

HOONE 06 AIN-CARLAND PRAIRIE-POMERO DOCUMENTS  
INTERIM MANAGEMENT PLAN  
1984-1988

ARIZONA STATE LAND DEPARTMENT  
and  
U.S. DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
SOUTHWESTERN REGION  
COCONINO NATIONAL FOREST - FLAGSTAFF RANGER DISTRICT  
and  
KAIBAB NATIONAL FOREST - CHALENDER RANGER DISTRICT

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This Management Plan is a tool to be used to achieve better range resource management. Like any tool, if it is not the right tool for the job it should be revised or changed so that the job can be properly accomplished in the most effective and timely manner.

## I. INTRODUCTION

This Management Plan is to provide range resource coordination and management direction for the Garland Prairie, Mooney Mountain and Pomeroy Grazing Allotments for the 1984 to 1988 grazing seasons.

The Garland Prairie and Pomeroy Allotments are located on the Kaibab National Forest, Chalender Ranger District. The Mooney Mountain Allotment is located on lands of the Coconino National Forest, Flagstaff Ranger District and lands of the State of Arizona. Although these Allotments are separated under three administrative offices, it is recognized that the three Allotments are best managed for livestock grazing as a single entity. Management of the three Allotments as one will benefit the resource and livestock management objectives by providing greater flexibility of grazing use and overall resource management.

The three Allotments are grazed under 10-Year Term Permits issued by the Forest Service to the Manterola Sheep Company, Incorporated. Permitted numbers are 1,840 sheep. They also have a State and Private Land permit of 400 sheep and eight (8) burros. The permitted season of grazing use for the Allotments is June 1 to October 15. The Mooney Mountain Allotment has a total of 3,181 acres of State of Arizona leased lands. These leased acres are incorporated with the Forest Service land under on "On and Off" Grazing Permit.

The permittee also has a 10-Year Term Permit for the Beaverhead-Grief Hill Sheep Driveway. Permitted numbers on the Driveway are 2,670 sheep. The permitted season of use is May 1 to May 31.<sup>1</sup>

Permitted livestock carrying capacity on the Allotments are within current proper allowable forage use capacities. Resource management and sheep distribution can be improved to achieve better grazing use efficiency. The proposed Management Plan is designed to obtain better resource management thereby resulting in improved upward trends in range resources.

## II. PROBLEMS AND CONFLICTS

1. All three Allotments need the development of new water sources and maintenance of existing waters. New water sources will be located within areas of light or no grazing use.

2. Many open meadows have been historically over-utilized by sheep for bedding and bucking areas. These areas should be revegetated and heavy grazing use deferred to a once over-lightly concept of grazing use. New areas for bucking will be reviewed with the permittee to reduce the concentration of sheep within certain areas the same time each year.

## III. MULTIPLE USE COORDINATION

The following describes foreseeable resource uses, valued and activities which may affect the grazing management of the three grazing Allotments.

<sup>1</sup>As per FSM 2233.15-2, 7/81 R-3 Supp. 93\*

A. Timber Harvests

The Half Moon Timber Sale, within the Mooney Mountain Allotment, is scheduled for harvest within the near future. This Sale, a multi-product (sawlog and pulpwood) sale, sold in the fall of 1983 and may be harvested as early as 1984-1985, depending upon future economics and lumber supply and demand.

The Dutton Timber Sale, another multi-product sale, is also in the northeast corner of the Mooney Mountain Allotment. This Sale is scheduled for harvest in 1984.

~~These timber sale activities will affect grazing management of the Allotment.~~ The Permittee and District Range Staff will coordinate prior to and during these activities, making adjustments in grazing schedules and improvement construction or maintenance schedules.

No timber sales are scheduled on the Garland Prairie or Pomeroy Allotments within the next five (5) years.

B. Timber Reforestation

The pine seedling reforestation sites on the Montoya Unit of the Garland Prairie Allotment and the Railroad Fire (Forest Service lands only) are still closed to sheep grazing. Each Forest will notify the Permittee as to any change in the status of these sites.

C. Land Exchange

Currently, the Coconino National Forest is in the process of proposing a land exchange with the State of Arizona. This proposal involves the State-owned sections within the Mooney Mountain Allotment. The objective of the proposal is to consolidate land ownership to better facilitate administration of resources within the area. The time frame and status of this exchange is not known at the present time. The results of such an exchange could affect the ownership of range structural improvements on the State lands, but the management and permitted grazing capacity of the Allotments will not be affected by the exchange.

D. Fire Management

During periods of high-to-extreme fire danger, the Permittee and his sheepherders will adhere to each Forest's wildfire management restrictions and closures.

E. Recreation

The Sycamore (Recreation) Trail passes through the Pomeroy Allotment (see attached map). Herders will not trail sheep on this trail or within its immediate vicinity. This restriction includes the recreational parking areas along Forest Road 109 and the end of Forest Road 56.

F. Lands/Special Uses

The Raymond Pit may be used again by the Arizona Department of Transportation. This pit area could be closed to grazing if the ADOT decides to reopen and use the materials. No future plans as of this document, are scheduled to reopen this gravel pit.

There is a road closure, south of the powerline and east of the log road, within the Pomeroy Allotment (see attached map). This closure is necessary to protect soils and watershed conditions within the area.

#### IV. GOALS AND OBJECTIVES

##### A. Long-Range Goals and Objectives

Long-range goals of the Allotments in which this Plan will direct management are:

1. Improve the vegetative community so that the forage composition is enhanced, resulting in upward trends in range condition and plant vigor.
2. Increase vegetative cover and litter to the level necessary to stabilize the soil and watershed conditions.
3. Maximize red meat and wool production from these Allotments consistent with the resources, uses, and activities on the Allotments.

##### B. Short-Range Goals and Objectives

The short-range objectives of this Plan which will be achieved during the life of this Plan are:

1. Maintain permitted numbers in balance with the grazing capacity of the Allotments, thereby implementing a system of herding with better sheep bedding and salting practices.
2. Implement a deferred rotation grazing system. This grazing system will allow livestock and wildlife forage utilization to occur in proper balance with available forage. This objective will be measured by comparing actual grazing use with prescribed allowable use on key areas and key perennial forage species. Each pasture will receive "once over lightly" grazing in all suitable grazing areas of each Allotment.
3. Intensify the range improvement maintenance program and develop needed range improvements.
4. Minimize the timber reforestation impacts on the Allotments' range resource and management.
5. Minimize any adverse impacts on the Allotments' range resource and management - should a land exchange occur.

#### V. GRAZING MANAGEMENT

##### A. Proposed Management

The proposed system of management is to graze the Allotments under light use deferred rest-rotation system. Reference the attached R-3, 2200-19, Grazing Schedule for specific grazing numbers and use periods.

##### B. Permanent Camps

As determined by the Permittee or the Forest Service, when utilization of key forage species within one-quarter mile radius of the camp has been reached,

the camp will be moved to another area that has not been used during the current grazing season. This is approximately 2 days in one camp site.

### C. Distribution

1. Salt - Salt will be placed in areas of good feed at a reasonable distance from water. These areas should be located away from previous salt ground so that the same areas are not used year after year.
2. Water - Sheep should be openly herded to and from watering to prevent excess trampling of soil and vegetation. Portable watering sites can be used for 3 days or until utilization on key forage species within 1/4 mile reaches 30 percent. Accordingly, herds should not be left to linger at watering sites.
3. Bedgrounds - Sheep can be bedded down in the same vicinity as previous bedgrounds, but not in the same location (as determined by the Permittee and/or the Forest Service), all bedding and herding within that area will be discontinued and sheep moved on to another site. The use of old bedgrounds where soil and vegetation is beat out will be discontinued to allow these areas to rehabilitate. These are shown on the enclosed map and also include areas identified as erosion hazards in the soil and water report.
4. Waterhauls - In the event waterhauls are to be established, the District will be notified; and time permitting, will establish these sites with the permittee. These hauls can be an effective tool in grazing distribution if properly placed. Sites previously used will not be re-used unless permission is given by the Forest Service.
5. Herding - Sheep will not use the same location for grazing more than once during a year without advance permission by the District. Areas in which there is ample forage should be sought out and utilized. This can often be accomplished through proper location of waterhauls as described above.

## VI. RANGE IMPROVEMENTS BY PRIORITY - KAIBAB NATIONAL FOREST

Following is a schedule of new improvements and heavy maintenance needed on the Garland Prairie and Pomeroy Allotments. They are by priority and their completion is subject to availability of Government and Permittee funds. (See attached maps for locations of improvements.)

### A. Structural

#### 1. Water Developments

##### a. Garland Prairie Allotment

- 1) Maintain south Gray Tank.

1990  
Montezuma  
Little Joe  
1991  
Morgan, Little Joe,  
Double & Bankhead

- 2) Bentonite stock tanks that are presently leaking. Permittee will submit a listing to the District of these tanks. *ongoing*
- 3) Identify existing waters as to condition and maintenance responsibility on acquired land.
- 4) Construct a water development in northeast part of Gray Unit.

done 1992

- 5) Construct a water development in southeast part of Montoya Unit.

b. Pomeroy Allotment

- 1) Construct a water development in approximately center of the Pomeroy Unit.
- 2) Seal Double Tanks. *done - fall 91 w/ bentonite*

2. Other

- a. Remove old homestead fences, as approved by District.
- b. Assist in future construction of Garland Prairie/Big Springs boundary fence.

B. Before action is taken on any of the projects, an on-the-ground inspection must be made to determine feasibility. In the event that any of the new construction projects are approved, a cooperative agreement must be drawn up before construction is begun. Before any other construction projects are authorized, they must be part of this Management Plan, via amendment thereto.

VII. RANGE IMPROVEMENTS - COCONINO NATIONAL FOREST

The following is a list of range improvements for the Mooney Mountain Allotment. The improvement projects are listed by priority of need. These projects are subject to available Forest Service and Permittee funds. The improvements listed below are all within Forest lands.

A. Non-Structural Revegetation

- 1. Pope Tank - T20N, R5E, SE $\frac{1}{2}$  Sec. 9 - 150 acres.
- 2. H & H Tank - T20N, R5E, SE $\frac{1}{4}$  Sec. 16 - 40 acres.
- 3. Mooney Mountain - T20N, R5E, SW $\frac{1}{4}$ SE $\frac{1}{4}$  Sec. 6 - 45 acres.
- 4. Little Spring Draw - T20N, R4E, W $\frac{1}{2}$ E $\frac{1}{2}$  Sec. 13 and W $\frac{1}{2}$ E $\frac{1}{2}$  Sec. 12 - 125 acres.
- 5. Powerline - T20N, R4E, N $\frac{1}{2}$ N $\frac{1}{2}$  Sec. 2 and Sec. 3 - 100 acres.

Kaibab  
Garland Pra. draw  
1989 - 255 AC  
P: 1990 - 300 AC

6. Sheep Camp Flat - T20N, R4E, SE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 2 - 20 acres.
7. Poison Springs Draw - T20N, R4E, NE $\frac{1}{4}$  Sec. 9 - 20 acres.

B. Structural - Road Pit Tanks Construction

The following structural improvements are proposed within the Half Moon Timber Sale Transportation Plan and K-V Wildlife Plan. These proposed improvements, all or in part, are scheduled for development as road borrow sources and multiple use waters. They will indirectly benefit wildlife and livestock. K-V funding for these improvements is not available until after the timber sale starts. It is possible that only a portion of the improvements may be completed with K-V funds, and transportation funds. If this occurs and only a portion of these waters are completed via timber sale generated funds, the remaining improvements should be completed with range improvement funds under this Allotment Plan. Complete or partial construction of the structural improvements listed below will be dependent upon available permittee and Forest Service range resource funds.

1. Little - T20N, R5E, SE $\frac{1}{4}$ NE $\frac{1}{2}$  Sec. 7.
2. Flat - T20N, R4E, NE $\frac{1}{4}$  Sec. 2.
3. Volley - T20N, R4E, NE $\frac{1}{4}$  Sec. 1.
4. Jose - T20N, R4E, SE $\frac{1}{4}$  Sec. 12.
5. Camino - T20N, R5E, SW $\frac{1}{4}$  Sec. 7.
6. Guide - T20N, R4E, SE $\frac{1}{4}$  Sec. 13.
7. Rola - T20N, R5E, NE $\frac{1}{4}$  Sec. 17.
8. Rienco - T20N, R5E, NW $\frac{1}{4}$  Sec. 19.
9. Tie Hack - T20N, R5E, SE $\frac{1}{4}$  Sec. 19.
10. Strahan - T20N, R4E, NE $\frac{1}{4}$  Sec. 25.
11. Red Hill - T20N, R5E, SE $\frac{1}{4}$ NW $\frac{1}{4}$  Sec. 31.
12. Caboose - T20N, R5E, SW $\frac{1}{4}$  Sec. 19.

C. Non-Structural - Revegetation

1. During the Half Moon Timber Sale, an estimated 3,800 acres of slash will be treated, piled and burned or broadcast burned. If non-structural range improvements or wildlife K-V funds are available, portions or all of the slash treated areas should be seeded with introduced forage species. Soils of the highest potential productivity will be seeded first priority and those of moderate potential productivity will be seeded last.

VIII. ESTIMATED COST INVESTMENT OF RANGE IMPROVEMENTS DEVELOPMENT - COCONINO NATIONAL FOREST

The estimated costs listed below are evaluations of the improvements listed in the previous VI. Range Improvements - Coconino National Forest. The estimated costs below also break out Forest Service and Permittee investment.

A. Non-Structural - Revegetation

1. Five hundred (500) acres of broadcast seeding with seed-bed preparation by sheep trampling. The Forest will provide seed and the Permittee will apply it. Total cost per acre = \$12.60.

Forest Service Cost

Ten (10) pounds seed  
per acre @ \$.80/lb =  
\$4,000.00

Support Cost = \$800.00

Permittee Cost

Application labor  
and equipment =  
\$1,500.00

2. Three thousand eight hundred (3,800) acres of broadcast seeding. Forest Service to provide seed and Permittee to apply seed. Total cost per acre = \$8.76.

Forest Service Cost

Eight (8) pounds seed  
per acre @ \$.70/lb =  
\$21,280.00

No support cost

Permittee Cost

Application labor and  
equipment = \$12,000.00

B. Structural - Road Pit Tank Construction

Construction of twelve (12) road pit tanks. Permittee labor and equipment for construction. Total cost per pit tank = \$1,083.33.

Forest Service Cost

Support Cost = \$500.00  
Seed Cost = \$500.00

Permittee Cost

Labor and equipment = \$12,000.00

C. Estimated Cost Investment Summary for Total Proposed Improvement Development

Forest Service Cost

\$27,080.00 (51.5 Percent)

Permittee Cost

\$25,500.00 (48.5 Percent)

## IX. FOLLOW-UP ACTION

The following items must be checked on a yearly basis to determine that the objectives of this Management Plan are being attained:

- A. Livestock distribution through the use of routing plans is being followed and is effective.
- B. Sufficient water is available; if not, plan waterhauls.

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- C. Length and dates of grazing are compatible with range resource conditions and trends.
- D. Noxious and undesirable plant species are not increasing and that percent ground cover by vegetation is not decreasing.
- E. Soil condition classes and trends are not downward.
- F. Conflicts with other resources, uses, and activities are not occurring.
- G. Excessive forage competition is not occurring between the sheep and big game species.
- H. Old beat out areas are avoided and allowed to recover their original vegetative composition.
- I. Annual permission to use Gray Place.
- J. Keep sheep out of tree plantations, and from Sycamore Trail.
- K. Generally, daily movement of sheep camps.

## X. ADMINISTRATION

### A. Inspections

A general allotment inspection will be made annually with vegetation and soil trends closely observed by the Permittee and the Forest Service.

### B. Livestock Move Dates

The Permittee will notify the Forest Service five days in advance of the date that livestock will be placed on or removed from each of the Allotments and planned move dates between grazing units.

### C. Maintenance Responsibilities and Maps

Enclosed are copies of CPO 2200-5 listing permittee maintenance responsibilities and grazing allotment map with the

A. Economic Analysis Assumptions

1. Assume the improvements will have a twenty-five (25) year life.
2. Assume a discount factor of four (4) percent is used throughout the economic analysis.
3. Assume standard of five (5) sheep equal one (1) cattle AUM in the analysis.

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4. Assume AUM value of each Forest is based upon Gee's Ranch-Livestock Study - U.S.D.A. Research Study - U.S.D.A. Research Service, Ft. Collins, Colorado.
  - a. Coconino National Forest AUM value = \$10.57.
5. Assume Hunter Visitor Day value is determined from each Forest's LMP Recreation/Wildlife Hunter Use data average values.
  - a. Coconino National Forest HUD average value = \$23.70.
6. Assume that the HUD days estimated at year zero (0) will double over the twenty-five (25) year time stream. This one hundred (100) percent increase is attributed to projected population growth and use days for the State of Arizona and northern Arizona. (Assumption reference for the Forest's Land Management Plan Wildlife and Recreation Use Data.)
7. The AUM increase and sustainment of the Allotments permitted grazing capacity is based upon current analysis evaluations, historic grazing use, current range resource surveys and inspections, and professional judgement.

Permittee's maintenance responsibilities outlined in red. It may be to the advantage of the permittee from a total allotment management standpoint to do minor maintenance on all allotment range improvements, whether or not they are assigned to him. This management-maintenance would be up to the Permittee and should be with the agreement of the adjacent private landowner or permittee.

- D. Use of Gray Place - The Gray Place is an administrative horse pasture, located on previously beat out acquired land. It is well watered and divided up into several small pastures. Presently, the Gray Place is getting very little use by the Forest Service. Accordingly, the Permittee can use this pasture upon annual authorization of the District. Use will be in accordance with this Management Plan. It will be used as part of the Gray grazing unit for a specific period of time approved by the District.

E. Fire Protection

The Permittee is required to take all reasonable precautions to prevent, make diligent effort to suppress, and to report all fires on or endangering Forest Service administered lands. All internal combustion engines used by the Permittee must be equipped with Forest Service approved spark arresting devices. No open campfires will be permitted on National Forest lands during periods of fire closures.

F. Vehicular Travel

In the event roads within the Allotments are closed due to fire danger, saturated soil conditions, or for any reason, the Permittee will be required to obtain a permit from the appropriate District office. No off-road (cross-country) vehicular travel will be allowed; only established roads may be used. Roads which were used for timber harvests and which have been blocked, drained, and seeded, must not be opened.

F. Littering

Dumping or burying of refuse on State of Arizona or National Forest lands will not be allowed. All cans, bottles, and any other unburnable material which has been carried in, must be carried out. Burying of trash at sheep camps is not an acceptable alternative. Be sure herders are instructed about this.

XI. INTERIM PLAN REVISIONS

This Plan can be modified and/or altered at any time to improve the efficiency of economics, timetables, and benefit to the management of resource or livestock. Revisions can be accomplished through mutual cooperation and approval of the Arizona State Land Department Commissioner, the Coconino and Kaibab National Forest Supervisor, and their designated representatives, and the Permittee.

XII. RANGE IMPROVEMENT ECONOMIC ANALYSIS

An economic analysis was developed for the proposed range improvements on the Coconino National Forest.

**IMPROVEMENT INVENTORY and MAINTENANCE RESPONSIBILITY**

GARLAND PRAIRIE/POMEROY ALLOTMENT IMPROVEMENTS BY NAME,  
IMPROVEMENT NUMBER, UNITS IN PLACE, AND MAINTENANCE RESPONSIBILITY.

12/21/2005

<u>IMPROVEMENT NAME</u>	<u>IMPROV. NUMBER</u>	<u>UNITS IN PLACE</u>	<u>MAINTENANCE RESPONSIBILITY</u>
Bear Tank	001917	1	Permittee
Green Tank	001986	1	Permittee
Tony Tank	002086	1	Permittee
Pomeroy Natural Tanks	002102	1	Permittee
Double Tanks – 1	002103	1	Permittee
Double Tanks – 2	002103A	1	Permittee
Powerline Tank	002104	1	Permittee
Garland Pr/Coco Boundary Fence	002105	2.0	Permittee
Garland Pr/NAD Boundary Fence	002106	5.0	NAD
Garland Pr/Bellefont Fence	002109	3.0	Bellefont
Morgan Tank	002116	1	Permittee
Bankhead Tank	002117	1	Permittee
Manterola Tank	002118	1	Permittee
Triangle Spring Development	002119	1	Permittee
Montezuma Tank	002204	1	Permittee
Kilgore Tank	002205	1	Permittee
Power Line Tank	002282	1	Permittee
Alvie Tank	002282	1	Permittee
Aso Tank	002284	1	Permittee
Corsair Tank	002433	1	Permittee
Little Joe Tank	002442	1	Permittee
Wright Place Tank – East	002443E	1	Permittee
Wright Place Tank – Middle	002443M	1	Permittee
Wright Place Tank – West	002443W	1	Permittee
Corral Tank	002444	1	Permittee
Peru Tank	002445	1	Permittee