

Roosevelt
Allotment Management Plan

Tonto Basin Ranger District

Tonto National Forest

Region III

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1/27/93
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ROOSEVELT
ALLOTMENT MANAGEMENT PLAN

Allotment Description and Background

The Roosevelt Allotment consists of approximately 22,600 acres south of Theodore Roosevelt Lake. It is adjacent to the Mesa Ranger District to the south, the Schoolhouse and Bar V Bar/Campaign Allotments on the east, and the Salt River and Apache Lake to the west. Approximately 6780 acres in the southern part of the allotment lies within the Superstition Wilderness. The Roosevelt Allotment is within the Tonto Basin Ranger District, Tonto National Forest in Gila County. Elevations run from 4700 feet in the upper watersheds at Pinyon Mountain to 1900 feet along the shore of Apache Lake. Topography consists of rolling mountains with areas that are steep and rough. Soils are shallow and mostly a sand loam with some heavy clays along the top of ridges. Vegetation consists mostly of desert shrub. The northeast portion of the allotment is a steep woodland with most of the unsuitable range in it. Besides the shore of Apache Lake and several perennial springs, Cottonwood and Pine Creeks, both ephemeral, are the other major riparian areas running through the allotment.

The present permittee has been very cooperative in contributing money and labor for the construction of range improvement projects. He understands the importance and necessity of meeting Land Management Plan goals and objectives through the Integrated Resource Management process as presently directed by the Forest Supervisor.

Ranch and Livestock Operation

The Roosevelt Allotment is strictly a cattle operation. This operation consists of a commercial cow-calf herd. Mother cows are kept yearly with calves usually held over to take advantage of winter and spring annuals in the desert ecosystem. The herd generally consist of mixed breed cattle. The permit is for 231 cattle year long and 172 yearlings.

Throughout the years, water developments (springs) have been constructed on the allotment to relieve some of the distribution problems. There are several existing fences in place to form pastures, but these pastures can not be utilized until a more diverse watering system is developed. Extensive management has been very limited as a result of insufficient water. The permittee has instigated a "herding practice" and has hauled water to compensate for the lack of water and to improve livestock distribution. During drought periods, he has voluntarily removed some animals to help relieve grazing pressure.

Management Goals and Objectives

The basic goal of this management plan is to improve resource conditions on the Roosevelt management unit while maintaining a viable livestock operation. Based on this goal, the management objectives, formulated by the Interdisciplinary Team, are:

- accommodate riparian recovery on Cottonwood and Pine Creeks.
- improve management to increase the area of distribution of livestock from 60% to 80-90% of suitable acres on the allotments using Forest Service Guidelines and Standards.
- achieve proper use of rangeland vegetation on a greater percentage of allotment acreage to improve rangeland resource objectives.
- use smaller pastures and more intense grazing for a shorter time period as a tool to accomplish more unified distribution.
- through better resource management, improve water based recreation opportunities, and Resource Access Travel Management (RATM) with minimal conflicts between livestock and recreation.
- manage livestock to achieve multiple resource objectives while maintaining an economical livestock operation.
- manage wilderness for its special values and monitor use through the limits of acceptable change (LAC), to conform to the standards of the Wilderness Act of 1964.

Grazing System and Schedule

The Roosevelt Allotment's grazing management utilizes a Modified Santa Rita grazing system. Six of the eight pastures will be managed by reducing the present 6 month average use in a grazing cycle to 3 months. The 2 remaining pastures will be reduced from 12 months of grazing during a cycle to 3 months in Lower Pine Pasture and 6 months in Upper Pine Pasture. The timing of grazing will be rotated throughout the year, with each pasture being grazed at different times each rotation. Upper Pine Pasture, Davis Pasture, and Rainy Holding Pasture are included in the designated wilderness, and will receive a minimum of one year rest. The technical advantage of this system is the improved amount of annual growing season rest which it affords.

The grazing schedule is intended to be flexible enough to allow for minor shifts in livestock movements between units to adjust for moisture conditions and available water. Major changes or shifts in movement dates must be jointly agreed upon by the permittee, and the Tonto Basin District Ranger.

Implementation of each unit grazing system will occur upon installation of necessary water developments and fences. Any change in current management practices will be jointly agreed upon and documented in the annual plan of instructions.

Range Development and Improvements

Fencing and extensive water developments are critical to the effectiveness of this management plan. Presently there are only seven grazing pastures and five holding pastures between the two permittees.

Implementing the grazing management system will require the construction of 18 structural projects, including spring developments, pipelines, fences, cattleguards, storage tanks and drinkers.

Range developments and improvements will be constructed under permit modification using the following procedure:

- 1) Forest Service and Permittee (or representative) will locate improvement or development on-the-ground and flag the site.
- 2) Forest Service will review, or if necessary, prepare additional NEPA documentation and permit modification authorizing the work.
- 3) Upon completion of the work and acceptance by the Forest Service, the permittee will provide the Forest Service an itemized invoice of his costs associated with the improvements if/when ASCS monies are used.

Generally, range improvements will be a cost-share effort between the Forest Service and the permittee. Due to the Central Arizona Project, Plan 6, those improvements already existing on the lower one-third of the Roosevelt Allotment will need to be replaced. The replacement of these projects will be funded by the Bureau of Reclamation. A separate schedule attached itemizes the improvements along with the share to be paid or supplied by the Forest Service and that of the Permittee.

Each improvement will be constructed under a permit modification which will outline specific details of cost-share and details of construction. When funding limitations exist in any fiscal year, water developments will have priority over fence construction.

Range Improvement Schedule

See appendix - Range Improvement Schedule

Range Improvement Maintenance

The attached list of range improvements will be maintained by the permittee to a functional standard throughout the life of the plan. Emphasis will be placed on maintaining allotment boundary fences and maintaining existing spring developments.

The use of heavy equipment such as crawler tractors must be approved in advance by District Ranger.

Cleaning dirt stock tanks is considered a maintenance item and will require only advance notice via phone call. Any major work which significantly alters the structure, spillway or increases the original capacity of the tank is considered reconstruction and will require a joint on-site inspection to determine the extent of work to be done.

General Management ConsiderationsA. Actual Use Records

The permittee will keep accurate accounting of cattle numbers entering each unit and the length of time the unit was grazed. These records will be presented to the District at the end of each grazing season.

B. Annual Plan

The Annual Operating Plan will be the action plan that implements management decisions for the current year. These instructions will serve as a working understanding with the permittee for carrying out actions described in the management plan. The annual plan will outline items of permittee responsibility such as salting, range improvement construction and maintenance, and livestock movement between units.

C. Followup Action and Monitoring

Follow-up action and monitoring will be consistent with the Interagency Review Team's Monitoring Plan for Plan 6 allotments (See Appendix) and base data collected prior to new management agreements. This Monitoring Plan is an integral part of the Allotment Management Plan. Designated photo points will be taken every year by either the permittee or a Forest Service official. Vegetative sampling associated with the Monitoring Plan will be conducted in FY95. The purpose of this is to determine the effectiveness of the management plan and the location of the range improvements. The effective implementation of this management plan and the availability of adequate waters in the different grazing units will improve both the resource condition and the grazing capacity on the Roosevelt Allotment.

Reports of the monitoring results will be sent to the Bureau of Reclamation. The status of new improvements, whether completed and/or their progress, will be noted after the four year monitoring review and the preparation for the modification of the 5-year plan. The status of these improvements is important when determining their usefulness and effectiveness as it pertains to the monitoring results.

Fiscal Year 1993

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY COST SHARE ECT.		COMMENT
		MATERIALS	LABOR	FS/SCS/BOR	PERMITTEE (P)	
Lower Pine Pipeline	1" Galv-enized pipe.	\$4,000		50% RBF 50% SCS		Install 2.5 miles of galvenized pipe.
Deer Hill Deer Hill to Alchesay Pipeline and Storage Tank	1" galv-enized pipe with 3 cement trough 10,000 gal st tank.	\$6,750		BOR	N/A	Install .75 miles of pipeline, 3 cement troughs & 1 10,000 gal steel tank.
Deer Hill Pump Station	Myers Piston Pump	\$5,000	N/A	BOR		Install a Pumping station at Deer Hill.
Cottonwood Pipeline	3/4" galv-enized pipe with 3 cement trough	\$3,800		BOR		Install 1 mile galvenized pipe and 3 cement troughs
Burnt Corral Alchesay Pipeline	3/4" galven 1"267 psi bk pipe & 1 cem. 2metal trough	\$4,250		BOR		Install .75 mi galvenized 3/4" pipe, and install .5 mi black pipe. 1 cement and 3 metal troughs.

Fiscal Year 1994

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY COST SHARE ECT.		COMMENT
		MATERIALS	LABOR	FS/SCS/BOR	PERMITTEE(P)	
Substation Substation Pipeline Extension	3/4" galv- enized pipe with 3 cement trough	\$3,800		BOR		Install 1 mile galvenized pipe and 3 cement troughs
Upper Pine Winger Spring Development and Pipeline	1" 250 psi black pipe with 3 trough	\$3,659		BOR		Install 1.5 miles of pipeline with 4 metal trough
Yellowjacket Spring Development and Pipeline	1" 250 psi black pipe with 2 trough	\$2,550		BOR		Install 1 mile of pipeline with 3 metal troughs.
Burnt Corral Burnt Corral Gravel Pit Pipeline	PVC Sched- ule 40 plas- tic w/ 1 cement trough	\$ 700		RBF		Install .5 miles of PVC pipe and bury it with 1 cement trough.
Lion Spring West Lion Spring Pipeline	1" PVC sched 40 w/2 cement trough 10,000 gal st tank.	\$2,700		RBF		Install .75 miles of pipeline, 2 cement troughs & 1 10,000 gal steel tank.
Burnt Corral North Burnt Corral 3 mile Wash Pipeline	1" 250 psi black 1" PVC sched 40 3tr	\$2,150		RBF		Install .5 mi black pipe, .5 mi PVC with 2 metal and 1 cement troughs
Lion Spring Pasture Fence	Conv. 4 strd barbed wire fence.	\$4,000		RBF		Construct 2 miles of fence to F.S. wildlife standards.

Fiscal Year 1994 and Unfunded Projects

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY		COMMENT
		MATERIALS	LABOR	FS/SCS/BOR	COST SHARE ECT. PERMITTEE(P)	
Upper Tank Upper Tank Pasture Fence	Conven 4 strd barbed wire fence	\$6,500		S.C.S.	50% Costshare (P) \$6,500	Construct 2.5 miles fence to F.S. & wildlife standards.
Ty H.P. Ty Holding Pasture Fence	Conven 4 strd barbed wire fence	\$7,800		S.C.S.	Same as Above. \$7,800	Construct 2.75 miles fence to F.S. & wildlife standards.
Rainy Rainy to Waterdog Pipeline and Storage Tank	3/4" galven 1"250 psi bk pipe & 3metal trough 1000gl tank.	\$5,955		Not Funded		Install .75 mi galvanized 3/4" pipe, and install .25 mi black pipe with 3 metal trough and 1 1,000 gal steel tank.
Substation Thompson Cattleguard	12' cattle guard with cement bases	UF \$1,500		Not Funded		Install 1 Cattleguard.
Surprise Tank Cattleguard	12' cattle guard with cement bases	UF \$1,500		Not Funded		Install 1 Cattleguard.
Upper Tank Upper Tank Cattleguard	12' cattle guard with cement bases	UF \$1,500		Not Funded		Install 1 Cattleguard.