



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Ely District Office
HC 33 Box 33500
Ely, Nevada 89301-9408



4160 (NV-047)

Steven Carter
Lund, NV 89317

CERTIFIED MAIL NO. Z 425 081 689
Return Receipt Requested

Frank Reid
Lund, NV 89317

CERTIFIED MAIL NO. Z 425 081 690
Return Receipt Requested

NOTICE OF PROPOSED MULTIPLE USE DECISION:

BACKGROUND INFORMATION:

The Resource Management Plan/Environmental Impact Statement and Record of Decision for the Egan Resource Area were issued in September, 1984 and February, 1987, respectively. The Egan Rangeland Program Summary was issued in May of 1988. These documents guide the management of public lands within the following allotments:

Rock Canyon
Big Six Well
Dee Gee Spring
→ North Cove
Sorensen Well
Cattle Camp/Cave Valley
→ Wells Station
Maybe Seeding
Sheep Trail Seeding
East Wells
Brown Knoll
Swamp Cedar

The Egan Resource Area Record of Decision, dated February 1987, states in part:

"Monitoring studies will be used to determine if adjustments in livestock numbers are necessary...All vegetation will be managed for those successional stages which would best meet the objective of this proposed plan..." (short term objectives). "Future adjustments in livestock use will be based on data provided through the rangeland monitoring program" (long term objective).

"Implementation of the range management program will take place through coordination, consultation, and cooperation. Coordinated resource management and planning is an advisory process that brings together all interests concerned with

the management of resources in a given local area (landowners, land management agencies, wildlife groups, wild horse groups, and conservation organizations) and is the recommended public process through which consultation and coordination will take place. Grazing adjustments, if required, will be based upon a combination of reliable vegetation monitoring studies, consultation and coordination, and inventory."

"Range management actions for livestock use and wild horse numbers will be based upon data obtained through the monitoring program and will consider recommendations made through the coordinated resource management and planning process. Actions could include, but will not be limited to, change in seasons-of-use, change in livestock numbers, correction of livestock distribution problems, alteration of the number of wild horses, development of range improvements, and taking site-specific measures to achieve improvements in wildlife habitat."

In accordance with Bureau policy and regulations, monitoring data has been analyzed and evaluated in order to determine progress in meeting management objectives for the twelve allotments covered under this decision. These objectives are in conformance with and formulated to accomplish the Egan Resource Management Plan multiple use objectives as they relate to all grazing use on allotments. See Appendix I for the Land Use Plan and Range Program objectives covering livestock, wildlife and wild horses.

BASED ON RECOMMENDATIONS FROM DISTRICT STAFF, AND INPUT RECEIVED THROUGH CONSULTATION, COORDINATION, AND COOPERATION FROM THE PERMITTEES AND PUBLIC INTEREST GROUPS, THE PROPOSED DECISION IS AS FOLLOWS:

Continue the grazing practices identified in the Livestock Grazing Agreement dated July 25, 1995 for the Carter Cattle Company and Frank Reid. The Biological Plan and grazing practices will continue to be evaluated towards accomplishment of the multiple use objectives. Frank Reid will be authorized to graze cattle within a portion of the Bullwhack Pasture of the Cattle Camp/Cave Valley Allotment as set forth in the Livestock Grazing Agreement. (See Appendix III)

LIVESTOCK MANAGEMENT DECISION

In accordance with 43 CFR 4100.0-8, 4120.3-1(c), 4130.3, 4130.3-1(a) and 4130.3-2, the current livestock authorized use shall be 6,316 AUMs for Carter Cattle Co., and 533 AUMs for Frank Reid.

The authorized use (AUMs) by permittee is as follows:

PERMITTEE: Steven Carter

<u>Total</u>	<u>Authorized Use</u>	<u>Historical Suspended</u>
9,777	6,316*	3,461

*Authorized use total for 12 allotments under Steven Carter's permit.

PERMITTEE: Frank Reid

<u>Total</u>	<u>Authorized Use</u>	<u>Historical Suspended</u>
533	533	0

*Authorized use in the Cattle Camp/Cave Valley Allotment.

The number of animal unit months of specified livestock grazing, historical suspended AUMs, and season of use by allotment is as follows:

<u>Allotment Name</u>	<u>Season of Use</u>	<u>Authorized Use AUMs</u>	<u>Historical Suspended AUMs</u>
Big Six Well	12/1 to 5/31	140*	326
Brown Knoll	11/1 to 5/31	161**	268
Cattle Camp/ Cave Valley	5/15 to 11/30	3,185*	0
Dee Gee Spring	12/1 to 5/31	200*	178
East Wells	12/1 to 5/31	122*	104
Maybe Seeding	12/1 to 5/31	300*	0

North Cove	12/1 to 5/31	879**	881
Rock Canyon	12/1 to 5/31	432*	464
Sheep Trail Seeding	12/1 to 5/31	200*	0
Sorensen Well	12/1 to 5/31	193*	450
Swamp Cedar	12/1 to 5/31	192*	418
Wells Station	12/1 to 5/31	<u>312*</u>	<u>372</u>
	Totals	6,316	3,461

* Authorized use has not changed.

** The Final Multiple Use Decision (FMUD) for the Brown Knoll allotment dated January 19, 1993 allowed for a first year incremental increase of 26 AUMs. In addition, the North Cove Allotment FMUD dated February 2, 1992 includes a first year incremental increase of 147 AUMs.

A term permit will be reissued to Carter Cattle Company and Frank Reid when the Final Multiple Use Decision becomes effective. The new Term Permits will incorporate the terms and conditions of this decision.

In accordance with 43 CFR 4130.3, the following terms and conditions are hereby made part of the respective grazing permits beginning March 1, 1997:

- [1] Carter Cattle Co. will be authorized to make livestock use according to the principles of Holistic Resource Management (HRM) and to use the HRM model as its guide as related to livestock grazing management in the 12 allotments.
- [2] Carter Cattle Co. will be authorized the flexibility to graze the public lands of the 12 allotments for the prescribed season at initially 6,316 AUMs of livestock in accordance with an annually submitted biological plan. The annual grazing plan will include a grazing schedule for the year. The schedule of moves will be based upon pasture carrying capacity, forage availability, current growing condition, quality of forage, planned rest periods, and any changes as a result of the previous year's evaluation by the team. The team is made up of a Permittee, Bureau of Land Management, Nevada Division of Wildlife, and Natural Resources Conservation Service personnel.
- [3] Where the HRM team determines that additional forage is available, the annual biological plan will include a

recommendation that additional forage be authorized. BLM will evaluate the team's recommendation as included in the annual biological plan. If BLM concurs with the team's annual recommendation, additional forage temporarily available may be apportioned on a nonrenewable basis for the term of the agreement.

- [4] Conditions such as drought, weather, fire, or vegetation availability may require a modification of authorized grazing use.
- [5] When a pasture shows more available forage (or less grazing use) than planned, cattle may remain longer (not exceeding the season- of-use) or may return to the pasture within the grazing year as forage availability and production allows.
- [6] Steven Carter's designated use areas within the Cattle Camp/Cave Valley Allotment will be the Cattle Camp Pasture, the north/east portions of the Bullwhack pasture and the North Seeding. Which areas used will depend upon the grazing schedule presented in the annual biological plan.
- [7] Frank Reid's designated use area will be the south portion of the Bullwhack pasture or the Silver use area (see Appendix II for map). Steven Carter of Carter Cattle Co. will be responsible for building the fence. Frank Reid will have the fence maintenance responsibility.
- [8] Frank Reid's period of use and authorized use in this designated area is 5/15 to 11/30 and 533 AUMs, respectively.
- [9] Certified actual use report by use area, pasture and allotments is due 15 days after the end of the authorized grazing period.

RATIONALE:

Monitoring studies support the conclusion that, as currently authorized, livestock use does not exceed proper use levels in the 11 White River Valley allotments and in the designated use pastures of the Cattle Camp/Cave Valley Allotment. Designation of use areas for Steven Carter and Frank Reid will make the users solely accountable for the condition of the range they use. Recent elk census show that elk numbers are increasing within the Cattle Camp/Cave Valley Allotment. Elk use on the upland areas of this allotment is not a problem at this time even though there is a dietary overlap with cattle for key forage species. However, elk habitat objectives, populations and ecosystem impacts will be addressed in future evaluations, and an area wide elk management plan.

As of 1993 Carter Cattle Co. has not grazed in common with Frank Reid within the Cattle Camp/Cave Valley Allotment because of different livestock management practices. Steven Carter of Carter Cattle Co. and Frank Reid have agreed to graze their cattle separately in order for Carter Cattle Co. to practice the principles of HRM and Frank to have his own specific use area (see Appendix II for map). This map shows the fence boundary different from the map in appendix IV of the agreement. A task force was conducted on October 26, 1995. The findings from this task force resulted in the relocation of the proposed fence for the ease of building the fence and mitigating archeological conflicts.

The agreed upon changes in livestock use are made in order to achieve the management objectives for the public lands under Bureau of Land Management (BLM) control identified in the Egan Resource Area Land Use Plan (LUP), which are specifically related to authorized grazing use on the above 12 allotments (see Appendix II for allotment location maps).

AUTHORITY: The authority for this decision is contained in Title 43 of the code of Federal Regulations, which states in pertinent part:

4100.0-8: "The authorized officer shall manage livestock grazing on public lands under the principles of multiple use and sustained yield, and in accordance with applicable land use plans. Land use plans shall establish allowable resource uses (either singly or in combination), related levels of production or use to be maintained, areas of use, and resource condition goals and objectives to be obtained. The plans also set forth program constraints and general management practices needed to achieve management objectives. Livestock grazing activities and management actions approved by the authorized officer shall be in conformance with the land use plan as defined at 43 CFR 1601.0-5(b)."

4120.3-1(c): "The authorized officer may require a permittee or lessee to maintain and/or modify range improvements on the public lands under 4130.6-2 of this title."

4130.3: "Livestock grazing permits and leases shall contain terms and conditions determined by the authorized officer to be appropriate to achieve the management and resource condition objectives for the public lands and other lands administered by the Bureau of Land Management..."

4130.3-1(a): "The authorized officer shall specify the kind and number of livestock, the period(s) of use, the allotment(s) to be used, and the amount of use, in animal unit months, for every grazing permit or lease. The authorized livestock grazing use shall not exceed the livestock carrying capacity of the allotment."

PROTEST:

Any applicant, permittee, lessee, or other affected interest may protest the livestock grazing portion of this proposed multiple-use decision under Sec. 43 CFR 4160.1, in person or in writing to Hal M. Bybee, Assistant District Manager (ADM), Renewable Resources, BLM, Ely District Office, HC 33 Box 33500, Nevada 89301-9408, within 15 days after receipt of such decision. The protest, if filed, should clearly and concisely state the reason(s) as to why the proposed decision is in error. Subsequent to the protest period, a final multiple-use decision will be issued specifying the appeal procedures. The final decision may be modified in light of pertinent information brought forth during the protest period.

WILD HORSE AND BURRO MANAGEMENT DECISION

Manage the wild horses on the allotment at appropriate management level of 14 animals yearlong (168 AUMs) + or - 15% which has been determined to be an optimum level to maintain the thriving ecological balance for that portion of the White River HMA within the Wells Station Allotment. The appropriate management level (AML) has been previously established for five other allotments within the HMA through the allotment evaluation/multiple use decision process. Those five allotments and the AML established are Hardy Springs - 24, North Cove - 0, Duck Water - 10, and Cove - 42. The setting of wild horse numbers by allotment is part of a process that provides for an overall HMA wild horse AML. Wild horse removals will occur on an HMA basis and numbers will be maintained at or near the total AML. Therefore, the AML for the entire HMA will be 90 wild horses + or - 15%. Numbers within allotments may be higher or lower than the numbers identified above because of seasonal movements, but the total AML for the HMA will be maintained.

Of the 12 allotments affected by this Proposed Multiple Use Decision (PMUD), only two (North Cove and Wells Station) provide habitat for wild horses within the White River herd management area.(HMA). This wild horse and burro management decision, therefore, only affects the Wells Station Allotment portion of the White River HMA. A Proposed Multiple Use Decision was previously issued December 7, 1992 for the Wells Station Allotment.

In accordance with 43 CFR 4700.0-6(a), wild horse use on the Wells Station Allotment shall be managed at 14 animals yearlong + or - 15%, which establishes a wild horse management range of 12 to 16 wild horses yearlong.

In accordance with 43 CFR 4720.1, all wild horses in excess of the appropriate management level of 14 + or - 15% animals will be removed.

Adjustments in wild horse numbers will be made by future White River Herd Management Area gathers based on continued monitoring, in order to achieve and maintain the established AML.

RATIONALE:

The Wells Station Allotment is an area where animals remain on a year-round basis and monitoring data suggests animals are year-long residents. The analysis and evaluation of available monitoring data indicates that management actions for wild horses must be modified to meet multiple use management objectives on the Wells Station Allotment as identified in Appendix I. The data indicate that there are 168 AUMs available for wild horse use. The removal of excess wild horses is necessary to establish and maintain a thriving natural ecological balance and prevent a deterioration of the rangeland resources.

AUTHORITY:

The authority for this decision is contained in Sec.3(a) and (b) of the Wild-Free Roaming Horse and Burro Act (P.L. 92-195) as amended and in Title 43 of the Code of Federal Regulations, which states in pertinent parts:

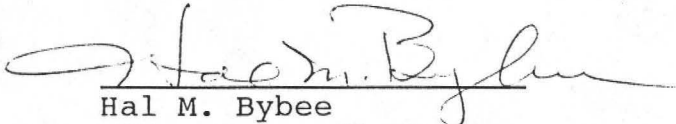
4700.0-6(a): "Wild horses and burros shall be managed as self-sustaining populations of healthy animals in balance with other uses and the productive capacity of their habitat."

4710.4: "Management of wild horses and burros shall be undertaken with the objective of limiting the animals distribution to herd areas. Management shall be at the minimum level necessary to attain the objectives identified in approved land use plans and herd management area plans,"

4720.1: "Upon examination of current information and a determination by the authorized officer that an excess of wild horses or burros exists, the authorized officer shall remove the excess animals immediately..."

PROTEST:

Although the 4700 regulations allow for an appeal with no mention of a protest, for the purpose of consistency with the livestock management portion of this decision, the entire multiple use decision is initially being sent as a "Proposed" decision. If you wish to protest this decision, in whole or part, you are allowed fifteen (15) days from receipt of this notice within which to file a protest with Hal M. Bybee, Assistant District Manager, Renewable Resources, BLM, HC 33 Box 33500, Ely, Nevada 89301-9408. Subsequent to the protest period, a final decision will be issued, regardless of whether or not any protests were received. The final decision may be modified in light of pertinent information brought forth during the protest period.



Hal M. Bybee
ADM - Renewable Resources

	Certified Mail #
cc: Nevada Division of Wildlife, Region II	Z 425 081 691
Nevada Division of Wildlife, Region III	Z 425 081 692
Nevada Division of Wildlife, Ely Office (c/o Curtis A. Baughman)	Z 425 081 693
Nevada Division of Wildlife, Eureka Office (c/o Mike Podborny)	Z 425 081 694
U.S. Fish and Wildlife Service(Reno)	Z 425 081 695
Nevada State Grazing Board N-4	Z 425 081 696
Resource Concepts, Inc.	Z 425 081 697
Natural Resources Defense Council	Z 425 081 698
The Wilderness Society	Z 425 081 699
Nevada Farm Bureau	Z 425 081 700
Sierra Club	Z 425 081 701
Nye County Commissioners	Z 425 081 702
Animal Protection Institute	Z 425 081 703
Commission for the Preservation of Wild Horses & Burros	Z 425 081 704
Wild Horse Organized Assistance	Z 425 081 705
International Society for the Protection of Mustangs and Burros	Z 425 081 706

APPENDIX I

LAND USE PLAN (LUP) OBJECTIVES

- a. Rangeland Management - "ALL vegetation will be managed for those successional stages which would best meet the objective of this proposed plan." (Egan Resource Area Record of Decision (ROD), p.3)
- b. Wild Horses - "Wild horses will be managed at a total of 20 animals within the White River HMA." (Egan ROD, p.6)*
- "Future adjustments in wild horse numbers will be based on data provided through the rangeland monitoring program." (Egan ROD, p.8)
- * The 20 horses yearlong identified in the ROD is no longer a valid Appropriate Management Level (AML). The Interior Board of Land Appeals (IBLA) June 7, 1989 decision (IBLA 88-591, 88-638, 88-648, 88-679) ruled in part: "an AML established purely for administrative reasons because it was the level of wild horse use at a particular point in time cannot be justified under the statute." The IBLA further ruled that AML must be established through monitoring "in terms of the optimum number which results in a thriving natural ecological balance and avoids deterioration of the range."
- c. Wildlife - "Habitat will be managed for 'reasonable numbers' of wildlife species as determined by the Nevada Division of Wildlife." (Egan ROD, p.6)
- "Forage will be provided for 'reasonable numbers' of big game as determined by the Nevada Division of Wildlife." (Egan ROD, p.8)
- d. Watershed - "Establish utilization limits to maintain cover, plant vigor and soil fertility in consideration of plant phenology, physiology, terrain, water availability, wildlife needs, grazing system and aesthetic values." (Egan ROD p.44)

RANGELAND PROGRAM SUMMARY (RPS) OBJECTIVES BY ALLOTMENT

Big Six Well

a. Livestock Management Objectives

- (1) Provide forage for up to 110 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed Nevada Rangeland Monitoring Handbook (NRMH) levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife as follows:
2 AUMs for antelope.

Brown Knoll

a. Livestock Management Objectives

- (1) Provide forage for up to 135 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows:
deer 312 AUMs, antelope 4 AUMs.
- (2) Maintain mule deer winter range and antelope summer range in good or better condition.
- (3) Potential antelope reintroduction area.

Cattle Camp/Cave Valley

a. Livestock Management Objectives

- (1) Provide for up to 5,934 AUMs of livestock use.
- (2) Maintain seedings in good or better condition.
- (3) Maintain or improve current ecological condition of native range,
- (4) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows:
deer 1,123 AUMs, elk 868 AUMs.
- (2) Maintain elk yearlong and mule deer summer habitat in good or better condition.
- (3) Improve and maintain habitat condition of meadows and riparian areas in fair to good or better for elk, mule deer, sage and blue grouse.
- (4) Protect sage grouse breeding complexes.

Dee Gee Spring

a. Livestock Management Objectives

- (1) Provide forage for up to 200 AUMs of livestock use.
- (2) Maintain the seeding in current condition or better.
- (3) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 2 AUMs.
- (2) Maintain antelope yearlong habitat in good or better condition.

East Wells

a. Livestock Management Objectives

- (1) Provide forage for up to 115 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 4 AUMs.
- (2) Potential antelope reintroduction area.

Maybe Seeding

a. Livestock Management Objectives

- (1) Provide forage for up to 299 AUMs of livestock use.
- (2) Maintain the seeding in good or better condition.
- (3) Maintain present satisfactory levels of utilization.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 2 AUMs.
- (2) Potential antelope reintroduction area.

North Cove

a. Livestock Management Objectives

- (1) Provide forage for up to 732 AUMs of livestock use.
- (2) Maintain the seeding in current condition or better.
- (3) Improve livestock distribution on the allotment.

- (4) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (5) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 232 AUMs, antelope 5 AUMs.
- (2) Maintain mule deer spring habitat in good or better condition.
- (3) Potential antelope reintroduction area.

c. Wild Horse Management Objectives

- (1) Initially manage rangeland habitat to support an Appropriate Management Level (AML) of 2 horses in the North Cove Allotment as part of the White River HMA.
(see * on page 11)
- (2) Provide forage for up to 27 AUMs of wild horse use.
(see * on page 11)

Rock Canyon

a. Livestock Management Objectives

- (1) Provide forage for up to 432 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 58 AUMs, antelope 3 AUMs.
- (2) Maintain or improve mule deer and antelope yearlong habitat to a good or better condition.
- (3) Potential antelope reintroduction area.

Sheep Trail Seeding

a. Livestock Management Objectives

- (1) Provide forage for up to 196 AUMs of livestock use.
- (2) Maintain the seeding in good or better condition.
- (3) Maintain present satisfactory levels of utilization.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 1 AUM.
- (2) Potential antelope reintroduction area.

Sorensen Well

a. Livestock Management Objectives

- (1) Provide forage for up to 193 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 35 AUMs, antelope 4 AUMs.
- (2) Maintain mule deer spring habitat in a good or better condition.
- (3) Potential antelope reintroduction area.

Swamp Cedar

a. Livestock Management Objectives

- (1) Provide forage for up to 192 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.

- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 14 AUMs, antelope 6 AUMs.
- (2) Maintain mule deer spring habitat in good or better condition.
- (3) Maintain habitat condition of dry meadows and swamp cedar areas in good or better condition for pronghorn antelope and all wildlife species.
- (4) Protect ferruginous hawk nest site integrity including prey base habitat.
- (5) Potential antelope reintroduction area.

Wells Station

a. Livestock Management Objectives

- (1) Provide forage for up to 217 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

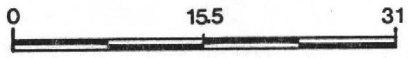
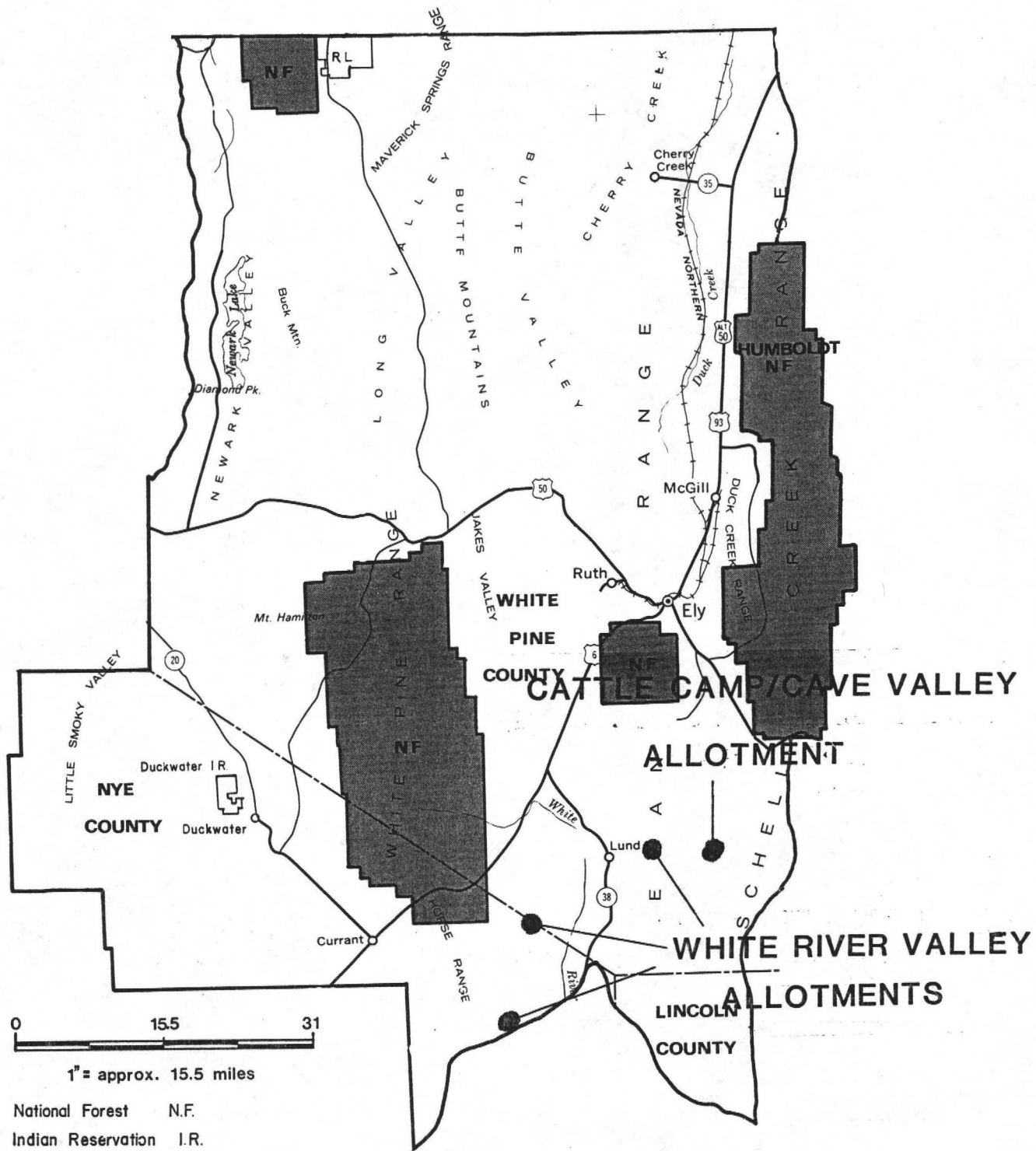
b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 39 AUMs, antelope 6 AUMs.
- (2) Maintain mule deer yearlong habitat in good or better condition.
- (3) Potential antelope reintroduction area.

c. Wild Horse Management Objectives

- (1) Initially manage rangeland habitat to support an Appropriate Management Level (AML) of 6 horses in the Wells Station Allotment as part of the White River HMA. (See * on page 11)
- (2) Provide forage for up to 67 AUMs of wild horse use.

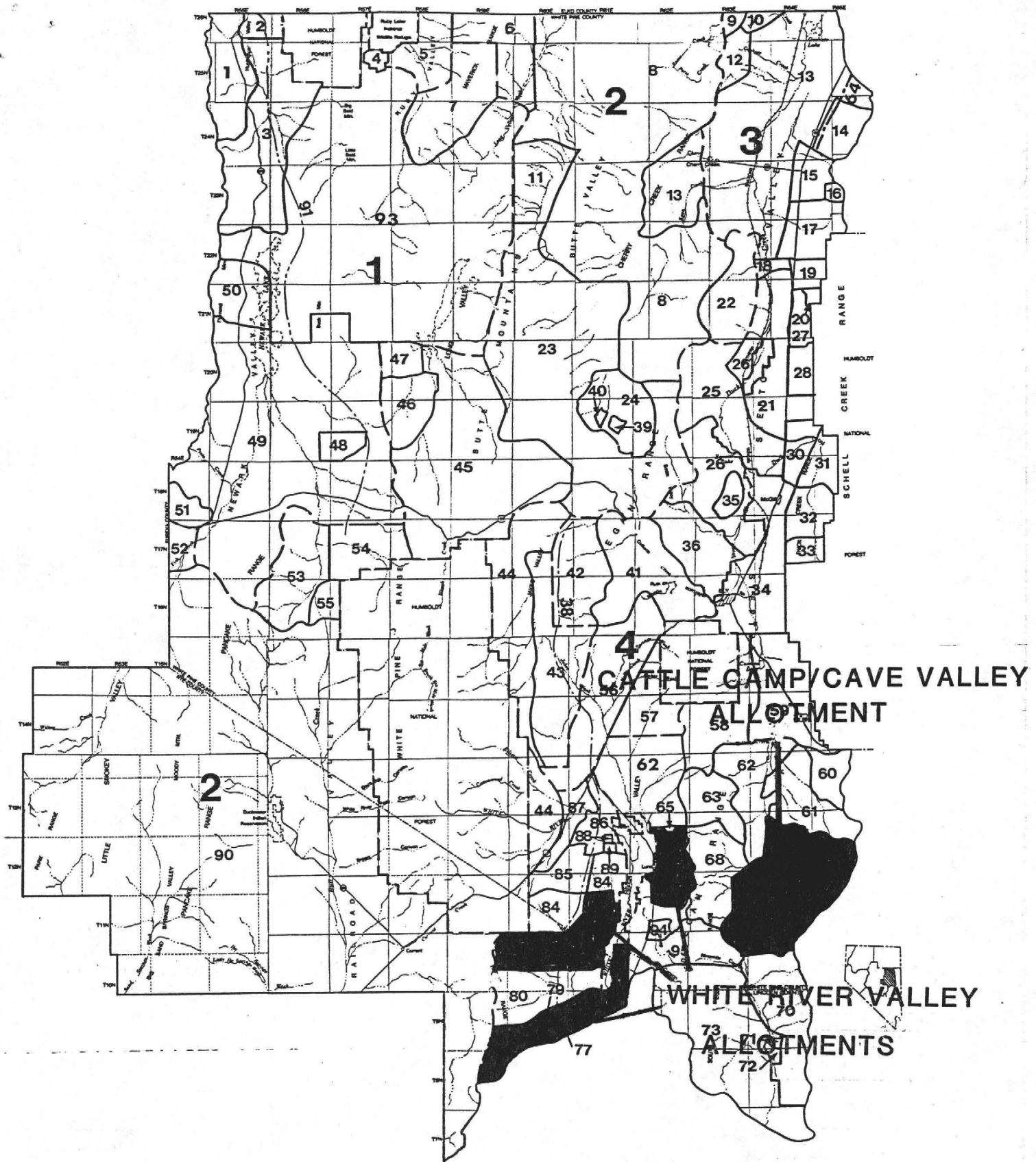
APPENDIX II



1" = approx. 15.5 miles

National Forest N.F.
 Indian Reservation I.R.
 Ruby Lake R.L.

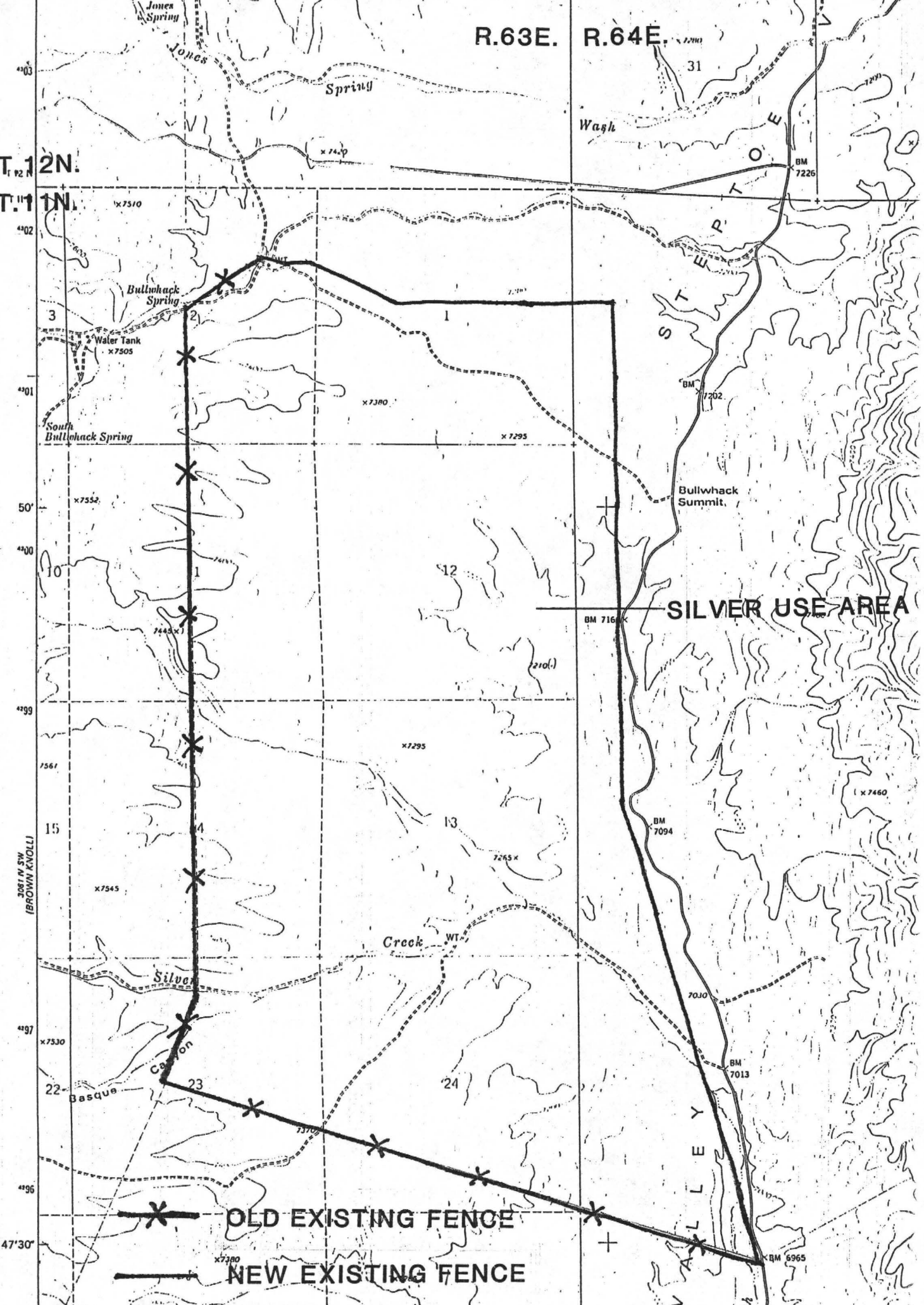
EGAN R.A.
ELY DISTRICT
 BUREAU OF LAND MANAGEMENT
 U. S. DEPARTMENT OF THE INTERIOR



R.63E. R.64E.

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SILVER USE AREA

 OLD EXISTING FENCE
 NEW EXISTING FENCE

APPENDIX III

AGREEMENT FOR IMPLEMENTATION OF CHANGES IN
AVAILABLE LIVESTOCK FORAGE OR LIVESTOCK
GRAZING USE ADJUSTMENTS FOR CARTER CATTLE CO.
HOLISTIC RESOURCE MANAGEMENT (HRM).

I. INTRODUCTION

This agreement documents the changes in livestock grazing use from present which result in a change in available livestock forage (active grazing preference) or changes in existing livestock grazing practices on the following allotments:

- | | |
|----------------------------|-----|
| 1) Rock Canyon | (C) |
| 2) Big Six Well | (C) |
| 3) Dee Gee Spring | (C) |
| 4) North Cove | (I) |
| 5) Sorensen Well | (C) |
| 6) Cattle Camp/Cave Valley | (I) |
| 7) Wells Station | (I) |
| 8) Maybe Seeding | (M) |
| 9) Sheep Trail Seeding | (M) |
| 10) East Wells | (C) |
| 11) Brown Knoll | (I) |
| 12) Swamp Cedar | (M) |

The agreed upon changes in livestock use, as documented below, are made in order to achieve the management objectives for the public lands under Bureau of Land Management (BLM) control identified in the Egan Resource Area land use plan (LUP), which are specifically related to authorized grazing use on the above 12 allotments. The purpose of this Holistic Resource Management (HRM) agreement is to document Steven Carter's implementation of a HRM plan on the above 12 allotments located in White River and Cave Valleys. The BLM agrees to initially allow Steven Carter the flexibility to graze livestock on public lands not to exceed 6,316 AUMs (as agreed upon in a meeting with Steven Carter and Gilbert Griffin on April 2, 1993) in accordance with an annually submitted biological plan*. The biological plan shall be reviewed and approved annually by the authorized officer prior to implementation. This agreement was prepared using careful and considered consultation, cooperation, and coordination with affected permittees.

* See Appendix III for a explanation of the Carter Cattle Company's Biological Plan.

II. ANALYSIS, INTERPRETATION AND EVALUATION OF MONITORING DATA

The multiple use objectives for the 12 Allotment are as follows:

1. Land Use Plan Objectives:

- a. Rangeland Management - "All vegetation will be managed for those successional stages which would best meet the objective of this proposed plan." (Egan Resource Area Record of Decision (ROD), p.3)
- b. Wildlife - "Habitat will be managed for "reasonable numbers" of wildlife species as determined by the Nevada Department of Wildlife." (Egan ROD, p.6)
- "Forage will be provided for 'reasonable numbers' of big game as determined by the Nevada Department of Wildlife." (Egan ROD, p.8)
- c. Watershed - "Establish utilization limits to maintain cover, plant vigor and soil fertility in consideration of plant phenology, physiology, terrain, water availability, wildlife needs, grazing system and aesthetic values." (Egan ROD, p.44)

2. Rangeland Program Summary Objectives:

Refer to Appendix I

3. Summary of Monitoring Data:

An evaluation of the existing monitoring data was completed to assess whether current multiple use management practices were meeting the multiple use objectives for the North Cove, Brown Knoll, Cattle Camp/Cave Valley, and Wells Station allotments and to determine the appropriate stocking level and management system for all grazing animals on these allotments. A Final Multiple Use Decision (FMUD) was issued February 4, 1992 for the North Cove Allotment, and January 19, 1993 for the Brown Knoll Allotment. A Proposed Multiple Use Decision (PMUD) was issued October 27, 1992 for the Cattle Camp/Cave Valley Allotment and December 7, 1992 for the Wells Station Allotment. Refer to FMUD, PMUD, Management Action Selection Report (MASR), and evaluation for additional information.

Evaluations have not been completed for the other eight allotments. Monitoring data collected over the five year period beginning March 1, 1993, will be analyzed and evaluated in accordance with BLM policy in order to determine progress in meeting the above LUP objectives for the 12 allotments either during or after the fifth year of grazing.

III. AGREED UPON CHANGES IN LIVESTOCK USE

The authorized livestock active preference for Carter Cattle Co. will be 6,316 AUMs for a five year period beginning March 1, 1993.

The active preference (AUMs) and suspended non-use (AUMs) by allotment is as follows:

Allotment: Rock Canyon (0808)

Active Preference (AUMs) Suspended Non-use (AUMs)

From:

432 464

To:

432 464

Allotment: Big Six Well (0812)

Active Preference (AUMs) Suspended Non-use (AUMs)

From:

140 326

To:

140 326

Allotment: Dee Gee Spring (0815)

Active Preference (AUMs) Suspended Non-use (AUMs)

From:

200 178

To:

200 178

Allotment: North Cove (0816)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

732

1,028

To:

879

881

Allotment: Sorensen Well (0818)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

193

450

To:

193

450

Allotment: Wells Station (0819)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

312

372

To:

312

372

Allotment: Maybe Seeding (0828)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

300

0

To:

300

0

Allotment: Sheeptrail Seeding (0829)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

200

0

To:

200

0

Allotment: East Wells (0830)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

122

104

To:

122

104

Allotment: Brown Knoll (0831)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

135

294

To:

161

268

Allotment: Swamp Cedar (0832)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

192

418

To:

192

418

Allotment: Cattle Camp/Cave Valley (0903)

Active Preference (AUMs)

Suspended Non-use (AUMs)

From:

3,185

0

To:

3,185

0

Total Active Preference: 6,316 AUMs

Total Suspended Non-use: 3,461 AUMs

Grazing Practices:

Carter Cattle Co. will be authorized to make livestock use according to the principles of HRM and to use the HRM model as its guide as related to livestock grazing management in the 12 allotments.

Carter Cattle Co. will be authorized the flexibility to graze the public lands for the 12 allotments for the prescribed season not to exceed 6,316 AUMs of livestock in accordance with an annually submitted biological plan. The annual grazing plan will include a grazing schedule for the year. The schedule of moves will be based upon pasture carrying capacity, forage availability, current growing condition, quality of forage, planned rest periods, and any changes as a result of the previous year's evaluation.

Where the HRM team determines that additional forage is available, the annual biological plan will include a recommendation that additional forage be authorized.

BLM will evaluate the team's recommendation as included in the biological plan. If BLM concurs with the team's recommendation, additional forage may be apportioned in whole or part on a temporary non renewable basis for the term of this agreement.

Where conditions such as drought, weather, fire, or vegetation availability may require a modification of authorized grazing use, additional forage temporarily available may be apportioned on a nonrenewable basis. Additional forage available under these conditions will also be based on the HRM team's recommendations and subject to BLM concurrence.

When a pasture shows more available forage (or less grazing use) than planned, cattle may remain longer (not exceeding the season-of-use) or may return to the pasture within the grazing year as forage availability and production allows.

The management actions implemented in accordance with HRM are expected to achieve the LUP objectives as identified in this agreement.

As of 1993 Carter Cattle Co. has not grazed in common with Frank Reid because of different livestock management practices. Steven Carter of Carter Cattle Co. and Frank Reid have agreed to graze their cattle separately in order for Carter Cattle Co. to practice the principles of HRM and Frank to have his own specific use area. Steven Carter's designated use areas will be the Cattle Camp pasture, the north/east portions of the Bullwhack pasture and the North Seeding. This use will depend upon the grazing schedule presented in the annual biological plan.

Frank Reid's designated use area will be the south portion of the Bullwhack pasture or the Silver use area (see Appendix IV for map). This designated use area will require approximately four and three-quarter miles of barbed wire fence. (the top and two middle strands barbed and the bottom strand smooth) Steven Carter of Carter Cattle Co. will be responsible for building the fence. Frank Reid will have the fence maintenance responsibility. The fence will tie into the Tony Fence in the northwest corner of the proposed designated use area thence run southeast one and three-quarters of a mile to Bullwhack Summit. The fence will be built on the south side of the two track road located between the Bullwhack Springs water trough and Bullwhack Summit. From Bullwhack Summit, the fence will run south for approximately three miles tying into the Milk Ranch pasture fence. The Milk Ranch pasture fence will be the south boundary fence and the Tony fence will be the west boundary fence. A range line agreement and a cooperative agreement will be signed by both permittees.

The water flowing into the Bullwhack Springs water trough will be shared/split between two water troughs, setting one on each side of the fence.

One 12 foot cattleguard will be installed on the Silver Creek road near the Cave Valley road. Another 12 foot cattleguard will possibly be required near the Tony Fence in the northwest corner of the proposed designated use area. The BLM will provide and install the cattleguard(s).

Frank Reid's period-of-use and active preference in this designated area is 5/15 to 11/30 and 533 AUMs, respectively. The designation of use areas for Steven Carter and Frank Reid will make the users accountable for the condition of the range they use.

Authorized cattle use by allotment for Steven Carter will be as follows:

<u>Allotment Name</u>	<u>Season of Use</u>	<u>Authorized AUMs</u>
Big Six Well	12/1 to 5/31	140
Brown Knoll	11/1 to 5/31	161*
Cattle Camp/ Cave Valley	5/15 to 11/30	3,185
Dee Gee Springs	12/1 to 5/31	200
East Wells	12/1 to 5/31	122
Maybe Seeding	12/1 to 5/31	300
North Cove	12/1 to 5/31	879**
Rock Canyon	12/1 to 5/31	432
Sheep Trail	12/1 to 5/31	200
Sorensen Well	12/1 to 5/31	193
Swamp Cedar	12/1 to 5/31	192
Wells Station	11/1 to 5/31	312
	Total	6,316

* The Brown Knoll Allotment active preference includes the first year incremental increase of 26 AUMs as listed in the Final Multiple Use Decision (FMUD) and as agreed upon in a meeting April 2, 1993.

** The North Cove Allotment active preference for this agreement will be 879 AUMs. This includes the first year incremental increase of 147 AUMs as listed in the FUMD and as agreed upon in a meeting April 2, 1993.

IV. FUTURE MONITORING AND GRAZING MANAGEMENT

A. Annual Biological Plan

1. The annual biological plan will be developed by the HRM team and then submitted to the BLM between December 15 and January 31. The BLM will review the biological plan whenever received during the above stated time frame. The biological plan, if consistent with overall ecosystem management of the HRM area, will be approved by the BLM authorized officer before March 1.

2. The BLM representative (Rangeland Management Specialist) will be in attendance when the HRM Technical Team meets annually to discuss previous year's use and develop the biological plan for the next year.

B. Both the BLM and Permittee agree to:

1. Continue to collect monitoring data on the allotments to determine if progress is being made in meeting the multiple use objectives and determine future livestock carrying capacities.

2. As a minimum, use utilization and/or use pattern mapping in determining attainment of the allotment allowable use level (AUL) during the next five years.

Note: The HRM Technical Team initiated monitoring in the summer of 1994. The team consisted of the following observers: Steven and Stella Carter, Permittees; Floyd Rathbun, Soil Conservationist Service (SCS) Range Conservationist; and Grant Hoggan, BLM Rangeland Management Specialist. All 12 allotments were monitored at agreed upon impact sites, and key areas established by Resource Concepts, Incorporated (RCI) and BLM. At each impact site and key area the following monitoring techniques/methods were conducted:

- 1) BLM observed apparent trend
- 2) SCS condition rating
- 3) HRM point (sampling) transect

In addition, most of the key areas have quadrat frequency transects established at their locale.

See Appendix II for summary of condition and apparent trend collected during 1994.

C. The Bureau of Land Management agrees to:

1. Continue to collect baseline data at established key areas. Where needed, establish additional key areas and collect baseline data.
2. Conduct annual range utilization studies at established monitoring sites.
3. Conduct annual use pattern mapping of the 12 allotments.
4. Notify the permittee(s) in advance of performing monitoring and encourage the permittee(s) to participate in performing the data collection.
5. Conduct any other monitoring that may be deemed necessary to evaluate the effect of the total grazing program (i.e. wildlife, watershed, etc.).
6. Invite any affected interest to accompany the BLM on these monitoring activities that desire to do so.

D. Steven Carter agrees to:

1. Collect monitoring information about and discuss results of his HRM practices. Provide these results when submitting actual use data.
2. Assist the BLM in achieving forage consumption no more than proper use levels in each allotment or pasture by closely monitoring use and moving cattle to ungrazed or lightly used areas to obtain optimum distribution and to avoid use in excess of objective levels.
3. Submit annually a biological plan to the BLM between December 15 and January 31 for review and approval.

V. BILLING

1. The BLM will continue to authorize livestock grazing on the eleven White River Valley allotments from 12/1 to 5/31. These allotments will then be rested through the summer and fall. The Cattle Camp/Cave Valley allotment located between South Steptoe and Cave Valleys will be grazed 9/1 to 11/30. However, flexibility to graze earlier will depend on range condition and the biological plan.

2. For billing purposes, the White River Valley allotments used will have an actual use report submitted to the BLM by June 15 and an actual use report will be submitted for use in the Cattle Camp/Cave Valley Allotment by December 15.

VI. FUTURE ADJUSTMENTS

At the end of the fifth year the 12 allotments will be reevaluated to determine if the management actions implemented in accordance with HRM are achieving the LUP objectives and if livestock management practices as identified in this agreement are met. However, the HRM Technical Team on an annual basis throughout the five year period will recommend any changes in livestock management practices if needed as a result of the previous year's annual monitoring data. If data from these reevaluations support a change in active use or management practices, a decision or agreement will be issued by the BLM in consultation with permittee(s) and affected interests to either increase or reduce active preference, modify grazing practices and/or modify terms and conditions of the grazing permit. Adjustments or changes will be made specific to use areas and/or allotments. Where active use is reduced it shall be held in suspension. Grazing use will continue at the previous year's use until completion of the reevaluation and issuance of the decision.

VII. AUTHORITY

The authority for this agreement is contained in Title 43 of the Code of Federal Regulations, which states in pertinent part:

4100.0-8: "The authorized officer shall manage livestock grazing on public lands under the principle of multiple use and sustained yield, and in accordance with applicable land use plans. Land use plans shall establish allowable resource uses (either singly or in combination), related levels of production or use to be maintained, areas of use, and resource condition goals

and objectives to be obtained. The plans also set forth program constraints and general management practices needed to achieve management objectives. Livestock grazing activities and management actions approved by the authorized officer shall be in conformance with the land use plan as defined at 43 CFR 1601.0-5(b)."

4170.3: "The authorized officer shall periodically review the grazing preference specified in a grazing permit or grazing lease and may make changes in the grazing preference status. These changes shall be supported by monitoring, as evidenced by rangeland studies conducted over time, unless the change is either specified in an applicable land use plan or necessary to manage, maintain or improve rangeland productivity."

4130.6: "Livestock grazing permits and leases shall contain terms and conditions necessary to achieve the management objectives for the public lands and other lands under Bureau of Land Management administration."

4130.6-1(a): "The authorized officer shall specify the kind and number of livestock, the period(s) of use, the allotment(s) to be used, and the amount of use, in animal unit months, for every grazing permit or lease. The authorized livestock grazing use shall not exceed the livestock carrying capacity as determined through monitoring and adjusted as necessary."

4130.6-2: "The authorized officer may specify in grazing permits or leases other terms and conditions which will assist in achieving management objectives, provide for proper range management or assist in the orderly administration of the public rangelands..."

VIII. AGREEMENT

I, the undersigned, do hereby agree to and accept this agreement. I understand that the grazing privileges so authorized herein are subject to the provisions of the Code of Federal Regulations (43 CFR 4100 through 4170) which deal with grazing use on public lands. I also agree that the terms and conditions of this agreement are binding upon the permittee(s), his respective heirs, executors administrators, successors in interest of assignors with such modification as approved or required by the authorized officer.

Frank Reid

Frank Reid, Permittee

7-25-95

Date

Steven Carter

Steven Carter, Permittee

7-25-95

Date

Gene L. Drais

Gene L. Drais, Manager
Egan Resource Area

7-25-95

Date

APPENDIX I

RANGELAND PROGRAM SUMMARY (RPS) OBJECTIVES BY ALLOTMENT

Big Six Well

a. Livestock Management Objectives

- (1) Provide forage for up to 110 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed Nevada Rangeland Monitoring Handbook (NRMH) levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife as follows:
2 AUMs for antelope.
- (2) Potential antelope reintroduction area.

Brown Knoll

a. Livestock Management Objectives

- (1) Provide forage for up to 135 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows:
deer 312 AUMs, antelope 4 AUMs.
- (2) Maintain mule deer winter range and antelope summer range in good or better condition.
- (3) Potential antelope reintroduction area.

Cattle Camp/Cave Valley

a. Livestock Management Objectives

- (1) Provide forage for up to 5,934 AUMs of livestock use.
- (2) Maintain seedings in good or better condition.
- (3) Maintain or improve current ecological condition of native range, except improve 200 acres in Cattle Camp Wash.
- (4) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows:
deer 1,123 AUMs, elk 868 AUMs.
- (2) Maintain elk yearlong and mule deer summer habitat in good or better condition.
- (3) Improve and maintain habitat condition of meadows and riparian areas in fair condition to good or better for elk, mule deer, sage and blue grouse.
- (4) Protect sage grouse breeding complexes.

Dee Gee Spring

a. Livestock Management Objectives

- (1) Provide forage for up to 200 AUMs of livestock use.
- (2) Maintain the seeding in current condition or better.
- (3) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (4) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 2 AUMs.
- (2) Maintain antelope yearlong habitat in good or better condition.

East Wells

a. Livestock Management Objectives

- (1) Provide forage for up to 115 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 4 AUMs.
- (2) Potential antelope reintroduction area.

Maybe Seeding

a. Livestock Management Objectives

- (1) Provide forage for up to 299 AUMs of livestock use.
- (2) Maintain the seeding in good or better condition.
- (3) Maintain present satisfactory levels of utilization.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 2 AUMs.
- (2) Potential antelope reintroduction area.

North Cove

a. Livestock Management Objectives

- (1) Provide forage for up to 732 AUMs of livestock use.
- (2) Maintain the seeding in current condition or better.
- (3) Improve livestock distribution on the allotment.
- (4) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (5) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 232 AUMs, antelope 5 AUMs.
- (2) Maintain mule deer spring habitat in good or better condition.
- (3) Potential antelope reintroduction area.

Rock Canyon

a. Livestock Management Objectives

- (1) Provide forage for up to 432 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 58 AUMs, antelope 3 AUMs.
- (2) Maintain or improve mule deer and antelope yearlong habitat to a good or better condition.
- (3) Potential antelope reintroduction area.

Sheep Trail Seeding

a. Livestock Management Objectives

- (1) Provide forage for up to 196 AUMs of livestock use.
- (2) Maintain the seeding in good or better condition.
- (3) Maintain present satisfactory levels of utilization.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: antelope 1 AUM.
- (2) Potential antelope reintroduction area.

Sorensen Well

a. Livestock Management Objectives

- (1) Provide forage for up to 193 AUMs of livestock use.
- (2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.
- (3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

- (1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 35 AUMs, antelope 4 AUMs.
- (2) Maintain mule deer spring habitat in a good or better condition.
- (3) Potential antelope reintroduction area.

Swamp Cedar

a. Livestock Management Objectives

- (1) Provide forage for up to 192 AUMs of livestock use.

(2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.

(3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

(1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 14 AUMs, antelope 6 AUMs.

(2) Maintain mule deer spring habitat in good or better condition.

(3) Maintain habitat condition of dry meadows and swamp cedar areas in good or better condition for pronghorn antelope and all wildlife species.

(4) Protect ferruginous hawk nest site integrity including prey base habitat.

(5) Potential antelope reintroduction area.

Wells Station

a. Livestock Management Objectives

(1) Provide forage for up to 217 AUMs of livestock use.

(2) Maintain or enhance native vegetation with utilization not to exceed NRMH levels on key species.

(3) Maintain or improve current ecological condition of native range.

b. Wildlife Management Objectives

(1) Manage rangeland habitat and forage condition to support reasonable numbers of wildlife, as follows: deer 39 AUMs, antelope 6 AUMs.

(2) Maintain mule deer yearlong habitat in good or better condition.

(3) Potential antelope reintroduction area.

APPENDIX II

ALLOTMENT: Cattle Camp/Cave Valley

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp & Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
Bullwhack Pasture Impact Site #1	T.11N., R.64E., Sec. 7	028BY007NV Loamy 10-12" P.Z	STCO POSE SIHY ORHY Forbs Shrubs	17 6 13 3 8 35	Good	Late Seral 63	Improving	Summer Fall
Bullwhack Pasture Impact Site #2	T.11N., R.64E., Sec. 18	028BY007NV Loamy 10-12" P.Z	STCO POSE SIHY ORHY Forbs Shrubs	7 5 8 4 15 40	Good	Late Seral 78	Improving	Summer Fall
Bullwhack Pasture Impact Site #3	T.11N., R.64E., Sec. 19	028BY007NV Loamy 10-12" P.Z.	STCO SIHY POA AGSM Forbs Shrubs	5 8 8 8 10 54	Fair	Mid Seral 65	Improving	Summer Fall
Bullwhack Pasture Silver Creek Site	T.11N., R.64., Sec. 19	028BY041NV Dry Floodplain 8-12" P.Z.	AGSM ELCI SIHY POSE Forbs Shrubs	20 4 25 15 3 27	Fair	Mid Seral 43	Not Apparent	Summer Fall
Bullwhack Pasture Pop-up Spring Area	T.11N., R.65E., Sec. 8	028BY003NV Loamy Bottom 10-14" P.Z.	ELCI AGSM Poa Carex	8 38 12 14	Fair	Mid Seral 31	Improving	Summer Fall

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Big Six

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
BS #1	T.11N., R.61E., Sec. 16	029XY020NV Silty 5-8" P.Z.	SIHY ORHY Forbs Shrubs	1 T 1 52	Good	Late Seral 54	Not Apparent	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Swamp Cedar

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
SC #1	T.11N., R.61E., Sec. 36	029XY002NV Saline Meadow 3-8" P.Z.	SPGR SPAI POJU JUBA Forbs Shrubs	36 15 8 8 10 1	Good	Late Seral 78	Improving	Winter Spring
SC #2 BLM Key Area	T.11N., R.61E., Sec. 34	029XY004NV Saline Bottom 3-8" P.Z.	ELCI SPAI DISP Forbs Shrubs	24 10 5 4 32	Good	Late Seral 76	Improving	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: North Cove

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
NC #1 East Pasture	T.10N., R.61E., Sec. 6	029XY020NV Silty 5-8" P.Z.	SIHY ORHY Forbs Shrubs	1 1 T 50	Fair	Mid Seral 52	Not Apparent	Winter Spring
NC #1 Middle Pasture BLM Key Area	T.11N., R.60E., Sec. 1	029XY020NV Silty 5-8" P.Z.	ORHY STCO SIHY Forbs Shrubs	8 3 3 4 58	Good	Late Seral 76	Improving	Winter Spring
NC #1 West Pasture BLM Key Area	T.10N., R.60E., Sec. 8	029XY008NV Shallow Calcareous Loam 8-12" P.Z.	STCO POSE ORHY SIHY Forbs Shrubs	15 10 5 5 4 25	Good	Mid Seral 64	Improving	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Dee Gee Spring

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
DG #1	T.9N., R.61E., Sec. 1	029XY017NV Loamy 5-8" P.Z.	SIHY ORHY Forbs Shrubs	4 2 2 69	Good	Late Seral 77	Not Apparent	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Sorensen Well

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
SW #1	T.9N., R.61E., Sec. 2	029XY002NV Saline Meadow 3-8" P.Z.	SPAI JUBA SPGR AGSM Forbs Shrubs	40 15 5 2 10 2	Good	Late Seral 74	Improving	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Sheep Trail Seeding

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
STS #1 BLM Key Area	T.9N., R.60E., Sec. 24	N/A seeding	AGCR	70	Good	N/A	N/A	Winter Spring
STS #2 Winterfat Site	T.9N., R.61E., Sec. 24	029XY020NV Silty 5-8" P.Z.	ORHY SIHY POSE Forbs Shrubs	2 6 2 2 50	Good	Late Seral 62	Improving	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Maybe Seeding

Study No. or Name	Key Area Location	Ecological Site No.,	Key Species	Key Spp % Comp By Weight	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
MS #1	T.9N., R.60E., Sec. 23	N/A seeding	AGCR	85	Good	N/A	N/A	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Wells Station

Study No. or Name	Key Area Location	Ecological Site No., 1/	Key Species	Key Spp % Comp By Weight 2/	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
WS #1	T.9N., R.60E., Sec. 28	029XY020NV Loamy 5-8" P.Z.	ORHY POSE SIHY Forbs Shrubs	7 5 6 4 40	Fair	Mid Seral 62	Not Apparent	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: East Wells

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
EW #1	T.9N., R.60E., Sec. 13	029XY020NV Silty 5-8" P.Z.	ORHY SIHY Forbs Shrubs	3 3 T 55	Good	Late Seral 61	Improving	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Brown Knoll

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
BK #1 Brown Knoll Wash	T.11N., R.62E., Sec. 16	029XY008NV Shallow Calcareous Loam 8-12" P.Z.	POSE SIHY ORHY Forbs Shrubs	8 5 T 5 13	Fair	Mid Seral 31	Not Apparent	Winter Spring
Ab's Seeding	T.11N., R.62E., Sec. 13	N/A Seeding	AGCR	35	Good	N/A	N/A	Winter Spring
BK #2 BLM Key Area	T.11N., R.62E., Sec. 11	029XY008NV Shallow Calcareous Loam 8-12" P.Z.	ORHY SIHY POSE Forbs Shrubs	11 5 5 4 40	Good	Late Seral 65	Not Apparent	Winter Spring
BK #3 Burn Site	T.12N., R.62E., Sec. 35	029XY008NV Shallow Calcareous Slope 8-12" P.Z.	ORHY STCO SPCR SIHY HIJA POSE Forbs Shrubs	14 5 2 2 2 5 7 1	Fair	Mid Seral 38	Improving	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

ALLOTMENT: Rock Canyon

Study No. or Name	Key Area Location	Ecological Site No., <u>1/</u>	Key Species	Key Spp % Comp By Weight <u>2/</u>	Livestock Forage Condition (Plant Vigor)	Seral Stage (% of PNC)	Apparent Trend	Season of Use
Rock Canyon South	T.12N., R.62E., Sec. 27	028BY010NV Loamy 8-10" P.Z.	POSE SIHY ORHY Forbs Shrubs	5 8 1 1 4	Poor	Early Seral 24	Improving	Winter Spring
Rock Canyon Seeding	T.12N., R.62E., Sec. 22	N/A Seeding	AGCR	75	Good	N/A	N/A	Winter Spring
Rock Canyon Seeding Extension	T.11N., R.62E., Sec. 15	N/A Seeding	AGCR	25	Poor	N/A	N/A	Winter Spring

1/ Ecological sites listed here can be referenced to SCS Ecological Site Descriptions.

2/ This is determined using the SCS range inventory composition method.

APPENDIX III

CARTER CATTLE COMPANY ANNUAL BIOLOGICAL PLAN

This plan is a grazing strategy that provides forage for livestock and wildlife. This biological plan encompasses 12 allotments in the White River Valley and Cave Valley ecosystems. The HRM biological plan takes into consideration livestock, wildlife (game and non-game including threatened and endangered species), forage, plant succession, water cycles, mineral and nutrient cycles, energy flow, growing seasons, timing of grazing periods, herd effect, private lands, public lands, and economics. The goal of the Carter Cattle Company's Biological Plan is to stabilize and/or improve the watershed in the White River Valley and Cave Valley by use of livestock.

The HRM biological plan is based on plant recovery periods and the timing of the grazing periods. The HRM strategy is based on controlling the time when the grazing animals are present to graze. Intensive herding is used to move livestock and does not allow the grazing animal to return to the same plant until the same plant has time to recover. The timing of the grazing period and livestock movement is based on monitoring information which takes into account the phenological stage of the plant (such as early or late green-up) and annual grazing use made on the plant. The strategy of controlling the time when the grazing animals are present to graze is to allow the plant a chance to recover during the growing season and to reach the mature seed producing stage.

Grazing problems occur when inflexible grazing use does not allow for plant recovery periods and as a result causes resource damage and deterioration over time. Grazing the same allotments at the same time each year is not a preferred HRM action.

The HRM grazing strategy is also expected to improve wildlife and riparian habitats. The overall goal or strategy of HRM is to maintain or improve biodiversity.

APPENDIX IV

T. 12N.

T. 11N.

R. 63E.

R. 64E.

7226

402

401

50

400

499

15

497

496

47'30"

495

3061 N SW
(BROWN KNOLL)

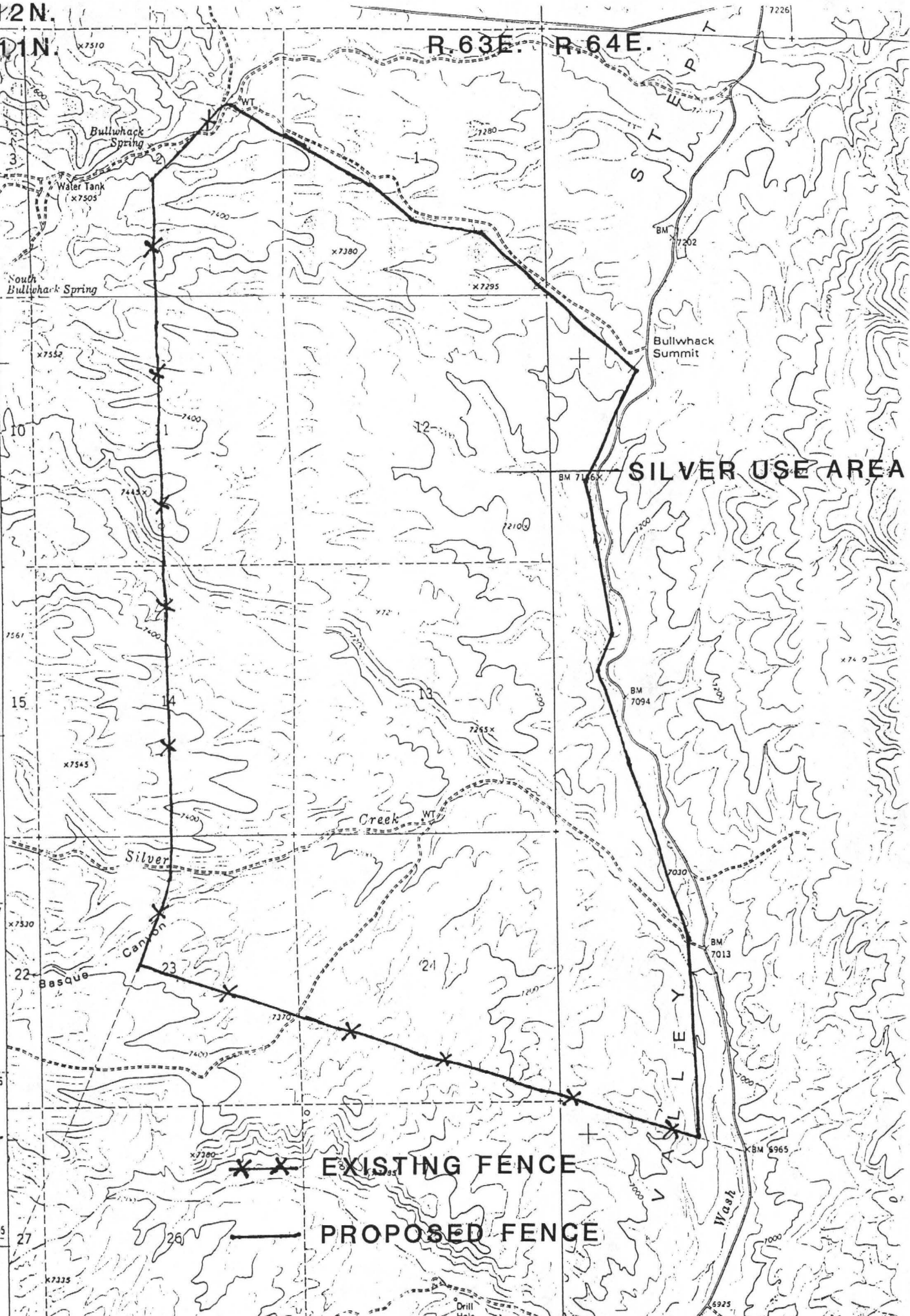
3

10

15

22

27



SILVER USE AREA

EXISTING FENCE

PROPOSED FENCE