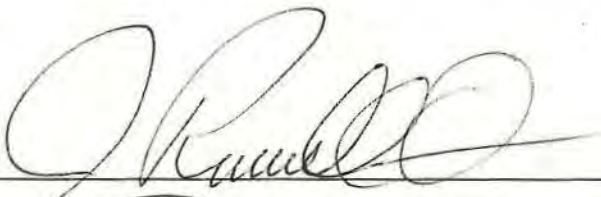
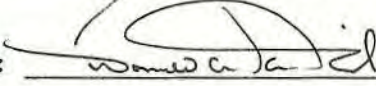



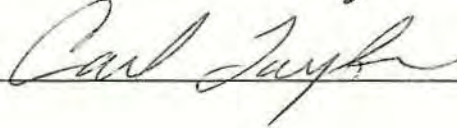
ALLOTMENT MANAGEMENT PLAN  
REAVIS AND TORTILLA ALLOTMENTS

Mesa Ranger District  
Tonto National Forest

Prepared By:  Date: 7-26-90

Submitted By:  Date: 7/26/90

Agreed To By:  Date: 9-19-90

Approved By:  Date: 12/5/90

## I. BASIC DESCRIPTION

The Reavis and Tortilla Allotments include approximately 66,000 acres in the southeastern corner of the Mesa Ranger District, Tonto National Forest. Both allotments are utilized by one permittee with a seasonal yearling operation: 800 yearlings on the Tortilla Allotment and 1,000 yearlings on the Reavis Allotment from November 15 to June 15 each year. The permit also includes 10 saddle horses yearlong each year. The 1800 yearling number is based on an entry level weight of 300 - 450 lbs. for the yearlings which was determined with a .55 conversion factor. If 450 - 650 lb. yearlings are placed on the allotments, the total permitted numbers will be 630 on the Tortilla Allotment and 785 on the Reavis Allotment. If 650 - 800 lb. yearlings are placed on the allotments, the total permitted numbers will be 585 on the Tortilla Allotment and 730 on the Reavis Allotment.

Approximately 90% of the Tortilla Allotment and 75% of the Reavis Allotment are within the Superstition Wilderness. A detailed description of the allotments and their environments is contained in the Environmental Assessment for Management.

Range analysis was completed on both allotments in 1984-85 and includes descriptions of the various vegetation types and the condition of the forage resource.

## II. GOALS AND OBJECTIVES OF MANAGEMENT

### A. Goals

1. Manage suitable rangeland at Level B as described in the Tonto Forest Plan. (Management controls livestock numbers so that livestock use is within present grazing capacity. Improvements are minimal and constructed only to the extent needed to protect and maintain the range resource.)
2. Achieve at least 80 percent of the potential overstory crown coverage in riparian areas as identified on the range analysis map.
3. Rehabilitate at least 80 percent of the potential shrub cover in riparian areas.
4. Stabilize soils in the IV portion of the Reavis Allotment.

### B. Objectives (0 - 4 years)

1. Maintain or reconstruct all essential structural range improvements prior to livestock entering either allotment. These are listed in Section IV.
2. Determine a stocking rate for both allotments that is in balance with the forage available for livestock. Adjust permitted livestock numbers if necessary.

3. Distribute livestock as outlined in the management system.
4. Manage riparian areas so that utilization does not exceed 20 percent by volume of the current annual growth of woody species.
5. Manage other areas of the allotments so that utilization does not exceed 40 percent of the current years growth on key forage plants.

The key forage plants for the Reavis and Tortilla Allotments are Mountain Mahogany in the Interior Chaparral Biotic Community, Jojoba in the Sonoran Desert Biotic Community and Sideoats Grama in the Semi-desert Grassland Biotic Community. The Riparian Biotic Communities will be monitored for use on all woody species present.

### III. MANAGEMENT SYSTEM

Livestock will be placed in the areas designated on the Management Plan Map with a letter "A" when they first enter the allotments. Salt, herding and drift will be utilized to move livestock from the "A" areas to "B" areas during the course of the grazing season. The higher elevation chaparral and grassland will be utilized first and as the season progresses, livestock will be gradually moved to lower elevation areas until they arrive in the Sonoran Desert Areas in time to take advantage of the annual grass and forb production. This movement will also place livestock close to shipping corrals at the removal date, greatly reducing the problem of livestock removal from the allotments. No livestock will be allowed in the "B" areas prior to April 1st of each year.

Shipping tickets will be required for all livestock entering and leaving the allotments.

Salt will be placed at least 1/4 mile from water developments, trails, roads and riparian areas as shown on the management plan map. Salt grounds will be moved each season to prevent the establishment of permanent salt grounds. Any salt remaining at the end of the season (June 15) will be removed within 15 days.

The grazing period for the Lewis and Pranty Riparian Pasture will be determined annually by the Forest Service. This pasture will not be used at other times.

The Horse Mesa Unit and the Crested Wheat Pasture of the Reavis Allotment will not be available to livestock permitted on the allotment.

Livestock arriving on the allotments or gathered from the allotments will not be held longer than 24 hours on National Forest Land before dispersing onto the allotments, or shipping. Livestock held longer than 24 hours will need to be placed on the base property.



#### IV. RANGE IMPROVEMENTS

Structural Range Improvements on the Reavis and Tortilla Allotments are generally in poor condition with many no longer functioning. All structural range improvements listed below and also shown on the attached map will be maintained or reconstructed prior to livestock being permitted on the allotments. These improvements are essential for proper management. All improvement maintenance and reconstruction will be the responsibility of the grazing permittee. Reconstruction materials may be provided by the Forest Service if funding is available.

##### TORTILLA ALLOTMENT

- 005286 - Tortilla Mountain STK - requires extensive maintenance - \$5000
- 005288 - Brads Water - requires reconstruction - \$1000
- 005289 - Tunnel Spring - requires reconstruction - \$500
- 005290 - Kane Spring - requires maintenance - \$250
- 005292 - Upper Labarge Spring - requires reconstruction - \$1500
- 005294 - Horse Camp Spring - requires reconstruction - \$1000
- 005297 - Frog Tank Spring - requires reconstruction - \$1000
- 005300 - Nighthawk Spring - requires reconstruction - \$1000
- 005302 - Sheep Mountain Spring - requires reconstruction - \$1500
- 005303 - Mullin Spring - requires reconstruction - \$1000
- 005306 - Tortilla Well - requires reconstruction - \$10,000
- 005281 - Tortilla Corral - requires reconstruction - \$2000
- 005278 - Yearling Pasture - requires maintenance - \$1000
- 005279 - Tortilla Creek Drift Fence - requires reconstruction - \$5000
- 002053 - Tortilla - Millsite ABF - requires maintenance - \$2000
- 005275 - Tortilla - Superstition ABF - requires reconstruction - \$20,000
- 005276 - Tortilla - Reavis ABF - requires maintenance - \$10,000



### REAVIS ALLOTMENT

- 005195 - Walnut Spring - requires reconstruction - \$1000
- 005196 - Plow Saddle Spring - requires reconstruction - \$1000
- 005197 - Paradise Spring - requires reconstruction - \$1000
- 005198 - Cimmarron Spring - requires reconstruction - \$1500
- 005208 - Klondike Spring - requires reconstruction - \$1500
- 005216 - Cedar Basin Spring - requires maintenance - \$500
- 000971 - Reavis - Apache Lake ABF - requires maintenance - \$4000
- OR0852 - Reavis - Roosevelt ABF - requires maintenance - \$5000
- R05024 - Reavis - Bar V Bar ABF - requires maintenance - \$2000
- 005213 - Reavis - Superstition ABF - requires reconstruction - \$6000
- 005227 - Reavis - Brushiest ABF - requires maintenance - \$5000
- 005187 - Castle Dome Division Fence - requires maintenance - \$5500
- 000856 - Stone Patent Pasture - requires maintenance - \$3000
- 000970 - Horse Mesa Drift Fence - requires reconstruction - \$1500

### V. MAINTENANCE OF IMPROVEMENTS

All maintenance of improvements and all improvement reconstruction will be the responsibility of the permittee.

### VI. MONITORING

Annual range inspections will be conducted on both allotments. These inspections will document the following:

- A. Livestock distribution
- B. Location of salt grounds
- C. Utilization on key forage plants
- D. Utilization on woody species in riparian areas
- E. Improvement maintenance

#### F. Compliance with grazing schedule

At the end of the third season of use, a production utilization study will be conducted on both allotments. These studies will be combined with the results of the yearly inspections to determine the proper stocking rate. Adjustments in permitted use will be made if necessary.

Permanent trend transects on both allotments will be reread in 1995.

Upland frequency monitoring transects will be initiated on the Tortilla Allotment in 1991 and on the Reavis Allotment in 1992 regardless of the status of stocking.

### VII. APPENDIX

A. Reavis Allotment Map

B. Tortilla Allotment Map





### ALLOTMENT ANALYSIS MAP REAVIS ALLOTMENT MESA RANGER DISTRICT TONTO NATIONAL FOREST

Scale 2 inches = 1 mile

Drafted by: R. ORR 1985 Field work by: R. ORR 1984

#### PERMANENT AND PAGED TRANSECTS

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>□ Riparian Level (red)</li> <li>□ Administrative Site (green)</li> <li>□ Inclosure (blue solid and wavy pattern)</li> <li>□ Felt</li> <li>□ PMP (blue dashed pattern)</li> <li>□ Riparian Level (red)</li> <li>□ Contourline</li> <li>□ Natural Barrier</li> <li>□ Camp</li> <li>□ Riparian Level (red)</li> <li>□ Water trough</li> <li>□ Storage area</li> <li>□ Trip area</li> <li>○ (with number) Riparian Level (red)</li> <li>○ (with number) Camp</li> <li>○ (with number) Riparian Level (red)</li> <li>○ (with number) Camp</li> <li>○ (with number) Riparian Level (red)</li> <li>○ (with number) Camp</li> <li>○ (with number) Riparian Level (red)</li> <li>○ (with number) Camp</li> <li>○ (with number) Riparian Level (red)</li> <li>○ (with number) Camp</li> </ul> | <ul style="list-style-type: none"> <li>○ (with number) No Riparian Capacity (No Cap)</li> <li>○ (with number) Riparian Capacity and Limited (Riparian Area No Cap)</li> <li>○ (with number) Full Capacity</li> <li>○ (with number) CONDITION CLASSES</li> <li>○ (with number) Excellent (Light Green)</li> <li>○ (with number) Good (Yellow)</li> <li>○ (with number) Fair (Light Blue)</li> <li>○ (with number) Poor (Purple)</li> <li>○ (with number) Very Poor (Red)</li> <li>○ (with number) VEGTATION TYPES</li> <li>○ (with number) Creosote (Yellow)</li> <li>○ (with number) Mesquite (Green)</li> <li>○ (with number) Sagebrush (Green)</li> <li>○ (with number) Brown Olive (Green)</li> <li>○ (with number) Gambel Quail (Green)</li> <li>○ (with number) Riparian (Red)</li> <li>○ (with number) Rock or Sand (No Cap)</li> <li>○ (with number) Fish (Light Green)</li> <li>○ (with number) Snake (Light Blue)</li> <li>○ (with number) Black Legged Tree Frog</li> <li>○ (with number) Gambel Quail (Green)</li> <li>○ (with number) Mesquite (Yellow)</li> <li>○ (with number) San Francisco Light Blue</li> <li>○ (with number) San Francisco Light Blue</li> <li>○ (with number) Deer (Light Blue)</li> </ul> |
|--|---|

PERMANENT TRANSECTS: C 1 287/447 1 - Erer, Snake Paju; R 1 512/604 18 - Erfo, Slob Cami  
 PAGED TRANSECTS: (List of numbered points and locations)

#### REAVIS ALLOTMENT MANAGEMENT PLAN

Legend

**EXTRIBUTION**

- Unit A
- Unit B

**SALTING LIMITATION - 1/3 SILE**

Developed Waters

Riparian Areas

System Trails and Roads

**IMPROVEMENTS**

Improvements requiring reconstruction or maintenance prior to stocking

