chapter 62, Colo. Rev. Statutes 1963 As Amended, in Colo. Game, Fish and Parks Div. Laws and Regulations Hdbk., 1973 (Art. 1, Items 13, 17 and 18, Definitions, p. 3).

2/ Nomenclature from Lechleitner, R. R. 1969. Wild mammals of Colorado. Pruett Publishing Co., Boulder. 254 pp. Information on occurrence and status from the above reference and: Cringan, A. T., and L. Carlson. 1973. Wildlife in the Piceance Creek Basin, In: an environmental reconnaissance of the Piceance Basin, Rio Blanco and Garfield counties, Colorado. A report on the completion of Part 1, Phase One of the environmental inventory, analysis and impact study portion of the Regional Oil Shale Study being done for the State of Colorado by the Thorne Ecological Institute, Boulder, Colorado, 144 pp. Also, Armstrong, D. M. 1972, Distribution of mammals in Colorado. Monograph of the Museum of Natural History, the Univ. of Kansas, Number 3, 1972. 415 pp.

Nongame mammals

Golden-mantled ground squirrel (Spermophilus lateralis) Common.
White-tailed antelope squirrel (Ammospermophilus leucurus) Uncommon.
Least chipmunk (Eutamias minimus) Common.
Colorado chipmunk (Eutamias quadrivittatus) Common.
Uinta chipmunk (Eutamias umbrinus) Uncommon to uncertain.

Water shrew (Sorex palustris) Common.
Vagrant shrew (Sorex vagrans) Common.
Merriams shrew (Sorex merriami) 3/ Rare.
Masked shrew (Sorex cinereus) Common.

Townsend's big-eared bat (Plecotus townsendii) Common.
Pallid bat (Antrozous pallidus) 3/ Rare.
Spotted bat (Euderma maculatum) 3/ Uncertain - rare.
Silver-haired bat (Lasionycteris noctivagans) Common.
Hoary bat (Lasiurus cinereus) Uncommon - common.
Big grown bat (Eptesicus fuscus) Common.
Western pipistrelle (Pipistrellus hesperus) Common.
Long-legged myotis (Myotis volans) Uncommon.
California myotis (Myotis californicus) Common.
Small-footed myotis (Myotis leibii) Common.
Fringed myotis (Myotis thysanodes) 3/ Uncertain - rare.
Long-eared myotis (Myotis evotis) Uncertain.
Little brown myotis (Myotis lucifugus) Uncertain.
Brazilian free-tailed bat (Tadarida braziliensis) 3/ Uncertain - rare.

Ord's kangaroo rat (Dipodomys ordii) Uncommon.
Apache pocket mouse (Perognathus apache) Uncommon.

Western harvest mouse (Reithrodontomys megalotis) Common.
Canyon mouse (Peromyscus crinitus) Common.
Deer mouse (Peromyscus maniculatus) Common.
Pinon mouse (Peromyscus truei) Common.
Northern grasshopper mouse (Onychomys leucogaster) Uncommon - common.
Desert wood rat (Neotoma lepida) Common.
Bushy-tailed wood rat (Neotoma cinerea) Common.

Gapper's red-backed vole (Clethrionomys gapperi) Common.
Meadow vole (Microtus pennsylvanicus) Uncommon.
Montane vole (Microtus montanus) Uncertain.
Long-tailed vole (Microtus longicaudus) Common.
Sagebrush vole (Lagurus curtatus) Uncertain.

House mouse (Mus musculus) Uncommon.
Western jumping mouse (Zapus princeps) Common.

3/ Occurrence listed by the [illegible]

OTHER AVIAN SPECIES 1/ - WILDLIFE MANAGEMENT UNIT 31

"Varmint" birds

Black-billed magpie (Pica pica hudsonia) Common resident 4/, 5/, 6/.
Starling (Sturnus vulgaris vulgaris) Common resident 5/, 6/.

Nongame birds 2/

Common loon (Gavia immer) Possible rare migrant.
Horned grebe (Podiceps auritus cornutus) Common migrant.
Eared grebe (Podiceps nigricollis californicus) Possible common migrant 3/.
Western grebe (Aechmophorus occidentalis) Common migrant.
Pied-billed grebe (Podilymbus podiceps podiceps) Common migrant and summer resident.
Double-crested cormorant (Phalacrocorax auritus auritus) Possible rare migrant.
Great blue heron (Ardea herodias treganzai) Common summer resident 5/, 6/.
Snowy egret (Egretta thula brewsteri) Possible uncommon summer resident 3/.
Black-crowned night heron (Nycticorax nycticorax hoactli) Possible common summer resident.
Least bittern (Ixobrychus exilis exilis) Possible rare summer migrant.
American bittern (Botaurus lentiginosus) Possible rare summer migrant.
White-faced ibis (Plegadis chihi) Possible rare migrant.
Whistling swan (Olor columbianus) Possible uncommon migrant.
Semipalmated plover (Charadrius semipalmatus) Possible rare migrant.
Killdeer (Charadius vociferus vociferus) Common summer resident 5/, 6/ rare winter resident.

1/ These species, grouped separately as "Varmint" birds, "Nongame birds" and "Raptores" and outside of "game" categories, follow Chapter 62, Colo. Rev. Statutes 1962 As Amended, in Colo. Game, Fish and Parks Div. Laws and Regulations Hdbk., 1973. (Art. 1, items 13, 18 and 15, Definitions, p. 327).

2/ Nomenclature from Bailey, A. M., and R. J. Niedrach. 1967. Pictorial checklist of Colorado birds. Denver Mus. Nat. Hist. 168 pp. Information on occurrence and status adapted from the above reference and Cringan, A. T., and L. Carlson. 1973. Wildlife in the Piceance Creek Basin, In: An environmental reconnaissance of the Piceance Basin, Rio Blanco and Garfield counties, Colorado. A report on the completion of Part 1, Phase One of the environmental inventory, analysis and impact study portion of the Regional Oil Shale Study being done for the State of Colorado by the Thorne Exological Institute, Boulder, Colorado, 144 pp. Additional information on occurrence, in employing the term "possible", is adapted from the foregoing references and Davis, W. A. 1969. Birds in western Colorado. Colo. Field Ornithologists. 61 pp. Where adjective "possible" is absent, actual sightings have been reported verbally by any one or more Division personnel Glenn E. Rogers, Claude E. White, George E. Steele, Kenneth C. Dillinger, or qualified by additional footnotes that follow.

Nongame birds (continued)

Mountain plover (Charadrius montanus) Possible rare migrant 3/.
Black-bellied plover (Pluvialis squatarola) Possible uncommon migrant 3/.
Long-billed curlew (Numenius americanus americanus) Possible rare migrant.
Spotted sandpiper (Arctitis macularia) Uncommon summer resident.
Solitary sandpiper (Tringa solitaria cinnamomea) Possible common migrant and occasional summer resident.
Willet (Catoptrophorus semipalmatus inornatus) Uncommon resident.
Greater yellowlegs (Tringa melanoleuca) Possible common migrant 3/.
Lesser yellowlegs (Tringa flavipes) Possible uncommon migrant 3/.
Red knot (Calidris canutus rufa) Possible rare migrant.
Pectoral sandpiper (Calidris melanotos) Possible rare migrant 3/.
Baird's sandpiper (Calidris bairdii) Possible common migrant 3/.
Least sandpiper (Calidris minutilla) Possible common migrant 3/.
Long-billed dowitcher (Limnodromus scolopaceus) Uncommon migrant.
Stilt sandpiper (Micropalma himantopus) Possible rare migrant.
Semipalmated sandpiper (Calidris pusilla) Possible rare migrant 3/.
Western sandpiper (Calidris mauri) Possible uncommon migrant 3/.
Marbled godwit (Limosa fedoa) Possible rare spring migrant.
Sanderling (Calidris alba) Possible rare migrant 3/.
American avocet (Recurvirostra americana) Rare migrant and resident.
Black-necked stilt (Himantopus mexicanus) Possible rare migrant.
Wilson's phalarope (Steganopus tricolor) Possible common migrant and uncommon summer resident.
Northern phalarope (Lobipes lobatus) Possible uncommon migrant.
Pomarine jaeger (Stercorarius pomarinus) Possible rare migrant.
Herring gull (Larus argentatus smithsonianus) Possible uncommon migrant.
California gull (Larus californicus) Possible rare migrant.
Ring-billed gull (Larus delawarensis) Possible uncommon migrant.
Franklin's gull (Larus pipixcan) Possible uncommon migrant.
Bonaparte's gull (Larus philadelphia) Possible rare migrant.
Sabine's gull (Xema sabini sabini) Possible rare migrant.
Forster's tern (Sterna forsteri) Possible rare migrant.
Common tern (Sterna hirundo hirundo) Possible rare migrant.
Least tern (Sterna albafrons athalassos) Possible rare migrant.
Black tern (Chlidonias niger surinamensis) Possible rare migrant.
Rock dove (Columba livia) Common resident.
Yellow-billed cuckoo (Coccyzus americanus americanus) Possible uncommon summer resident.
Poor-will (Phalaenoptilus nuttallii nuttallii) Common summer resident 4/, 5/.

3/
Changes in nomenclature follow the Thirty-second Supplement to the American Ornithologists Union Checklist of North American Birds published in Auk 90(2): 411-419. April, 1973.

Nongame birds (continued)

Common nighthawk (Chordeiles minor hesperis; C. m. howelli) Common summer resident 5/.
White-throated swift (Aeronautes saxatalis sclateri) Common summer resident 5/, 6/.
Black-chinned hummingbird (Archilochus alexandri) Common summer resident 6/.
Broad-tailed hummingbird (Selasphorus platycercus platycercus) Common summer resident 4/, 5/, 6/.
Rufous hummingbird (Selasphorus rufus) Common late summer migrant 6/.
Calliope hummingbird (Stellula calliope) Possible rare migrant and summer resident.
Rivoli's hummingbird (Eugenes fulgens aureoviridis) Possible rare summer visitor.
Belted kingfisher (Megaceryle alcyon alcyon) Common resident.
Common flicker (Colaptes auratus collaris) Common resident 3/, 4/, 5/, 6/, (C. a. luteus) Possible rare migrant 3/.
Lewis' woodpecker (Asyndesmus lewis) Common summer and winter resident 6/.
Yellow-bellied sapsucker (Sphyrapicus varius nuchaliae) Common summer 4/, 5/, 6/ and possible occasional winter resident.
Williamson's sapsucker (Sphyrapicus thyroideus nataliae) Possible common summer resident.
Hairy woodpecker (Dendrocopos villosus monticola) Common resident 6/.
Downy woodpecker (Dendrocopos pubescens leucurus) Common resident 4/, 5/, 6/.
Northern three-toed woodpecker (Picoides tridactylus dorsalis) Possible rare migrant.
Eastern kingbird (Tyrannus tyrannus) Uncommon summer resident 6/.
Western kingbird (Tyrannus verticalis) Common summer resident 6/.
Cassin's kingbird (Tyrannus vociferans vociferans) Possible uncommon summer resident.
Ash-throated flycatcher (Myiarchus cinerascens cinerascens) Common summer resident 6/.
Say's phoebe (Sayornis saya saya) Common summer 6/ and possible rare winter resident.
Willow flycatcher (Empidonax traillii) Common summer resident 6/.
Hammond's flycatcher (Empidonax hammondii) Possible migrant and uncommon summer resident.
Dusky flycatcher (Empidonax oberholseri) Summer resident 6/.
Gray flycatcher (Empidonax wrightii) Possible summer resident.
Western flycatcher (Empidonax difficilis hellmayri) Common summer resident 6/.

4/ Sight record given in unpublished checklist of birds of Naval Oil Shale Reserve, 1969-70, by L. M. Stevens, (Specific for Wildlife Management Unit 32).

5/ Sight record taken from Cringan, A. T. 1973. Annotated list of birds known to occur in northwestern Colorado. 17 pp. In: The Colony environmental study, Parachute Creek, Garfield County, Colorado. Prepared by Thorne Ecological Institute, Boulder, Colorado. August, 1973. Chapt. VII. Part II. Vol. 2, pp. 17-33, (Specific for Wildlife Management Unit 32).

6/ Sight record taken from Smith, A. G. 1973. Avian environmental inventory and impact study for Colony Development Operation in Garfield County, Colorado. Part I. Environmental inventory by Thorne Ecological Institute for Colony Development Operation, Atlantic-Richfield Company, Operator, October, 1973. (processed), (Specific for Wildlife Management Unit 32).

Nongame birds (continued)

Western wood peewee (Contopus sordidulus veliei) Common summer resident 4/.
Olive-sided flycatcher (Nuttallornis borealis) Common summer resident 6/.
Horned lark (Eremophila alpestris leucolaema) Common resident 4/, 5/.
Violet-green swallow (Trachycineta thalassina lepida) Common summer resident 4/, 5/, 6/.
Tree swallow (Iridoprocne bicolor) Common migrant and summer resident 5/, 6/.
Bank swallow (Riparia riparia riparia) Possible uncommon migrant and summer resident.
Rough-winged swallow (Stelgidopteryx ruficollis serripennis) Uncommon migrant and summer resident 6/.
Barn swallow (Hirundo rustica erythrogaster) Common summer resident 5/, 6/.
Cliff swallow (Petrochelidon pyrrhonota pyrrhonota) Common summer resident 4/, 5/.
Purple martin (Progne subis subis) Possible rare summer migrant.
Gray jay (Perisoreus canadensis capitalis) Uncommon resident 5/, 6/.
Steller's jay (Cyanocitta stelleri macrolopha) Common resident 4/, 5/, 6/.
Scrub jay (Aphelocoma coerulescens woodhousei) Common resident 4/, 5/, 6/.
Common raven (Corvus corax sinuatus) Common resident 4/, 5/, 6/.
Common crow (Corvus brachyrhynchos brachyrhynchos) Possible uncommon resident.
Pinon jay (Gymnorhinus cyanocephalus) Common summer 3/, 5/, 6/ and winter resident 7/.
Clark's nutcracker (Nucifraga columbiana) Common resident 4/, 5/, 6/.
Black-capped chickadee (Parus articapillus garrinus) Common resident 4/, 5/, 6/.
Mountain chickadee (Parus gambeli gambeli) Common resident 4/, 5/, 6/.
Plain titmouse (Parus inornatus ridgwayi) Common resident 6/.
Bushtit (Psaltriparus minimus plumbeus) Possible common resident 3/.
White-breasted nuthatch (Sitta carolinensis nelsoni) Uncommon resident 6/.
Red-breasted nuthatch (Sitta canadensis) Rare resident 4/.
Pygmy nuthatch (Sitta pygmaea melanotis) Possible uncommon resident.
Brown creeper (Certhia familiaris montana) Uncommon resident and common migrant 6/.
Dipper (Cinclus mexicanus unicolor) Common resident 4/, 5/, 6/.
House wren (Troglodytes aedon parkmanii) Common summer resident 4/, 5/, 6/.
Bewick's wren (Thryomanes bewickii eremophilus) Possible common summer resident and rare winter resident.
Long-billed marsh wren (Telmatodytes palustris plesius) Possible rare winter resident.
Canyon wren (Salpinctes mexicanus conspersus) Possible uncommon summer resident
Rock wren (Salpinctes obsoletus obsoletus) Common summer 5/, and possible rare winter resident.
Mockingbird (Mimus polyglottos leucopterus) Possible uncommon summer resident.
Gray catbird (Dumetella carolinensis) Rare summer resident 3/, 6/.
Sage thrasher (Oreoscoptes montanus) Possible common summer resident.
American robin (Turdus migratorius propinquus) Common summer and winter resident 3/, 4/, 5/, 6/.
Hermit thrush (Catharus guttatus audubonii) Common summer resident 3/, 4/, 6/.
Swainson's thrush (Catharus ustulatus almae) Uncommon migrant 6/.
Veery (Catharus fucescens salicicola) Common migrant and summer resident 3/, 6/.
Western bluebird (Sialia mexicana bairdi) Common migrant and uncommon summer resident 6/.
Mountain bluebird (Sialia currucoides) Common migrant and summer resident 4/, 5/, 6/ and possible occasional winter resident.
Townsend's solitaire (Myadestes townsendi townsendi) Uncommon resident

Blue-gray gnatcatcher (Polioptila caerulea amoenissima) Common summer resident 6/.
Golden-crowned kinglet (Regulus satrapa amoenus) Possible uncommon migrant and rare summer resident.
Ruby-crowned kinglet (Regulus calendula cineraceus) Common migrant 5/, 6/.
Bohemian waxwing (Bombycilla garrulus pallidiceps) Possible irregular winter migrant 3/.
Cedar waxwing (Bombycilla cedrorum) Uncommon resident 6/.
Northern shrike (Lanius excubitor invictus) Possible common winter resident.
Loggerhead shrike (Lanius ludovicianus excubitorides) Possible uncommon summer and common winter resident.
Gray vireo (Vireo vicinior) Uncommon summer resident 6/.
Solitary vireo (Vireo solitarius plumbeus) Common summer resident 6/.
Red-eyed vireo (Vireo olivaceus) Possible rare summer resident.
Warbling vireo (Vireo gilvus swainsonii) Common summer resident 6/.
Tennessee warbler (Vermivora peregrina) Possible rare but regular migrant.
Orange-crowned warbler (Vermivora celata orestera) Uncommon migrant and summer resident 5/.
Nashville warbler (Vermivora ruficapilla ridgwayi) Possible rare migrant.
Virginia's warbler (Vermivora virginiae) Common summer resident 6/.
Yellow warbler (Dendroica petechia aestiva) Common summer resident 4/, 5/, 6/.
Yellow-rumped warbler (Dendroica coronata memorabilis) Common summer resident 3/, 5/, 6/; (D. c. coronata) Possible common migrant 3/.
Black-throated gray warbler (Dendroica nigrescens) Common summer resident 6/.
Townsend's warbler (Dendroica townsendi) Uncommon fall migrant 6/.
MacGillivray's warbler (Oporornis tolmiei monticola) Common summer resident 4/, 6/.
Common yellowthroat (Geothlypis trichas occidentalis; G. t. campicola) Uncommon summer resident 3/, 5/, 6/.
Yellow-breasted chat (Icteria virens auricollis) Possible common summer resident.
Wilson's warbler (Wilsonia pusilla pileolata) Common migrant and summer resident.
American redstart (Setophaga ruticilla tricolora) Possible rare migrant.
House sparrow (Passer domesticus domesticus) Common resident 5/, 6/.
Bobolink (Dolichonyx oryzivorus) Possible rare summer migrant.
Western meadowlark (Sturnella neglecta neglecta) Common summer 5/, 6/ and possible uncommon winter resident.
Yellow-headed blackbird (Xanthocephalus xanthocephalus) Common summer resident 5/, 6/.
Red-winged blackbird (Agelaius phoeniceus fortis) Common resident 5/, 6/.
Northern oriole (Icterus galbula bullockii) Common summer resident 3/, 5/, 6/.
Rusty blackbird (Euphagus carolinus carolinus) Possible rare winter migrant.
Brewer's blackbird (Euphagus cyanocephalus) Common resident 5/, 6/.
Brown-headed cowbird (Molothrus ater artemisiae) Common summer resident 5/, 6/.
Western tanager (Piranga ludoviciana) Common migrant and summer resident 6/.
Scarlet tanager (Piranga olivacea) Possible rare migrant.
Hepatic tanager (Piranga flava dextra) Extremely rare straggler 6/. (Record observation).
Black-headed grosbeak (Pheucticus melanocephalus melanocephalus) Common summer resident 4/.
Blue grosbeak (Guiraca caerulea interfusa) Possible uncommon summer resident.
Lazuli bunting (Passerina amoena) Common summer resident 6/.
Evening grosbeak (Hesperiphona vespertina brooksi) Common winter resident 5/, 6/.

Cassin's finch (Carpodacus cassinii) Possible common resident.
House finch (Carpodacus mexicanus frontalis) Common summer 4/, 6/ and possible uncommon winter resident.
Pine grosbeak (Pinicola enucleator montana) Possible uncommon resident.
Gray-crowned rosy finch (Leucosticte tephrocotis tephrocotis; L. t. littoralis) Possible common winter resident.
Black rosy finch (Leucosticte atrata) Possible common winter migrant.
Brown-capped rosy finch (Leucosticte australis) Possible common winter migrant.
Common redpoll (Acanthis flammea flammea) Possible rare winter migrant.
Pine siskin (Spinus pinus pinus) Common resident 4/.
American goldfinch (Spinus tristus tristus; S. t. pallidus) Possible common summer and uncommon winter resident.
Lesser goldfinch (Spinus psaltria psaltria) Possible uncommon summer and rare winter resident.
Red crossbill (Loxia curvirostra) Possible rare, irregular resident.
White-winged crossbill (Loxia leucoptera leucoptera) Possible rare winter migrant.
Green-tailed towhee (Chlorura chlorura) Common summer resident 4/, 5/, 6/.
Rufous-sided towhee (Pipilo erythrophthalmus montanus) Common summer and rare winter resident 5/, 6/.
Lark bunting (Calamospiza melanocorys) Possible uncommon summer resident.
Savannah sparrow (Passerculus sandwichensis nevadensis; P. s. anthinus) Common migrant and summer resident 5/, 6/.
Grasshopper sparrow (Ammodramus savannarum perpallidus) Uncommon summer resident 4/, 6/.
Vesper sparrow (Pooecetes gramineus confinis) Common migrant and summer resident 4/, 6/.
Lark sparrow (Chondestes grammacus strigatus) Possible common migrant and summer resident.
Black-throated sparrow (Amphispiza bilineata deserticola) Common summer resident 6/.
Sage sparrow (Amphispiza belli nevadensis) Common summer resident 6/.
Dark-eyed junco (Junco hyemalis aikeni) Possible rare winter migrant 3/; (J. h. hyemalis; J. h. cismontanus) Rare winter resident 3/, 6/; (J. h. oreganus) Common winter resident 3/, 6/; (J. h. o. var. mearnsi) Common winter resident 3/, 6/.
Gray-headed junco (Junco caniceps caniceps) Common summer 4/ and winter resident 5/, 6/.
Tree sparrow (Spizella arborea ochracea) Possible uncommon winter migrant.
Clay-colored sparrow (Spizella pallida) Common migrant 6/.
Chipping sparrow (Spizella passerina boreophila) Common summer resident 5/, 6/.
Brewer's sparrow (Spizella breweri breweri) Common summer resident 6/.
Harris' sparrow (Zonotrichia querula) Possible uncommon migrant and rare winter resident.
White-crowned sparrow (Zonotrichia leucrophrys) Common resident 4/, 5/.
White-throated sparrow (Zonotrichia albicollis) Rare migrant 6/.
Fox sparrow (Passerella iliaca schistacea) Rare summer resident 4/.
Lincoln's sparrow (Melospiza lincolnii alticola) Common migrant and summer resident 6/.
Song sparrow (Melospiza melodia) Common summer 6/ and possible uncommon winter resident.
Lapland longspur (Calcarius lapponicus alascensis) Possible rare winter migrant.

Raptores 2/

Turkey vulture (Cathartes aura meridionalis) Common summer 4/, 5/, 6/ resident.
Goshawk (Accipiter gentilis atricapillus) Uncommon resident 5/, 6/.
Sharp-shinned hawk (Accipiter striatus velox) Rare summer and common winter resident 7/.
Cooper's hawk (Accipiter cooperii) Uncommon summer resident 4/, 6/.
Red-tailed hawk (Buteo jamaicensis calurus) Common resident 4/, 5/, 6/.
Swainson's hawk (Buteo swainsoni) Common summer resident 4/, 6/.
Rough-legged hawk (Buteo lagopus s. johannis) Rare summer and uncommon winter resident or migrant.
Ferruginous hawk (Buteo regalis) Rare summer and common winter resident 6/.
Golden eagle (Aquila chrysaetos canadensis) Common resident 5/, 6/, 7/.
Bald eagle (Haliaeetus leucocephalus alascanus) Common winter resident 5/, 6/, 7/.
Marsh hawk (Circus cyaneus hudsonius) Common summer 4/, 5/, 6/, and uncommon winter resident 6/.
Osprey (Pandion haliaetus carolinensis) Rare migrant.
Prairie falcon (Falco mexicanus) Uncommon resident 6/.
Peregrine falcon (Falco peregrinus anatum) Rare migrant, endangered.
Merlin (Falco columbarius) Rare winter migrant 6/.
American kestrel (Falco sparverius sparverius) Common summer 4/, 5/, 6/, and possible uncommon winter resident.
Screech owl (Otus asio) Uncommon resident.
Flammulated owl (Otis flammeolus flammeolus) Possible rare summer resident.
Great horned owl (Bubo virginianus) Common resident 4/, 5/, 6/.
Pygmy owl (Glaucidium gnoma californicum) Possible rare resident.
Burrowing owl (Speotyto cunicularia hypugaea) Common summer 4/ and possible rare winter resident.
Long-eared owl (Asio otus wilsonianus) Uncommon resident 4/.
Short-eared owl (Asio flammeus flammeus) Possible uncommon winter migrant.
Saw-whet owl (Aegolius acadicus acadicus) Uncommon resident 6/.

7/ Golden and bald eagle specifically excluded from statutes defining "Raptore" as cited in footnote 1/ but herein listed to avoid omission.

P. H. Neil
December 1973

AMPHIBIANS

COMMON NAME	SCIENTIFIC NAME
Salamander, Utah Tiger	Ambystoma tigrinum
Bullfrog, Jumbo	Rana catesbeiana
Leopard Frog	Rana pipiens
Boreal Chorus Frog	Pseudacris triseriata
Canyon Tree Frog	Hyla arenicolor
Great Basin Spadefoot Toad	Scaphiopus intermontanus
Western Spadefoot Toad	Scaphiopus hammondi
Western Toad	Bufo boreas
Woodhouse Toad	Bufo woodhousei

REPTILES

COMMON NAME	SCIENTIFIC NAME
Desert Whip Snake (Striped)	Masticophis taeniatus
Corn Snake	Elaphe guttata
Great Basin Gopher Snake	Pituophis catenifer
Mesa Verde Night Snake	Hypsiglena torquata
Utah Black-headed Snake	Tantilla uthensis
Prairie Rattlesnake	Crotalus viridis
Water Snake	Natrix sipedon
Western Terrestrial Garter Snake (Wandering)	Thamaophis elegans
Western Yellow-bellied Racer	Coluber constrictor
Yellow Collared Lizard	Crotaphytus collaris
Northern Plateau Lizard	Sceloporus undulatus
Northern Tree Lizard	Urosaurus ornatus
Northern Side-blotched Lizard	Uta stansburiana
Desert Shorthorned Lizard	Phyrynosoma douglassi
Mountain Shorthorned Lizard	Phyrynosoma douglassi
Northern Whiptailed Lizard	Cnemidophorus tigris
Plateau Whiptailed Lizard	Cnemidophorus velox
Northern Sagebrush Lizard	Sceloporus graciousus
Western Skink Lizard	Eumeces skiltonianus
Small Spotted Leopard Lizard	Crotaphytus wislizenii

FISH

COMMON NAME	SCIENTIFIC NAME
Bass, Largemouth	Micropterus salmoides
Bass, Smallmouth	Micropterus domonieui
Bullhead, Black	Ictalurus melas
Carp	Cyprinus carpio
Catfish, Channel	Ictaluras puntatus
Chub, Roundtail	Gila robusta
Dace, Speckled	Rhinichthys osculus
Minnow, Brassy	~~Hybognathus~~ hankinson
Minnow, Fathead	Pimephalea promelas
Minnow, Red Side Shinner	Notropis lutrensis
Minnow, Sand Shiner	Notropis stramineus
Sucker, Flannelmouth	Catostomus latipinnis
Sucker, Humpback or Razorback	Xyrauchen texanus
Sucker, Plains Mountain	Pantosteus jordani
Sucker, Western Longnose	Catostomus catostomus
Sucker, Western White	Catostomus commersoni

FISH (Cont'd)

COMMON NAME	SCIENTIFIC NAME
Sunfish, Green	Lepomis cyanellus
Bluegill	Lepomis macrochirus
Squawfish, Colorado	Ptychochelus lucius
Trout, Brook	Salvelinus fontinalis
Trout, Native Cutthroat or Yellowstone	Salmo clarkii
Trout, Rainbow	Salmo gairdneri
Sculpin, Mottled Colorado	Cottus bairdi
Sculpin, Piute/Eagle	Cottus beldingi

APPENDIX #3

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION
1. State (2–3) 10 2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION Card 1

5. Job Name (11–30) Water Flat Res. Main

LOCATION CODES
6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62 9. County (43–45) 077
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67)
16. Range (68–72) 17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION
19. Present SSF (79–80)
20. Percent Slope (81–82)
21. Exposure (83) 22. Soil Texture (84)
23. Precipitation *(inches)* (85–86)
24. Elevation *(feet)* (87–91)
25. Vegetation Subtype (92–94)

COMPOSITION *(Percent)*
26. Grasses (95–96) 27. Forbs (97–98)
28. Browse (99–100)

COVER *(Percent)*
29. Vegetation (101–102) 30. Litter (103–104)
31. Bare Ground (105–106)

II – ANNUAL WORK PLAN INPUT DATA Card 2

75. Subactivity (11–14) 4350
76. Component-Job Code (15–18) 5769

UNITS PLANNED
77. Primary (19–24) 1.
78. Secondary (25–29)

TIME OF AWARD
79. Fiscal Year (30–31) 84 80. Third (32) 2

TIME OF COMPLETION
81. Fiscal Year (33–34) 84 82. Third (35) 3

BLM COST
83. Method (36) 1
84. Material (37–41) 100
85. Contract (42–47) 8000

CONTRIBUTED COST
86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE
88. Responsibility (58) 1 89. Cycle (59–61) 05

III – JOB DETAILS AND BENEFITS Card 3

37. Primary Job Objective (11)

PLANT AND PEST CONTROL
39. Chemical (12) 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION
47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE
54. Method (29)

FACILITIES
55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL
59. Type (32–33)
60. Water Filing Number (34–39)
STORAGE (Ac. Ft.) 61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION
63. Type (52–53)
64. Primary Species (54–56)
65. Animal Months (57–61)
66. Number Increase (62–66)
67. Pounds Fish Increase (67–71)
68. Rare/Endangered (72)

VISITOR DAYS ADDED
69. Fisherman (73–76)
70. Hunter (77–80)
71. Other (81–84)

IV – PROGRESS REPORT Card 4

COMPLETION DATA
UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Job Cost (25–30)
95. Work-Months (31–33)

CONTRIBUTION DETAIL
96. Agreement (34) 97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS
99. Deposited (56–60)
UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Equipment Rental (80)	80 Hr.	100		8000		
Seed			100			
TOTALS Materials						
Labor/Equipment						

Form 1732–1 (August 1981)

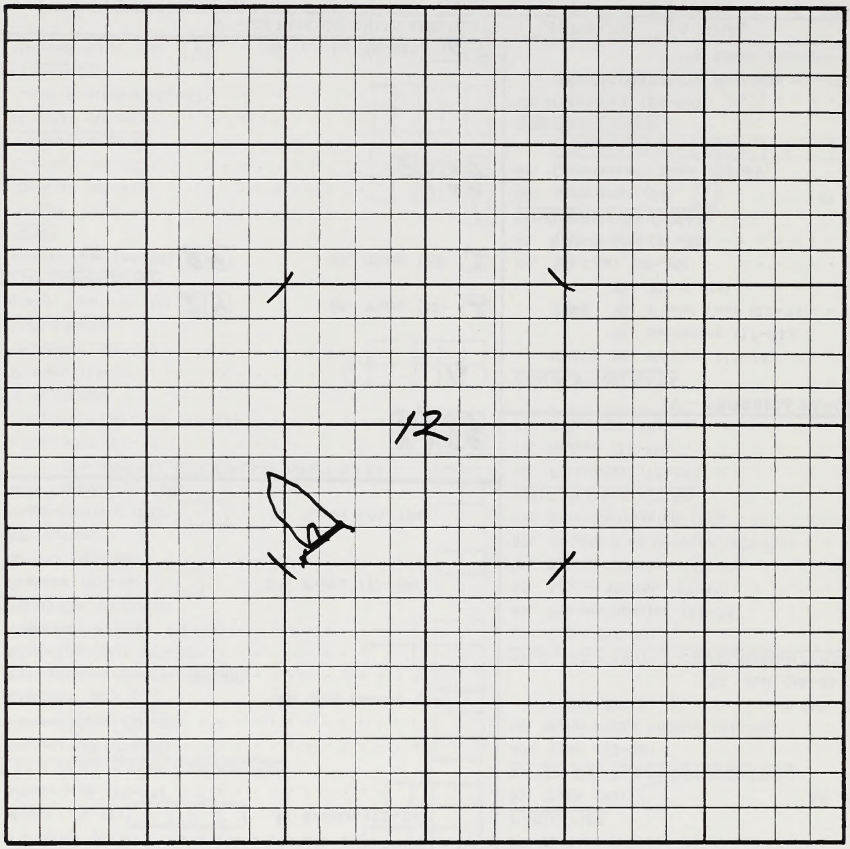
JOB IDENTIFICATION STATE CO DISTRICT 07 JOB NUMBER

VI – LOCATION PLAT

T. 9 S R. 99 W

Scale 1 inch = 1/2 M.

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Clean-out Winter Flats Res. to remove silt build up. Drag line will most likely be required.

Prepared by	Title	Date
Approved by	Title	Date

GPO 832 - 083

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION
1. State (2–3) CO
2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) Bowen Res. Maint.

LOCATION CODES
6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62
9. County (43–45) 045
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67)
16. Range (68–72)
17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION
19. Present SSF (79–80)
20. Percent Slope (81–82)
21. Exposure (83)
22. Soil Texture (84)
23. Precipitation *(inches)* (85–86)
24. Elevation *(feet)* (87–91)
25. Vegetation Subtype (92–94)

COMPOSITION *(Percent)*
26. Grasses (95–96)
27. Forbs (97–98)
28. Browse (99–100)

COVER *(Percent)*
29. Vegetation (101–102)
30. Litter (103–104)
31. Bare Ground (105–106)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 4350
76. Component-Job Code (15–18) 5767

UNITS PLANNED
77. Primary (19–24) 1.
78. Secondary (25–29)

TIME OF AWARD
79. Fiscal Year (30–31) 84
80. Third (32) 2

TIME OF COMPLETION
81. Fiscal Year (33–34) 84
82. Third (35) 3

BLM COST
83. Method (36) 1
84. Material (37–41)
85. Contract (42–47) 5000

CONTRIBUTED COST
86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE
88. Responsibility (58)
89. Cycle (59–61)

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11)

PLANT AND PEST CONTROL
39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION
47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE
54. Method (29)

FACILITIES
55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL
59. Type (32–33)
60. Water Filing Number (34–39)
STORAGE (Ac. Ft.) 61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION
63. Type (52–53)
64. Primary Species (54–56)
65. Animal Months (57–61)
66. Number Increase (62–66)
67. Pounds Fish Increase (67–71)
68. Rare/Endangered (72)

VISITOR DAYS ADDED
69. Fisherman (73–76)
70. Hunter (77–80)
71. Other (81–84)

IV – PROGRESS REPORT — Card 4

COMPLETION DATA
UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Job Cost (25–30)
95. Work-Months (31–33)

CONTRIBUTION DETAIL
96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS
99. Deposited (56–60)
UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Equipment Rented	Hr.	$100	—	5000		
TOTALS Materials						
Labor/Equipment				5000		

Form 1732–1 (August 1981)

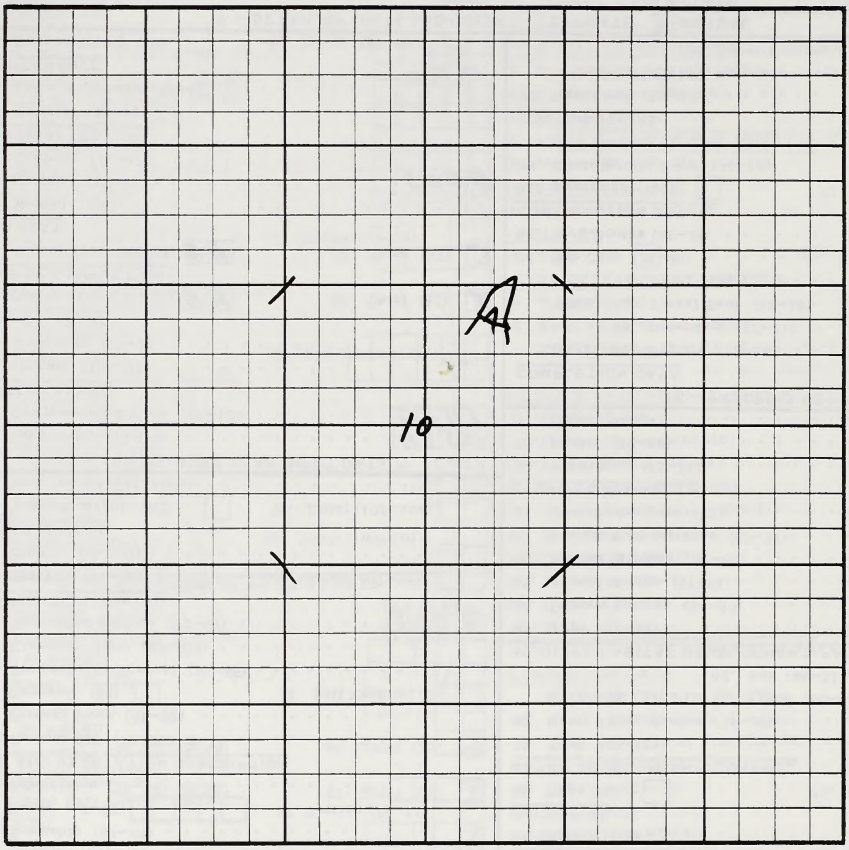
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T. 8S R. 98W

Scale 1 inch = 1/2 Mi

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Prepared by	Title	Date
Approved by	Title	Date

GPO 832 - 083

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) 60
2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) Deer Park PJ Thin Seed

LOCATION CODES

6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62
9. County (43–45) 077
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67)
16. Range (68–72)
17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION

19. Present SSF (79–80) 70
20. Percent Slope (81–82) 07
21. Exposure (83) 2
22. Soil Texture (84) 2
23. Precipitation *(inches)* (85–86) 12
24. Elevation *(feet)* (87–91) 6800
25. Vegetation Subtype (92–94) 071

COMPOSITION *(Percent)*

26. Grasses (95–96) 25
27. Forbs (97–98) 20
28. Browse (99–100) 55

COVER *(Percent)*

29. Vegetation (101–102) 40
30. Litter (103–104) 20
31. Bare Ground (105–106) 40

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 4350
76. Component-Job Code (15–18) 5550

UNITS PLANNED

77. Primary (19–24) 130.
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) 85
80. Third (32) 3

TIME OF COMPLETION

81. Fiscal Year (33–34) 85
82. Third (35) 3

BLM COST

83. Method (36) 1
84. Material (37–41) 2900
85. Contract (42–47) 6500

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) 1
89. Cycle (59–61) 10

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14) 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) 10.
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26) 26
52. Future SSF (27–28) 35

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Type (32–33)
60. Water Filing Number (34–39)

STORAGE (Ac. Ft.) 61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

63. Type (52–53) 21
64. Primary Species (54–56) 103
65. Animal Months (57–61) 25
66. Number Increase (62–66) 13
67. Pounds Fish Increase (67–71)
68. Rare/Endangered (72)

VISITOR DAYS ADDED

69. Fisherman (73–76) 5
70. Hunter (77–80) 65
71. Other (81–84) 30

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) .
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Job Cost (25–30)
95. Work-Months (31–33) .

CONTRIBUTION DETAIL

96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS

99. Deposited (56–60)

UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Chaining Contract	Ac	$40		5200		
Aerial Seed Broadcast	Ac	$10		1300		
Seed Purchase	Ac	$30	2900	$		
TOTALS Materials			2900			
Labor/Equipment				6500		

Form 1732–1 (August 1981)

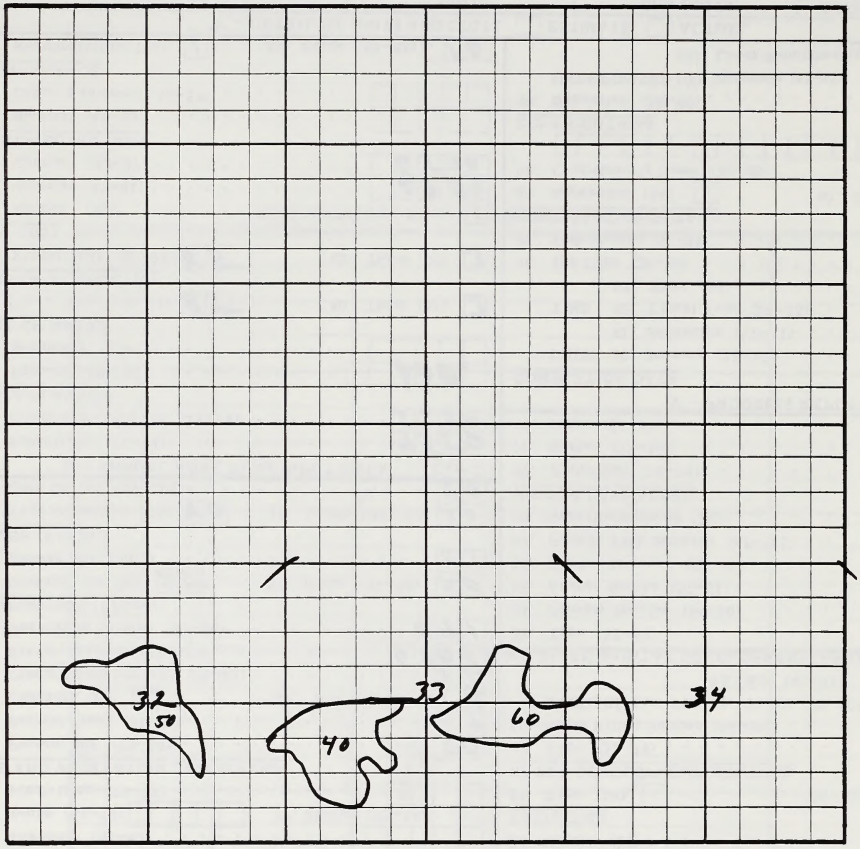
JOB IDENTIFICATION STATE CO DISTRICT 07 JOB NUMBER

VI – LOCATION PLAT

T. 9S R. 98W

Scale 1 inch = 1/2 mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Prepared by	Title	Date
Approved by	Title	Date

GPO 832-083

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION
1. State (2–3) CO
2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) Asbury Pt. PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62
9. County (43–45) 077
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67) 105
16. Range (68–72) 98W
17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION

19. Present SSF (79–80) 60
20. Percent Slope (81–82) 10
21. Exposure (83) 2
22. Soil Texture (84) 2
23. Precipitation *(inches)* (85–86) 12
24. Elevation *(feet)* (87–91) 6000
25. Vegetation Subtype (92–94) 091

COMPOSITION *(Percent)*

26. Grasses (95–96) 20
27. Forbs (97–98) 20
28. Browse (99–100) 60

COVER *(Percent)*

29. Vegetation (101–102) 35
30. Litter (103–104) 15
31. Bare Ground (105–106) 50

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 4250
76. Component-Job Code (15–18) 5555

UNITS PLANNED

77. Primary (19–24) 200.
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) 85
80. Third (32) 3

TIME OF COMPLETION

81. Fiscal Year (33–34) 85
82. Third (35) 3

BLM COST

83. Method (36) 1
84. Material (37–41) 6000
85. Contract (42–47) 10000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) 1
89. Cycle (59–61) 10

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14) 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) 16.
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26) 40
52. Future SSF (27–28) 35

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Type (32–33) 41
60. Water Filing Number (34–39)

STORAGE (Ac. Ft.)
61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

63. Type (52–53) 21
64. Primary Species (54–56) 103
65. Animal Months (57–61) 100
66. Number Increase (62–66) 20
67. Pounds Fish Increase (67–71)
68. Rare/Endangered (72)

VISITOR DAYS ADDED

69. Fisherman (73–76)
70. Hunter (77–80) 55
71. Other (81–84) 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS
90. Primary (11–16) .
91. Secondary (17–21)

TIME
92. Fiscal Year (22–23)
93. Third (24)

94. Job Cost (25–30)
95. Work-Months (31–33) .

CONTRIBUTION DETAIL

96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS

99. Deposited (56–60)

UNDEPOSITED
100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Chaining Contract	Ac	$40		8000		
Seed Broad Cast	Ac	$10		2000		
Seed Purchase	20#	$30	6000			
TOTALS Materials			6000			
Labor/Equipment				10,000		

Form 1732–1 (August 1981)

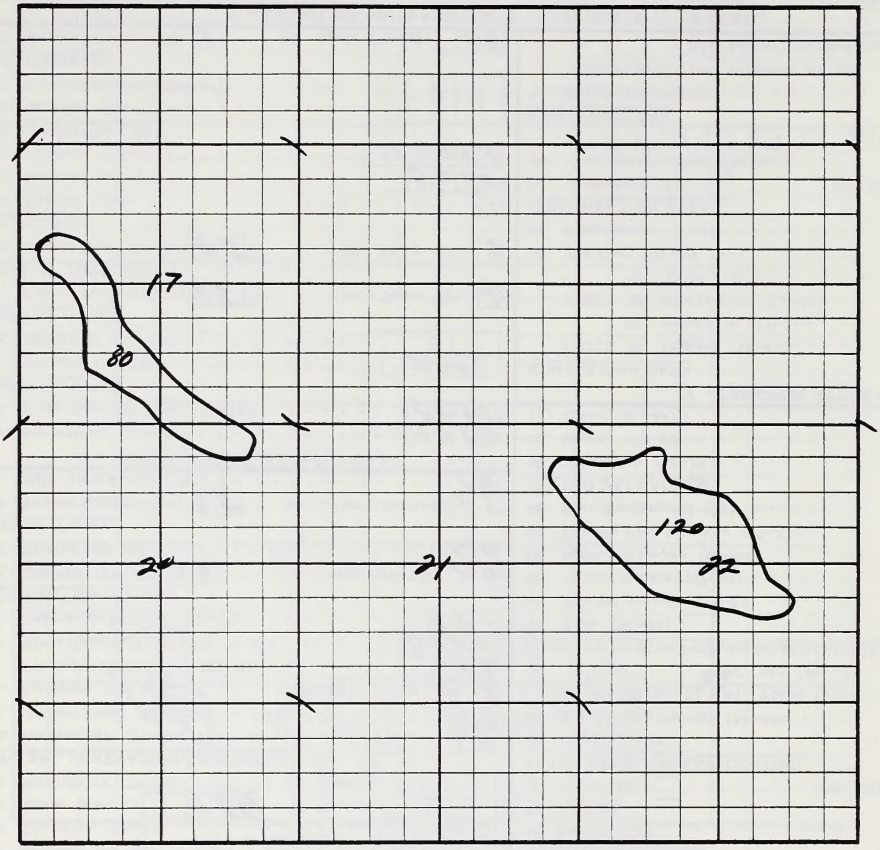
JOB IDENTIFICATION STATE CO DISTRICT 07 JOB NUMBER

VI – LOCATION PLAT

T. 10 S R. 98 W

Scale 1 inch =

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Date

Prepared by	Title	Date
Approved by	Title	Date

GPO 832 - 083

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) 60
2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) Castle Rock Sage BHS

LOCATION CODES

6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62
9. County (43–45) 045
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67)
16. Range (68–72)
17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION

19. Present SSF (79–80) 45
20. Percent Slope (81–82) 05
21. Exposure (83) 2
22. Soil Texture (84) 2
23. Precipitation *(inches)* (85–86) 11
24. Elevation *(feet)* (87–91) 5500
25. Vegetation Subtype (92–94) 041

COMPOSITION *(Percent)*

26. Grasses (95–96) 05
27. Forbs (97–98) 10
28. Browse (99–100) 85

COVER *(Percent)*

29. Vegetation (101–102) 20
30. Litter (103–104) 15
31. Bare Ground (105–106) 65

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 4350
76. Component-Job Code (15–18) 5555

UNITS PLANNED

77. Primary (19–24) 1600
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) 83
80. Third (32) 3

TIME OF COMPLETION

81. Fiscal Year (33–34) 83
82. Third (35) 3

BLM COST

83. Method (36)
84. Material (37–41) 1800
85. Contract (42–47)

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) 1
89. Cycle (59–61)

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14) 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) 100
48. Seedlings/Acre (18–21)
49. Method (22) 2
51. AUM's Livestock Forage Added (23–26) 20
52. Future SSF (27–28) 50

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Type (32–33)
60. Water Filing Number (34–39)

STORAGE (Ac. Ft.) 61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

63. Type (52–53) 21
64. Primary Species (54–56) 103
65. Animal Months (57–61) 80
66. Number Increase (62–66) 16
67. Pounds Fish Increase (67–71)
68. Rare/Endangered (72)

VISITOR DAYS ADDED

69. Fisherman (73–76)
70. Hunter (77–80) 80
71. Other (81–84) 40

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Job Cost (25–30)
95. Work-Months (31–33)

CONTRIBUTION DETAIL

96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS

99. Deposited (56–60)

UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Equip Rental	Ac	$22		3600		
Seed Cost.	Ac	$11	1800			
TOTALS Materials						
Labor/Equipment				3600		

Form 1732–1 (August 1981)

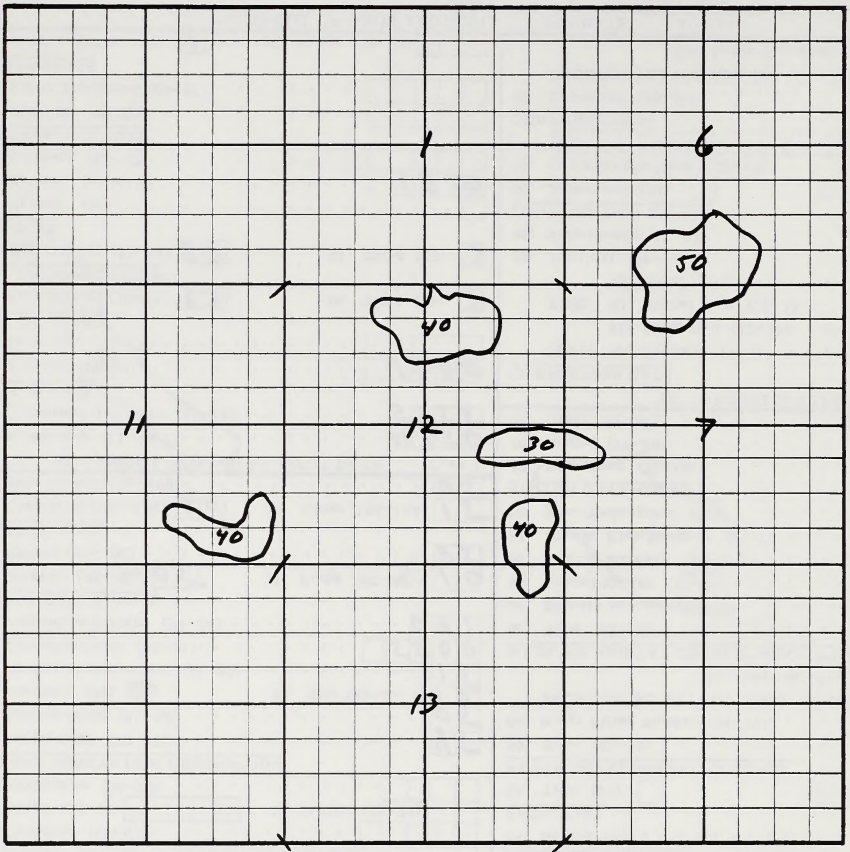
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T. 9 S R. 97 & 98W

Scale 1 inch = 1/2 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Sagebrush beating or burning and seeding (drill).

Prepared by	Title	Date
Approved by	Title	Date

GPO 832 - 083

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Roan Creek Structure

LOCATION CODES

6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38): 07
8. Subregion (39–42): 62
9. County (43–45): 077
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67): 65
16. Range (68–72): 1004
17. Section (73–74)
18. Subdivision (75–78): 20

SITE AND VEGETATION DESCRIPTION

19. Present SSF (79–80)
20. Percent Slope (81–82)
21. Exposure (83)
22. Soil Texture (84)
23. Precipitation *(inches)* (85–86)
24. Elevation *(feet)* (87–91)
25. Vegetation Subtype (92–94)

COMPOSITION *(Percent)*

26. Grasses (95–96)
27. Forbs (97–98)
28. Browse (99–100)

COVER *(Percent)*

29. Vegetation (101–102)
30. Litter (103–104)
31. Bare Ground (105–106)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 4350
76. Component-Job Code (15–18): 5661

UNITS PLANNED

77. Primary (19–24): 10.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31): 83
80. Third (32): 3

TIME OF COMPLETION

81. Fiscal Year (33–34): 83
82. Third (35): 3

BLM COST

83. Method (36)
84. Material (37–41): 200
85. Contract (42–47)

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job Number (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Type (32–33): 9
60. Water Filing Number (34–39): 0
STORAGE (Ac. Ft.) 61. Flood (40–45): 0
62. Silt (46–51): 0

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

63. Type (52–53): 66
64. Primary Species (54–56): 801
65. Animal Months (57–61): 2400
66. Number Increase (62–66): 200
67. Pounds Fish Increase (67–71): 100
68. Rare/Endangered (72)

VISITOR DAYS ADDED

69. Fisherman (73–76): 40
70. Hunter (77–80)
71. Other (81–84): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Job Cost (25–30)
95. Work-Months (31–33)

CONTRIBUTION DETAIL

96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS

99. Deposited (56–60)
UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Logs, Hardware & Repair	structure	$20	200			
TOTALS Materials			200			
Labor/Equipment						

Form 1732–1 (August 1981)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch =

T.__ __ __ R.__ __ __ Meridian __ __ __ __ __ __

VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

epar

Prepared by	Title	Date
Approved by	Title	Date

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) 20
2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) Roan Creek W. 110 W Pt.

LOCATION CODES

6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62
9. County (43–45) 077
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67)
16. Range (68–72)
17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION

19. Present SSF (79–80) 55
20. Percent Slope (81–82) 02
21. Exposure (83) 5
22. Soil Texture (84) 2
23. Precipitation *(inches)* (85–86) 18
24. Elevation *(feet)* (87–91) 7200
25. Vegetation Subtype (92–94)

COMPOSITION *(Percent)*

26. Grasses (95–96) 55
27. Forbs (97–98) 35
28. Browse (99–100) 10

COVER *(Percent)*

29. Vegetation (101–102) 28
30. Litter (103–104) 25
31. Bare Ground (105–106) 47

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 4350
76. Component-Job Code (15–18) 5655

UNITS PLANNED

77. Primary (19–24) 5.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) 84
80. Third (32) 2

TIME OF COMPLETION

81. Fiscal Year (33–34) 84
82. Third (35) 2

BLM COST

83. Method (36)
84. Material (37–41) –
85. Contract (42–47) –

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) 1
89. Cycle (59–61) 10

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) 40
49. Method (22) 2
51. AUM's Livestock Forage Added (23–26) 0
52. Future SSF (27–28) 40

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Type (32–33)
60. Water Filing Number (34–39)

STORAGE (Ac. Ft.) 61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

63. Type (52–53) 65
64. Primary Species (54–56) 801
65. Animal Months (57–61) 1200
66. Number Increase (62–66) 100
67. Pounds Fish Increase (67–71) 50
68. Rare/Endangered (72)

VISITOR DAYS ADDED

69. Fisherman (73–76) 10
70. Hunter (77–80)
71. Other (81–84) 2

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Job Cost (25–30)
95. Work-Months (31–33)

CONTRIBUTION DETAIL

96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS

99. Deposited (56–60)

UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
TOTALS Materials						
Labor/Equipment						

Form 1732–1 (August 1981)

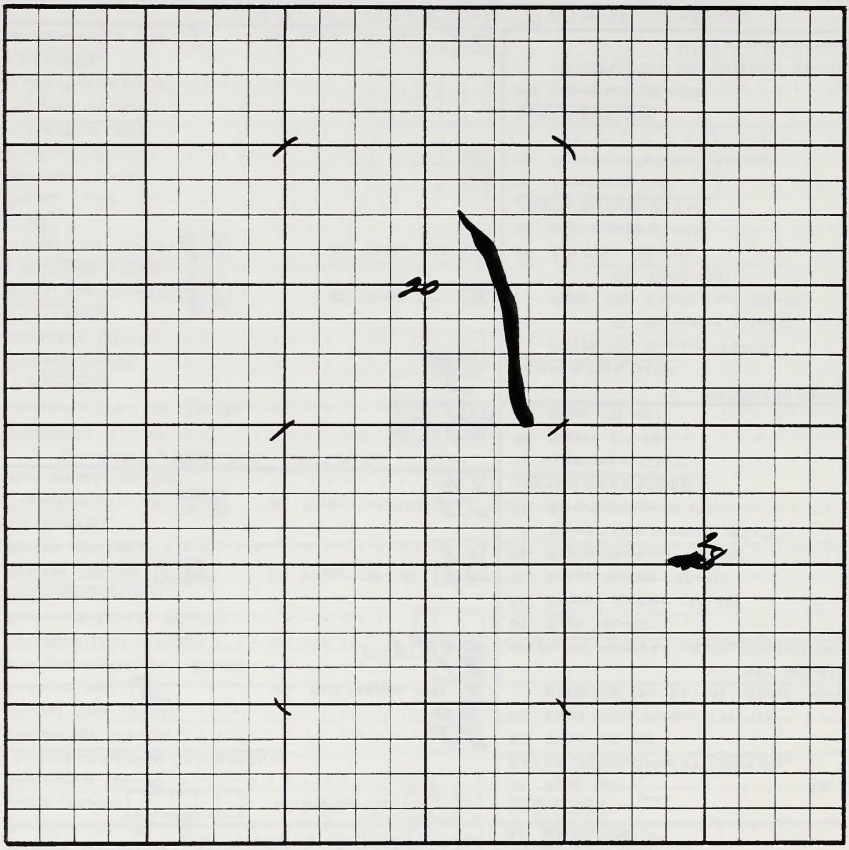
JOB IDENTIFICATION STATE CO DISTRICT 07 JOB NUMBER

VI – LOCATION PLAT

T. 6 S R. 100

Scale 1 inch = 1/2 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Willow Planting on one mile of Roan Creek

Prepared by	Title	Date
Approved by	Title	Date

GPO 832-083

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) CO
2. District (4–5) 07
3. Job Number (6–9)
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) Chimney Rock PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Resource Area/Planning Unit (35–38) 07
8. Subregion (39–42) 62
9. County (43–45) 077
10. Watershed Area Number (46–48)
11. Allotment Number (49–52)
12. Wildlife Habitat Area (53–56)
13. Wild Horse/Burro Area Number (57–60)
14. Meridian (61–62)
15. Township (63–67) 75
16. Range (68–72) 98W
17. Section (73–74)
18. Subdivision (75–78)

SITE AND VEGETATION DESCRIPTION

19. Present SSF (79–80) 63
20. Percent Slope (81–82) 05
21. Exposure (83) 3
22. Soil Texture (84) 2
23. Precipitation *(inches)* (85–86) 15
24. Elevation *(feet)* (87–91) 6100
25. Vegetation Subtype (92–94) 091

COMPOSITION *(Percent)*

26. Grasses (95–96) 5
27. Forbs (97–98) 15
28. Browse (99–100) 80

COVER *(Percent)*

29. Vegetation (101–102) 17
30. Litter (103–104) 22
31. Bare Ground (105–106) 61

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 4350
76. Component-Job Code (15–18) 5555

UNITS PLANNED

77. Primary (19–24) 50.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) 84
80. Third (32) 3

TIME OF COMPLETION

81. Fiscal Year (33–34) 84
82. Third (35) 3

BLM COST

83. Method (36) 1
84. Material (37–41) 1500
85. Contract (42–47) 2250

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) 1
89. Cycle (59–61) 10

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) 100
48. Seedlings/Acre (18–21)
49. Method (22) 1
51. AUM's Livestock Forage Added (23–26) 10
52. Future SSF (27–28) 25

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Type (32–33)
60. Water Filing Number (34–39)

STORAGE (Ac. Ft.) 61. Flood (40–45)
62. Silt (46–51)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

63. Type (52–53) 21
64. Primary Species (54–56) 103
65. Animal Months (57–61) 50
66. Number Increase (62–66) 10
67. Pounds Fish Increase (67–71)
68. Rare/Endangered (72)

VISITOR DAYS ADDED

69. Fisherman (73–76)
70. Hunter (77–80) 50
71. Other (81–84) 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Job Cost (25–30)
95. Work-Months (31–33)

CONTRIBUTION DETAIL

96. Agreement (34)
97. Contributor (35)
98. Contributor's Name (36–55)

CONTRIBUTIONS

99. Deposited (56–60)

UNDEPOSITED 100. Materials (61–65)
101. Labor/Equipment (66–70)

V – DETAIL OF UNITS AND COSTS ☐ ESTIMATE ☐ ACTUAL

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA.MILE,ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Equipment Rental	Hour	$50		2250		
Seed	Ac	30	1500	4500		
TOTALS Materials						
Labor/Equipment						

Form 1732–1 (August 1981)

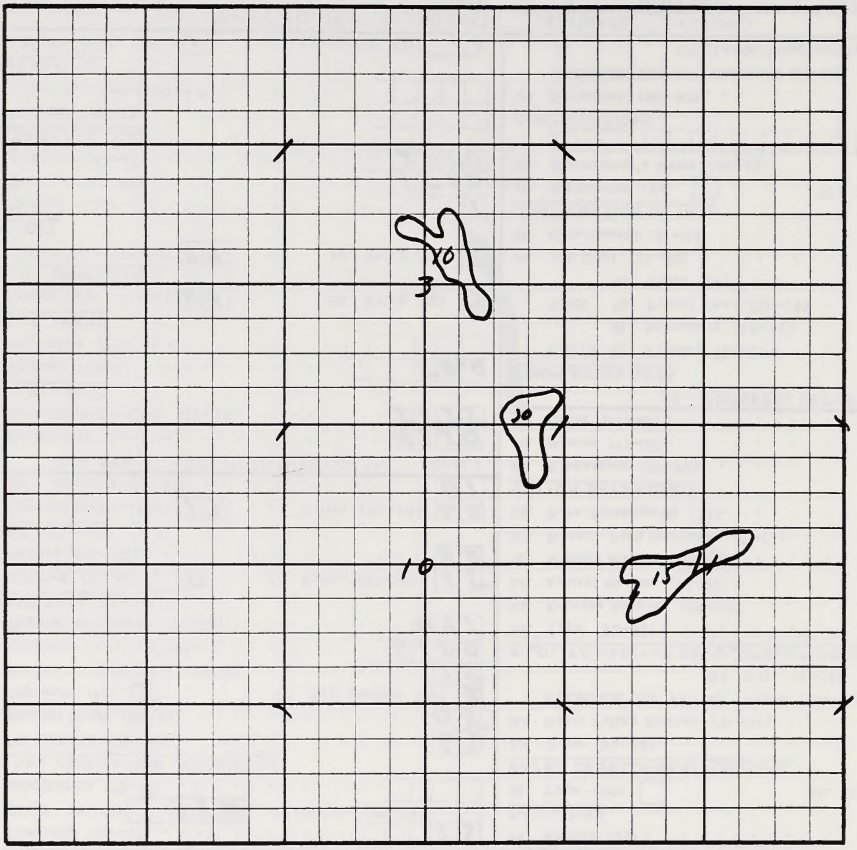
JOB IDENTIFICATION STATE CO DISTRICT 07 JOB NUMBER

VI – LOCATION PLAT

T. 7S R. 98W

Scale 1 inch =

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Push tree with a cat and broadcast seed on disturbed soil or snow.

Prepared by	Title	Date
Approved by	Title	Date

GPO 832 - 083

APPENDIX 3

JOB DOCUMENTATION REPORTS

AND

CONSTRUCTION ANALYSIS REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): LONG PT. PJ THINNING

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53): 70 — 14. % Slope (54–55): 12
15. Exposure (56): 3 — 16. Soil Texture (57): 1
17. Precipitation (inches) (58–59): 14
18. Elevation (feet) (60–64): 6000
19. Vegetative Subtype (65–67): 091

COMPOSITION (Percent)

20. Grasses (68–69): 10 — 21. Forbs (70–71): 15
22. Browse (72–73): 75

COVER (Percent)

23. Vegetative (74–75): 17 — 24. Litter (76–77): 32
25. Bare Ground (78–79): 21

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

UNITS PLANNED

77. Primary (19–24): 130.0
78. Secondary (25–29): JUSC

TIME OF AWARD

79. Fiscal Year (30–31): TG — 80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34): 77 — 82. Third (35): 1

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 3500

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 705

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9): 4315
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): .5
52. Future SSF (27–28): 40

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 30
65. Number Increase (55–59): 8
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 40 — 70. Other (74–77): 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
P.J. Thinning 130 acres work to be done by hand. heave stand remove 150 trees/ac leave 10 live/ac leave all dead trees						155
TOTALS Materials						
Labor/Equipment				3500		

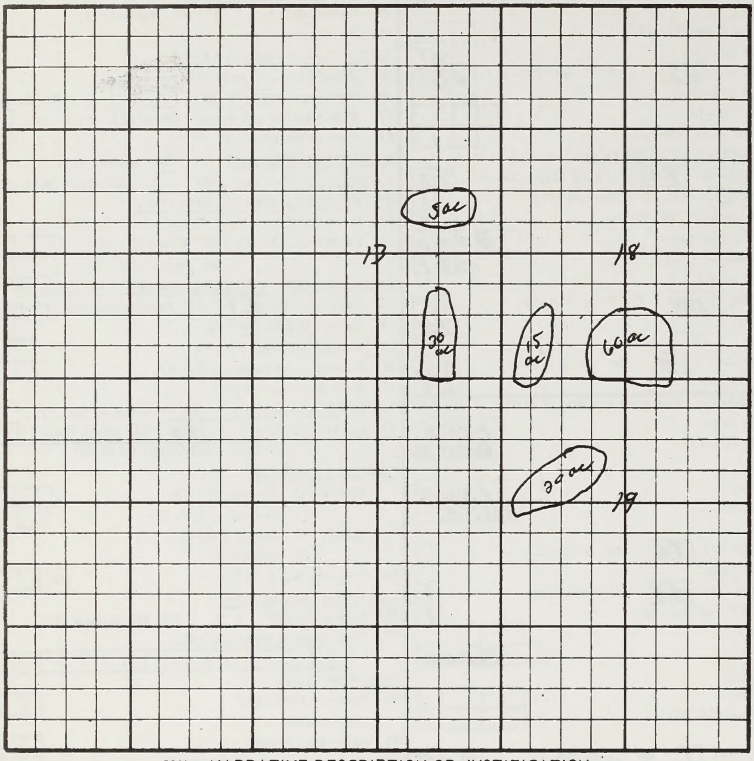
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE Co DISTRICT 07 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 S. R 98 & 99 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of thinning 130 acres of P-J on critical mule deer winter range to increase forage production of understory vegetation.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bur. Planning Coverage: MFP (1971) HMP (1976)
Special Significance: Improve small bird and mammal populations on feeding area for Golden Eagle and possibly peregrine falcon.
Public Demand: High

Prepared by S/ Douglas McVean	Title	Date
Approved by 156	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

1. State (2–3) 03
2. District (4–5) 07
3. Job No. (6–9) 4316
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

Name (11–39) LONG PT. SEEDING

LOCATION CODES

6. Special Project Code (31–34) . . . . .
7. Planning Unit (35–36) 07
8. Sub-Basin (37–38) 62 9. County (39–41) 077
10. Watershed No. (42–44) . . . . .
11. Allotment No. (45–47) . . . . .
12. Wildlife Habitat Area (48–50) . . . . .

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) 70 14. % Slope (53–54) 12
15. Exposure (55) 3 16. Soil Texture (56) 1
17. Precipitation (inches) (57–58) 14
18. Elevation (feet) (59–63) 6000
19. Vegetative Subtype (64–66) 091

COMPOSITION (Percent)

20. Grasses (67–68) 10 21. Forbs (69–70) . . 15
22. Browse (71–72) 75

COVER (Percent)

23. Vegetative (73–74) 17 24. Litter (75–76) . 24
25. Bare Ground (77–78) 59

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 1285
76. Work Job Code (15–18) 6004

PLANNED

77. Primary (19–24) 1301.0
78. Secondary (25–29) . . . . . CEMO

TIME OF AWARD

79. Fiscal Year (30–31) 76 80. Third (32) . . .

TIME OF COMPLETION

81. Fiscal Year (33–34) 76 82. Third (35) . . .

BLM COST 83. Method (36) 1

84. Material (37–41) 1105
85. Contract (42–47) 650

CONTRIBUTED COST

86. Material (48–52) . . . . .
87. Labor/Equipment (53–57) . . . . .

MAINTENANCE

88. Responsibility (58) 1 89. Cycle (59–61) . 705

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12) 42. Method (13) . . . . .
43. Mechanical – Method (14) . . . . .

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) 5.0
48. Seedlings/Acre (18–21) 49. Method (22) 1
51. AUM's Livestock Forage Added (23–25) . . 10
52. Future SSF (27–28) 30

WATERSHED TILLAGE 54. Method (29) . . . .

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32) . . . . .
STORAGE (Ac. Ft.) 60. Flood (33–38)
67. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46) 21 63. Primary Species (47–49) 103
64. Animal Months (50–54) 25
65. Number Increase (55–59) 6
66. Pounds Fish Increase (60–64) . . . .
67. Rare/Endangered (65) . . . . .

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73) 32 70. Other (74–77) 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) . . . .
91. Secondary (17–21) . . . .
TIME 92. Fiscal Year (22–23) . . . . .
93. Third (24) . . . . .
94. Contract No. (25–29) . . . . . CT

CONTRIBUTION DETAIL

95. Agreement (30) 96. Participant (31) . . .
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56) . . . . .
Undeposited
99. Materials (57–61) . . . . .
100. Labor/Equipment (62–66) . . . . .

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract	130 ac			650		
Approx ½ area seeded						
Seed Mixture						
Artr	1#/ac	4.50				
Cemo	1#/ac	3.00				
Acta	1#/ac	4.00				
Porb	1#/ac	3.00k				
Ager	1#/ac	.50				157
Agsm	1#/ac	1.00				
TOTALS Materials			1105			
Labor/Equipment				650		

Form 1630–8 (November 1972)

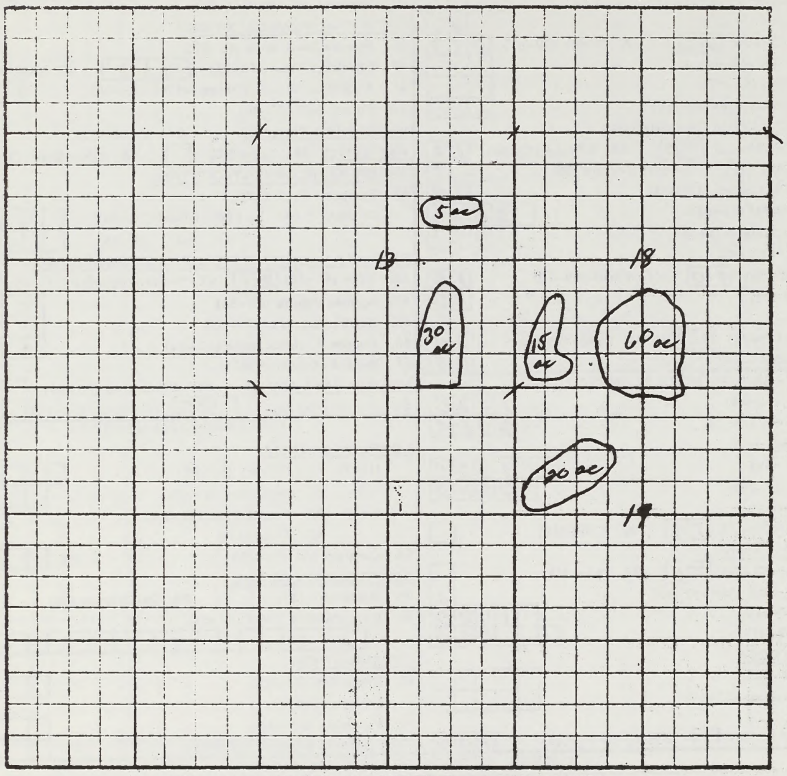
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

851

Scale 1 inch = 1/2 mile

T 7 S. R. 98 & 99 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of seeding 130 acres of P-J thinning to increase mule deer forage.

Habitat Classification: Critical
Habitat Condition: Deteriorating
Bur. Planning Coverage: MFP (1971) HMP (1976)
Public Demand: High
Special Significance:

Prepared S/_Douglas McVean	Title	Date
Approved by	Title	Date

5556

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): WEST SPEAR PJ THIN

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53): 56 — 14. % Slope (54–55): 10
15. Exposure (56): 2 — 16. Soil Texture (57): 4
17. Precipitation (inches) (58–59): 14
18. Elevation (feet) (60–64): 5800
19. Vegetative Subtype (65–67): 091

COMPOSITION (Percent)

20. Grasses (68–69): 5 — 21. Forbs (70–71): 20
22. Browse (72–73): 75

COVER (Percent)

23. Vegetative (74–75): 57 — 24. Litter (76–77): 12
25. Bare Ground (78–79): 25

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

UNITS PLANNED

77. Primary (19–24): 100.0
78. Secondary (25–29): JUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 2200

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 10
52. Future SSF (27–28): 35

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 100
65. Number Increase (55–59): 20
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 50 — 70. Other (74–77): 25

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
P-J Thinning Contract 100 ac.	22/ac			2200		
TOTALS Materials						
Labor/Equipment				2200		

154

Form 1630–8 (February 1977)

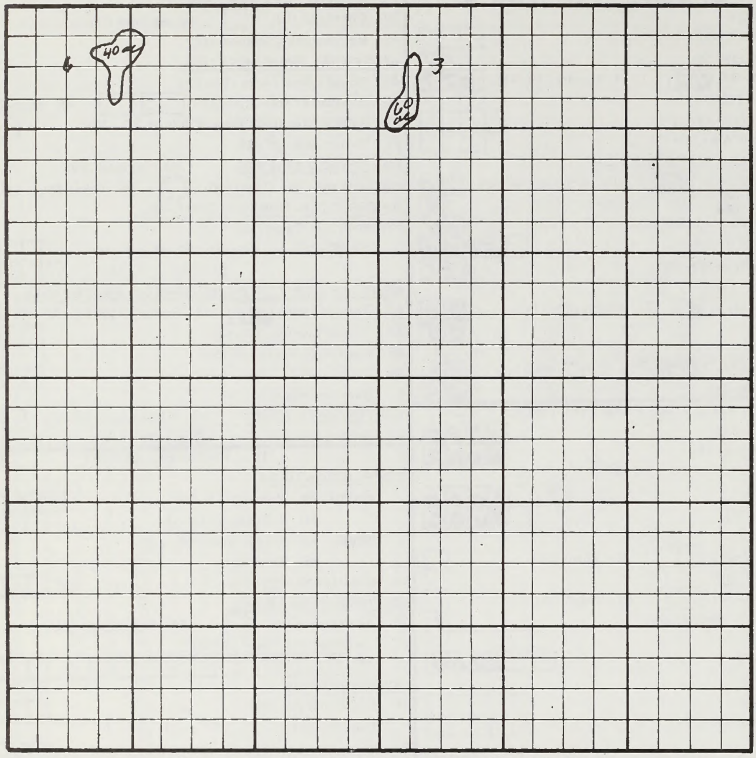
JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

T. 8 S. R. 98 W.

Scale 1 inch = 1 MILE

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of thinning 100 acres of P-J to increase forage production for mule deer.

Habitat Classification: Critical
Habitat Condition: Deteriorating
Bur. Planning Coverage: MFP (1971) HMP (1976)
Public Demand: High
Special Significance:

Prepared by	Title	Date
J Douglas McVean		
Approved by	**Title**	**Date**
160		

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): West Spear Seeding

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 56 — 14. % Slope (53–54): 10
15. Exposure (55): 2 — 16. Soil Texture (56): 4
17. Precipitation (inches) (57–58): 14
18. Elevation (feet) (59–63): 5800
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 5 — 21. Forbs (69–70): 20
22. Browse (71–72): 75

COVER *(Percent)*

23. Vegetative (73–74): 57 — 24. Litter (75–76): 13
25. Bare Ground (77–78): 25

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6004

TS PLANNED

Primary (19–24): 100.0
78. Secondary (25–29): Cemo

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST 83. Method (36): 1

84. Material (37–41): 850
85. Contract (42–47): 500

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 5.0
48. Seedlings/Acre (18–21) — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 8
52. Future SSF (27–28): 35

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 25
65. Number Increase (55–59): 6
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)
69. Hunter (70–73): 32 — 70. Other (74–77): 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract		$ 5/ac		500		
Seeding Mixture						
Artr 4.50/lb	1 lb	17.00/ac				
Cemo 3.00/lb	1 lb					
Forb 3.00/lb	2 lb					
Agdc .50/lb (Nordan)	½ lb					
Agsm .70/lb	½ lb					
						161
TOTALS Materials			850			
Labor/Equipment				500		

Form 1630–8 (November 1972)

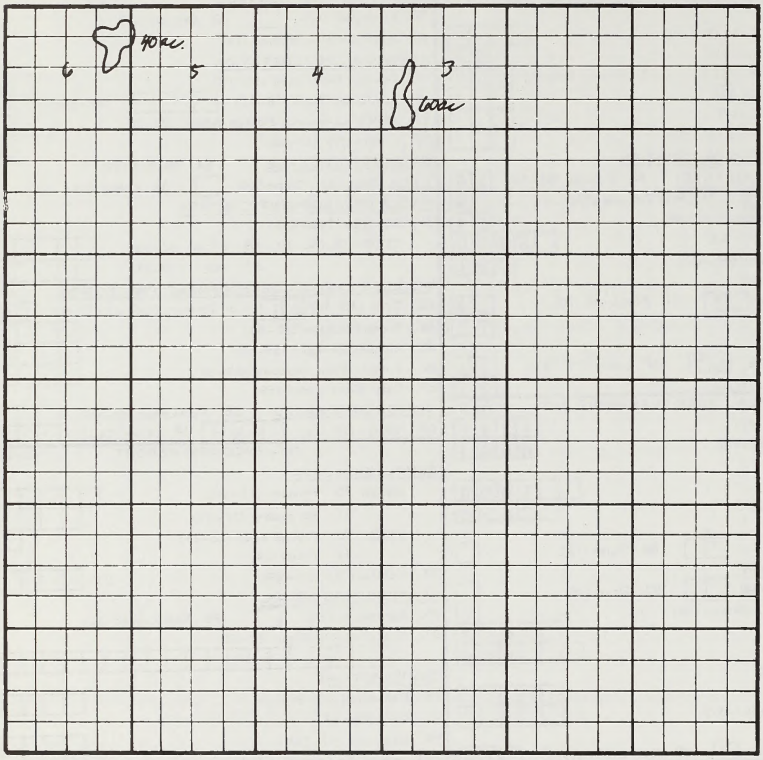
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1 Mile

T. 8 S. R. 98 W.

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Project will consist of seeding 100 acres of P-J thinning on critical mule deer winter range.
Habitat Classification: Critical mule deer
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance: None

repared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-19E

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Coon Hollow Res

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) — 14. % Slope (53–54)
15. Exposure (55) — 16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68) — 21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74) — 24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6241

TS PLANNED

77. Primary (19–24): 1.0
78. Secondary (25–29): 1000

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 650
85. Contract (42–47): 1400

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CC
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32): 2
STORAGE (Ac. Ft.) 60. Flood (33–38): 5
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45 — 63. Primary Species (47–49): 501
64. Animal Months (50–54): 40
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 20 — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Reservoir Construction	1000 cu yds			750		
Water Trough						
Pipe, valve, rock crib						
Fence Materials: 120 steel posts			650			
30 juniper posts and 8 spools				650		
barbed wire						
ice Construction Contract.						
TOTALS Materials			650			
Labor/Equipment				1400		

163

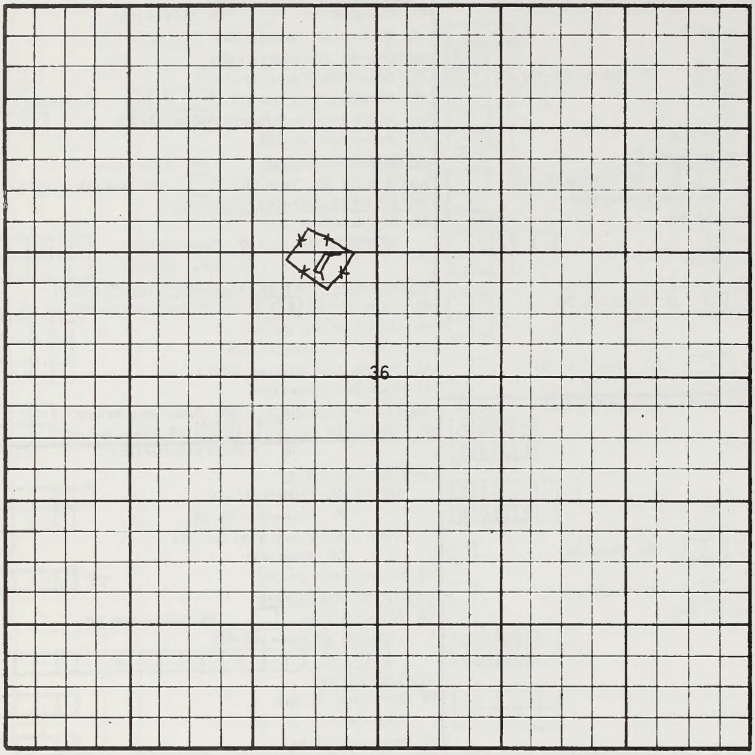
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 mile

T. 8 S. R. 98 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of reconstructing a washed out reservoir dam to provide nesting, feeding and resting habitat for ducks. Constructing ½ mile of protective fencing around the impoundment and installing a pipeline and livestock watering trough below the impoundment.

1. Habitat Classification: Important
2. Habitat Condition: Deteriorate
3. Bur. Planning Coverage: HMP (1975) MFP (1971) URA (1969)
4. Hunter Demand:
5. Special Significance:

The project will also supply water for mourning doves and numerous non-game birds and mammals.

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-198

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION (Card 1)

5. Job Name (11–30): BRUSH CK PROT FENCE

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53)
14. % Slope (54–55)
15. Exposure (56)
16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69)
21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75)
24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA (Card 2)

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6448

ITS PLANNED

77. Primary (19–24): 1.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36)
84. Material (37–41): 1400
85. Contract (42–47): 1600

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): 00
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10)

III – JOB DETAILS AND BENEFITS (Card 3)

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30): 2 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 62
63. Primary Species (47–49): 801
64. Animal Months (50–54): 6000
65. Number Increase (55–59): 500
66. Pounds Fish Increase (60–64): 250
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69): 20

69. Hunter (70–73) 70. Other (74–77): 10

IV – PROGRESS REPORT (Card 4)

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
barbed wire (4 strands)	1 Mi.		1400			
steel posts				1600		
labor	100					165
TOTALS Materials						
Labor/Equipment						

Form 1630–8 (February 1977)

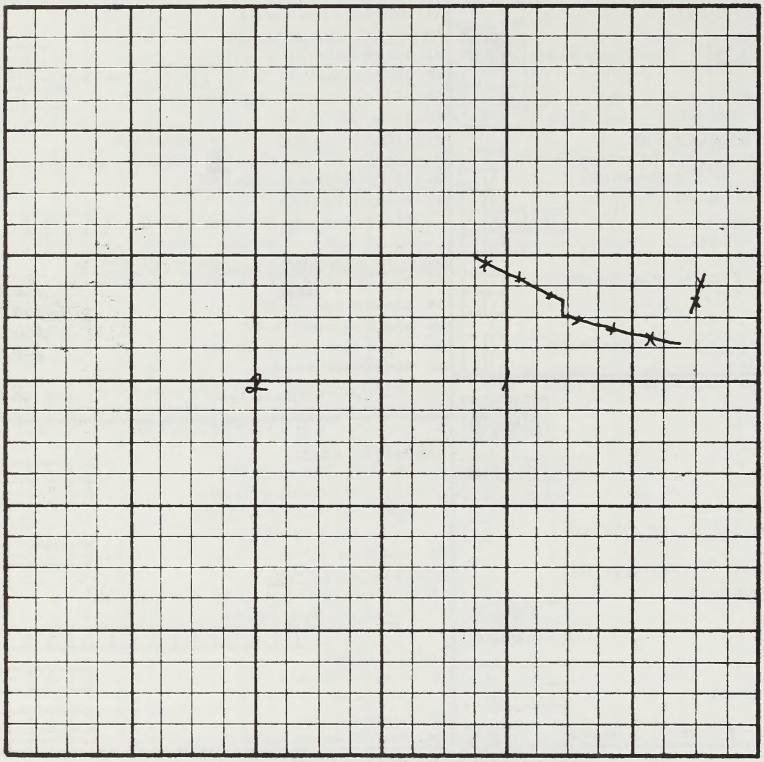
JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

T. 05 S R. 100 W.

Scale 1 inch = 1/2 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Fence is intended to keep cattle out of Brush Creek.
Watergap should cross Bush Creek in NE¼, NE¼, Section 1, T. 5 S.,R.100 W. extending from rim to rim, so that cattle from Hazelwood's private land do not utilize Brush Creek banks.
Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP(1976) MFP (1971)
Public Demand: High
Special Significance:

1/6/6

Prepared by S/ Douglas McVaan	Title	Date
Approved by	Title	Date

GPO 839-26

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): BRUSH CK PLANT SEED

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53): 45 — 14. % Slope (54–55): 05
15. Exposure (56): 1 — 16. Soil Texture (57): 3
17. Precipitation (inches) (58–59): 20
18. Elevation (feet) (60–64): 8200
19. Vegetative Subtype (65–67)

COMPOSITION (Percent)

20. Grasses (68–69): 44 — 21. Forbs (70–71): 35
22. Browse (72–73): 20

COVER (Percent)

23. Vegetative (74–75): 14 — 24. Litter (76–77): 34
25. Bare Ground (78–79): 41

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

UNITS PLANNED

77. Primary (19–24): 100
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36)

84. Material (37–41): 500
85. Contract (42–47)

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): 60
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10)

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 105
48. Seedlings/Acre (18–21): 50 — 49. Method (22): 2
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28): 10

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 65 — 63. Primary Species (47–49): 801
64. Animal Months (50–54): 6000
65. Number Increase (55–59): 500
66. Pounds Fish Increase (60–64): 250
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69): 20
69. Hunter (70–73) — 70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Willow Root Stock (400)	each	.20	80			
Water Birch Seedlings (100)	each	200	200			
Seed: Kentucky bluegrass4lb/ac	lb	1.00	40			
streambank wheatgrass 4lb/ac	lb	.50	20			
great basin wild rye 1lb/ac	lb	.50	5			
longstalk clover 1lb/ac	lb	.50	5			
wild rose 1/4lb/ac	lb	.50	15			
Bristly black current1/4lb/ac	lb	5.00	15			
seeding & planting 1 MM						
TOTALS Materials			500			167
Labor/Equipment						

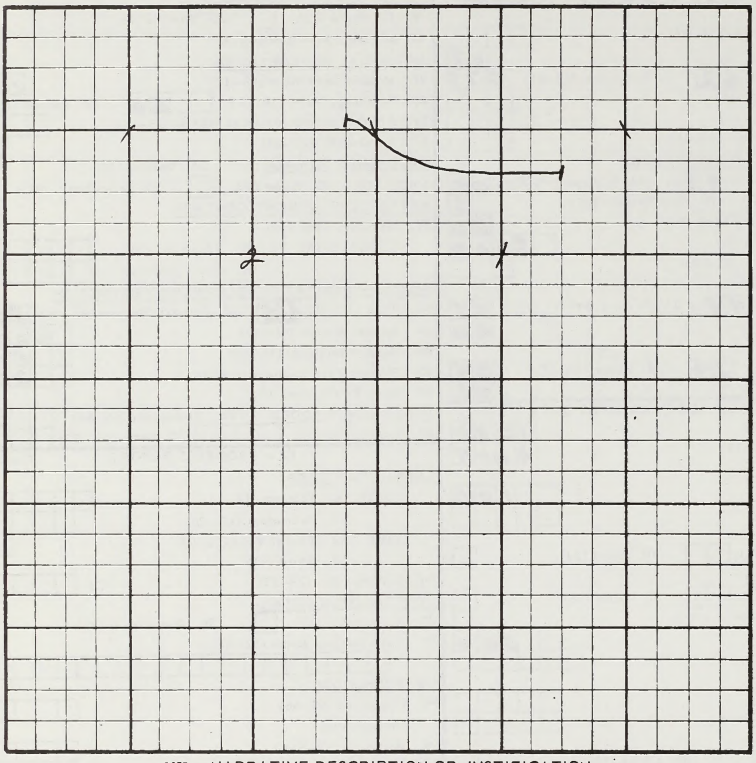
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 MILE

T. 5S. R. 100W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Approx. 10 ac. along one mile at Brush Cr. will be planted and seeded to improve stream canopy and bankcover. Primary benifits will be to rainbow trout by reducing siltation, algae, growth and water temp. and increasing cover.

Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP (1976) MFP (1971)
Public Demand: High
Special Significance:

Prepared by S/ Douglas McLean	Title	Date
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): 0680 SPRING MODIF

LOCATION CODES

6. Special Project Code (31–34):
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 045
10. Watershed No. (42–44): 007
11. Allotment No. (45–48):
12. Wildlife Habitat Area (49–51):

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53):
14. % Slope (54–55):
15. Exposure (56):
16. Soil Texture (57):
17. Precipitation (inches) (58–59):
18. Elevation (feet) (60–64):
19. Vegetative Subtype (65–67):

COMPOSITION *(Percent)*

20. Grasses (68–69):
21. Forbs (70–71):
22. Browse (72–73):

COVER *(Percent)*

23. Vegetative (74–75):
24. Litter (76–77):
25. Bare Ground (78–79):

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6242

UNITS PLANNED

77. Primary (19–24): 10
78. Secondary (25–29): 8

TIME OF AWARD

79. Fiscal Year (30–31):
80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34):
82. Third (35):

BLM COST

83. Method (36):
84. Material (37–41): 1000
85. Contract (42–47): 1000

CONTRIBUTED COST

86. Material (48–52):
87. Labor/Equipment (53–57):

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 03

JOB IDENTIFICATION

1. State (2–3): 06
2. District (4–5): 07
3. Job No. (6–9):
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 5

PLANT AND PEST CONTROL

39. Chemical (12):
42. Method (13):
45. Mechanical – Method (14):

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17):
48. Seedlings/Acre (18–21):
49. Method (22):
51. AUM's Livestock Forage Added (23–26):
52. Future SSF (27–28):

WATERSHED TILLAGE

54. Method (29):

FACILITIES

55. Type (30):
56. Other Misc. (31):

WATER DEVELOPMENT/CONTROL

59. Structure Type (32):

STORAGE (Ac. Ft.)

60. Flood (33–38):
61. Silt (39–44):

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 65
63. Primary Species (47–49): 801
64. Animal Months (50–54): 240
65. Number Increase (55–59): 20
66. Pounds Fish Increase (60–64): 10
67. Rare/Endangered (65):

VISITOR DAYS ADDED

68. Fisherman (66–69): 5
69. Hunter (70–73):
70. Other (74–77):

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS
90. Primary (11–16):
91. Secondary (17–21):

TIME
92. Fiscal Year (22–23):
93. Third (24):

94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30):
96. Participant (31):
97. Contributor's Name (32–51):

CONTRIBUTIONS

98. Deposited (52–56):

Undeposited

99. Materials (57–61):
100. Labor/Equipment (62–66):

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA MILE, ETC (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Concrete spring box	1 ea.	200	200			
2" pvc pipe	800'	50	50			
2 tanks (existing at site)		-0-				
barbed wire	1 mi	350	350			
steel posts	2 ea.		400			
pads				1000		
						169
TOTALS Materials			1000			
Labor/Equipment				1000		

Form 1630–8 (February 1977)

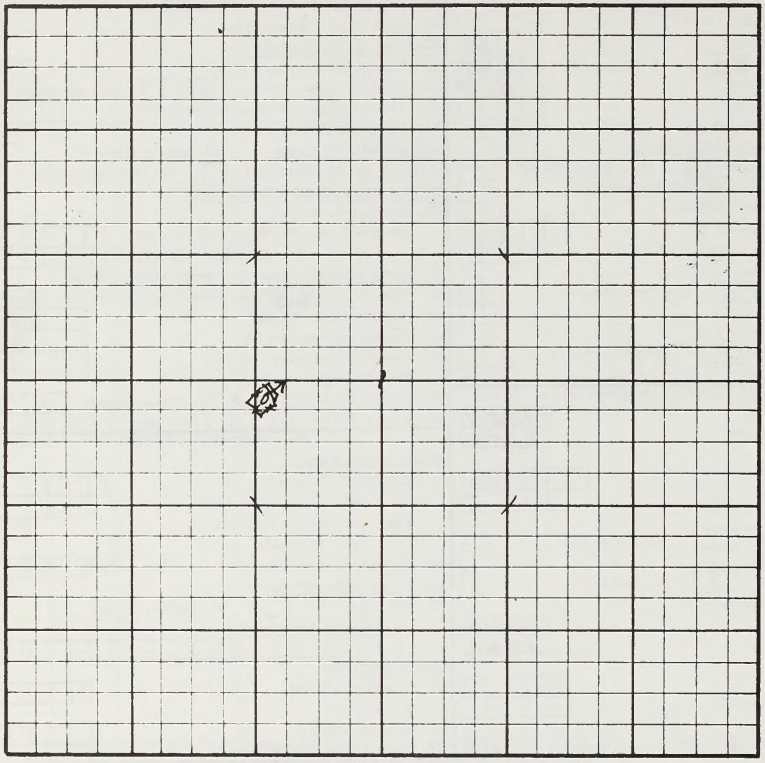
JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

T. 5S. R. 100 W.

Scale 1 inch =

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Modification will consist of digging, boxing and fencing spring to contain all water. Buried pvc line will transport water to tanks. Secondary tank overflow will be piped underground for 150' before being released into streamway. Spigot or other device will be installed in spring box so that potable water can be drawn for use at cabin. Objective of spring modivication is to set troughs on railroad ties. Keep watering site dry so it does not pollute Brush Creek.

Prepared by Douglas McVean	Title	Date
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): 0681 SPRING MODIF

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53)
14. % Slope (54–55)
15. Exposure (56)
16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69)
21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75)
24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6242

UNITS PLANNED

77. Primary (19–24): 1.0
78. Secondary (25–29): 8

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36)
84. Material (37–41): 1000
85. Contract (42–47): 1000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 03

JOB IDENTIFICATION

1. State (2–3): 60
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 5

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 65
63. Primary Species (47–49): 801
64. Animal Months (50–54): 240
65. Number Increase (55–59): 20
66. Pounds Fish Increase (60–64): 10
67. Rare/Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69): 5
69. Hunter (70–73)
70. Other (74–77)

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Concrete spring box	1 ea.		200			
2" pvc pipe	200'		50			
2 tanks (existing at site)		-0-				
barbed wire	1 mi.		350			
steel posts	20 ea.		400			
pads						
contract	1			1000		
						171
TOTALS Materials			1000			
Labor/Equipment				1000		

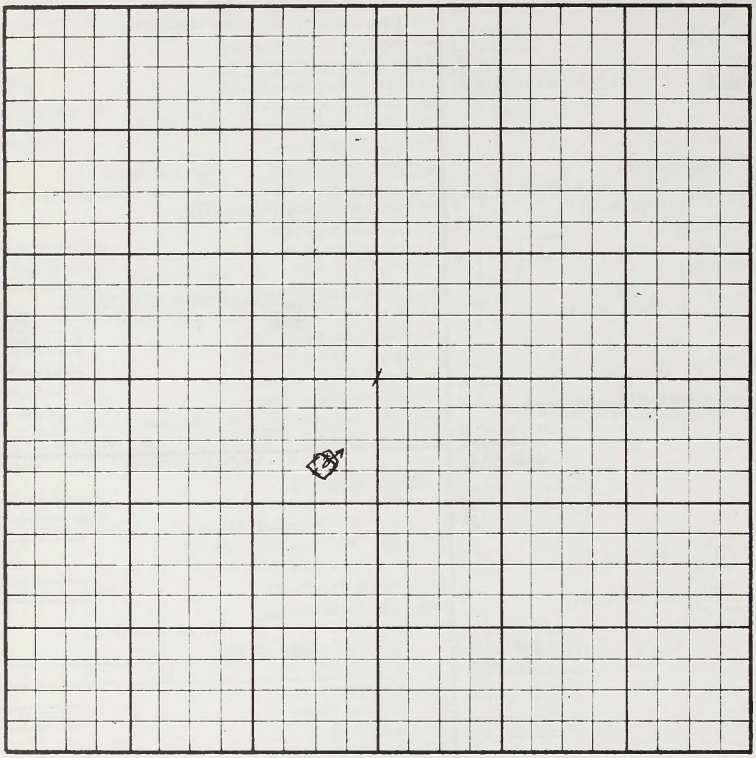
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Modification will consist of digging, boxing and fencing spring to contain all water. Bureied PVC line will transport water to trucks. Secondary tack overflow will be piped under fence to private land. Owner of private land should be contacted to determine if he wishes to bear cost of similar tanks and overflow line on his property. If not, the overflow pipeline will terminate at allotment boundary. Both troughs to be set on concrete ties. Habitat Class: Important; Habitat Condition: Unsatisfactory; Bur. Planning Coverage: MFP (1971) HMP (1976). Public Demand: medium, Special significance:

Spring modification will improve water quality downstream in Brush Cr. imporve livestock distribution and prevent trampling of the spring area.

172

Prepared by	Title	Date
J. Douglas McVean		
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) . . . CO
2. District (4–5) . . . 07
3. Job No. (6–9) . . .
4. Transaction Code (10) . . .

I – GENERAL DESCRIPTION Card 1

5. Job Name (11–30) 4127 SPRING MODIF

LOCATION CODES

6. Special Project Code (31–34) . . .
7. Planning Unit (35–36) . . . 07
8. Sub-Basin (37–38) 62 9. County (39–41) 045
10. Watershed No. (42–44) . . . 007
11. Allotment No. (45–48) . . .
12. Wildlife Habitat Area (49–51) . . .

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53) . . . 14. % Slope (54–55) . . .
15. Exposure (56) . . . 16. Soil Texture (57) . . .
17. Precipitation (inches) (58–59) . . .
18. Elevation (feet) (60–64) . . .
19. Vegetative Subtype (65–67) . . .

COMPOSITION *(Percent)*

20. Grasses (68–69) . . . 21. Forbs (70–71) . . .
22. Browse (72–73) . . .

COVER *(Percent)*

23. Vegetative (74–75) . . . 24. Litter (76–77) . . .
25. Bare Ground (78–79) . . .

II – ANNUAL WORK PLAN INPUT DATA Card 2

75. Subactivity (11–14) . . . 1285
76. Work Job Code (15–18) . . . 6242

UNITS PLANNED

77. Primary (19–24) . . . 1.0
78. Secondary (25–29) . . . 3

TIME OF AWARD

79. Fiscal Year (30–31) . . . 80. Third (32) . . .

TIME OF COMPLETION

81. Fiscal Year (33–34) . . . 82. Third (35) . . .

BLM COST 83. Method (36) . . .

84. Material (37–41) . . . 1000
85. Contract (42–47) . . . 1000

CONTRIBUTED COST

86. Material (48–52) . . .
87. Labor/Equipment (53–57) . . .

MAINTENANCE

88. Responsibility (58) 1 89. Cycle (59–61) 03

III – JOB DETAILS AND BENEFITS Card 3

37. Primary Job Objective (11) . . . 5

PLANT AND PEST CONTROL

39. Chemical (12) . . . 42. Method (13) . . .
45. Mechanical – Method (14) . . .

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) . . .
48. Seedlings/Acre (18–21) . . . 49. Method (22) . . .
51. AUM's Livestock Forage Added (23–26) . . .
52. Future SSF (27–28) . . .

WATERSHED TILLAGE 54. Method (29) . . .

FACILITIES 55. Type (30) . . . 56. Other Misc. (31) . . .

WATER DEVELOPMENT/CONTROL

59. Structure Type (32) . . .

STORAGE (Ac. Ft.) 60. Flood (33–38) . . .
61. Silt (39–44) . . .

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46) 65 63. Primary Species (47–49) 801
64. Animal Months (50–54) . . . 240
65. Number Increase (55–59) . . . 20
66. Pounds Fish Increase (60–64) . . . 10
67. Rare/Endangered (65) . . .

VISITOR DAYS ADDED 68. Fisherman (66–69) . . . 5
69. Hunter (70–73) . . . 70. Other (74–77) . . .

IV – PROGRESS REPORT Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) . . .
91. Secondary (17–21) . . .

TIME 92. Fiscal Year (22–23) . . .
93. Third (24) . . .

94. Contract No. (25–29) . . . CT . . .

CONTRIBUTION DETAIL

95. Agreement (30) . . . 96. Participant (31) . . .
97. Contributor's Name (32–51) . . .

CONTRIBUTIONS

98. Deposited (52–56) . . .

Undeposited

99. Materials (57–61) . . .
100. Labor/Equipment (62–66) . . .

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Concrete spring box			200			
2" pvc pipe	300'		50			
2 tanks (existing at site)	2 ea.	-0-				
& pad			400			
barbed wire	.25 mi.		350			
steel posts	82 ea.					
Construction contract				1000		
						173
TOTALS Materials			1000			
Labor/Equipment				1000		

Form 1630–8 (February 1977)

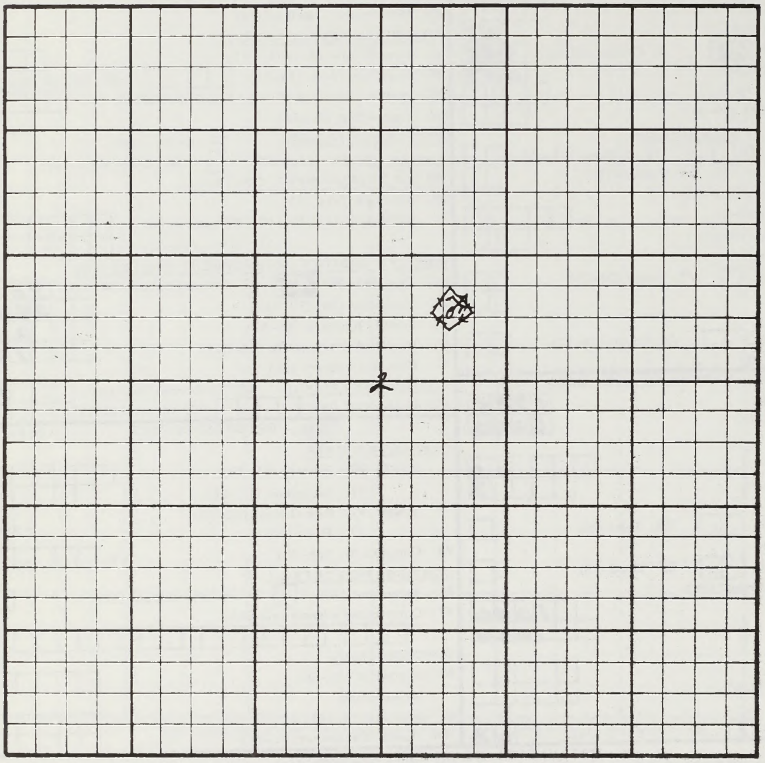
JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

T. 5 S. R. 100 W.

Scale 1 inch = 1/2 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Modification will consist of digging and boxing spring to contain all water. Buried PVC line will transport water to tanks. Secondary tank overflow will be piped 150" downstream before being released into streamway. Both troughs to be set on top of double wide railroad ties.

Prepared by S/ Douglas McVean	Title	Date
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Spring Creek PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 05
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6200
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 20
22. Browse (71–72): 70

COVER *(Percent)*

23. Vegetative (73–74): 30 — 24. Litter (75–76): 10
25. Bare Ground (77–78): 60

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

TS PLANNED

Primary (19–24): 130.0
78. Secondary (25–29): JUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 2860

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): .
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): .5
52. Future SSF (27–28): 45

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 30
65. Number Increase (55–59): 8
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 40 — 70. Other (74–77): 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
P.J. Thinning 130 acres						175
TOTALS Materials						
Labor/Equipment				2860		

Form 1630–8 (November 1972)

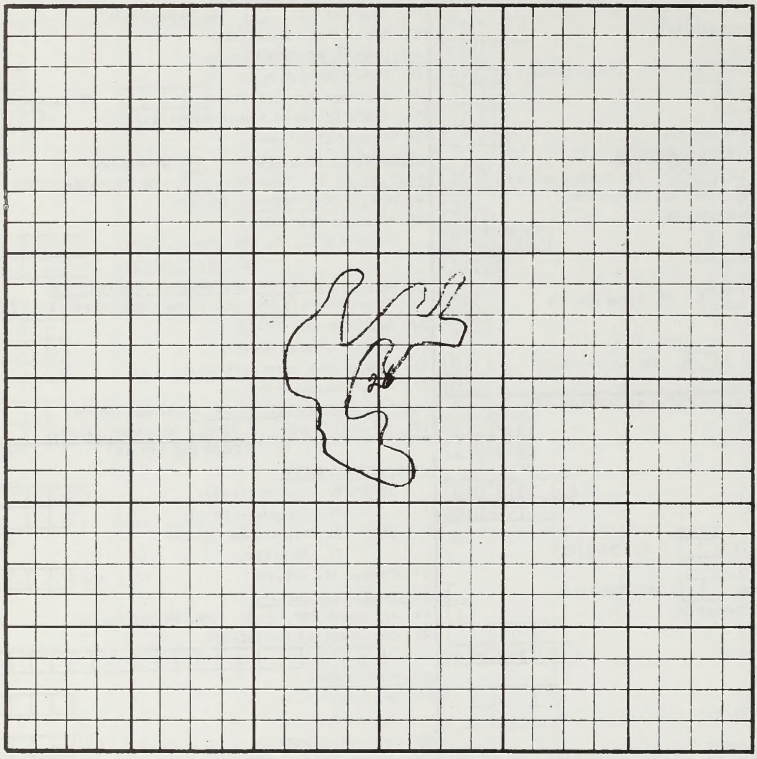
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T. 10 S. R. 99 W.

Scale 1 inch =

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of thinning 130 acres of P-J to increase mule deer forage production.

Habitat Classification: Important

Habitat Condition: Unsatisfactory

Bureau Planning Coverage: MFP (1971) HMP (1975)

Public Demand for Outputs: High

Special Significance:

repared by S/_Douglas McVean	Title Wildlife Biologist	Date 7-75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Spring Creek Seeding

LOCATION CODES

6. Special Project Code (31–34):
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44):
11. Allotment No. (45–47):
12. Wildlife Habitat Area (48–50):

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 5
15. Exposure (55): 2 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 10
18. Elevation (feet) (59–63): 6200
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 20
22. Browse (71–72): 70

COVER *(Percent)*

23. Vegetative (73–74): 30 — 24. Litter (75–76): 10
25. Bare Ground (77–78): 60

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6004

TS PLANNED

... Primary (19–24): 100.0
78. Secondary (25–29): ARTRI

TIME OF AWARD

79. Fiscal Year (30–31): — 80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34): — 82. Third (35):

BLM COST — 83. Method (36): 1

84. Material (37–41): 650
85. Contract (42–47): 500

CONTRIBUTED COST

86. Material (48–52):
87. Labor/Equipment (53–57):

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): 05
2. District (4–5): 07
3. Job No. (6–9):
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12): — 42. Method (13): -
45. Mechanical – Method (14):

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 6.0
48. Seedlings/Acre (18–21): — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 10
52. Future SSF (27–28): 30

WATERSHED TILLAGE — 54. Method (29):

FACILITIES — 55. Type (30): — 56. Other Misc. (31):

WATER DEVELOPMENT/CONTROL

59. Structure Type (32):
STORAGE (Ac. Ft.) 60. Flood (33–38):
61. Silt (39–44):

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 30
65. Number Increase (55–59): 8
66. Pounds Fish Increase (60–64):
67. Rare/Endangered (65):

VISITOR DAYS ADDED — 68. Fisherman (66–69):
69. Hunter (70–73): 40 — 70. Other (74–77): 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21):
TIME 92. Fiscal Year (22–23):
93. Third (24):
94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30): — 96. Participant (31):
97. Contributor's Name (32–51):

CONTRIBUTIONS

98. Deposited (52–56):
Undeposited
99. Materials (57–61):
100. Labor/Equipment (62–66):

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract				$500		
Seed Mixture						
Artr	1 #/ac	4.50				
Atca	1 #/ac	4.00	650			
Forb	1 #/ac	3.00				
Agcr	2 #/ac	1.00				
Agsm	1 #/ac	.70				
						177
TOTALS Materials			650			
Labor/Equipment				$500		

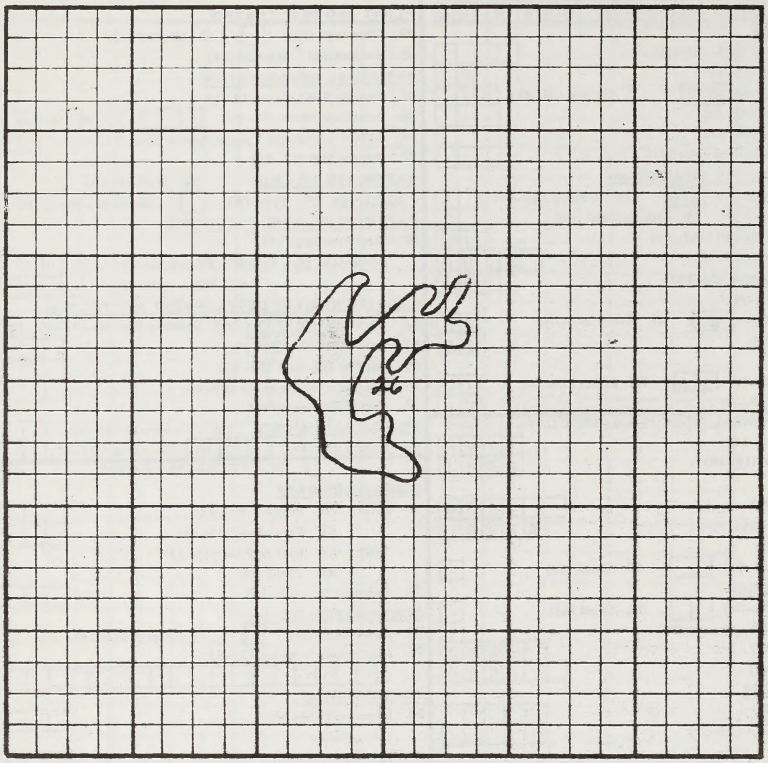
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 10 S. R. 99 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of seeding 100 acres of P-J thinning to increase mule deer winter forage.
Habitat Classification: Important
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance: None

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-19

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Chimney Rock PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 63 14. % Slope (53–54): 10
15. Exposure (55): 3 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 15
18. Elevation (feet) (59–63): 6100
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 5 21. Forbs (69–70): 15
22. Browse (71–72): 80

COVER *(Percent)*

23. Vegetative (73–74): 17 24. Litter (75–76): 22
25. Bare Ground (77–78): 61

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

TS PLANNED

Primary (19–24): 95.0
78. Secondary (25–29): TUSC

TIME OF AWARD

79. Fiscal Year (30–31) 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) 82. Third (35)

BLM COST 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 2850

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 9
52. Future SSF (27–28): 35

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 63. Primary Species (47–49): 103
64. Animal Months (50–54): 95
65. Number Increase (55–59): 18
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)
69. Hunter (70–73): 100 70. Other (74–77): 50

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Thin 95 acre PJ @ $30/acre						
TOTALS Materials						
Labor/Equipment				2850		

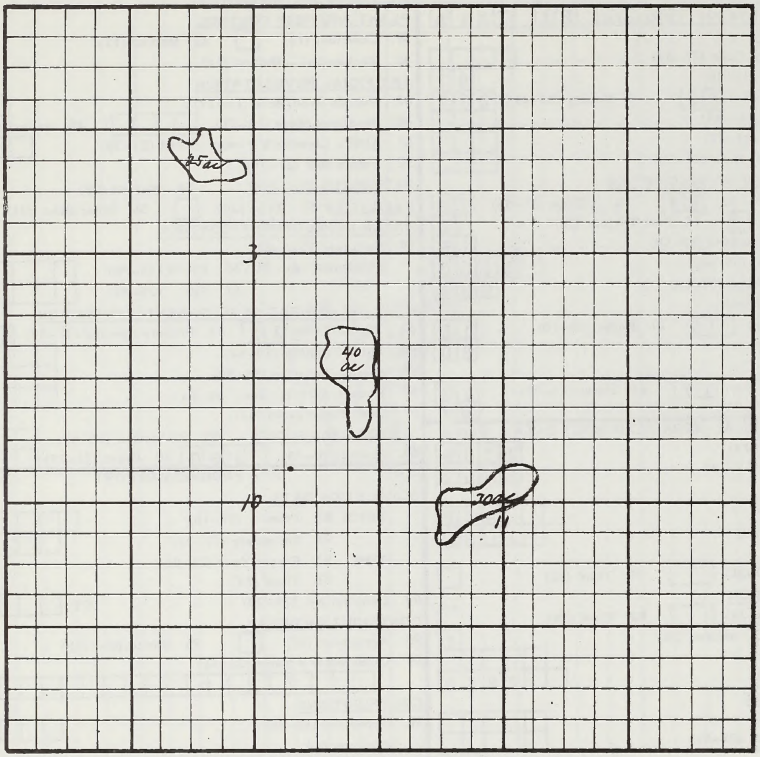
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of 95 acres of PJ thinning to increase mule deer winter forage.
Habitat Classification: Critical
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance: Increased small bird and mammal population will improve feeding habitat for golden eagles and possibly peregrine falcon.

repared by S/_Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-198

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Chimney Rock Seeding

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 63 — 14. % Slope (53–54): 10
15. Exposure (55): 3 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 15
18. Elevation (feet) (59–63): 6100
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 5 — 21. Forbs (69–70): 15
22. Browse (71–72): 80

COVER *(Percent)*

23. Vegetative (73–74): 17 — 24. Litter (75–76): 22
25. Bare Ground (77–78): 61

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6004

TS PLANNED

... Primary (19–24): 950
78. Secondary (25–29): Cemo

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 807
85. Contract (42–47): 475

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 6.0
48. Seedlings/Acre (18–21) — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 5
52. Future SSF (27–28): 25

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 25
65. Number Increase (55–59): 6
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 32 — 70. Other (74–77): 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract (95 ac)						
Seed Mixture						
Actr	1 #/ac	4.50				
Cemo	2 #/ac	6.00				
Atca	1 #/ac	4.00				
Forb	1 #/ac	3.00				
Agsm	1 #/ac	.70				
TOTALS Materials			855			
Labor/Equipment				475		

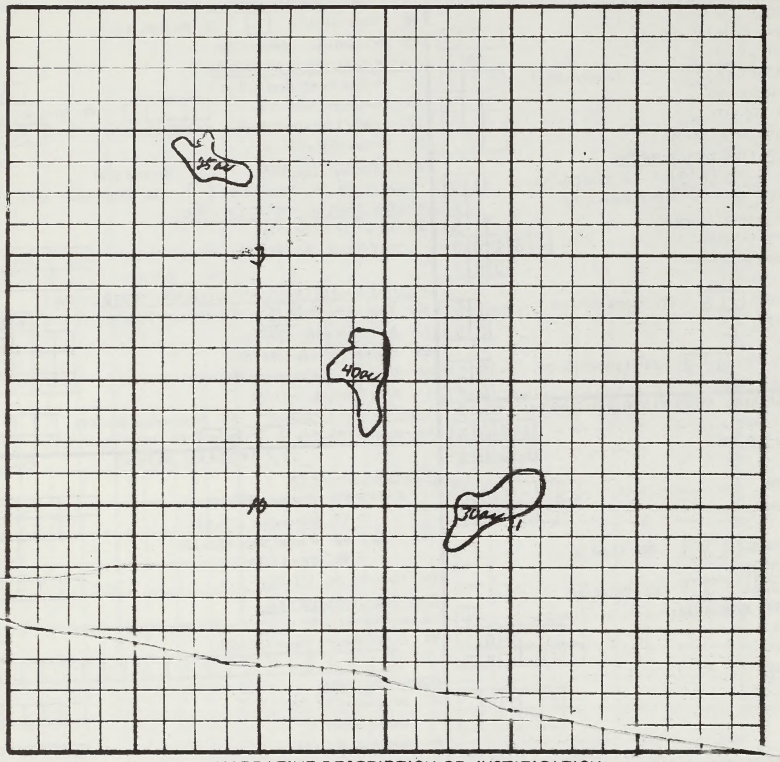
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of seeding 95 acres of critical mule deer winter range to increase forage production.
Habitat Classification: Critical
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVeer	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-195

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Winter Flat Guzzlers

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) — 14. % Slope (53–54)
15. Exposure (55) — 16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION (Percent)

20. Grasses (67–68) — 21. Forbs (69–70)
22. Browse (71–72)

COVER (Percent)

23. Vegetative (73–74) — 24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6245

TS PLANNED

... Primary (19–24): 3.0
78. Secondary (25–29): 1500

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 900
85. Contract (42–47): 1200

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 24 — 63. Primary Species (47–49): 605
64. Animal Months (50–54): 600
65. Number Increase (55–59): 50
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 20 — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Materials Bird Guzzlers (3) and Fence	$300/unit		$900			
Installation Contract	400/unit			$1200		
TOTALS Materials			$900			
Labor/Equipment				$1200		

183

Form 1630–8 (November 1972)

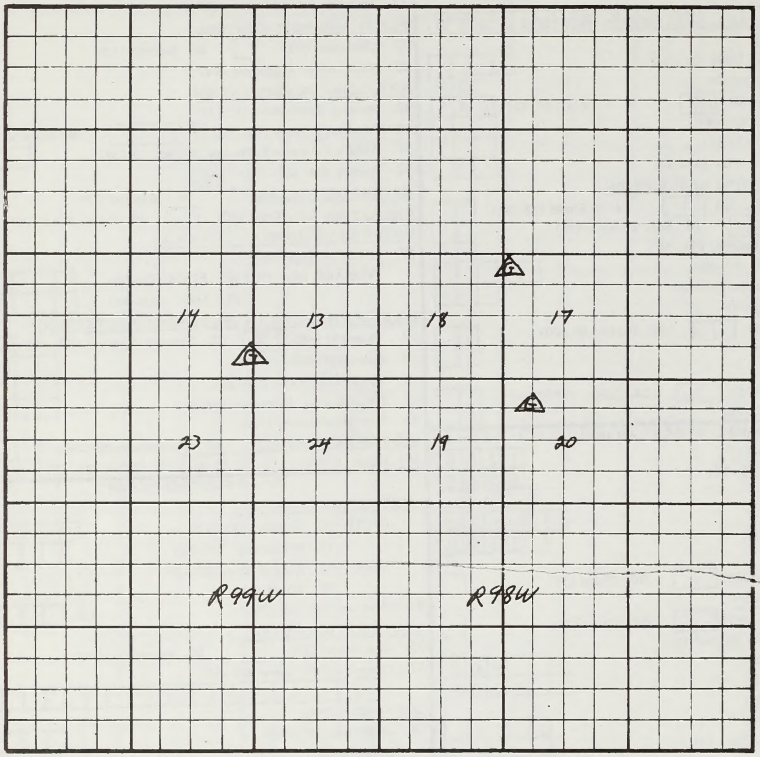
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T. 9 S. R. 9 8 & 9 9 W.

Scale 1 inch = 1 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of installing 3 bird guzzlers to improve sage grouse habitat.
Habitat Classification: Unoccupied
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971)
Public Demand for Outputs: Medium
Special Significance: These watering devices are needed to provide year long water prior to transplanting sage grouse.

repared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-198

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Bowdish Gulch PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 63 — 14. % Slope (53–54): 05
15. Exposure (55): 3 — 16. Soil Texture (56): 4
17. Precipitation (inches) (57–58): 14
18. Elevation (feet) (59–63): 5800
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 2 — 21. Forbs (69–70): 13
22. Browse (71–72): 85

COVER *(Percent)*

23. Vegetative (73–74): 24 — 24. Litter (75–76): 22
25. Bare Ground (77–78): 56

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

TS PLANNED

... Primary (19–24): 80.0
78. Secondary (25–29): JUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 1760

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 4
52. Future SSF (27–28): 45

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 55
65. Number Increase (55–59): 11
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 60 — 70. Other (74–77): 30

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) — CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
P.J. Thinning 80 acres						
TOTALS Materials						
Labor/Equipment						

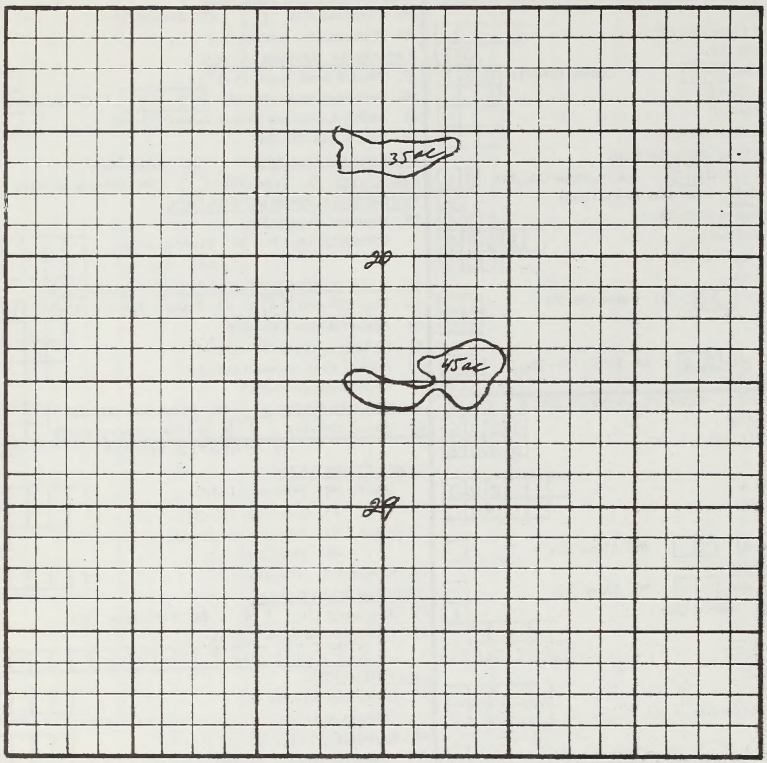
Form 1630–8 (November 1972

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER 9991

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 S. R. 9 7 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of thinning 80 acres of mule deer winter range to increase forage production.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Special Significance: Improve small bird and mammal population on feeding area for golden eagle and possibly peregrine falcon.
Public Demand for Outputs: High

repared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 863-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Bowdish Gulch Seed

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 63 — 14. % Slope (53–54): 05
15. Exposure (55): 3 — 16. Soil Texture (56): 4
17. Precipitation (inches) (57–58): 14
18. Elevation (feet) (59–63): 5800
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 2 — 21. Forbs (69–70): 13
22. Browse (71–72): 85

COVER *(Percent)*

23. Vegetative (73–74): 24 — 24. Litter (75–76): 22
25. Bare Ground (77–78): 56

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6004

UNITS PLANNED

Primary (19–24): 35.0
78. Secondary (25–29): Cemo

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 294
85. Contract (42–47): 17.5

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10)

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 7.0
48. Seedlings/Acre (18–21) — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 4
52. Future SSF (27–28): 30

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 25
65. Number Increase (55–59): 6
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 32 — 70. Other (74–77): 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Seeding Contract				175		
Seed Mixture						
Artr	1 #/ac	4.50				
Cemo	2 #/ac	6.00	294			
Forb	2 #/ac	6.00				
Ager	1 #/ac	.50				
Agsm	1 #/ac	.70				
						183
TOTALS Materials			294			
Labor/Equipment				175		

Form 1630–8 (November 1972)

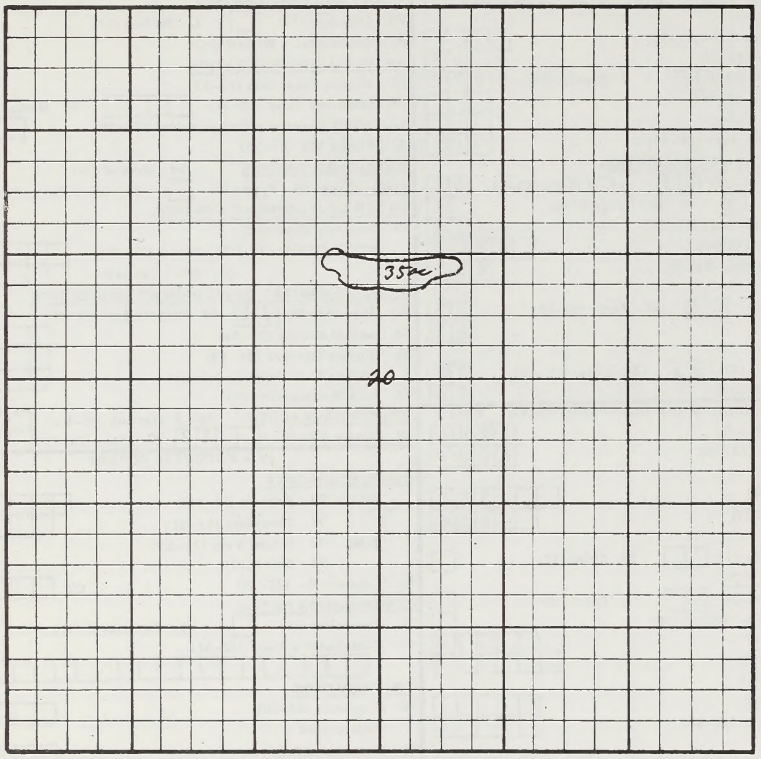
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T. 7 S. R. 9 7 W.

Scale 1 inch = 1/2 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of seeding 35 acres of PJ thinning to increase mule deer forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Special Significance:
Public Demand for Outputs: High

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/7
Approved by	Title	Date

GPO 853

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Brush Mtn Reservoir

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52)
14. % Slope (53–54)
15. Exposure (55)
16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68)
21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74)
24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6241

TS PLANNED

Primary (19–24): 10
78. Secondary (25–29): 4000

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST 83. Method (36): 1

84. Material (37–41): 750
85. Contract (42–47): 2600

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32): 2
STORAGE (Ac. Ft.) 60. Flood (33–38): 10
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45
63. Primary Species (47–49): 501
64. Animal Months (50–54): 80
65. Number Increase (55–59): 25
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 50
70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Reservoir Construction				2000		
Fence Construction ½ Mile				600		
Fence Materials			500			
120 steel posts						
30 wood posts						
6 spools barbed wire						
2 spools smooth wire						
pe, valve, trough & rock crib			250			
TOTALS Materials			750			
Labor/Equipment				2600		

189

Form 1630–8 (November 1972)

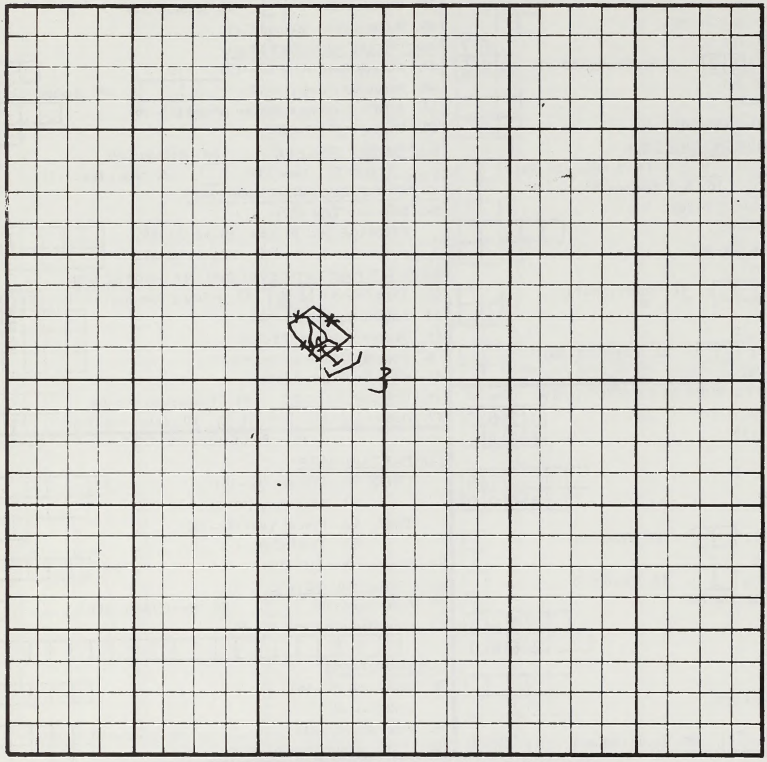
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

-61

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 1 0 0 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will create nesting and feeding habitat for waterfowl and provide water and brooding area for sage and blue grouse.
Habitat Classification: Non-existent
Habitat Condition: NA
Bureau Planning Coverage: MFP (1971) HMP (1975)
Special Significance:
Public Demand for Outputs: High

repared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853 - 196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Brush Beat Reservoir

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) — 14. % Slope (53–54)
15. Exposure (55) — 16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION (*Percent*)

20. Grasses (67–68) — 21. Forbs (69–70)
22. Browse (71–72)

COVER (*Percent*)

23. Vegetative (73–74) — 24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6241

TS PLANNED

77. Primary (19–24): 10.
78. Secondary (25–29): 2000

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 800
85. Contract (42–47): 2000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) .
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32): 2
STORAGE (Ac. Ft.) 60. Flood (33–38): 4
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45 — 63. Primary Species (47–49): 501
64. Animal Months (50–54): 50
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 20 — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Reservoir Construction				2000		
Fence Contract (½ mile)				600		
Fence Materials			800			
120 Steel Posts						
30 Wood Posts						
6 Barbed Wire						
2 Smooth Wire						
Pipe, Valve, Trough Rock Crib						141
TOTALS Materials			800			
Labor/Equipment				2600		

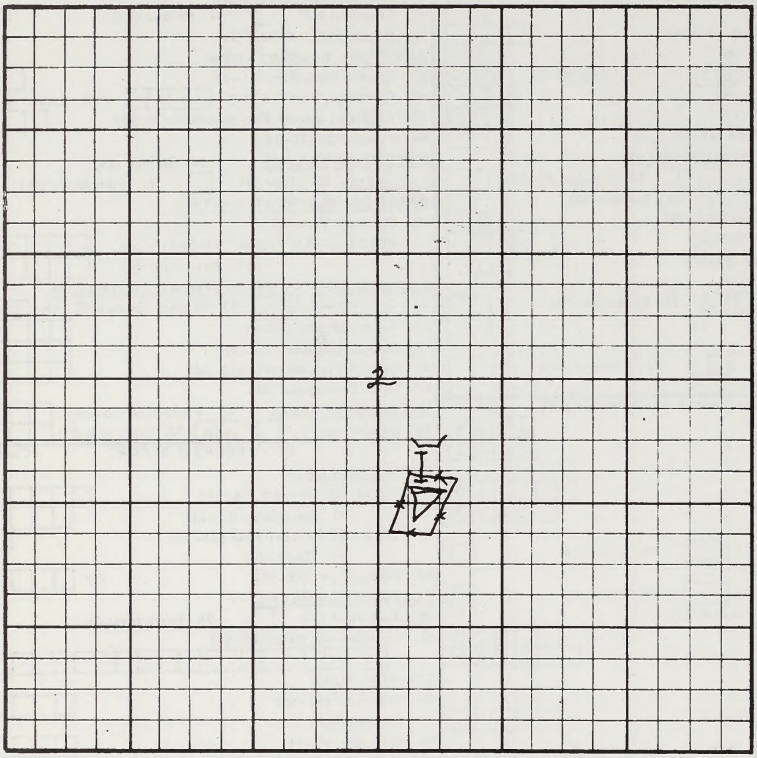
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 1 0 0 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will create nesting and feeding habitat for waterfowl and provide water and brood habitat for sage and blue grouse.
Habitat Classification: Non-existent
Habitat Condition: NA
Bureau Planning Coverage: MFP (1971) HMP (1975)
Special Significance:
Public Demand for Outputs: High

repared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853 - 196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Carr Creek Reservoir

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) — 14. % Slope (53–54)
15. Exposure (55) — 16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68) — 21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74) — 24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6241

TS PLANNED

... Primary (19–24): 10
78. Secondary (25–29): 16000

TIME OF APPLICATION

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35): 1

BLM COST — 83. Method (36): 1

84. Material (37–41): 800
85. Contract (42–47): 8000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32): 2
STORAGE (Ac. Ft.) 60. Flood (33–38): 15
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45 — 63. Primary Species (47–49): 501
64. Animal Months (50–54): 80
65. Number Increase (55–59): 20
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 40 — 70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) — CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Reservoir Construction (5 acres)				8000		
Fence materials			800			
120 posts						
30 wood posts						
6 spools barbed wire						
2 spools smooth wire						
nce Construction (½ mile)				600		
						193
TOTALS Materials			800			
Labor/Equipment				8600		

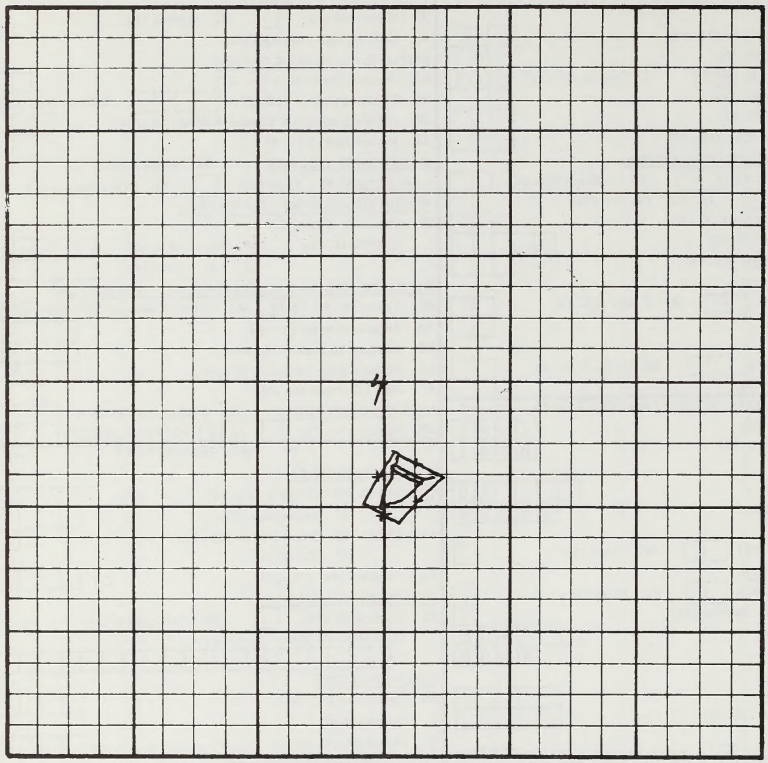
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 1 0 0 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Construction of a detention dam and fencing will create a 5 acre pond for waterfowl nesting and feeding and water for blue grouse and deer.
Habitat Classification: Non-existent
Habitat Condition: NA
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

repared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Talter Hills PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 68 — 14. % Slope (53–54): 15
15. Exposure (55): 1 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 16
18. Elevation (feet) (59–63): 6100
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 30
22. Browse (71–72): 60

COVER *(Percent)*

23. Vegetative (73–74): 15 — 24. Litter (75–76): 17
25. Bare Ground (77–78): 68

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

UNITS PLANNED

Primary (19–24): 145.0
78. Secondary (25–29): TUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 3190

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 10
52. Future SSF (27–28): 45

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 80
65. Number Increase (55–59): 16
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 100 — 70. Other (74–77): 35

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
PJ Thinning 145 acres						195
TOTALS Materials						
Labor/Equipment				3190		

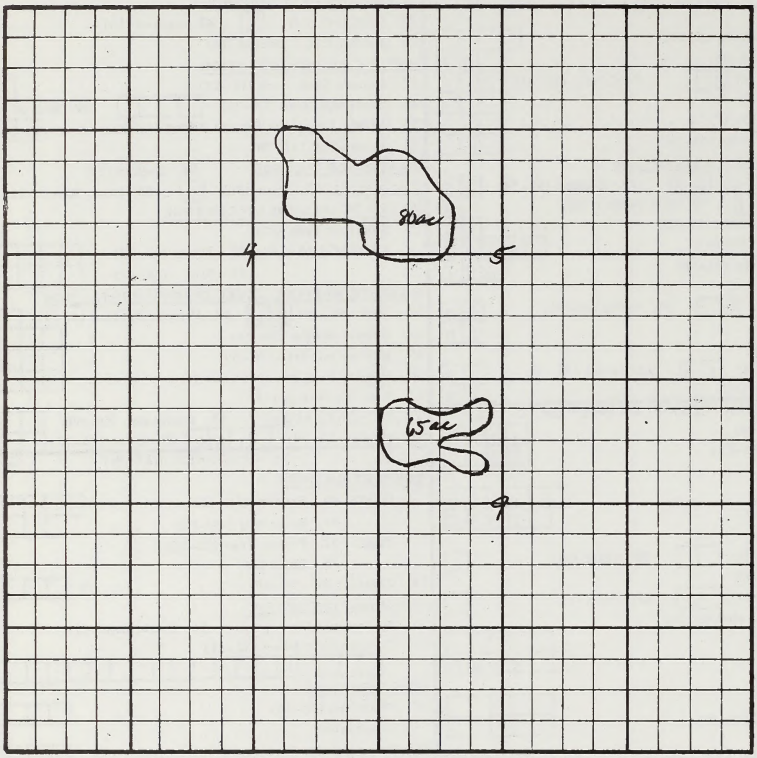
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist on thinning 145 acres of PJ to improve mule deer winter forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): ROADER CORRIDOR FENCE

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53)
14. % Slope (54–55)
15. Exposure (56)
16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69)
21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75)
24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6448

UNITS PLANNED

77. Primary (19–24): 75
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36)
84. Material (37–41): 10500
85. Contract (42–47): 12000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): 02
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed Acre (15–17)
48. Seedlings Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE
54. Method (29)

FACILITIES 55. Type (30): 2
56. Other Misc. (31)

WATER DEVELOPMENT CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT PROTECTION

62. Type (45–46): 62
63. Primary Species (47–49): 801
64. Animal Months (50–54): 6000
65. Number Increase (55–59): 500
66. Pounds Fish Increase (60–64): 250
67. Rare Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69): 75
69. Hunter (70–73): 50
70. Other (74–77)

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Fence material 7½ miles	mile		10,500			
Fence construction	miles			12,000		
						147
TOTALS Materials			10,500			
Labor/Equipment				12,000		

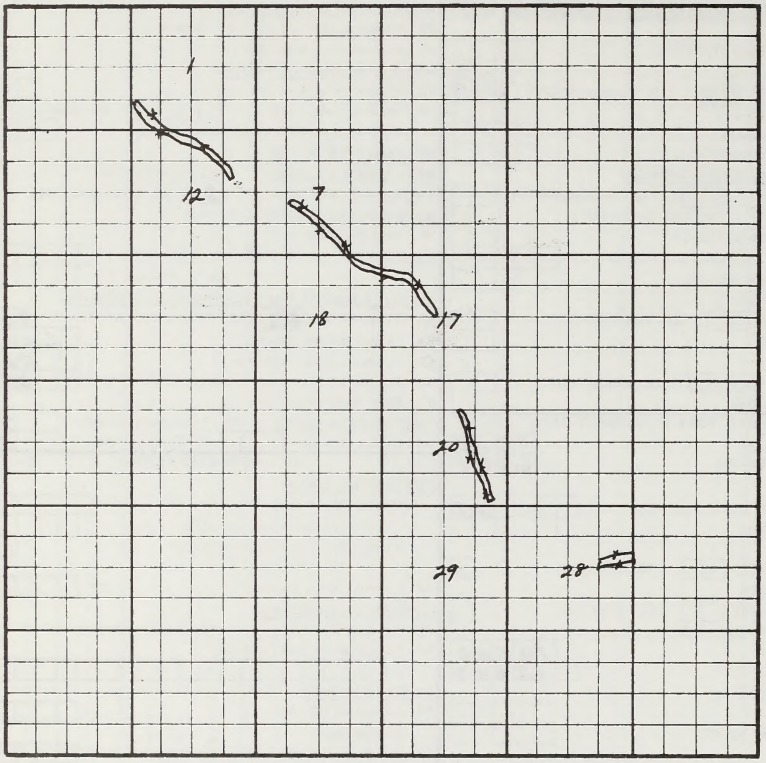
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1 Mile

T. 6 S R. 100 & 101 Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The project will consist of fencing 3½ miles of Roan Creek to exclude livestock grazing.
Habitat Class: Critical
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP (1976) MFP (1971) URA (1969)
Special Significance: Improved riparian habitat will increase shore bird, songbird and beaver use. Potentially within hunting territory of peregrine falcon.

Prepared by S/ Douglas McVean	Title	Date
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): RANCH PLANT ANDSCP

LOCATION CODES

6. Special Project Code (31–34):
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44):
11. Allotment No. (45–48):
12. Wildlife Habitat Area (49–51):

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53): 55 — 14. % Slope (54–55): 5
15. Exposure (56): — 16. Soil Texture (57): 2
17. Precipitation (inches) (58–59): 18
18. Elevation (feet) (60–64): 7300
19. Vegetative Subtype (65–67):

COMPOSITION (*Percent*)

20. Grasses (68–69): 55 — 21. Forbs (70–71): 35
22. Browse (72–73): 10

COVER (*Percent*)

23. Vegetative (74–75): 28 — 24. Litter (76–77): 25
25. Bare Ground (78–79): 47

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

UNITS PLANNED

77. Primary (19–24): 40.0
78. Secondary (25–29):

TIME OF AWARD

79. Fiscal Year (30–31): — 80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34): — 82. Third (35):

BLM COST — 83. Method (36):

84. Material (37–41): 416
85. Contract (42–47): 1400

CONTRIBUTED COST

86. Material (48–52):
87. Labor/Equipment (53–57):

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): 20
2. District (4–5): 07
3. Job No. (6–9):
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12): — 42. Method (13):
45. Mechanical – Method (14):

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 100
48. Seedlings/Acre (18–21): 63 — 49. Method (22): 2
51. AUM's Livestock Forage Added (23–26):
52. Future SSF (27–28):

WATERSHED TILLAGE — 54. Method (29):

FACILITIES 55. Type (30): — 56. Other Misc. (31):

WATER DEVELOPMENT/CONTROL

59. Structure Type (32):

STORAGE (Ac. Ft.) 60. Flood (33–38):
61. Silt (39–44):

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 65 — 63. Primary Species (47–49): 801
64. Animal Months (50–54): 1200
65. Number Increase (55–59): 100
66. Pounds Fish Increase (60–64): 60
67. Rare/Endangered (65):

VISITOR DAYS ADDED — 68. Fisherman (66–69): 20
69. Hunter (70–73): — 70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16):
91. Secondary (17–21):

TIME 92. Fiscal Year (22–23):
93. Third (24):

94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30): — 96. Participant (31):
97. Contributor's Name (32–51):

CONTRIBUTIONS

98. Deposited (52–56):
Undeposited
99. Materials (57–61):
100. Labor/Equipment (62–66):

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
willow root stock (2000)	plant	.20		400		
Water birch root stock (500)	plant	2.00		1000		
Grass & Forb seed	acre	10.40	$416			
Seeding 8 miles (10 lbs/acre)	MM	1500		(400)		
planting	MM	1500		(1500)		
						145
TOTALS Materials			416			
Labor/Equipment				1400		

Form 1630–8 (February 1977)

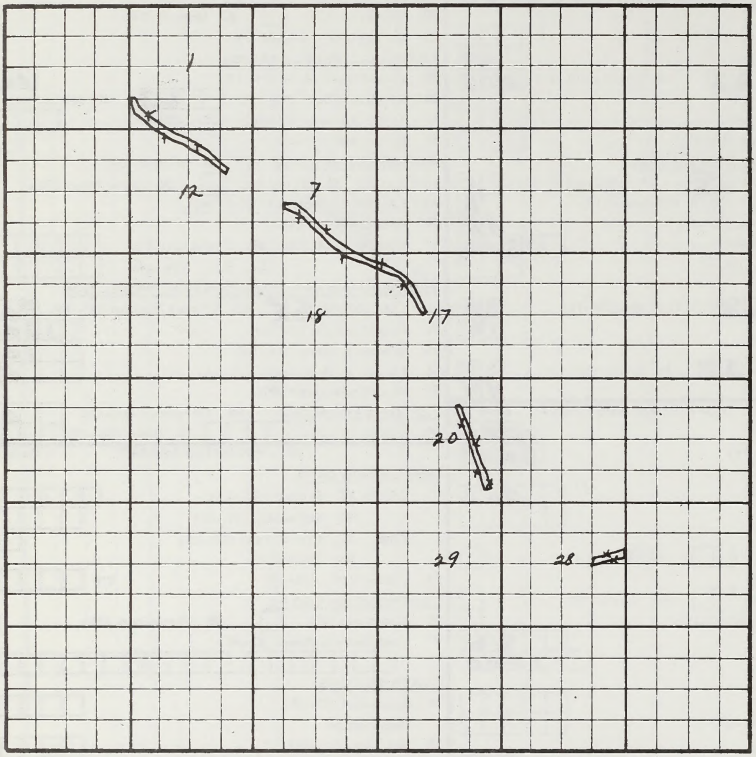
JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

T. 6 S R. 100 & 101

Scale 1 inch = 1 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The project will consit of planting and seeding 40 acres along Roan Cr. to increase woody vegetation and streambank cover for trout habitat.

Habitat class: Critical

Habitat Condition: Unsatisfactory

Bur. Planning Coverage: HMP (1976) MFP(1971) URA (1969)

Special Significance: A large number of birds and small mammals will also benefit. This area is within potential peregrine falcon hunting territory.

235

Prepared by	Title	Date
C/ Douglas McVean		
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) 20
2. District (4–5) 05
3. Job No. (6–9) . . . . . .
4. Transaction Code (10) . . . . . .

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) ROUNCREEK STRUCTURES

LOCATION CODES

6. Special Project Code (31–34) . . . . . .
7. Planning Unit (35–36) 07
8. Sub-Basin (37–38) 62 9. County (39–41) 077
10. Watershed No. (42–44) . . . . . .
11. Allotment No. (45–48) . . . . . .
12. Wildlife Habitat Area (49–51) . . . . . .

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53) . . 14. % Slope (54–55) . .
15. Exposure (56) . 16. Soil Texture (57) . . . .
17. Precipitation (inches) (58–59) . . . . . .
18. Elevation (feet) (60–64) . . . . . .
19. Vegetative Subtype (65–67) . . . . . .

COMPOSITION *(Percent)*

20. Grasses (68–69) . . 21. Forbs (70–71) . . . .
22. Browse (72–73) . . . . . .

COVER *(Percent)*

23. Vegetative (74–75) . . 24. Litter (76–77) . . .
25. Bare Ground (78–79) . . . . . .

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 1285
76. Work Job Code (15–18) 6011

ITS PLANNED

77. Primary (19–24) 3.0
78. Secondary (25–29) . . . . . .

TIME OF AWARD

79. Fiscal Year (30–31) . . 80. Third (32) . . . .

TIME OF COMPLETION

81. Fiscal Year (33–34) . . 82. Third (35) . . . .

BLM COST 83. Method (36) . . . . . .

84. Material (37–41) 1500
85. Contract (42–47) . . . . . .

CONTRIBUTED COST

86. Material (48–52) . . . . . .
87. Labor/Equipment (53–57) . . . . . .

MAINTENANCE

88. Responsibility (58) 1 89. Cycle (59–61) 03

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12) . 42. Method (13) . . . . .
45. Mechanical – Method (14) . . . . . .

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) . . . . . .
48. Seedlings/Acre (18–21) . . . . 49. Method (22) . .
51. AUM's Livestock Forage Added (23–26) . . . .
52. Future SSF (27–28) . . . . . .

WATERSHED TILLAGE 54. Method (29) . . . .

FACILITIES 55. Type (30) . 56. Other Misc. (31) .

WATER DEVELOPMENT/CONTROL

59. Structure Type (32) 9
STORAGE (Ac. Ft.) 60. Flood (33–38) 0
61. Silt (39–44) 0

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46) 66 63. Primary Species (47–49) 801
64. Animal Months (50–54) 9000
65. Number Increase (55–59) 750
66. Pounds Fish Increase (60–64) 375
67. Rare/Endangered (65) . . . . . .

VISITOR DAYS ADDED 68. Fisherman (66–69) . . 125
69. Hunter (70–73) . . . . 70. Other (74–77) . . 50

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) . . . . . .
91. Secondary (17–21) . . . . . .
TIME 92. Fiscal Year (22–23) . . . . . .
93. Third (24) . . . . . .
94. Contract No. (25–29) . . . . . CT

CONTRIBUTION DETAIL

95. Agreement (30) . 96. Participant (31) . . .
97. Contributor's Name (32–51) . . . . . .

CONTRIBUTIONS

98. Deposited (52–56) . . . . . .
Undeposited
99. Materials (57–61) . . . . . .
100. Labor/Equipment (62–66) . . . . . .

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Log-sill Dams (75)	ea.	$75	750	($5625)		
Installation (75)	ea.	1/20 MM				
Log-wing structures (75)	ea.	10	750			
Installation (75)	ea.	1/20 MM		(5,625)		
						201
TOTALS Materials			1500			
Labor/Equipment						

Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch =

T. R. Meridian

See Roan Cr. Corridor Fence IDR for General location

VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Log sills and wing dams will increase pool area and improve quality of pools and riffles on 3 miles at Roan Creek for trout.

Habitat Class: Critical

Habitat Condition: Unsatisfactory

Bur. Planning Coverage: HMP (1976) MFP (1971); URA (1969)

Special Significance:

Prepared by	Title	Date
207 S/ Douglas McVean		
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): ROAN CREEK FISH SCREEN

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53) — 14. % Slope (54–55)
15. Exposure (56) — 16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69) — 21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75) — 24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6011

ITS PLANNED

77. Primary (19–24): .1
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36)

84. Material (37–41): 1000
85. Contract (42–47): 500

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 01

JOB IDENTIFICATION

1. State (2–3): 00
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10)

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 66 — 63. Primary Species (47–49): 801
64. Animal Months (50–54): 480
65. Number Increase (55–59): 40
66. Pounds Fish Increase (60–64): 20
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69): 10
69. Hunter (70–73) — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) — CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS		BLM COSTS		COOPERATOR COSTS	
	EA. MILE, ETC. (b)	COST (c)	MATERIALS (d)	CONTRACT (e)	MATERIALS (f)	LABOR (g)
Irrigation diversion - self-cleaning fish screen Installation			1000	500		203
TOTALS Materials			1000			
Labor/Equipment				500		

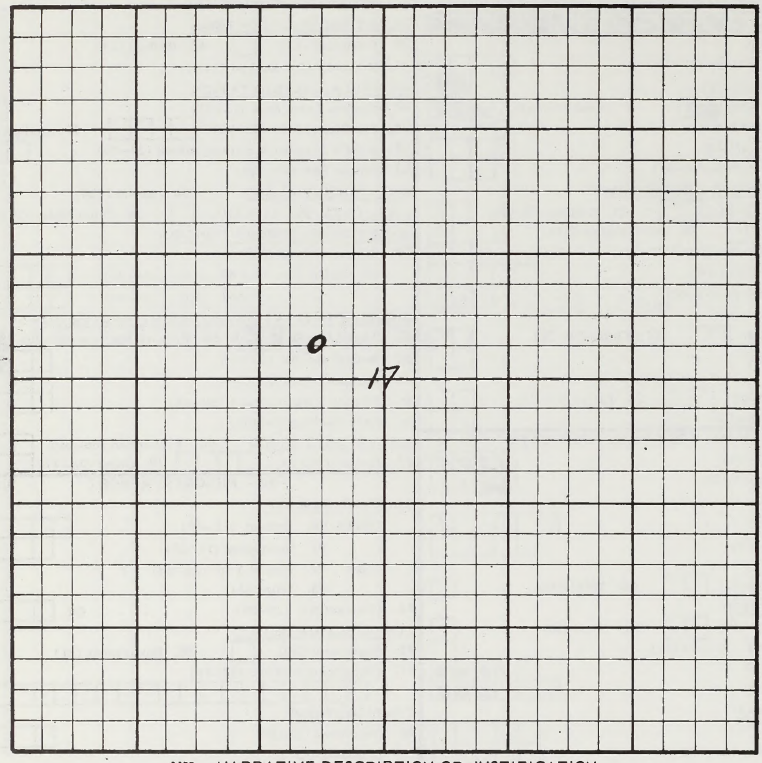
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 MILE

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

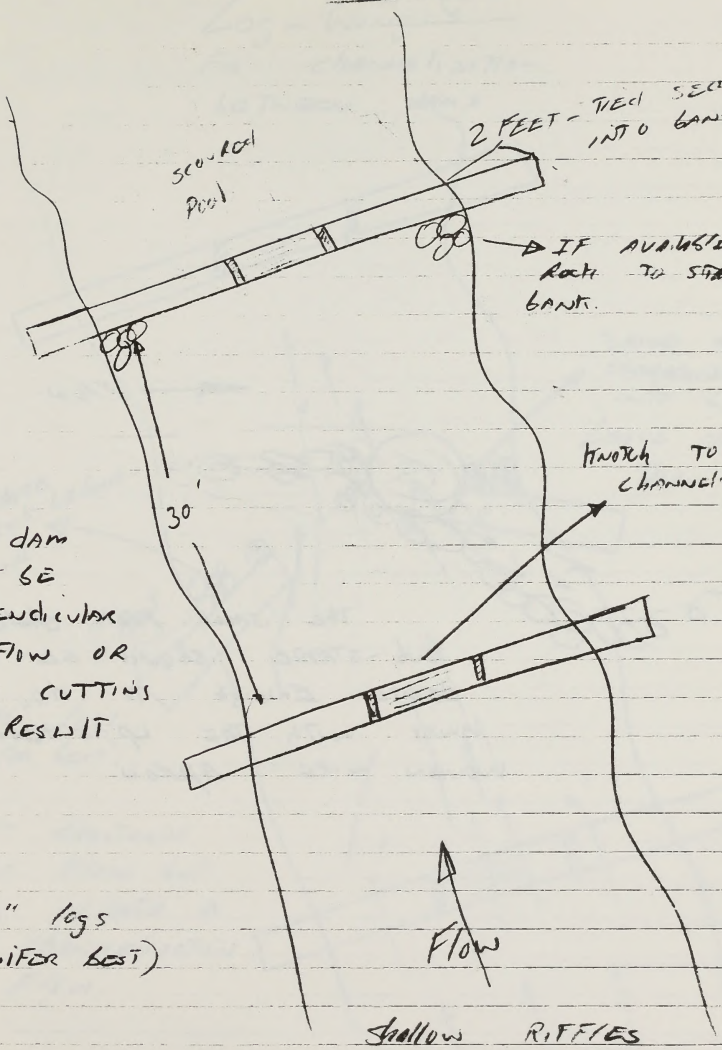
A self-cleaning fish screen is required on an irrigation diversion to eliminate the loss of fish on flood irrigated fields.
Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP (1976) MFP (1971) URA (1969)
Special Significance:

204

Prepared by S/_Douglas McVaan	Title	Date
Approved by	Title	Date

GPO 839-264

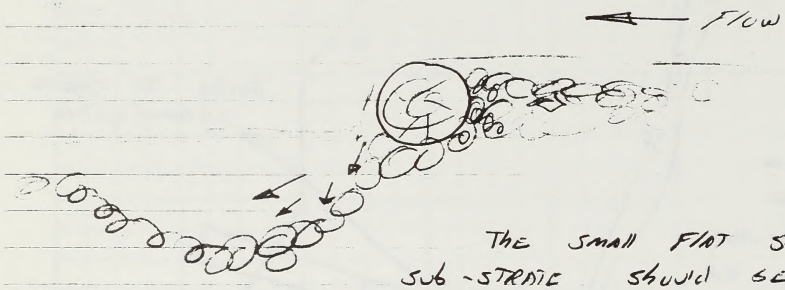
Log - dam



LOG DAM MUST BE PERPENDICULAR TO FLOW OR BANK CUTTING WILL RESULT

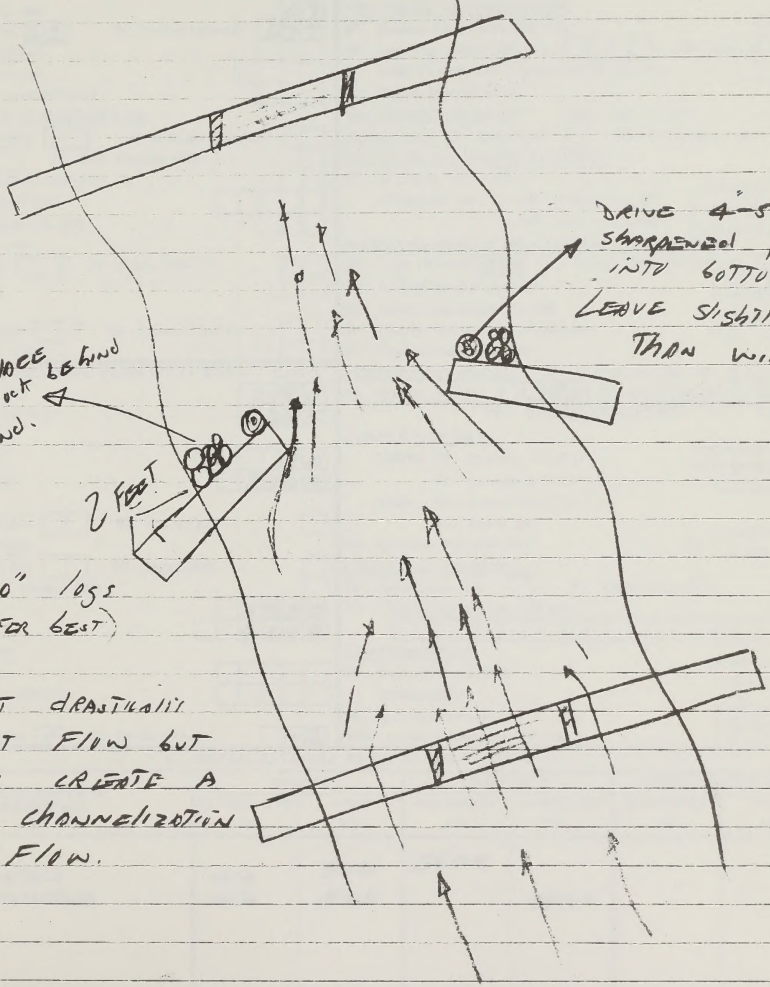
9-10" logs (CONIFER BEST)

Log-dam



The small flat shale sub-strate should be dense enough to do away with the up-stream woven wire apron.

Log - Wings
For channelization between dams



9"-10" logs
(conifer best)

Don't drastically restrict flow but rather create a slight channelization of flow.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION (Card 1)

5. Job Name (11–30): MULE DEER GUZZLERS

LOCATION CODES

6. Special Project Code (31–34):
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44):
11. Allotment No. (45–48):
12. Wildlife Habitat Area (49–51):

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53):
14. % Slope (54–55):
15. Exposure (56):
16. Soil Texture (57):
17. Precipitation (inches) (58–59):
18. Elevation (feet) (60–64):
19. Vegetative Subtype (65–67):

COMPOSITION (Percent)

20. Grasses (68–69):
21. Forbs (70–71):
22. Browse (72–73):

COVER (Percent)

23. Vegetative (74–75):
24. Litter (76–77):
25. Bare Ground (78–79):

II – ANNUAL WORK PLAN INPUT DATA (Card 2)

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6245

UNITS PLANNED

77. Primary (19–24): 80
78. Secondary (25–29): 8000

TIME OF AWARD

79. Fiscal Year (30–31):
80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34):
82. Third (35):

BLM COST

83. Method (36):
84. Material (37–41): 5600
85. Contract (42–47): 4000

CONTRIBUTED COST

86. Material (48–52):
87. Labor/Equipment (53–57):

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9):
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS (Card 3)

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12):
42. Method (13):
45. Mechanical – Method (14):

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17):
48. Seedlings/Acre (18–21):
49. Method (22):
51. AUM's Livestock Forage Added (23–26):
52. Future SSF (27–28):

WATERSHED TILLAGE

54. Method (29):

FACILITIES

55. Type (30):
56. Other Misc. (31):

WATER DEVELOPMENT/CONTROL

59. Structure Type (32):

STORAGE (Ac. Ft.)

60. Flood (33–38):
61. Silt (39–44):

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 24
63. Primary Species (47–49): 103
64. Animal Months (50–54): 560
65. Number Increase (55–59): 80
66. Pounds Fish Increase (60–64):
67. Rare/Endangered (65):

VISITOR DAYS ADDED

68. Fisherman (66–69):
69. Hunter (70–73): 240
70. Other (74–77): 150

IV – PROGRESS REPORT (Card 4)

COMPLETION DATA

UNITS
90. Primary (11–16):
91. Secondary (17–21):

TIME
92. Fiscal Year (22–23):
93. Third (24):

94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30):
96. Participant (31):
97. Contributor's Name (32–51):

CONTRIBUTIONS

98. Deposited (52–56):
Undeposited
99. Materials (57–61):
100. Labor/Equipment (62–66):

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Guzzler Materials	each	700	5600			
Guzzler Installation	each	500		4000		
						208-
TOTALS Materials			5600			
Labor/Equipment				4000		

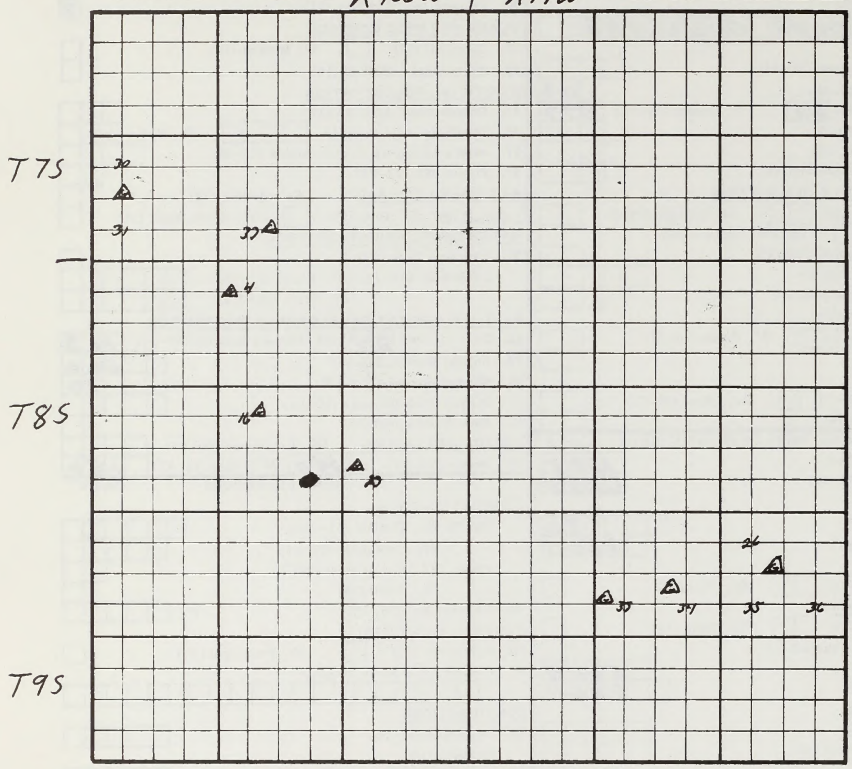
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 2 Miles

T. R. R 100 W | R 99 W Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of installing 8 big game guzzlers to improve mule deer water distribution on summer range

Habitat Class: Improtant

Habitat Condition: Unsatisfactory

Bur. Planning Coverage: HMP (1976) MFP (1971) URA (1969)

Hunter Demand: High

Special Significance: A large number of game and non-game species will also benefit.

209-B

Prepared by S/ Douglas McVean	Title	Date
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Monument Rock Thinning

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 08
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6200
19. Vegetative Subtype (64–66): 091

COMPOSITION (Percent)

20. Grasses (67–68): 10 — 21. Forbs (69–70): 20
22. Browse (71–72): 70

COVER (Percent)

23. Vegetative (73–74): 30 — 24. Litter (75–76): 15
25. Bare Ground (77–78): 55

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

TS PLANNED

... Primary (19–24): 4800
78. Secondary (25–29): TUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 10560

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): .
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 24
52. Future SSF (27–28): 45

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 20
65. Number Increase (55–59): 5
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 15 — 70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Thinning 480 acres						211
TOTALS Materials						
Labor/Equipment				10,560		

Form 1630–8 (November 1972)

JOB IDENTIFICATION | STATE C O | DISTRICT 0 7 | JOB NUMBER

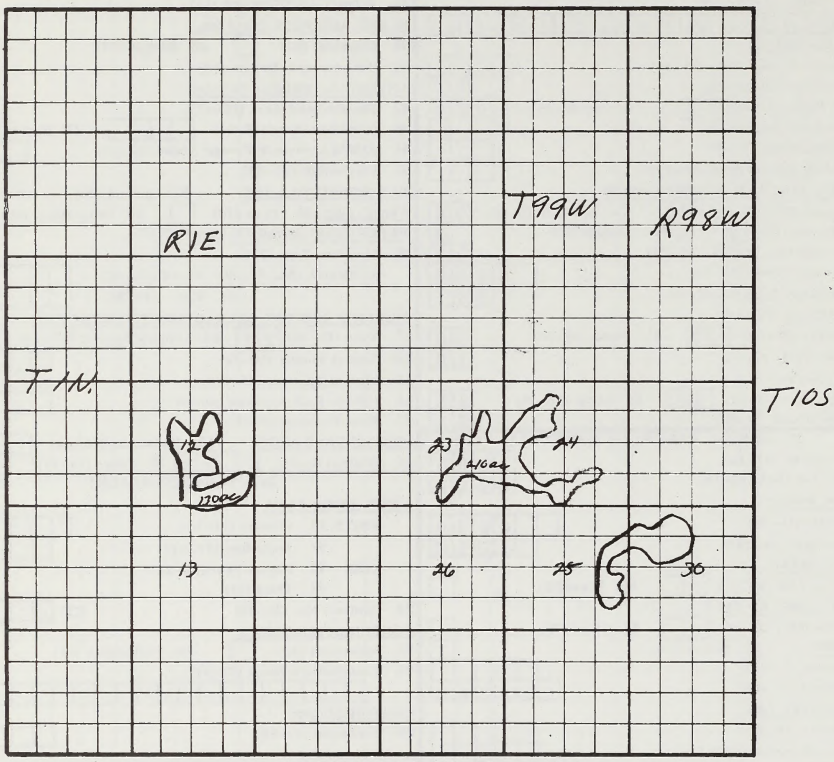
VI – LOCATION PLAT

T. 1 N., R. 1 E.

T. 1 0 S. R. 9 8 & 9 9 W.

Scale 1 inch = 1 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of thinning 480 acres of PJ to increase mule deer winter forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Monument Rock Seeding

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 6.2
9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60
14. % Slope (53–54): 08
15. Exposure (55): 2
16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6200
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10
21. Forbs (69–70): 20
22. Browse (71–72): 70

COVER *(Percent)*

23. Vegetative (73–74): 30
24. Litter (75–76): 15
25. Bare Ground (77–78): 55

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

'TS PLANNED

... Primary (19–24): 4800
78. Secondary (25–29): ATCA

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41): 4080
85. Contract (42–47): 2400

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 6.0
48. Seedlings/Acre (18–21)
49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 12
52. Future SSF (27–28): 35

WATERSHED TILLAGE

54. Method (29)

FACILITIES 55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21
63. Primary Species (47–49): 103
64. Animal Months (50–54): 25
65. Number Increase (55–59): 6
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69)
69. Hunter (70–73): 32
70. Other (74–77): 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract		$4.50/#				
Seed Mixture						
Artr	1 lb/ac		4080			
Atca	2 lb/ac	8.00				
Agcr	1 lb/ac	.50				
Forb	1 lb/ac	3.00				
Agsm	1 lb/ac	.70				
						213
TOTALS Materials			4080			
Labor/Equipment				2400		

Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

n 12

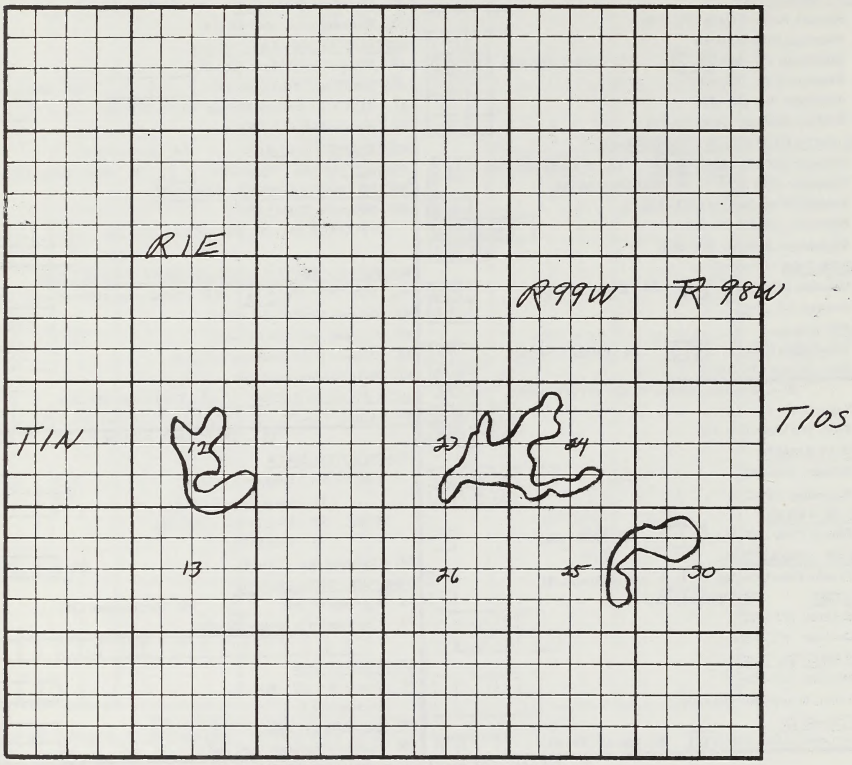
VI – LOCATION PLAT

T. 1 N., R. 1 E.

T. 1 0 S. R. 9 8 & 9 9 W.

Scale 1 inch = 1 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of seeding 480 acres of PJ thinning to increase mule deer winter forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVaan	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Mount Low PJ Thin

LOCATION CODES

6. Special Project Code (31–34):
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44):
11. Allotment No. (45–47):
12. Wildlife Habitat Area (48–50):

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 10
15. Exposure (55): 2 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 5600
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 20 — 21. Forbs (69–70): 20
22. Browse (71–72): 60

COVER *(Percent)*

23. Vegetative (73–74): 30 — 24. Litter (75–76): 15
25. Bare Ground (77–78): 55

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

'TS PLANNED

Primary (19–24): 60.0
78. Secondary (25–29): JUSC

TIME OF AWARD

79. Fiscal Year (30–31): — 80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34): — 82. Third (35):

BLM COST — 83. Method (36): 1

84. Material (37–41):
85. Contract (42–47): 1320

CONTRIBUTED COST

86. Material (48–52):
87. Labor/Equipment (53–57):

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9):
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12): — 42. Method (13):
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17):
48. Seedlings/Acre (18–21): — 49. Method (22):
51. AUM's Livestock Forage Added (23–26): 5
52. Future SSF (27–28): 30

WATERSHED TILLAGE — 54. Method (29):

FACILITIES 55. Type (30): — 56. Other Misc. (31):

WATER DEVELOPMENT/CONTROL

59. Structure Type (32):
STORAGE (Ac. Ft.) 60. Flood (33–38):
61. Silt (39–44):

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 30
65. Number Increase (55–59): 6
66. Pounds Fish Increase (60–64):
67. Rare/Endangered (65):

VISITOR DAYS ADDED — 68. Fisherman (66–69):

69. Hunter (70–73): 30 — 70. Other (74–77): 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16):
91. Secondary (17–21):
TIME 92. Fiscal Year (22–23):
93. Third (24):
94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30): — 96. Participant (31):
97. Contributor's Name (32–51):

CONTRIBUTIONS

98. Deposited (52–56):
Undeposited
99. Materials (57–61):
100. Labor/Equipment (62–66):

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
PJ Thinning 60 acres						215
TOTALS Materials						
Labor/Equipment				1,320		

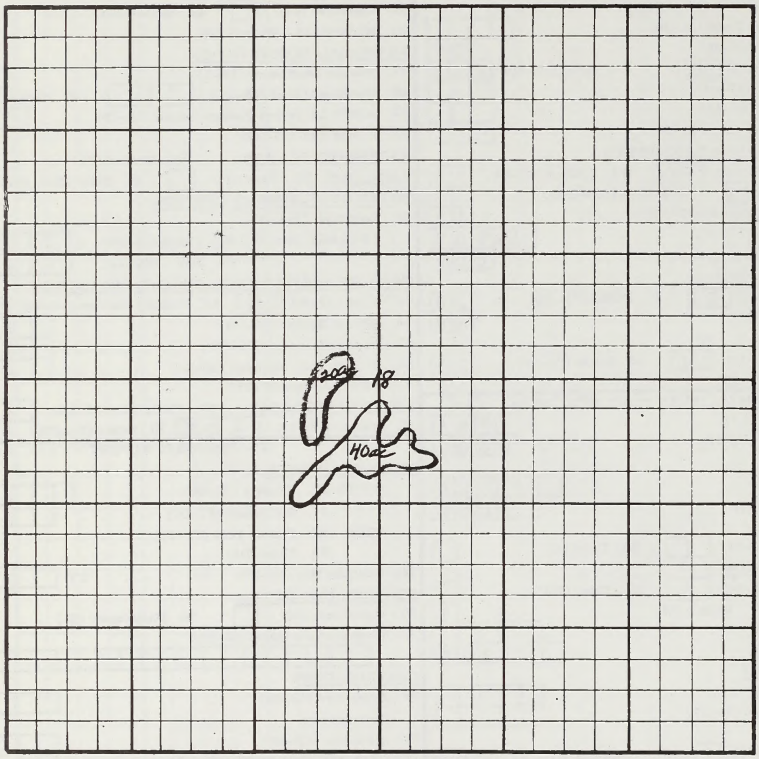
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 8 S. R. 9 7 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of thinning 60 acres of PJ to increase mule deer winter forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Horseshoe PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 65 — 14. % Slope (53–54): 05
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 11
18. Elevation (feet) (59–63): 5900
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 15
22. Browse (71–72): 75

COVER *(Percent)*

23. Vegetative (73–74): 25 — 24. Litter (75–76): 10
25. Bare Ground (77–78): 65

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

'TS PLANNED

... Primary (19–24): 2100
78. Secondary (25–29): JUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 4620

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 12
52. Future SSF (27–28): 40

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 21
65. Number Increase (55–59): 5
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 15 — 70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
PJ Thinning 210 acres						217
TOTALS Materials						
Labor/Equipment				4,620		

Form 1630–8 (November 1972)

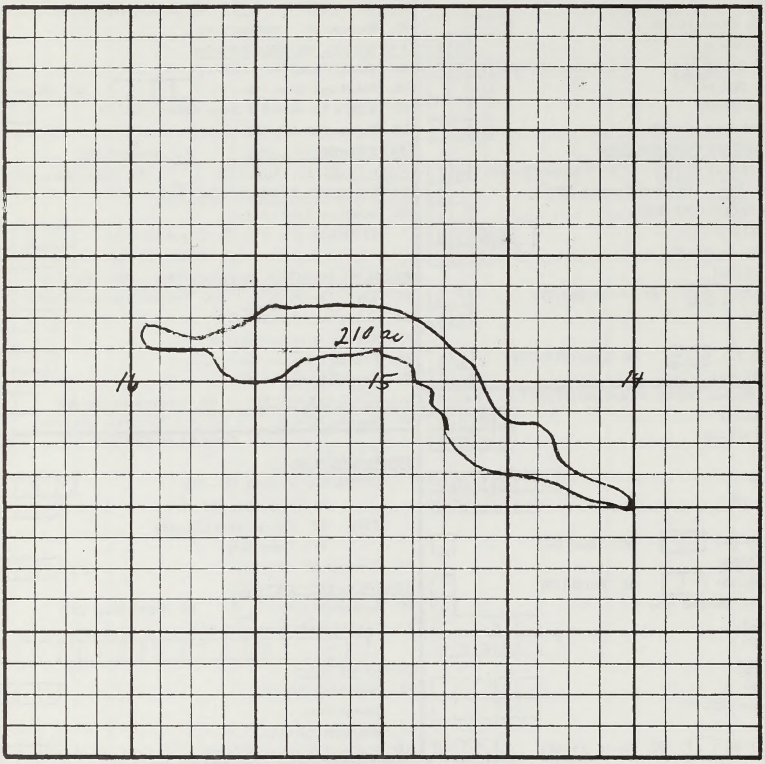
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

8 12

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 9 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of thinning 210 acres of PJ to increase mule deer forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-19

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Colo River Nest Plat

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52)
14. % Slope (53–54)
15. Exposure (55)
16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68)
21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74)
24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6010

'TS PLANNED

... Primary (19–24): 7.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41): 250
85. Contract (42–47): 150

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45
63. Primary Species (47–49): 504
64. Animal Months (50–54): 60
65. Number Increase (55–59): 20
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 25
70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Materials Nest Platforms (7)			250			
Installation Nest Platforms (7)				150		
						219
TOTALS Materials			250			
Labor/Equipment				150		

Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER 022

VI – LOCATION PLAT

Scale 1 inch =

T.__ __ __ R.__ __ __ Meridian __ __ __ __ __ __

LOCATIONS LISTED ON ATTACHED SHEET

VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will consist of installing seven goose nesting platforms to improve nest success and distribution.
Habitat Classification: Important
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
s/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-195

GOOSE NESTING PLATFORMS

1.	T.10 S.	R.98 W.	Sec. 27	SE¼SE¼
2.	T.10 S.	R.98 W.	Sec. 23	NE¼NE¼
3.	T.10 S.	R.97 W.	Sec. 7	NW¼SW¼
4.	T.9 S.	R.97 W.	Sec. 31	NE¼SW¼
5.	T.9 S.	R.97 W.	Sec. 30	SW¼SE¼
6.	T.9 S.	R.97 W.	Sec. 19	SW¼NE¼
7.	T.9 S.	R.99 W.	Sec. 12	SW¼SW¼

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Beavertail Burning

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 10 — 14. % Slope (53–54): 00
15. Exposure (55): 5 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 10
18. Elevation (feet) (59–63): 5000
19. Vegetative Subtype (64–66): 104

COMPOSITION *(Percent)*

20. Grasses (67–68): 20 — 21. Forbs (69–70): 10
22. Browse (71–72): 70

COVER *(Percent)*

23. Vegetative (73–74): 60 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 20

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6003

TS PLANNED

77. Primary (19–24): 10.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST 83. Method (36): 2

84. Material (37–41): 250
85. Contract (42–47)

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 03

JOB IDENTIFICATION

1. State (2–3): CC
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 8

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 46 — 63. Primary Species (47–49): 504
64. Animal Months (50–54): 30
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 10 — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Materials			$100			
Seed Mixture (10 ac)			$150			
Popr	2 #/ac	.50				
Agri	2 #/ac	.50				
Nomad Alfalfa	2 #/ac	.50				
						222-4
TOTALS Materials			250			
Labor/Equipment						

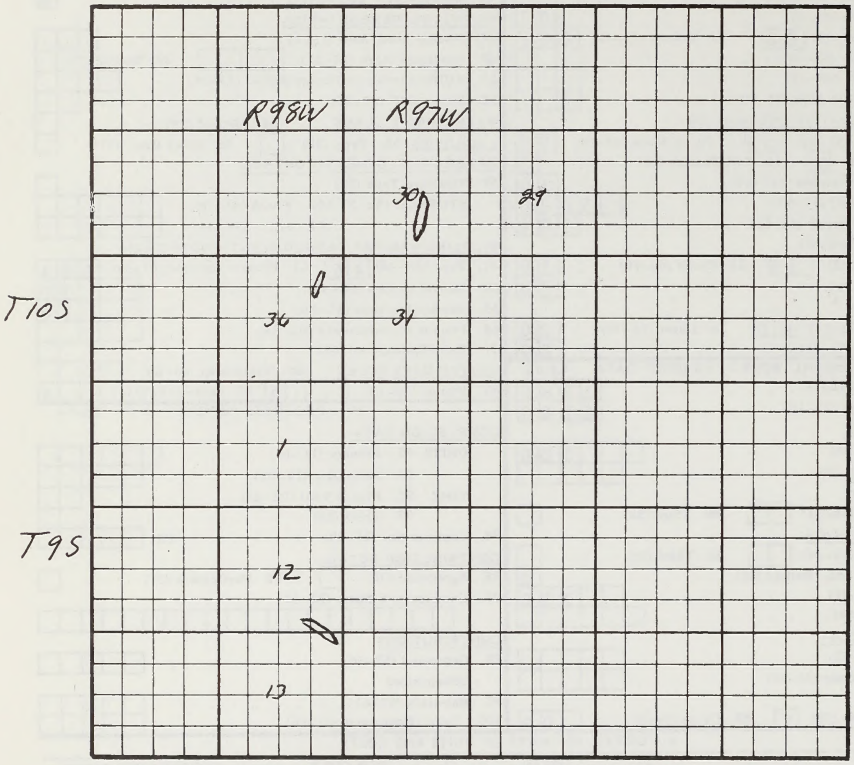
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T.10 S. R.98 W.
T. 9 S. R. 9 7 W.

Scale 1 inch = 1 Mile
Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Job will improve canada geese brood habitat by reducing dense rank growth along the river's edge and increasing grassy areas.
Habitat Classification: Important
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION (Card 1)

5. Job Name (11–30): Coal Canyon Guzzlers

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52)
14. % Slope (53–54)
15. Exposure (55)
16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68)
21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74)
24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA (Card 2)

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6245

TS PLANNED

77. Primary (19–24): 50
78. Secondary (25–29): 2500

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41): 1500
85. Contract (42–47): 2000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS (Card 3)

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.)
60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 24
63. Primary Species (47–49): 610
64. Animal Months (50–54): 1200
65. Number Increase (55–59): 100
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69)
69. Hunter (70–73): 30
70. Other (74–77): 5

IV – PROGRESS REPORT (Card 4)

COMPLETION DATA

UNITS
90. Primary (11–16)
91. Secondary (17–21)

TIME
92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Materials Guzzler Units (5) and Fence	300/unit		$1500			
Installation Contract (5 units)				$2000		
TOTALS Materials			$1500			
Labor/Equipment				$2000		

2241

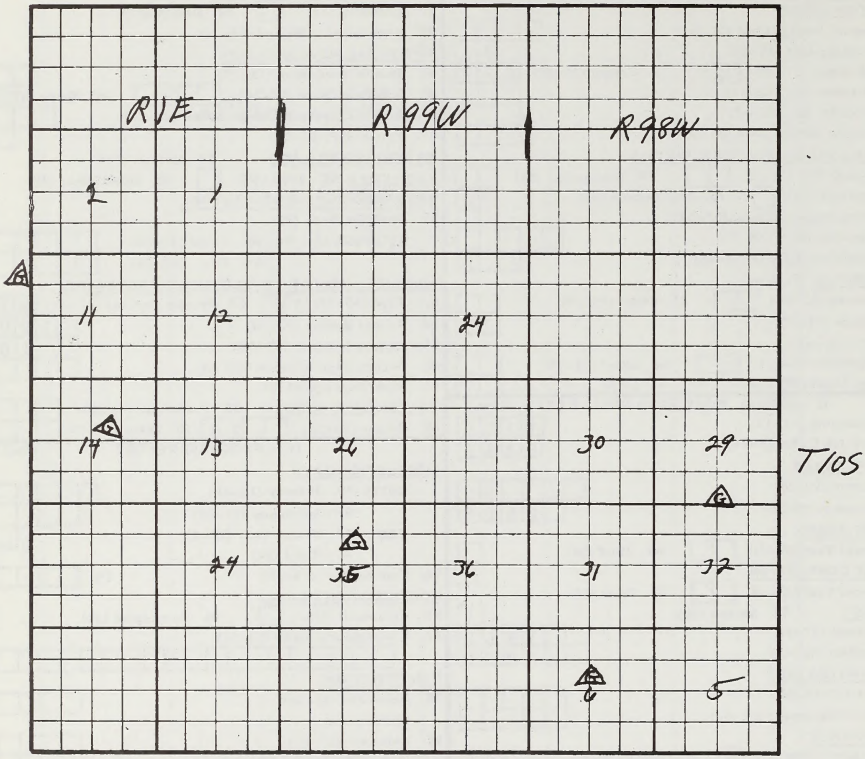
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1 Mile

T.__ __ __ R.__ __ __ Meridian __ __ __ __ __ __



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of installing 5 bird guzzlers to improve chukar habitat.
Habitat Classification: Important
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: Medium
Special Significance:

Prepared by	Title	Date
S/ Douglas McVaan	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): CARRCR NARROWS FENCE

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53) — 14. % Slope (54–55)
15. Exposure (56) — 16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69) — 21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75) — 24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6448

ITS PLANNED

77. Primary (19–24): 15
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36)

84. Material (37–41): 2100
85. Contract (42–47): 2400

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58) — 89. Cycle (59–61): 03

JOB IDENTIFICATION

1. State (2–3): 60
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30): 1 — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 62 — 63. Primary Species (47–49): 801
64. Animal Months (50–54): 3000
65. Number Increase (55–59): 250
66. Pounds Fish Increase (60–64): 125
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69): 50

69. Hunter (70–73) — 70. Other (74–77): 25

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) — CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Fence Materials	Mile	1400	2100			
Fence Construction	Mile	1600		2400		
						226-F
TOTALS Materials						
Labor/Equipment						

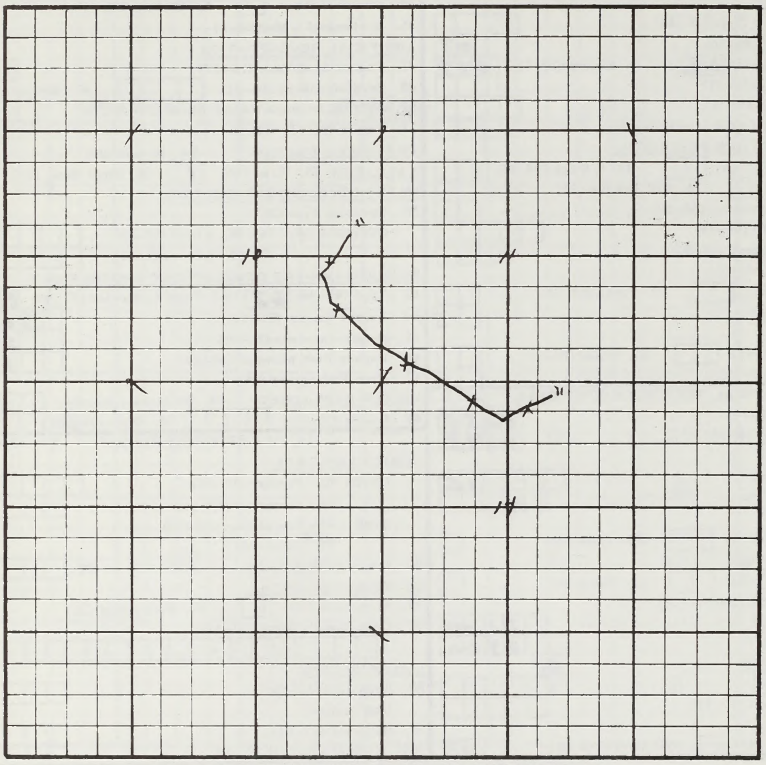
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 55. R. 100W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

One mile of fence will be protected by excluding livestock use, the fence will be tied into shale cliffs. The establishment of seeding and planting will result. Long term benefits will include a woody vegetative cover and stabilized stream banks.

Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Plan Coverage: HMP (1976) MFP (1971) URA (1969)
Special Significance: Additional benefits will be provided to blue grouse, shore birds and song birds by improving the riparian habitat. This area is within potential peregrine falcon hunting territory.

Prepared by	Title	Date
7-27-73 S/ Douglas McVean		
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): BowenResProtectFence

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52)
14. % Slope (53–54)
15. Exposure (55)
16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68)
21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74)
24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6448

TS PLANNED

77. Primary (19–24): 0.5
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41): 1000
85. Contract (42–47): 1000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30): 2 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45 63. Primary Species (47–49): 501
64. Animal Months (50–54): 40
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 20 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Fence Const. Contract (½ mile)				500		
Fence Materials			500			
120 steel posts						
30 wood posts						
6 barbed wire						
2 smooth wire						
Installation of pipe, valve, rock crib and trough				500		
Materials (pipe valve, trough)			500			228-F
TOTALS Materials			1000			
Labor/Equipment				1000		

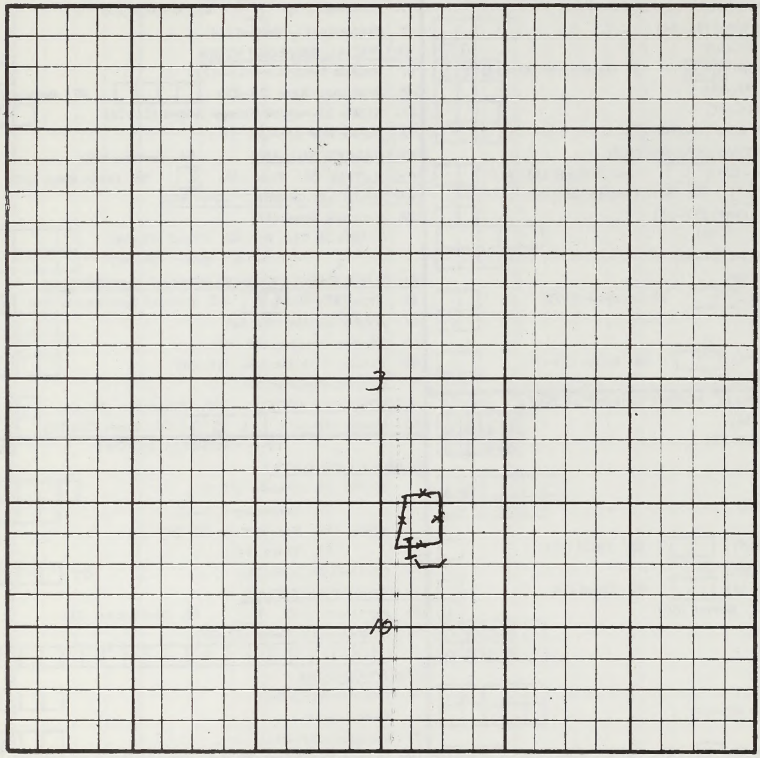
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 8 S. R. 98 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of fencing an existing reservoir to improve waterfowl nesting and brood habitat.
Habitat Classification: Important
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): East Spear PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 65 — 14. % Slope (53–54): 05
15. Exposure (55): 3 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 13
18. Elevation (feet) (59–63): 6000
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 20
22. Browse (71–72): 70

COVER *(Percent)*

23. Vegetative (73–74): 30 — 24. Litter (75–76): 10
25. Bare Ground (77–78): 60

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

TS PLANNED

77. Primary (19–24): 110.0
78. Secondary (25–29): PIED

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 2420

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 6
52. Future SSF (27–28): 45

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 50
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 50 — 70. Other (74–77): 25

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
PJ Thinning 110 acres				2420		
TOTALS Materials						
Labor/Equipment				2420		

230-F

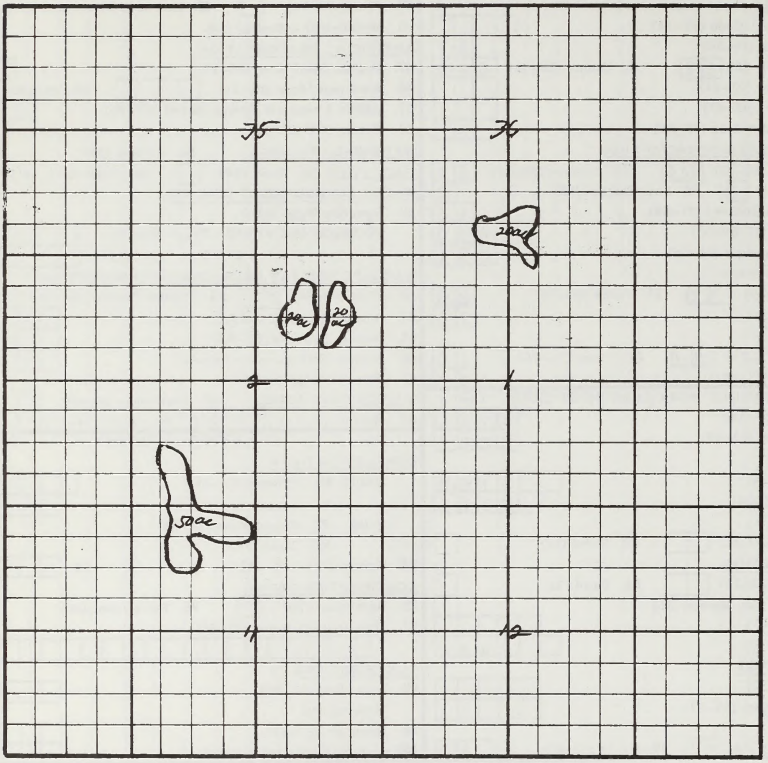
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 & 8 S. R. 97 & 98 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job will consist of thinning 110 acres of PJ to improve mule deer forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): East Spear Seeding

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 65
14. % Slope (53–54): 05
15. Exposure (55): 3
16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 13
18. Elevation (feet) (59–63): 6000
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10
21. Forbs (69–70): 20
22. Browse (71–72): 70

COVER *(Percent)*

23. Vegetative (73–74): 30
24. Litter (75–76): 10
25. Bare Ground (77–78): 60

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

TS PLANNED

77. Primary (19–24): 1100
78. Secondary (25–29): Cemo

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41): 935
85. Contract (42–47): 550

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): 00
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 7.0
48. Seedlings/Acre (18–21)
49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 6
52. Future SSF (27–28): 30

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.)

60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21
63. Primary Species (47–49): 103
64. Animal Months (50–54): 30
65. Number Increase (55–59): 6
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69)
69. Hunter (70–73): 32
70. Other (74–77): 15

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract				550		
Seed Mixture			935			
Cemo	2 lb/ac	6.00				
Atca	1 lb/ac	4.00				
Forb	2 lb/ac	6.00				
Agcr	2 lb/ac	1.00				
						232-F
TOTALS Materials			935			
Labor/Equipment				550		

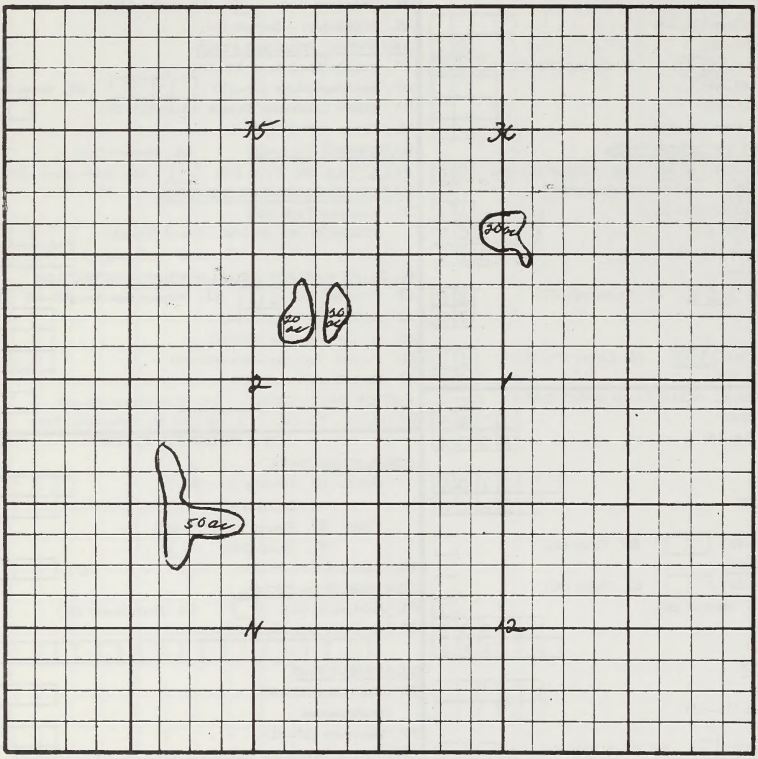
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 & 8 S. R. 97 & 98 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

The job consists of seeding 110 acres of PJ thinning to increase mule deer forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVaan	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-19E

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION Card 1

5. Job Name (11–30): Asbudy Point PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60
14. % Slope (53–54): 10
15. Exposure (55): 2
16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6000
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 20
21. Forbs (69–70): 20
22. Browse (71–72): 60

COVER *(Percent)*

23. Vegetative (73–74): 35
24. Litter (75–76): 15
25. Bare Ground (77–78): 50

II – ANNUAL WORK PLAN INPUT DATA Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

TS PLANNED

77. Primary (19–24): 6600
78. Secondary (25–29): TUSC

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41)
85. Contract (42–47): 14520

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26): 25
52. Future SSF (27–28): 35

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21
63. Primary Species (47–49): 103
64. Animal Months (50–54): 220
65. Number Increase (55–59): 44
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 120
70. Other (74–77): 60

IV – PROGRESS REPORT Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
PJ Thinning Contract 660 ac.	$22/ac			14,520		
					234 F	
TOTALS Materials						
Labor/Equipment				14,520		

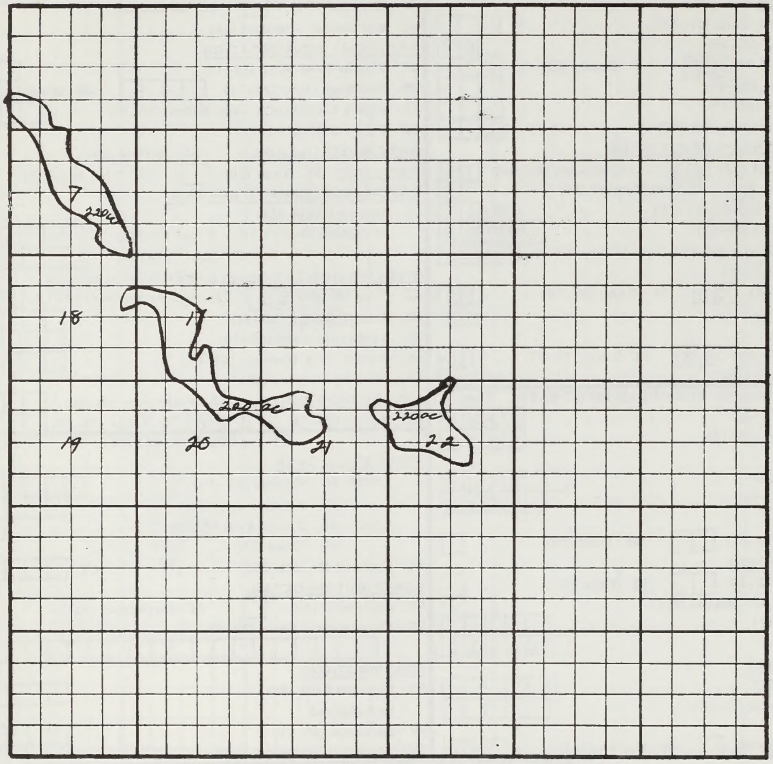
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1 Mile

T. 1 0 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

PJ Thinning of 660 acres to improve mule deer forage
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-19

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): McCurdy Wash PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 65 — 14. % Slope (53–54): 07
15. Exposure (55): 4 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 13
18. Elevation (feet) (59–63): 6200
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 15
22. Browse (71–72): 75

COVER *(Percent)*

23. Vegetative (73–74): 15 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 65

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

TS PLANNED

. Primary (19–24): 9000
78. Secondary (25–29): TUSC

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 1980

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): .
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 5
52. Future SSF (27–28): 45

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 70
65. Number Increase (55–59): 15
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)

69. Hunter (70–73): 40 — 70. Other (74–77): 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Thin PJ 90 acres						2360+
TOTALS Materials						
Labor/Equipment				1980		

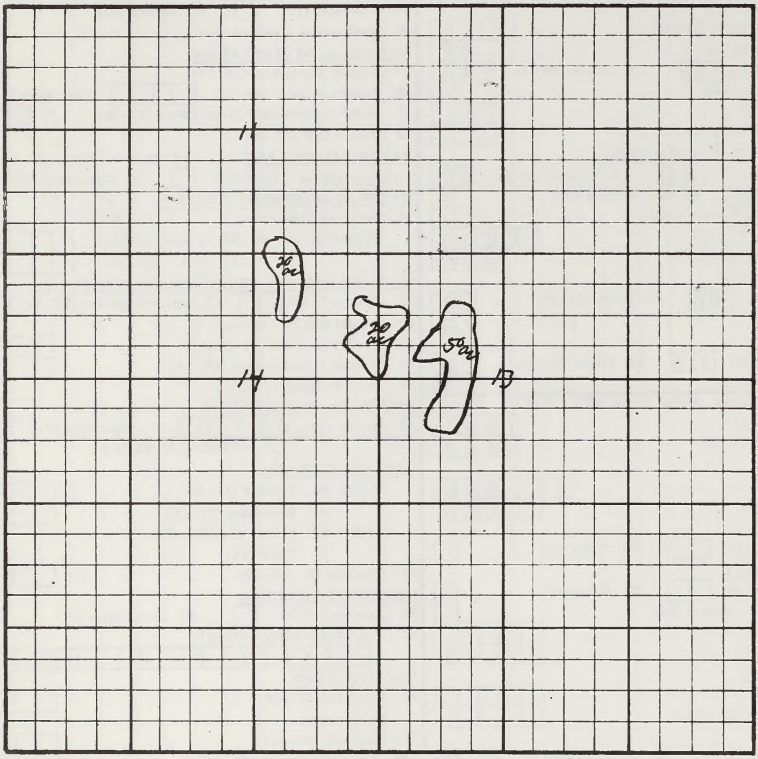
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 7 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Thin 90 acres of PJ to increase mule deer forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Asbury Point Seed

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 10
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6000
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 20 — 21. Forbs (69–70): 20
22. Browse (71–72): 60

COVER *(Percent)*

23. Vegetative (73–74): 35 — 24. Litter (75–76): 15
25. Bare Ground (77–78): 50

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

TS PLANNED

77. Primary (19–24): 660.0
78. Secondary (25–29): PUTR

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 5610
85. Contract (42–47): 3300

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 8.0
48. Seedlings/Acre (18–21) — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 20
52. Future SSF (27–28): 25

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 220
65. Number Increase (55–59)
66. Pounds Fish Increase (60–64): 45
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 120 — 70. Other (74–77): 60

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract 660 acres				3300		
Seed Mixture						
Approx ½ acre will be seeded (330 ac)						
Artr	1 lb/ac	4.00				
Putr	2 lb/ac	4.00				
Forb	2 lb/ac	6.00				
Agcr	1 lb/ac	.50				
Orhy	1 lb/ac	1.50				
Agsm	1 lb/ac	1.00				
TOTALS Materials			5610			
Labor/Equipment				3300		

238-F

Form 1630–8 (November 1972)

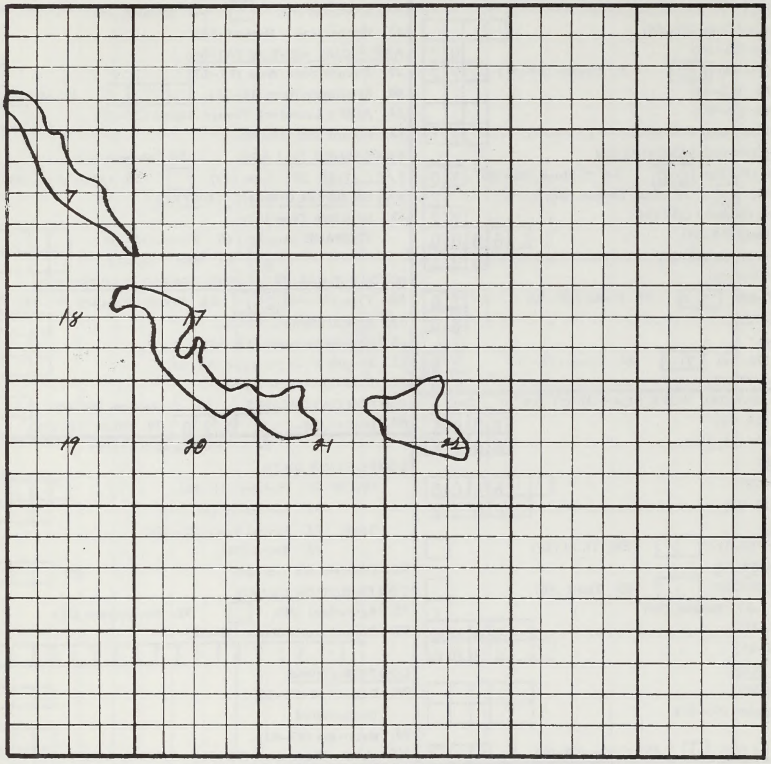
JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

T. 1 0 S. R. 9 8 W.

Scale 1 inch = 1 Mile

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Seed 660 acres of PJ thinning to improve mule deer winter forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Mc Curdy Wash Seeding

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 65 — 14. % Slope (53–54): 07
15. Exposure (55): 4 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 13
18. Elevation (feet) (59–63): 6200
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 10 — 21. Forbs (69–70): 15
22. Browse (71–72): 75

COVER *(Percent)*

23. Vegetative (73–74): 15 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 65

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

TS PLANNED

... Primary (19–24): 70.0
78. Secondary (25–29): Cemo

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 508
85. Contract (42–47): 350

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): 05
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 7.0
48. Seedlings/Acre (18–21) — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 5
52. Future SSF (27–28): 35

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 70
65. Number Increase (55–59): 15
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 40 — 70. Other (74–77): 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)		UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract (70 acres)		acres	$5.00		$350.00		
Seed Mixture							
Approx. ½ the	Artr	1 lb/ac	4.00				
area will be	Cemo	2 lb/ac	6.00	$508.00			
seeded	Forb	2 lb/ac	6.00				
(35 acres)	Agcr	1 lb/ac	.50				
	Agsm	1 lb/ac	.50				
							240 F
TOTALS Materials				$508.00			
Labor/Equipment					$350.00		

Form 1630–8 (November 1972)

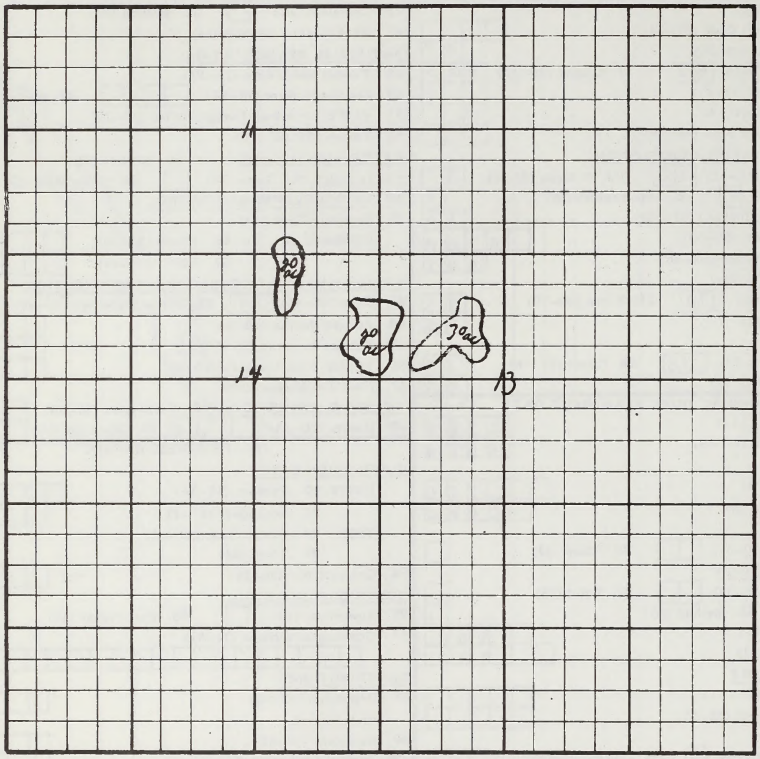
JOB IDENTIFICATION | STATE C 0 | DISTRICT 0 7 | JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = ½ mile

T. 7 S R. 9 8 W

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Seed 70 acres of PJ thinning to increase mule deer winter forage
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971)
Public Demand for Outputs: High
Special Significance:
HMP (1975)

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-198

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Dielrplark PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 70 — 14. % Slope (53–54): 07
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 13
18. Elevation (feet) (59–63): 6800
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 25 — 21. Forbs (69–70): 20
22. Browse (71–72): 55

COVER *(Percent)*

23. Vegetative (73–74): 40 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 40

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6002

TS PLANNED

77. Primary (19–24): 260.0
78. Secondary (25–29): Jusc

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 5720

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 15
52. Future SSF (27–28): 50

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 100
65. Number Increase (55–59): 20
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 60 — 70. Other (74–77): 30

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
PJ Thinning 260 acres						2-42-F
TOTALS Materials						
Labor/Equipment				$5,720		

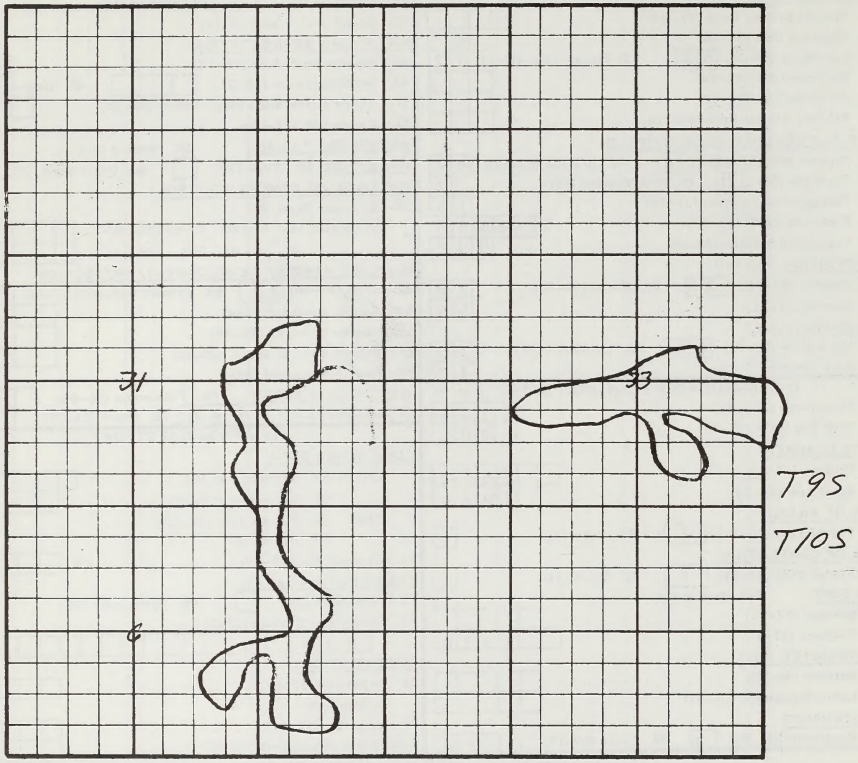
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = ½ mile

T. 9 & 10 S R. 9 8 W Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Thin 260 acres of P.J. to increase mule deer forage
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971)
Public Demand for Outputs: High
Special Significance:
HMP (1975)

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-198

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION (Card 1)

5. Job Name (11–30): Deer Park Seeding

LOCATION CODES

6. Special Project Code (31–34):
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44):
11. Allotment No. (45–47):
12. Wildlife Habitat Area (48–50):

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 70
14. % Slope (53–54): 07
15. Exposure (55): 2
16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 13
18. Elevation (feet) (59–63): 6800
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 25
21. Forbs (69–70): 20
22. Browse (71–72): 55

COVER *(Percent)*

23. Vegetative (73–74): 40
24. Litter (75–76): 20
25. Bare Ground (77–78): 40

II – ANNUAL WORK PLAN INPUT DATA (Card 2)

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6004

TS PLANNED

77. Primary (19–24): 2600.0
78. Secondary (25–29): PUTR

TIME OF AWARD

79. Fiscal Year (30–31):
80. Third (32):

TIME OF COMPLETION

81. Fiscal Year (33–34):
82. Third (35):

BLM COST

83. Method (36): 1
84. Material (37–41): 2080
85. Contract (42–47): 1300

CONTRIBUTED COST

86. Material (48–52):
87. Labor/Equipment (53–57):

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9):
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS (Card 3)

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12):
42. Method (13):
45. Mechanical – Method (14):

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 8.0
48. Seedlings/Acre (18–21):
49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 15
52. Future SSF (27–28): 35

WATERSHED TILLAGE 54. Method (29):

FACILITIES 55. Type (30): 56. Other Misc. (31):

WATER DEVELOPMENT/CONTROL

59. Structure Type (32):

STORAGE (Ac. Ft.) 60. Flood (33–38):
61. Silt (39–44):

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21
63. Primary Species (47–49): 103
64. Animal Months (50–54): 220
65. Number Increase (55–59): 23
66. Pounds Fish Increase (60–64):
67. Rare/Endangered (65):

VISITOR DAYS ADDED 68. Fisherman (66–69):

69. Hunter (70–73): 100 70. Other (74–77): 30

IV – PROGRESS REPORT (Card 4)

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21):
TIME 92. Fiscal Year (22–23):
93. Third (24):
94. Contract No. (25–29): CT

CONTRIBUTION DETAIL

95. Agreement (30): 96. Participant (31):
97. Contributor's Name (32–51):

CONTRIBUTIONS

98. Deposited (52–56):
Undeposited
99. Materials (57–61):
100. Labor/Equipment (62–66):

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract (260 acres)				1300		
Seed Mixture. Approx. ½ area will be seeded.			2080			
Artr	1 lb/ac	4.00				
Putr	2 lb/ac	4.00				
Forb	2 lb/ac	6.00				
Agsm	2 lb/ac	1.50				
Agcr	1 lb/ac	.50				
TOTALS Materials			2080			
Labor/Equipment				1300		

244-F

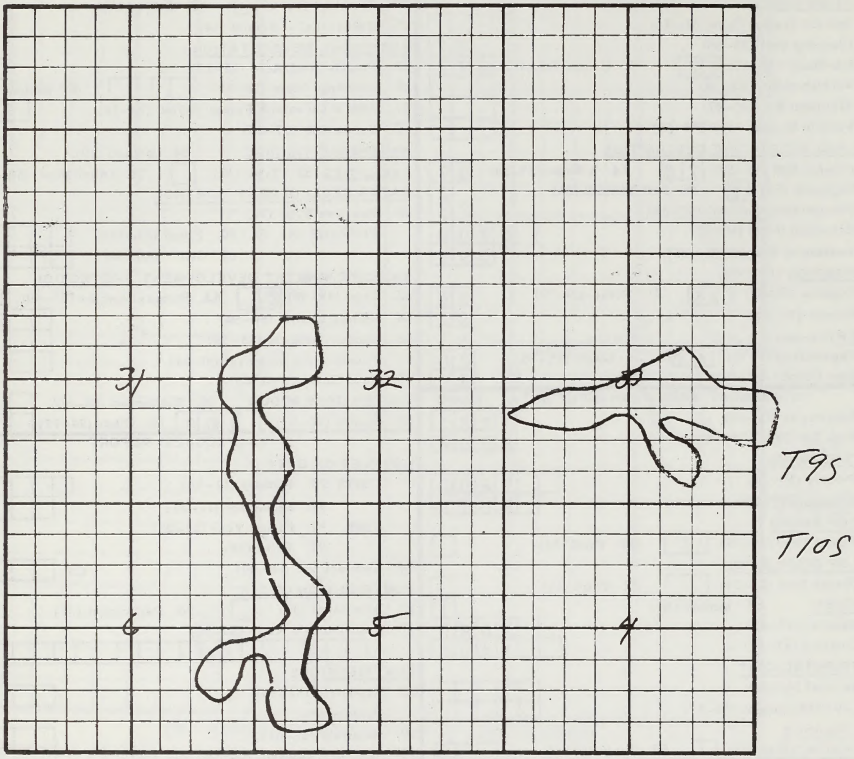
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 9 & 10 S. R. 9 8. W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Seed 260 acres of PJ thinning to increase mule deer forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVe	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION
1. State (2–3) . . . . . CO
2. District (4–5) 07
3. Job No. (6–9) 1
4. Transaction Code (10)

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) CARR CREEK PROT FENCE

LOCATION CODES
6. Special Project Code (31–34)
7. Planning Unit (35–36) 07
8. Sub-Basin (37–38) 62 9. County (39–41) 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION
13. Present SSF (52–53) 14. % Slope (54–55)
15. Exposure (56) 16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*
20. Grasses (68–69) 21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*
23. Vegetative (74–75) 24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 1285
76. Work Job Code (15–18) 6448

UNITS PLANNED
77. Primary (19–24) 1.0
78. Secondary (25–29)

TIME OF AWARD
79. Fiscal Year (30–31) 80. Third (32)

TIME OF COMPLETION
81. Fiscal Year (33–34) 82. Third (35)

BLM COST 83. Method (36)
84. Material (37–41) 1400
85. Contract (42–47) 1600

CONTRIBUTED COST
86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE
88. Responsibility (58) 1 89. Cycle (59–61) 03

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11)

PLANT AND PEST CONTROL
39. Chemical (12) 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION
47. Pounds Seed/Acre (15–17) . . . . . .
48. Seedlings/Acre (18–21) 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 2 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL
59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT PROTECTION
62. Type (45–46) 62 63. Primary Species (47–49) 801
64. Animal Months (50–54) 600
65. Number Increase (55–59) 50
66. Pounds Fish Increase (60–64) 25
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69)
69. Hunter (70–73) 70. Other (74–77) 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA
UNITS 90. Primary (11–16) . . . . . .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL
95. Agreement (30) 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS
98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Fence Material	mile	1400	1400			
Fence Construction	mile	1600		1600		
TOTALS Materials						
Labor/Equipment						246-F

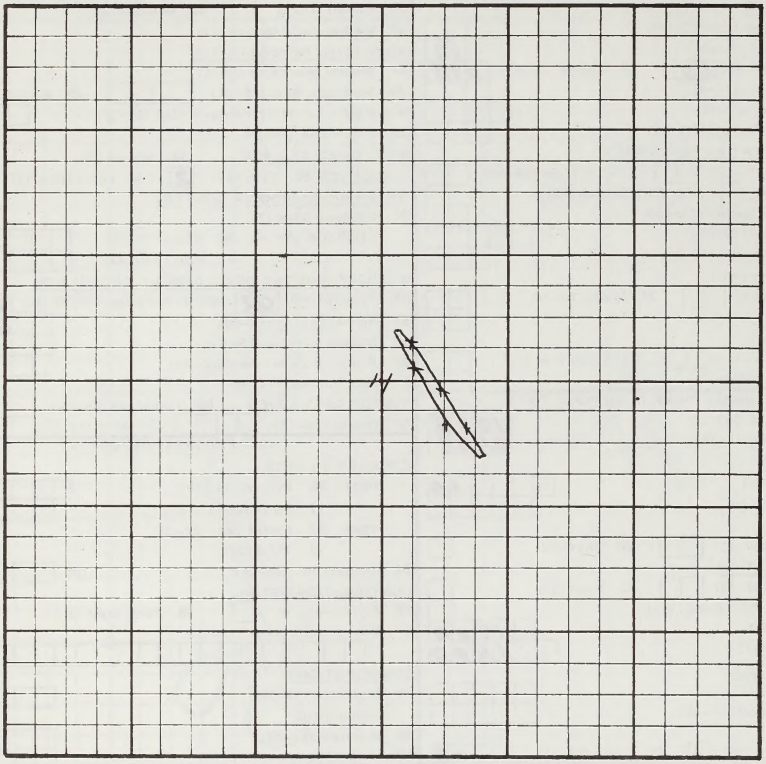
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

One mile of fence will exclude livestock from ½ mile at Carr Creek to protect seedings and planting, allow establishment of woody vegetation and prevent trampling of stream banks.

Habitat Class: Important

Habitat Condition: Unsatisfactory

Bur. Planning Coverage: HMP (1976) MFP (1971) URA(1969)

Special Significance: In addition to providing improved trout habitat many song, shore and game birds will benefit. This is within potential peregrine falcon hunting territories.

2-17-B

Prepared by S/ Douglas McVean	Title	Date
Approved by	Title	Date

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): CARR CR GABIONS

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53)
14. % Slope (54–55)
15. Exposure (56)
16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69)
21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75)
24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6011

UNITS PLANNED

77. Primary (19–24): 1.0
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36)
84. Material (37–41): 500
85. Contract (42–47): 2500

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31): 5

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 66
63. Primary Species (47–49): 801
64. Animal Months (50–54): 600
65. Number Increase (55–59): 50
66. Pounds Fish Increase (60–64): 25
67. Rare/Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69): 10
69. Hunter (70–73)
70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Gabian Material (5) (1 gab=12 x 2 x 3 and 2 gab= 6 x 2 x 3)	ea.	100	500			
Gabian Construction	ea.	500		2500		
						248.+
TOTALS Materials			500			
Labor/Equipment				2500		

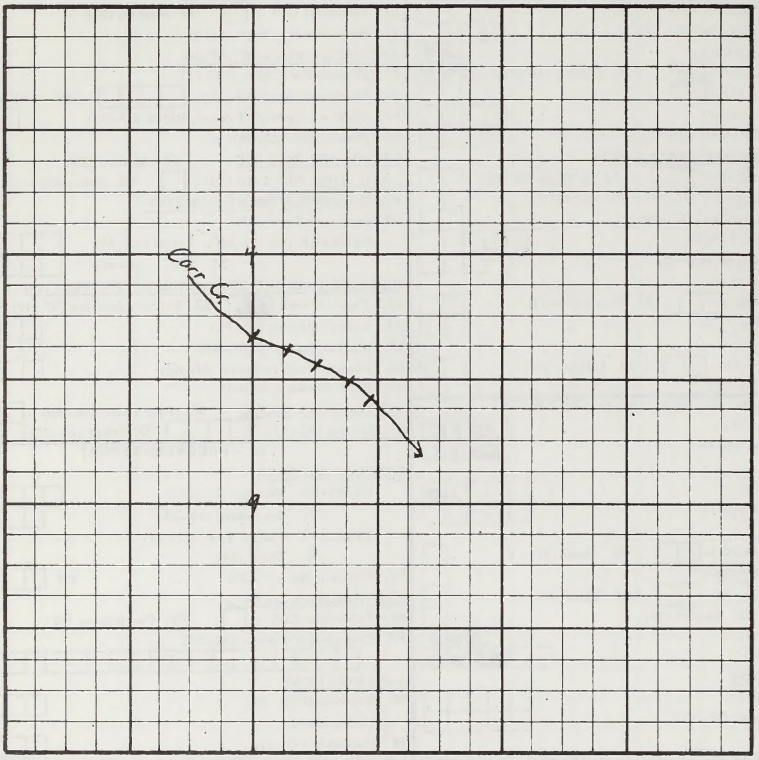
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Five gabion structure will be installed to reduce spring discharge velocities in Carr Creek and stabilize the stream channel.
Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP(1976) MFP (1971) URA (1969)
Public Demand: Medium
Special Significance:

249-B

Prepared by S/ Douglas McLean	Title	Date
Approved by	Title	Date 8 4-9-83

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): CARR CR. DRIFT FENCE

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53) — 14. % Slope (54–55)
15. Exposure (56) — 16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69) — 21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75) — 24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 8100
76. Work Job Code (15–18): 6448

UNITS PLANNED

77. Primary (19–24): 0.6
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36)

84. Material (37–41): 840
85. Contract (42–47): 960

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 03

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 5

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): .
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 20
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30): 2 — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 62 — 63. Primary Species (47–49): 801
64. Animal Months (50–54): 120
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64): 5
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69): 1
69. Hunter (70–73) — 70. Other (74–77)

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) — CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)

Undeposited

99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Fence Materials	mile	1400	840			
Fence Construction	mile	1600		960		
						250 F
TOTALS Materials			840			
Labor/Equipment				960		

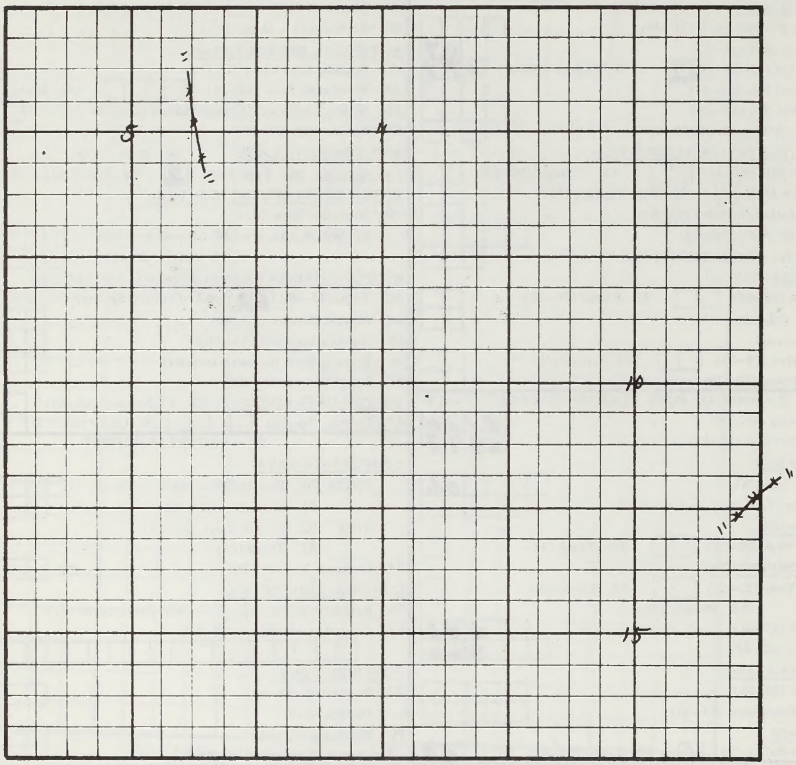
Form 1630-8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 mile

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Two section of fence are needed to control livestock grazing use. Unlicensed cattle drifting into the bottom of Carr Creek has resulted in considerable over-use and stream trampling. One short fence is also needed to establish two pastures to implement rotational grazing. Livestock mgt. items to be funded by 8100.

Habitat Class: Important

Habitat Condition: Unsatisfactory

Bur. Planning Coverage: HMP (1976) MFP (1971) URA (1969)

Public Demand: Medium

Special Significance:

251-8

Prepared by	Title	Date
S/ Douglas McVean		
Approved by	Title	Date
		844-903

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION

1. State (2–3) . . . . . CO
2. District (4–5) 07
3. Job No. (6–9) . . . . .
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): CARR ER PLANT SEED

LOCATION CODES

6. Special Project Code (31–34) . . . . .
7. Planning Unit (35–36) 07
8. Sub-Basin (37–38) 62 — 9. County (39–41) 077
10. Watershed No. (42–44) . . . . .
11. Allotment No. (45–48) . . . . .
12. Wildlife Habitat Area (49–51) . . . . .

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53) 55 — 14. % Slope (54–55) 5
15. Exposure (56) 1 — 16. Soil Texture (57) 3
17. Precipitation (inches) (58–59) 18
18. Elevation (feet) (60–64) 7800
19. Vegetative Subtype (65–67) . . . . .

COMPOSITION *(Percent)*

20. Grasses (68–69) 55 — 21. Forbs (70–71) . . 35
22. Browse (72–73) 10

COVER *(Percent)*

23. Vegetative (74–75) 30 — 24. Litter (76–77) . 10
25. Bare Ground (78–79) 60

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 1285
76. Work Job Code (15–18) 6004

UNITS PLANNED

77. Primary (19–24) 600
78. Secondary (25–29) . . . . .

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32) . . .

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35) . . .

BLM COST 83. Method (36) . . . . .

84. Material (37–41) 3000
85. Contract (42–47) . . . . .

CONTRIBUTED COST

86. Material (48–52) . . . . .
87. Labor/Equipment (53–57) . . . . .

MAINTENANCE

88. Responsibility (58) 1 — 89. Cycle (59–61) 05

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13) . . . .
45. Mechanical – Method (14) . . . . .

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17) 10.5
48. Seedlings/Acre (18–21) 50 — 49. Method (22)
51. AUM's Livestock Forage Added (23–26) . .
52. Future SSF (27–28) 10

WATERSHED TILLAGE 54. Method (29) . . . .

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32) . . . . .
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46) 65 — 63. Primary Species (47–49) 801
64. Animal Months (50–54) 1200
65. Number Increase (55–59) 100
66. Pounds Fish Increase (60–64) 50
67. Rare/Endangered (65) . . . . .

VISITOR DAYS ADDED 68. Fisherman (66–69) 10
69. Hunter (70–73) — 70. Other (74–77) 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) . . . .
91. Secondary (17–21) . . . .
TIME 92. Fiscal Year (22–23) . . . . .
93. Third (24) . . . . .
94. Contract No. (25–29) . . . . . CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31) . . .
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56) . . . . .
Undeposited
99. Materials (57–61) . . . . .
100. Labor/Equipment (62–66) . . . . .

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Willow root stock (2400)	ea.	.20	480			
Water Birch seedlings (600)	ea.	2.00	1200			
Seed: Kentucky blue 4 lb/ac	lb	1.00	240			
Streambank wheatgrass 4 lb/ac	lb	.50	120			
	lb	.50	30			
great basin wild rye 1 lb/ac	lb	.50	30			
longstalk clover 1 lb/ac	lb	5.00	180			
wildrose 1/4 lb/ac	lb	5.00	180			
Bristly black current 1/4 lb/ac						252-F
Seeding & planting 2 MM						
TOTALS Materials			3000			
Labor/Equipment						

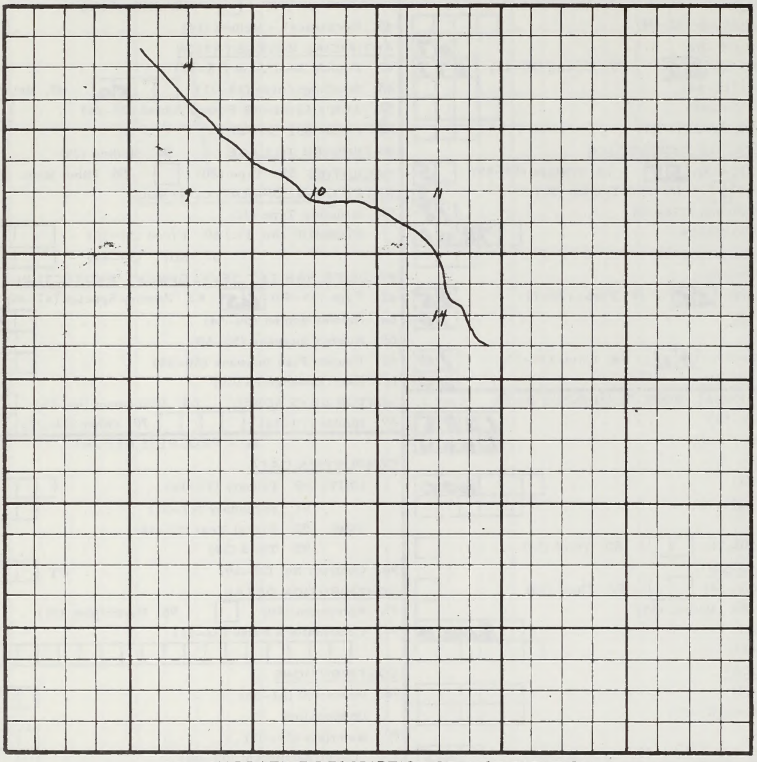
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1 Mile

T. 55. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Approx. 60 acres along 4 miles of Carr Cr. will be planted and seeded to increase stream canopy cover and stabilize stream banks. Primary benefits will be to trout habitat by reducing siltation, algae growth and water temperatures and increasing cover. Habitat Class; Important
Habitat Condition; Unsatisfactory
Bur. Planning Coverage; HMP (1976) MFP (1971) URA (1969)
Public Demand; Medium
Special Significance; A large number of game and non-game birds and animals will benefit from the increased food and cover provided. The area is potential peregrine hunting habitat.

253-B

Prepared by	Title	Date
S/ Douglas McVean		
Approved by	Title	Date
		9 4 4 - 9 0 7

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): CARRCR RETENTION PONDS

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62
9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–48)
12. Wildlife Habitat Area (49–51)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (52–53)
14. % Slope (54–55)
15. Exposure (56)
16. Soil Texture (57)
17. Precipitation (inches) (58–59)
18. Elevation (feet) (60–64)
19. Vegetative Subtype (65–67)

COMPOSITION *(Percent)*

20. Grasses (68–69)
21. Forbs (70–71)
22. Browse (72–73)

COVER *(Percent)*

23. Vegetative (74–75)
24. Litter (76–77)
25. Bare Ground (78–79)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
76. Work Job Code (15–18): 6011

UNITS PLANNED

77. Primary (19–24): .3
78. Secondary (25–29)

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36)
84. Material (37–41): 3000
85. Contract (42–47): 11000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): 20
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE 54. Method (29)

FACILITIES 55. Type (30) 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)

STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 66
63. Primary Species (47–49): 801
64. Animal Months (50–54): 720
65. Number Increase (55–59): 60
66. Pounds Fish Increase (60–64): 30
67. Rare/Endangered (65)

VISITOR DAYS ADDED 68. Fisherman (66–69): 15

69. Hunter (70–73) 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)

TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Earth Retention Dams (3)	each	2000		6000		
Gabian Spillways (3)						
Materials 42 Gab	EACH		3000	5000		
12 X 3 X 3						
Construction						254-F
TOTALS Materials			3000			
Labor/Equipment				11000		

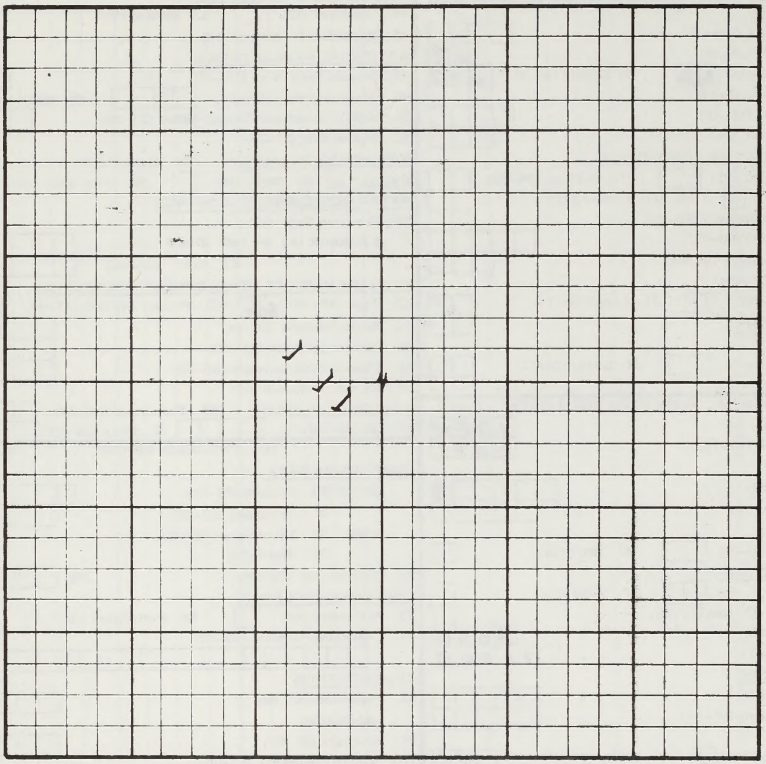
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Three small retention dams with gabion spillways will provide holding water for trout during low flows when adequate water (living space) is not sufficient to support trout population.
Habitat Class: Peripheral
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP (1976) MFP (1971) URA (1969)
Public Demand: Medium
Special Signifance: Since trout population are not present above this area and the spillways will be effective barriers the establishment of Colorado Cutthroat trout population is possible if the structures are successful.
Potential waterfowl nesting habitat.

Prepared by	Title	Date
S/ Douglas McVean		
Approved by 255-00	Title	Date 844-90

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION
1. State (2–3) . . . 60
2. District (4–5) . . . 07
3. Job No. (6–9) . . .
4. Transaction Code (10) . . . 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) CARR CR STRUCTURES

LOCATION CODES
6. Special Project Code (31–34) . . .
7. Planning Unit (35–36) . . . 07
8. Sub-Basin (37–38) 62 9. County (39–41) 077
10. Watershed No. (42–44) . . .
11. Allotment No. (45–48) . . .
12. Wildlife Habitat Area (49–51) . . .

SITE AND VEGETATIVE DESCRIPTION
13. Present SSF (52–53) 14. % Slope (54–55) . . .
15. Exposure (56) 16. Soil Texture (57) . . .
17. Precipitation (inches) (58–59) . . .
18. Elevation (feet) (60–64) . . .
19. Vegetative Subtype (65–67) . . .

COMPOSITION *(Percent)*
20. Grasses (68–69) 21. Forbs (70–71) . . .
22. Browse (72–73) . . .

COVER *(Percent)*
23. Vegetative (74–75) 24. Litter (76–77) . . .
25. Bare Ground (78–79) . . .

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) . . . 1285
76. Work Job Code (15–18) . . . 6011

UNITS PLANNED
77. Primary (19–24) . . . 2.0
78. Secondary (25–29) . . .

TIME OF AWARD
79. Fiscal Year (30–31) 80. Third (32) . . .

TIME OF COMPLETION
81. Fiscal Year (33–34) 82. Third (35) . . .

BLM COST 83. Method (36) . . .
84. Material (37–41) . . . 1000
85. Contract (42–47) . . .

CONTRIBUTED COST
86. Material (48–52) . . .
87. Labor/Equipment (53–57) . . .

MAINTENANCE
88. Responsibility (58) 1 89. Cycle (59–61) 05

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) . . . 7

PLANT AND PEST CONTROL
39. Chemical (12) 42. Method (13) . . .
45. Mechanical – Method (14) . . .

ARTIFICIAL REVEGETATION
47. Pounds Seed/Acre (15–17) . . .
48. Seedlings/Acre (18–21) 49. Method (22) . . .
51. AUM's Livestock Forage Added (23–26) . . .
52. Future SSF (27–28) . . .

WATERSHED TILLAGE 54. Method (29) . . .
FACILITIES 55. Type (30) 56. Other Misc. (31) . . .

WATER DEVELOPMENT/CONTROL
59. Structure Type (32) . . .
STORAGE (Ac. Ft.) 60. Flood (33–38) . . .
61. Silt (39–44) . . .

WILDLIFE HABITAT DEVELOPMENT/PROTECTION
62. Type (45–46) 66 63. Primary Species (47–49) 801
64. Animal Months (50–54) . . . 3000
65. Number Increase (55–59) . . . 250
66. Pounds Fish Increase (60–64) . . . 125
67. Rare/Endangered (65) . . .

VISITOR DAYS ADDED 68. Fisherman (66–69) . . . 50
69. Hunter (70–73) . . . 70. Other (74–77) . . . 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA
UNITS 90. Primary (11–16) . . .
91. Secondary (17–21) . . .
TIME 92. Fiscal Year (22–23) . . .
93. Third (24) . . .
94. Contract No. (25–29) . . . CT

CONTRIBUTION DETAIL
95. Agreement (30) 96. Participant (31) . . .
97. Contributor's Name (32–51) . . .

CONTRIBUTIONS
98. Deposited (52–56) . . .
Undeposited
99. Materials (57–61) . . .
100. Labor/Equipment (62–66) . . .

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Log-sill Dams (50)	ea.	10	500			
Log wing Dams (50)	ea.	10	500			
Installation 100	ea.	1/20 MM		(5 MM)		
						256-+
TOTALS Materials			1000			
Labor/Equipment						

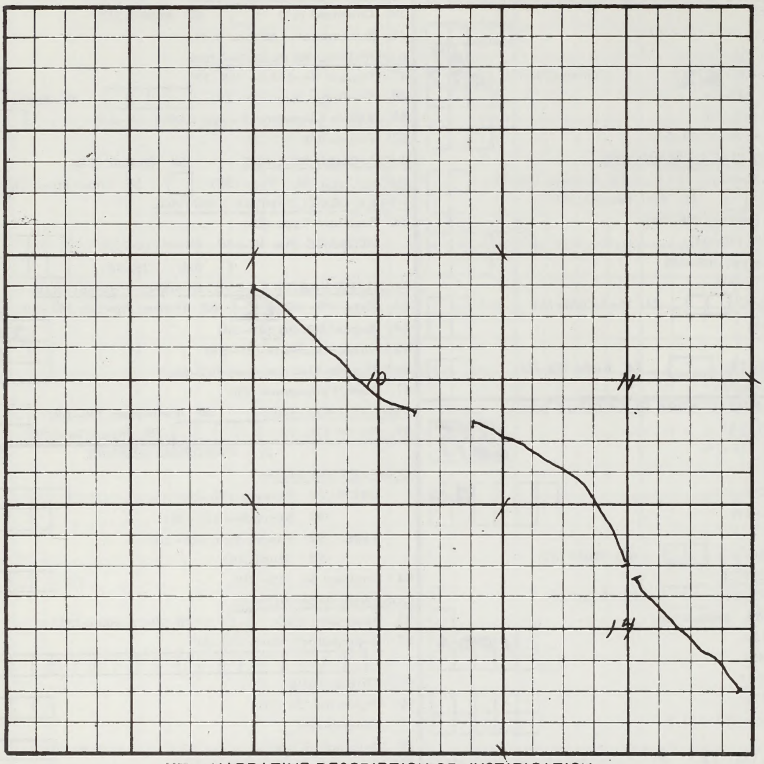
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 mile

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Log sills and wing dams will be placed along 2 miles of Carr Creek to increase pool areas and improve the quality of pools and riffles.
Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP (1976) MFP (1971) URA (1969)
Public Demand: Medium
Special Significance:

257-B

Prepared by S/Douglas McVean	Title	Date
Approved by	Title	Date

844-983

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

JOB IDENTIFICATION
1. State (2–3) 09
2. District (4–5) 07
3. Job No. (6–9) . . . . .
4. Transaction Code (10) 1

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30) CARRCRROT FENCE #2

LOCATION CODES
6. Special Project Code (31–34) . . . . .
7. Planning Unit (35–36) 07
8. Sub-Basin (37–38) 62 9. County (39–41) 077
10. Watershed No. (42–44) . . . . .
11. Allotment No. (45–48) . . . . .
12. Wildlife Habitat Area (49–51) . . . . .

SITE AND VEGETATIVE DESCRIPTION
13. Present SSF (52–53) . . . . . 14. % Slope (54–55) . . . . .
15. Exposure (56) . . . . . 16. Soil Texture (57) . . . . .
17. Precipitation (inches) (58–59) . . . . .
18. Elevation (feet) (60–64) . . . . .
19. Vegetative Subtype (65–67) . . . . .

COMPOSITION *(Percent)*
20. Grasses (68–69) . . . . . 21. Forbs (70–71) . . . . .
22. Browse (72–73) . . . . .

COVER *(Percent)*
23. Vegetative (74–75) . . . . . 24. Litter (76–77) . . . . .
25. Bare Ground (78–79) . . . . .

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14) 1285
76. Work Job Code (15–18) 6448

UNITS PLANNED
77. Primary (19–24) 30
78. Secondary (25–29) . . . . .

TIME OF AWARD
79. Fiscal Year (30–31) . . . . . 80. Third (32) . . . . .

TIME OF COMPLETION
81. Fiscal Year (33–34) . . . . . 82. Third (35) . . . . .

BLM COST 83. Method (36) . . . . .
84. Material (37–41) 4200
85. Contract (42–47) 4800

CONTRIBUTED COST
86. Material (48–52) . . . . .
87. Labor/Equipment (53–57) . . . . .

MAINTENANCE
88. Responsibility (58) 1 89. Cycle (59–61) 02

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11) 7

PLANT AND PEST CONTROL
39. Chemical (12) . . . . . 42. Method (13) . . . . .
45. Mechanical – Method (14) . . . . .

ARTIFICIAL REVEGETATION
47. Pounds Seed/Acre (15–17) . . . . .
48. Seedlings/Acre (18–21) . . . . . 49. Method (22) . . . . .
51. AUM's Livestock Forage Added (23–26) . . . . .
52. Future SSF (27–28) . . . . .

WATERSHED TILLAGE 54. Method (29) . . . . .

FACILITIES 55. Type (30) 2 56. Other Misc. (31) . . . . .

WATER DEVELOPMENT/CONTROL
59. Structure Type (32) . . . . .
STORAGE (Ac. Ft.) 60. Flood (33–38) . . . . .
61. Silt (39–44) . . . . .

WILDLIFE HABITAT DEVELOPMENT/PROTECTION
62. Type (45–46) 62 63. Primary Species (47–49) 801
64. Animal Months (50–54) 4500
65. Number Increase (55–59) 300
66. Pounds Fish Increase (60–64) 150
67. Rare/Endangered (65) . . . . .

VISITOR DAYS ADDED 68. Fisherman (66–69) 15
69. Hunter (70–73) . . . . . 70. Other (74–77) 3

IV – PROGRESS REPORT — Card 4

COMPLETION DATA
UNITS 90. Primary (11–16) . . . . .
91. Secondary (17–21) . . . . .
TIME 92. Fiscal Year (22–23) . . . . .
93. Third (24) . . . . .
94. Contract No. (25–29) . . . . . CT

CONTRIBUTION DETAIL
95. Agreement (30) . . . . . 96. Participant (31) . . . . .
97. Contributor's Name (32–51) . . . . .

CONTRIBUTIONS
98. Deposited (52–56) . . . . .
Undeposited
99. Materials (57–61) . . . . .
100. Labor/Equipment (62–66) . . . . .

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Fence Materials	mile	1400	4200			
Fence Construction	mile	1600		4800		
						258-F
TOTALS Materials			4200			
Labor/Equipment				4800		

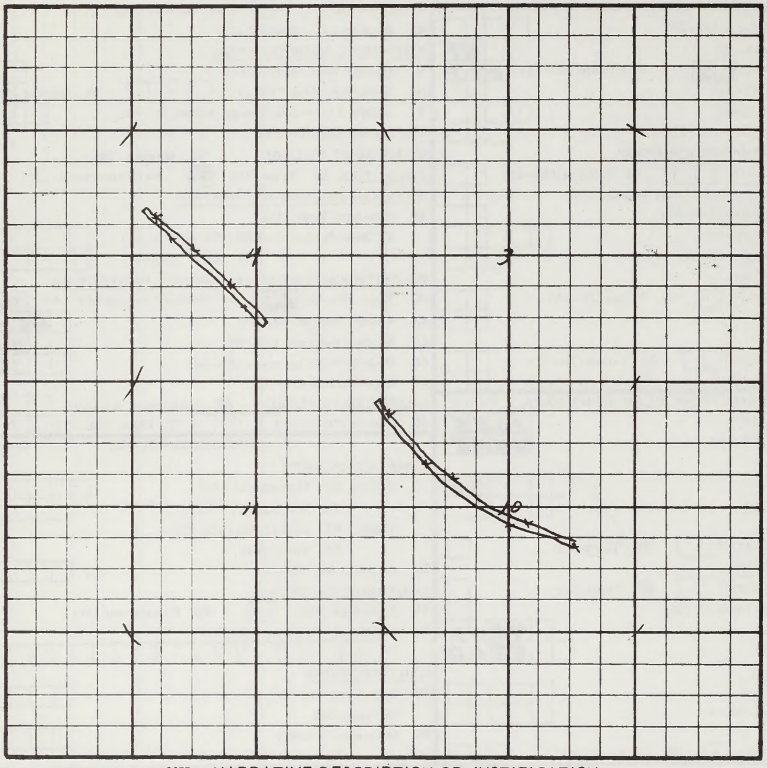
Form 1630–8 (February 1977)

JOB IDENTIFICATION STATE DISTRICT JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 100 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Plantings, seedings and structures will be protected on 1½ miles of Carr Creek to improve trout habitat by increasing woody vegetation and stabilizing streambanks.
Habitat Class: Important
Habitat Condition: Unsatisfactory
Bur. Planning Coverage: HMP (1976) MFP (1971) URA 1969)
Special Significance: Blue grouse, songbirds and shore bird habitat will be improved. This area is potentially within the hunting territory of peregrine falcon.

259-5

Prepared by	Title	Date
S/ Douglas McVean	-	
Approved by	Title	Date
		844-983

GPO 839-264

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Tom Reservoir

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36)
8. Sub-Basin (37–38): 62
9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52)
14. % Slope (53–54)
15. Exposure (55)
16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68)
21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74)
24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6241

TS PLANNED

77. Primary (19–24): 1.0
78. Secondary (25–29): 4000

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST

83. Method (36): 1
84. Material (37–41): 800
85. Contract (42–47): 2000

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1
89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 01
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12)
42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21)
49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE

54. Method (29)

FACILITIES

55. Type (30)
56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32): 2
STORAGE (Ac. Ft.) 60. Flood (33–38): 5
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45
63. Primary Species (47–49): 501
64. Animal Months (50–54): 50
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED

68. Fisherman (66–69)
69. Hunter (70–73): 20
70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30)
96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Reservoir Construction				2000		
Fence Contract				600		
Fence Materials			800			
120 steel posts						
30 wood posts						
6 barbed wire						
2 smooth wire						
						260-F
TOTALS Materials			800			
Labor/Equipment				2600		

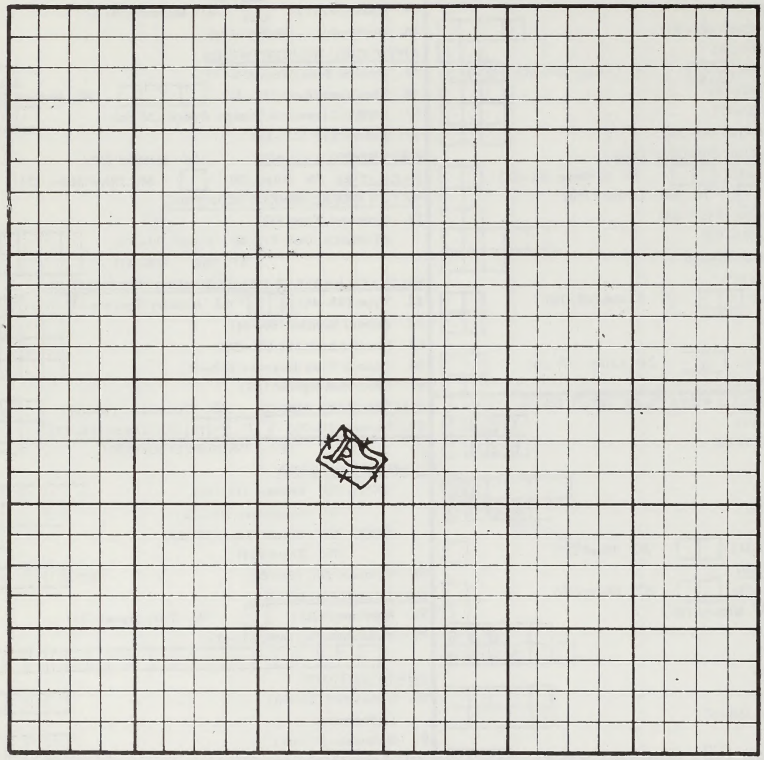
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 1 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 5 S. R. 9 7 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Construct a retention dam and fence to provide waterfowl nesting and brood habitat
Habitat Classification: Non-existent
Habitat Condition: NA
Bureau Planning Coverage: MFP (1975) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Mud Spring ReServoir

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36)
8. Sub-Basin (37–38): 62 — 9. County (39–41): 045
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) — 14. % Slope (53–54)
15. Exposure (55) — 16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68) — 21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74) — 24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6241

TS PLANNED

77. Primary (19–24): 10
78. Secondary (25–29): 4000

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 800
85. Contract (42–47): 2600

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 02

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 01
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32): 2
STORAGE (Ac. Ft.) 60. Flood (33–38): 5
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 45 — 63. Primary Species (47–49): 501
64. Animal Months (50–54): 50
65. Number Increase (55–59): 10
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 20 — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
Reservoir Construction				2,000		
Fence Construction				600		
Fence Materials			800			
120 Steel Posts						
30 Wood Posts						
6 Barbed Wire						
2 Smooth Wire						
Pipe, valve, trough and rock crib						262-F
TOTALS: Materials			800			
Labor/Equipment				2,600		

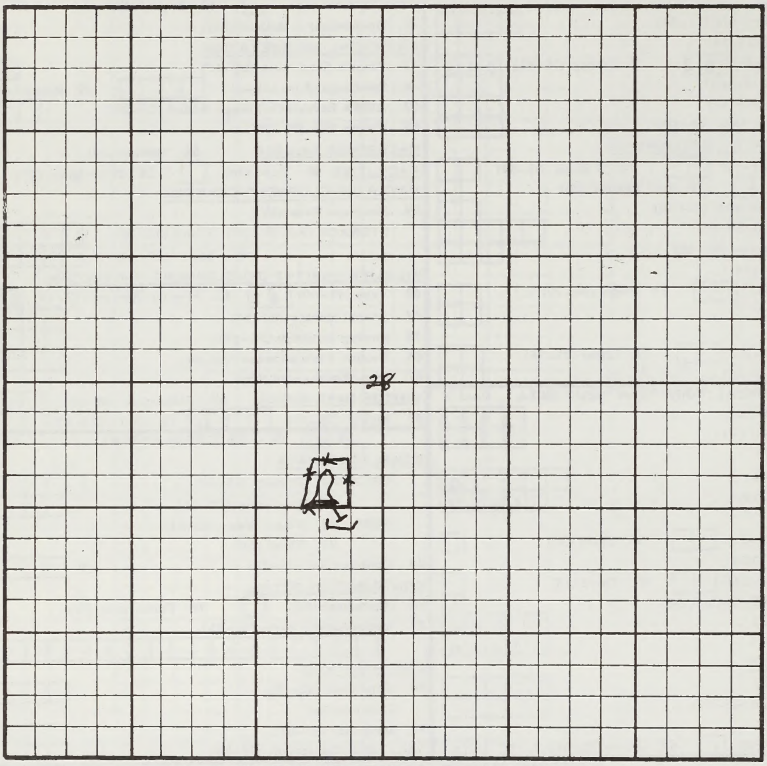
Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 1 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = ½ mile

T. 4 S R. 9 8 W Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Construct a retention dam and fence for waterfowl nesting and brood habitat.
Habitat Classification: Non-existant
Habitat Condition: NA
Bureau Planning Coverage: MFP (1975)
Public Demand for Outputs: High
Special Significance:
HMP (1975)

repared by s/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-195

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): DeBequeCanyonGuzzler

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52) — 14. % Slope (53–54)
15. Exposure (55) — 16. Soil Texture (56)
17. Precipitation (inches) (57–58)
18. Elevation (feet) (59–63)
19. Vegetative Subtype (64–66)

COMPOSITION *(Percent)*

20. Grasses (67–68) — 21. Forbs (69–70)
22. Browse (71–72)

COVER *(Percent)*

23. Vegetative (73–74) — 24. Litter (75–76)
25. Bare Ground (77–78)

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6245

TS PLANNED

77. Primary (19–24): 4.0
78. Secondary (25–29): 2000

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 1600
85. Contract (42–47): 800

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 05

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26)
52. Future SSF (27–28)

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 24 — 63. Primary Species (47–49): 610
64. Animal Months (50–54): 960
65. Number Increase (55–59): 80
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 20 — 70. Other (74–77): 5

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)

94. Contract No. (25–29) — CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Guzzler Materials (4 units)	300/unit		$1200			
Installation Contract (4 units)	400/unit			$1600		
Fence Material						264.[illegible]
TOTALS Materials			$1200			
Labor/Equipment				$1600		

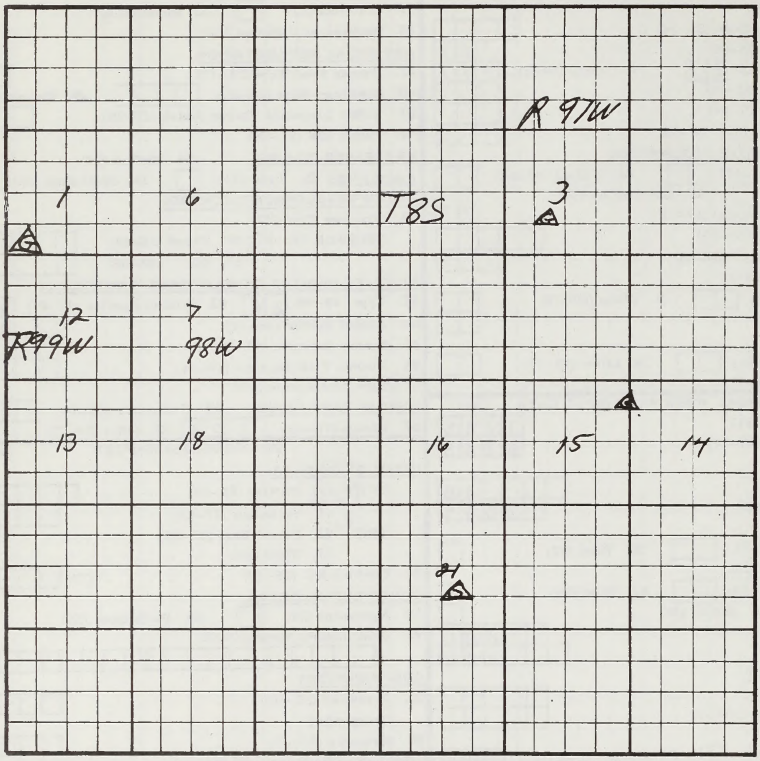
Form 1630–8 (November 1972)

JOB IDENTIFICATION | STATE C O | DISTRICT 0 7 | JOB NUMBER

VI – LOCATION PLAT

T. 7 S, R. 97 W.
T. 1 0 S. R. 98 & 99 W.

Scale 1 inch = 1 Mile
Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Install 4 bird guzzlers to improve water distribution for chukar.
Habitat Classification: Important
Habitat Condition: Unsatisfactory
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: Medium
Special Significance:

repared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-19E

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Sulphur Gulch PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 05
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 11
18. Elevation (feet) (59–63): 6000
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 20 — 21. Forbs (69–70): 20
22. Browse (71–72): 60

COVER *(Percent)*

23. Vegetative (73–74): 35 — 24. Litter (75–76): 15
25. Bare Ground (77–78): 50

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

TS PLANNED

77. Primary (19–24): 130.0
78. Secondary (25–29): PIED

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 2860

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CC
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 10
52. Future SSF (27–28): 50

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 60
65. Number Increase (55–59): 12
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 40 — 70. Other (74–77): 20

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
PJ thinning 130 ac.						266-+
TOTALS Materials						
Labor/Equipment				2860		

Form 1630–8 (November 1972)

286-448

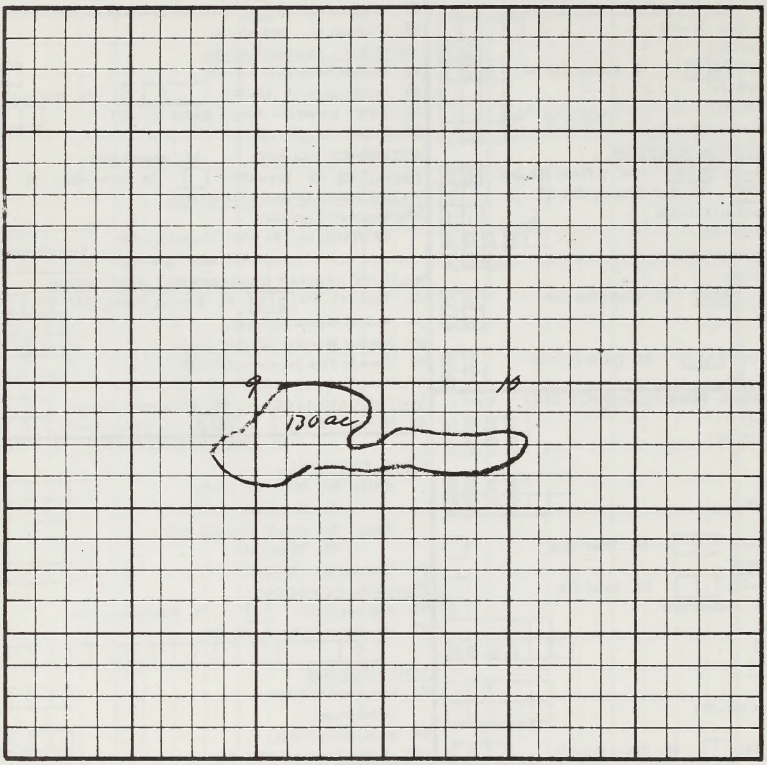
JOB IDENTIFICATION

STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 9 S. R. 9 8 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Thin 130 acres of PJ to increase mule deer forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: Medium
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Cottonwood Thinning

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 70 — 14. % Slope (53–54): 07
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6400
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 25 — 21. Forbs (69–70): 20
22. Browse (71–72): 55

COVER *(Percent)*

23. Vegetative (73–74): 30 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 50

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

TS PLANNED

77. Primary (19–24): 3600
78. Secondary (25–29): PIED

TIME OF AWARD

79. Fiscal Year (30–31)
80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34)
82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 7920

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17)
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 25
52. Future SSF (27–28): 50

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 150
65. Number Increase (55–59): 30
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 85 — 70. Other (74–77): 40

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16)
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS: EA. MILE, ETC. (b)	UNITS: COST (c)	BLM COSTS: MATERIALS (d)	BLM COSTS: CONTRACT (e)	COOPERATOR COSTS: MATERIALS (f)	COOPERATOR COSTS: LABOR (g)
PJ thinning 360 acres @ $22/ac	360 ac			7920		268-F
TOTALS Materials						
Labor/Equipment				7920		

Form 1630–8 (November 1972)

JOB IDENTIFICATION STATE C O DISTRICT 0 7 JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 1 0 S. R. 9 9 W. Meridian

VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Thin 360 acres of PJ to increase mule deer winter forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by S/ Douglas McVean	Title Wildlife Biologist	Date 7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Cottonwood Seeding

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44)
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 70 — 14. % Slope (53–54): 07
15. Exposure (55): 2 — 16. Soil Texture (56): 2
17. Precipitation (inches) (57–58): 12
18. Elevation (feet) (59–63): 6400
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 25 — 21. Forbs (69–70): 20
22. Browse (71–72): 55

COVER *(Percent)*

23. Vegetative (73–74): 30 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 50

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6004

TS PLANNED

77. Primary (19–24): 3600
78. Secondary (25–29): ARTR

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41): 3060
85. Contract (42–47): 1800

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14)

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): 6.0
48. Seedlings/Acre (18–21) — 49. Method (22): 1
51. AUM's Livestock Forage Added (23–26): 25
52. Future SSF (27–28): 40

WATERSHED TILLAGE — 54. Method (29)

FACILITIES 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 150
65. Number Increase (55–59): 35
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)

69. Hunter (70–73): 90 — 70. Other (74–77): 45

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16) .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
Seeding Contract (360 ac)				1800		
Seed Mixture			3060			
Artr	1 lb/ac	4.00				
Atca	2 lb/ac	8.00				
Forb	1 lb/ac	3.00				
Agsm	1 lb/ac	.70				
Orhy	1 lb/ac	1.30				
TOTALS Materials			3060			
Labor/Equipment				1800		

270-F

Form 1630-8 (November 1972)

56-718

JOB IDENTIFICATION

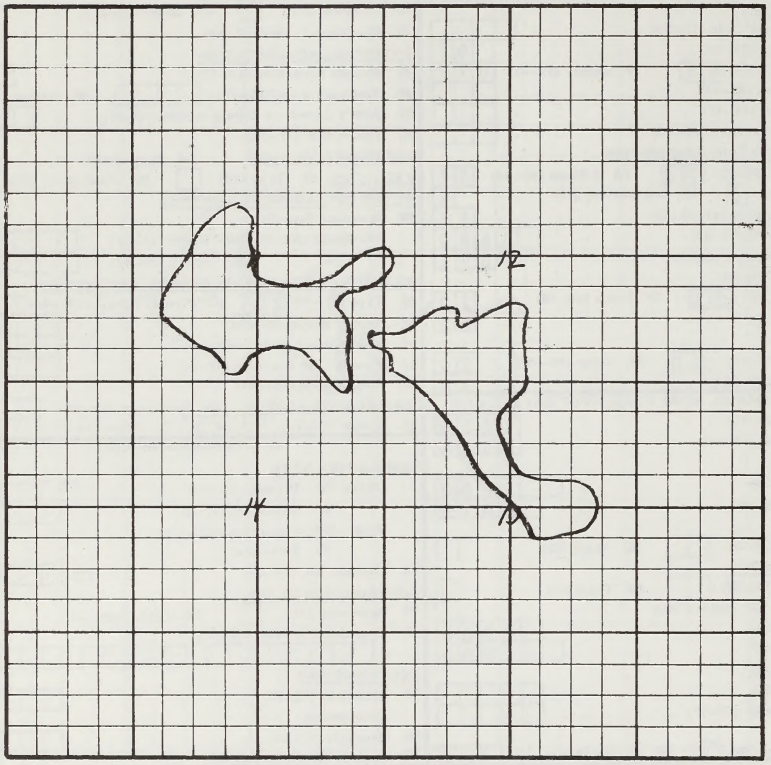
STATE C O DISTRICT 0 7 JOB NUMBER

8-1L2

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 1 0 S. R. 9 9 W. Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Seed 360 acres of PJ thinning to increase mule deer forage.
Habitat Classification: Critical
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

repared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-19E

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JOB DOCUMENTATION REPORT

I – GENERAL DESCRIPTION — Card 1

5. Job Name (11–30): Spear Spring PJ Thin

LOCATION CODES

6. Special Project Code (31–34)
7. Planning Unit (35–36): 07
8. Sub-Basin (37–38): 62 — 9. County (39–41): 077
10. Watershed No. (42–44): 007
11. Allotment No. (45–47)
12. Wildlife Habitat Area (48–50)

SITE AND VEGETATIVE DESCRIPTION

13. Present SSF (51–52): 60 — 14. % Slope (53–54): 12
15. Exposure (55): 1 — 16. Soil Texture (56): 3
17. Precipitation (inches) (57–58): 14
18. Elevation (feet) (59–63): 7000
19. Vegetative Subtype (64–66): 091

COMPOSITION *(Percent)*

20. Grasses (67–68): 20 — 21. Forbs (69–70): 15
22. Browse (71–72): 65

COVER *(Percent)*

23. Vegetative (73–74): 40 — 24. Litter (75–76): 20
25. Bare Ground (77–78): 40

II – ANNUAL WORK PLAN INPUT DATA — Card 2

75. Subactivity (11–14): 1285
Work Job Code (15–18): 6002

TS PLANNED

77. Primary (19–24): 565.0
78. Secondary (25–29): PIED

TIME OF AWARD

79. Fiscal Year (30–31) — 80. Third (32)

TIME OF COMPLETION

81. Fiscal Year (33–34) — 82. Third (35)

BLM COST — 83. Method (36): 1

84. Material (37–41)
85. Contract (42–47): 12430

CONTRIBUTED COST

86. Material (48–52)
87. Labor/Equipment (53–57)

MAINTENANCE

88. Responsibility (58): 1 — 89. Cycle (59–61): 10

JOB IDENTIFICATION

1. State (2–3): CO
2. District (4–5): 07
3. Job No. (6–9)
4. Transaction Code (10): 1

III – JOB DETAILS AND BENEFITS — Card 3

37. Primary Job Objective (11): 7

PLANT AND PEST CONTROL

39. Chemical (12) — 42. Method (13)
45. Mechanical – Method (14): 4

ARTIFICIAL REVEGETATION

47. Pounds Seed/Acre (15–17): .
48. Seedlings/Acre (18–21) — 49. Method (22)
51. AUM's Livestock Forage Added (23–26): 30
52. Future SSF (27–28): 45

WATERSHED TILLAGE — 54. Method (29)

FACILITIES — 55. Type (30) — 56. Other Misc. (31)

WATER DEVELOPMENT/CONTROL

59. Structure Type (32)
STORAGE (Ac. Ft.) 60. Flood (33–38)
61. Silt (39–44)

WILDLIFE HABITAT DEVELOPMENT/PROTECTION

62. Type (45–46): 21 — 63. Primary Species (47–49): 103
64. Animal Months (50–54): 350
65. Number Increase (55–59): 70
66. Pounds Fish Increase (60–64)
67. Rare/Endangered (65)

VISITOR DAYS ADDED — 68. Fisherman (66–69)
69. Hunter (70–73): 200 — 70. Other (74–77): 10

IV – PROGRESS REPORT — Card 4

COMPLETION DATA

UNITS 90. Primary (11–16): .
91. Secondary (17–21)
TIME 92. Fiscal Year (22–23)
93. Third (24)
94. Contract No. (25–29) CT

CONTRIBUTION DETAIL

95. Agreement (30) — 96. Participant (31)
97. Contributor's Name (32–51)

CONTRIBUTIONS

98. Deposited (52–56)
Undeposited
99. Materials (57–61)
100. Labor/Equipment (62–66)

V – DETAIL ESTIMATE OF UNITS AND COSTS

WORK DESCRIPTION AND MATERIALS (a)	UNITS EA. MILE, ETC. (b)	UNITS COST (c)	BLM COSTS MATERIALS (d)	BLM COSTS CONTRACT (e)	COOPERATOR COSTS MATERIALS (f)	COOPERATOR COSTS LABOR (g)
PJ Thinning 565 ac @ $22/ac min. would recommend $35/40/ac						272-F
TOTALS Materials						
Labor/Equipment				12,430		

Form 1630–8 (November 1972)

E86-778

JOB IDENTIFICATION

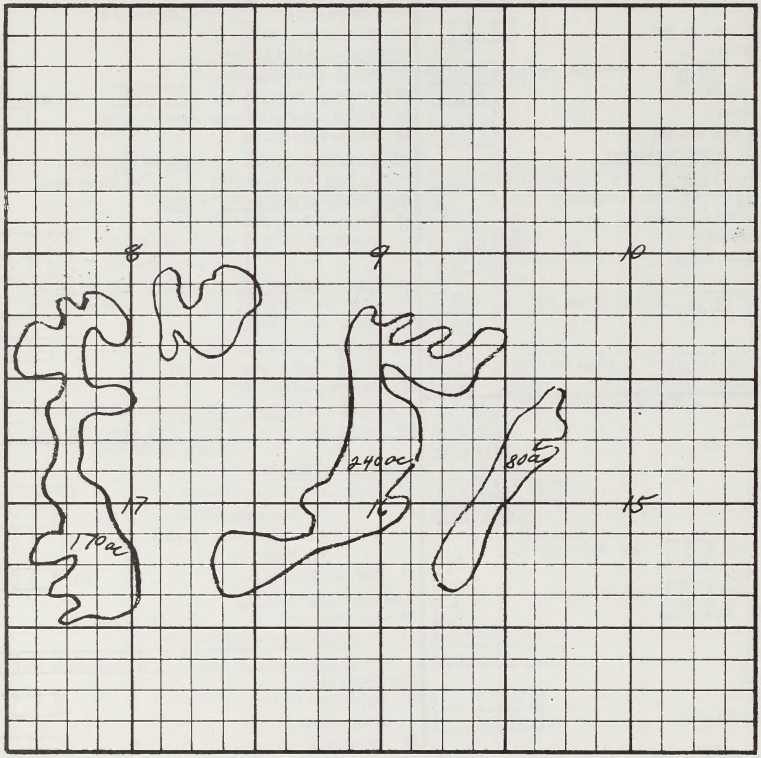
STATE | C | O | DISTRICT | 0 | 7 | JOB NUMBER

VI – LOCATION PLAT

Scale 1 inch = 1/2 Mile

T. 8 S. R. 9 8 W.

Meridian



VII – NARRATIVE DESCRIPTION OR JUSTIFICATION

Thin 565 acres of PJ to increase mule deer forage.
Habitat Classification: Important
Habitat Condition: Deteriorating
Bureau Planning Coverage: MFP (1971) HMP (1975)
Public Demand for Outputs: High
Special Significance:

Prepared by	Title	Date
S/ Douglas McVean	Wildlife Biologist	7/75
Approved by	Title	Date

GPO 853-196

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	November 1976
State	Colorado
Subactivity	1285
Priority	1

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: 4-A and Brush Mtn. Roads

b. Road System Name *(if applicable)*:

2. Project *(no.)*:

3. County *(name)*:

4. Congressional District:

5. Geographic Location *(distance and direction from nearest town)*

30 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS* NO. (b)	UNITS* TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition										
2. Survey and Design										
3. Construction Project Features										
Record search and clarify with county		1	MM	1.5						1.5
Survey property lines		3	MM		4.5					4.5
4. Subtotal										6.0
5. Service Center S&D										
6. Total Construction Cost**										
7. Maintenance Cost										
8. Total State Man-Months		4	MM							
a. Construction	P									
	T									
b. Maintenance	P									
	T									

C. PROJECT DESCRIPTION

1. Narrative Summary

The present status of these two roads needs to be clarified. Garfield County shows these as county roads but no county maintenance has occurred in recent years. Locked gates and no trespassing signs have occurred along these roads. Locate NRL boundaries along the road and sign.

* Acres, Miles, Square feet, etc. Enter OTU for all recreation sites if appropriate.

** Except for BY, include 5% administrative charge, and 15% per year for inflation.

(Continued on reverse)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Date	1/27/77
State	Colorado
Subactivity	3100
Priority	2

CONSTRUCTION PROJECT ANALYSIS

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name North Dry Fork Road (Easement Acquisition)		b. Road System Name *(if applicable)*
2. Project *(no.)*	3. County *(name)* Garfield	4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*
Approximately 15 miles west and north of Debeque, Colorado.

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) 78 BY (d)	79 PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition		1	ea.			5.8				5.8
2. Survey and Design										
3. Construction Project Features										
Survey 2 MM		8	mi.		3.6					3.6
Appraisal Contract					3.0					3.0
Road Construction		3	mi.				10.0			10.0
Easement Prep. 2 MM		2	MM		1.8	1.8				3.6
Contract Supervision		2	MM				3.6			3.6
1285 Activity				(1285)						
Re. Analysis		1	MM	1.7						
EAR		1	MM	1.7						
4. Subtotal				(3.4)	8.4	7.6	13.6			29.6
5. Service Center S&D										
6. Total Construction Cost *										
7. Maintenance Cost								1.0	0.5	
8. Total State Man-Months				(2)	3	1	1	0.2	0.1	
a. Construction	P			(2)	2	1	1			
	T				1					
b. Maintenance	P									
	T							0.2	0.1	

C. PROJECT DESCRIPTION

1. Narrative

1. Location. Portions of Sections 27, 28, 29, 30, T.7S., R.99W., and Sections 21, 22, 23, 25, 28, 29 and 30, T.7S., R.100W., in Grand Junction Resource Area to provide access to approximately 16,000 acres of national resource land. The attached map shows easement requested and connecting roads.

The need for this road is based on the recommendations of the Roan Creek-Winter Flats MFP and Roan Creek HMP for the following specific purposes:

Public access within the North Dry Fork area is very limited. All roads within this area cross private lands. Landowners are very reluctant to open these roads for public use, particularly during the hunting seasons. Numerous complaints are received each year by the Grand Junction Resource Area personnel. Landowners lease the hunting rights to outfitters. The majority of the actual hunting is done on national resource land. Therefore, due to the blocked access problem, hunting on national resource land in this area is limited to a selected few. BLM personnel also have a difficult time properly supervising the range program as they are often confronted with locked gates.

Current guidelines call for public access prior to expenditure of public funds on national resource land. An AMP is being provided before implementing the AMP.

3. The proposed access will benefit resource activities and affect BLM goals as follows:

Recreation will be greatly enhanced by providing hunter access. The range program will benefit as range supervision can be properly exercised.

295

* *Except for BY, include 5% administrative charge, and 15% per year for inflation.*

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

1. South Dry Fork Road

3. Status of survey and design

To be completed in FY 79.

4. Status of land or easement acquisition

To begin in FY 80.

962

5. Is there a completed MFP for this area? [X] yes [ ] no
Has an activity plan or special area plan been completed? [ ] yes [ ] no *(If "yes," give name)*

Roan Creek HMP

6. Has an environmental analysis been made for this project? [ ] yes [X] no *(If "yes," was it* [ ] *prior to* [ ] *during* [ ] *after S&D? If "no," explain how and when the environmental impacts were considered)*

Analysis to be completed in FY 78.

7. How do you propose to accomplish the design of this project?
a. [ ] A&E Contract b. [ ] Service Center c. [X] State Office d. [ ] Combination of b and c

District survey and design with S.O. assistance.

8. Describe flood hazard and mitigating features planned

None

Continuation of Narrative *(attach additional sheet, if necessary)*

4. Proposed Action

An existing road is present where the easement is proposed. It is desirable to have a single lane, light duty road of approximately 12 ffet in width, turnouts to be provided at appropriate locations. The road is not proposed to be graveled at the present time; however, two or three drainage crossings will have to be provided. The road will provide service between June 1 and November 1. Yearly maintenance will be necessary, preferably during the early summer. The easement shall be nonexclusive.

276

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	November 1976
State	Colorado
Subactivity	3100
Priority	3

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Head of Roan Creek Road		b. Road System Name *(if applicable)*
2. Project *(no.)*	3. County *(name)*: Garfield	4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*

25 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition		6	ac			1.2				1.2
2. Survey and Design		2	MM		3					3
3. Construction Project Features										
Road Construction		1½	miles				30			30
Easement Acquisition		2	MM			6				6
Contract Supervision		2	MM				3.0			3.0
1285 Activity				(1285)	(1285)					
Co. Rd. record Search		1	MM		(1.5)					
Route Analysis		0.5	MM	0.8						
EAR		0.5	MM	0.8						
4. Subtotal				(1.6)	(1.5) 3	7.2	33.0			43.2
5. Service Center S&D										
6. Total Construction Cost*										
7. Maintenance Cost								1.0	0.5	
8. Total State Man-Months				(1)	(1) 2	2	2	0.5	0.2	
a. Construction	P			(1)	(1) 1	1				
	T				1	1	2			
b. Maintenance	P									
	T							0.5	0.2	

C. PROJECT DESCRIPTION

1. Narrative

Approximately 3/4 mile of easement is needed across private land and 1½ miles of road construction. The status of the county road from Laimqe locked gate down 3 miles also needs clarification.

* *Except for BY, include 3% administrative charge, and 15% per year for inflation.*

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

Roan Creek HMP

3. Status of survey and design

To begin in FY 1979

4. Status of land or easement acquisition

To begin in FY 1979

5. Is there a completed MFP for this area? ☒ yes ☐ no
Has an activity plan or special area plan been completed? ☒ yes ☐ no *(If "yes," give name)* BLZ

Roan Creek HMP

6. Has an environmental analysis been made for this project? ☐ yes ☒ no *(If "yes," was it* ☐ *prior to* ☐ *during* ☐ *after S&DP. If "no," explain how and when the environmental impacts were considered)*

To be completed in FY 1978

7. How do you propose to accomplish the design of this project?
a. ☐ A&E Contract b. ☐ Service Center c. ☐ State Office d. ☒ Combination of b and c

Aerial photography

8. Describe flood hazard and mitigating features planned

None

Continuation of Narrative *(attach additional sheet, if necessary)*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	11/29/76
State	Colorado
Subactivity	3100
Priority	4

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Carr Cr. Trail

b. Road System Name *(if applicable)*:

2. Project *(no.)*:

3. County *(name)*: Garfield

4. Congressional District:

5. Geographic Location *(distance and direction from nearest town)*

30 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition										
2. Survey and Design		2	MM		3					3
3. Construction Project Features (Trail		1	MM							-
Materials					1					1
1285 Activity				(1285)						
Route Analysis		0.5	MM	0.8						
EAR		0.5	MM	0.8						
4. Subtotal				(1.6)	4.0					4.0
5. Service Center S&D										
6. Total Construction Cost*										
7. Maintenance Cost										
8. Total State Man-Months				(1)	2					
a. Construction	P			(1)						
	T				2					
b. Maintenance	P									
	T									

C. PROJECT DESCRIPTION

1. Narrative

Approximately one mile of foot trail will be constructed from the Roan Plateau to Carr Creek in the drainage bottom. This trail will be constructed over several seasons with YCC planning and construction.

** Except for BY, include 5% administrative charge, and 15% per year for inflation.*

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

Roan Creek HMP

3. Status of survey and design

To be completed in FY 1979

4. Status of land or easement acquisition

None

5. Is there a completed MFP for this area? [X] yes [ ] no
Has an activity plan or special area plan been completed? [X] yes [ ] no *(If "yes," give name)*

Roan Creek HMP

282

6. Has an environmental analysis been made for this project? [ ] yes [X] no *(If "yes," was it* [ ] *prior to* [ ] *during* [ ] *after S&D? If "no," explain how and when the environmental impacts were considered)*

To be completed in FY 1978

7. How do you propose to accomplish the design of this project?
a. [ ] A&E Contract b. [ ] Service Center c. [ ] State Office d. [ ] Combination of b and c

District Office

8. Describe flood hazard and mitigating features planned

None

Continuation of Narrative *(attach additional sheet, if necessary)*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date 11/26/76
State Colorado
Subactivity 3100 5
Priority

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name Horse Mtn. Road

b. Road System Name *(if applicable)*

2. Project *(no.)*

3. County *(name)* Garfield

4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*

Twenty miles west of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition		55	ac			11.0				11
2. Survey and Design		8	MM		14.0					14
3 Construction Project Features										
Road Construction		9	Miles				180			180
Easement Acquisition		4	MM			7				7
Contract Supervision		12	MM				20.0			20
1285 Activity										
Route Analysis		1	MM	1.7						
EAR		1	MM	1.7						
4. Subtotal				(3.4)	14.0	18.0	200.0			231.0
5. Service Center S&D										
6. Total Construction Cost *										
7. Maintenance Cost								1.0	0.5	
8. Total State Man-Months				(2)	8	4	12	1	.5	
a. Construction	P			(1)	2	2	1			
	T			(1)	6	2	12			
b. Maintenance	P									
	T							1	0.5	

C. PROJECT DESCRIPTION

1. Narrative

Proposed Action

Public access over seven miles of existing road will provide hunter access. Approximately 4½ miles of easement will be needed.

* *Except for BY, include 5% administrative charge, and 15% per year for inflation.*

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

Roan Creek HMP

3. Status of survey and design

To begin in FY 1979

4. Status of land or easement acquisition

To begin in FY 1979

5. Is there a completed MFP for this area? [X] yes [ ] no
Has an activity plan or special area plan been completed? [X] yes [ ] no *(If "yes," give name)*

282

Roan Creek HMP

6. Has an environmental analysis been made for this project? [ ] yes [X] no *(If "yes," was it* [ ] *prior to* [ ] *during* [ ] *after S&D? If "no," explain how and when the environmental impacts were considered)*

EAR to be completed in FY 1978

7. How do you propose to accomplish the design of this project?
a. [ ] A&E Contract b. [ ] Service Center c. [ ] State Office d. [X] Combination of b and c

Aerial photography

8. Describe flood hazard and mitigating features planned

None

Continuation of Narrative *(attach additional sheet, if necessary)*

2

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	11/29/76
State	Colorado
Subactivity	3100
Priority	6

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

5

A. PROJECT IDENTIFICATION

1a. Project Name: Tater Hills Rd.		b. Road System Name *(if applicable)*
2. Project *(no.)*	3. County *(name)* Garfield	4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*

12 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition		2.2	acre			1				1
2. Survey and Design		2	MM		3					3
3. Construction Project Features										
Cattleguard		1					2			2
Road Construction & Sign		.3	mile				6			6
Easement Acquisition		2	MM			3				3
Contract Supervision		1	MM				1.5			1.5
1285 Activity				(1285)						
Rt. Analysis		0.5	MM	0.8						
EAR		0.5	MM	0.8						
4. Subtotal				(1.6)	3	4	9.5			16.5
5. Service Center S&D										
6. Total Construction Cost *										
7. Maintenance Cost								0.5	0.5	
8. Total State Man-Months				(1)	2	2	1	0.2	0.2	
a. Construction	P			(1)	1	1				
	T				1	1	1			
b. Maintenance	P									
	T							0.2	0.2	

C. PROJECT DESCRIPTION

1. Narrative

An easement is needed across one-fourth mile of private land on an existing road.

243

* Except for BY, include 5% administrative charge, and 15% per year for inflation.

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

Roan Creek HMP

3. Status of survey and design

To begin in FY 1979

4. Status of land or easement acquisition

To begin in FY 1979

5. Is there a completed MFP for this area? [X] yes [ ] no
Has an activity plan or special area plan been completed? [X] yes [ ] no *(If "yes," give name)*

Roan Creek HMP

6. Has an environmental analysis been made for this project? [ ] yes [X] no *(If "yes," was it* [ ] *prior to* [ ] *during* [ ] *after S&D? If "no," explain how and when the environmental impacts were considered)*

To be completed in FY 1978

7. How do you propose to accomplish the design of this project?
a. [ ] A&E Contract b. [ ] Service Center c. [ ] State Office d. [ ] Combination of b and c

District Office

8. Describe flood hazard and mitigating features planned

None

Continuation of Narrative *(attach additional sheet, if necessary)*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	11/29/76
State	Colorado
Subactivity	1285
Priority	6

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Tater Hills Trail

b. Road System Name *(if applicable)*:

2. Project *(no.)*:

3. County *(name)*: Garfield

4. Congressional District:

5. Geographic Location *(distance and direction from nearest town)*

13 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS* NO. (b)	UNITS* TYPE (c)	BY (d)	PY (e)	COST ($1,000's) PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition										
2. Survey and Design		1	MM			1.5				1.5
3. Construction Project Features										
1. Foot Bridge							10			10
Parking Area, Sign										
Contract Supervision		1	MM				1.5			
4. Subtotal										11.5
5. Service Center S&D		2	MM							3
6. Total Construction Cost**										
7. Maintenance Cost										
8. Total State Man-Months										1
a. Construction	P									
	T									
b. Maintenance	P									
	T									

C. PROJECT DESCRIPTION

1. Narrative Summary

A ½-mile wide strip of NRL provides access to a block of NRL from the county road. A short trail and foot bridge is needed to provide hunter access across Roan Creek. At the trail head, a parking area and signs are needed.

* *Acres, Miles, Square feet, etc. Enter OTU for all recreation sites if appropriate.*

** *Except for BY, include 5% administrative charge, and 15% per year for inflation.*

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

3. Status of survey and design

4. Status of land or easement acquisition

5. Is there a completed MFP for this area? ☐ yes ☐ no
Has an activity plan or special area plan been completed? ☐ yes ☐ no *(If "yes," give name)*

ꝺꝼꝾ

6. Has an environmental analysis been made for this project? ☐ yes ☐ no *(If "yes," was it* ☐ *prior to* ☐ *during* ☐ *after S&D? If "no," explain how and when the environmental impacts were considered)*

7. How do you propose to accomplish the design of this project?
a. ☐ A&E Contract b. ☒ Service Center c. ☐ State Office d. ☐ Combination of b and c

8. Describe flood hazard and mitigating features planned

Continuation of Narrative Summary

☆U.S. GOVERNMENT PRINTING OFFICE: 1974-678-612/83 Reg. 8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	11/29/76
State	Colorado
Subactivity	3100
Priority	8

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Bowdish Gulch Trail		b. Road System Name *(if applicable)*
2. Project *(no.)*	3. County *(name)*: Garfield	4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*

9 miles north of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition		1.0	acre			.5				5
2. Survey and Design										
3. Construction Project Features										
Easement Acquisition		2	MM			3				3
Survey & Design		1	MM		1.5					1.5
Trail, Crossing & Signing							16			16
Contract Supervision		2	MM				3			3
1285 Activity				(1285)						
Route Analysis		0.5	MM	0.8						
EAR		0.5	MM	0.8						
4. Subtotal				(1.6)	1.5	8	19			28.5
5. Service Center S&D										
6. Total Construction Cost *										
7. Maintenance Cost								0.5	0.5	
8. Total State Man-Months				(1)	1	2	2	0.2	0.2	
a. Construction	P			(1)		1				
	T				1	1	2			
b. Maintenance	P									
	T							0.2	0.2	

C. PROJECT DESCRIPTION

1. Narrative

A ¼ mile trail from a county road to NRL is needed to provide hunter access. The trail crosses a large wash which will require a foot bridge.

* *Except for BY, include 5% administrative charge, and 15% per year for inflation.*

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

Roan Creek HMP

3. Status of survey and design

To begin in FY 1979

4. Status of land or easement acquisition

To being in FY 1979

5. Is there a completed MFP for this area? [X] yes [ ] no
Has an activity plan or special area plan been completed? [X] yes [ ] no *(If "yes," give name)*

Roan Creek HMP

6. Has an environmental analysis been made for this project? [ ] yes [X] no *(If "yes," was it* [ ] *prior to* [ ] *during* [ ] *after S&D? If "no," explain how and when the environmental impacts were considered)*

382

To be completed in FY 1978

7. How do you propose to accomplish the design of this project?
a. [ ] A&E Contract b. [ ] Service Center c. [ ] State Office d. [X] Combination of b and c

8. Describe flood hazard and mitigating features planned

Bridge constructed to pass 50 yr. flood.

Continuation of Narrative *(attach additional sheet, if necessary)*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	November 1976
State	Colorado
Subactivity	3100
Priority	9

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Hobble Gulch Road

b. Road System Name *(if applicable)*:

2. Project *(no.)*:

3. County *(name)*: Garfield

4. Congressional District:

5. Geographic Location *(distance and direction from nearest town)*

11 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)		UNITS NO. (b)	UNITS TYPE (c)	COST ($1,000's) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition		1	ac			0.2				.2
2. Survey and Design		1	MM		1.5					1.5
3. Construction Project Features										
Easement Acquisition		2	MM			3				3
Road Construction		0.3	Mi.				5			5
Contract Supervision		1	MM				1.5			1.5
1285 Activity				(1285)						
Rt. Analysis		0.5	MM	0.8						
EAR		0.5	MM	0.8						
4. Subtotal				(1.6)	1.5	3.2	6.5			11.2
5. Service Center S&D										
6. Total Construction Cost *										
7. Maintenance Cost								0.5	0.3	
8. Total State Man-Months				(1)	1	2	1	0.2	0.1	
a. Construction	P			(1)	1	1				
	T					1	1			
b. Maintenance	P									
	T							0.2	0.1	

C. PROJECT DESCRIPTION

1. Narrative

Approximately 1/8 mile of easement across private land and 1/4 mile of road construction is needed to connect the county road into an existing road on NRL.

* *Except for BY, include 5% administrative charge, and 15% per year for inflation.*

2. List other program year proposals related to this project

Roan Creek HMP

3. Status of survey and design

To begin in FY 1979

4. Status of land or easement acquisition

To being in FY 1979

5. Is there a completed MFP for this area? [X] yes [ ] no
Has an activity plan or special area plan been completed? [X] yes [ ] no *(If "yes," give name)*

Roan Creek HMP

6. Has an environmental analysis been made for this project? [ ] yes [X] no *(If "yes," was it* [ ] *prior to* [ ] *during* [ ] *after S&D? If "no," explain how and when the environmental impacts were considered)*

To be completed in FY 1978

7. How do you propose to accomplish the design of this project?
a. [ ] A&E Contract b. [ ] Service Center c. [X] State Office d. [ ] Combination of b and c

District Office

8. Describe flood hazard and mitigating features planned

None

Continuation of Narrative *(attach additional sheet, if necessary)*

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	11/29/76
State	Colorado
Subactivity	3100
Priority	9

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Bear Gulch Rd.	b. Road System Name *(if applicable)*
2. Project *(no.)*	3. County *(name)*: Garfield
	4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*

25 miles NW of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)	UNITS* NO. (b)	UNITS* TYPE (c)	COST *($1,000's)* BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition	55	ac				11			11
2. Survey and Design	4	MM				6			6
3. Construction Project Features									
Road construction	7	miles					210		210
Easement Acquisition	4	MM				6			6
Bridge (Carr Cr.)							20		20
Construction Supervision	4	MM					6		6
4. Subtotal									259
5. Service Center S&D	4	MM							6
6. Total Construction Cost**									
7. Maintenance Cost									
8. Total State Man-Months									
a. Construction P									
a. Construction T									
b. Maintenance P									
b. Maintenance T									

C. PROJECT DESCRIPTION

1. Narrative Summary

Access for administration of public use is needed from the Roan Creek drainage to the Roan Plateau. A privately controlled road is present but will require considerable up-grading to meet BLM standards.

* *Acres, Miles, Square feet, etc. Enter OTU for all recreation sites if appropriate.*

** *Except for BY, include 5% administrative charge, and 15% per year for inflation.*

(Continued on reverse)

C. PROJECT DESCRIPTION (CON.)

2. List other program year proposals related to this project

3. Status of survey and design

4. Status of land or easement acquisition

5. Is there a completed MFP for this area? ☐ yes ☐ no
Has an activity plan or special area plan been completed? ☐ yes ☐ no *(If "yes," give name)*

292

6. Has an environmental analysis been made for this project? ☐ yes ☐ no *(If "yes," was it* ☐ *prior to* ☐ *during* ☐ *after S&D? If "no," explain how and when the environmental impacts were considered)*

7. How do you propose to accomplish the design of this project?
a. ☐ A&E Contract b. ☐ Service Center c. ☐ State Office d. ☐ Combination of b and c

8. Describe flood hazard and mitigating features planned

Continuation of Narrative Summary

☆U.S. GOVERNMENT PRINTING OFFICE: 1974-678-612/83 Reg. 8

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONSTRUCTION PROJECT ANALYSIS

Date	Nov. 76
State	Colorado
Subactivity	1285
Priority	10

Instructions: Submit four (4) copies to Director (510) and one (1) copy to DSC (400).

A. PROJECT IDENTIFICATION

1a. Project Name: Brush Creek Trail		b. Road System Name *(if applicable)*
2. Project *(no.)*	3. County *(name)*	4. Congressional District

5. Geographic Location *(distance and direction from nearest town)*

16 miles north of DeBeque, Colorado

B. INPUT BY FISCAL YEAR

DESCRIPTION (a)	UNITS* NO. (b)	UNITS* TYPE (c)	COST (*$1,000's*) BY (d)	PY (e)	PROGRAM YEAR +1 (f)	+2 (g)	+3 (h)	+4 (i)	TOTAL (j)
1. Land or Easement Acquisition	1	acre					.2		.2
2. Survey and Design	1	MM					1.5		1.5
3. Construction Project Features									
Trail Construction	1/8	mile						2	2
Easement Acquisition	2	MM					3		3
Contract Supervision	1	MM						1.5	1.5
4. Subtotal									8.2
5. Service Center S&D									
6. Total Construction Cost**									
7. Maintenance Cost									
8. Total State Man-Months	5								
a. Construction P									
a. Construction T									
b. Maintenance P									
b. Maintenance T									

C. PROJECT DESCRIPTION

1. Narrative Summary

Approximately 1/8 mile of trail easement and trail construction is required from the county road to NRL.

** Acres, Miles, Square feet, etc. Enter OTU for all recreation sites if appropriate.*

*** Except for BY, include 5% administrative charge, and 15% per year for inflation.*

(Continued on reverse)