

BARTLETT ALLOTMENT
MANAGEMENT PLAN

CAVE CREEK RANGER DISTRICT
TONTU NATIONAL FOREST

Prepared By

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9-2-82

Date

9/2/82

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9/1/82

Date

9/25/82

Date

Basic Description of Allotment

The Bartlett Allotment is 48,325 acres in size, with approximately 2,100 of the acres being unfenced private land, river or lakebed. Suitable acres have been estimated at 21,510. Several inspections have been conducted in the past, but there is no record of range analyses or production/utilization surveys. The allotment has no established clusters or photopoints.

There is one division fence that runs east-west, basically following Log Corral Wash, with a short piece of fence west of the lake. Water developments on the Forest include 15 springs and 5 tanks.

The major portion of the allotment is desert shrub; more specifically it is composed of 2 or 3 of the sonoran desert scrub biotic communities of Brown & Lowe. Jojoba, triangle-leaf bursage, cholla, and palo verde are dominant species. The northeastern portion is browse type or the evergreen sclerophyll community of Brown & Lowe. Dominant species include mountain mahogany, turbinella oak and ceanothus.

The Verde River supports relict stands of a riparian community; the cottonwood-willow community of Brown & Lowe.

There are several mesquite bosques along the river. Notable among these is one at Needle Rock, which investigations indicate is a very important site for obligate riparian bird species.^{1/}

Topography is low-relief for the most part, with low hills and ridges dissected by numerous washes. These drainages are not a hinderance to livestock distribution except in the southern malpais country adjacent to the McDowell Indian Reservation. This country is composed of long low ridges running northeast-southwest divided by steep-walled washes. Elevations range from 4,699' atop Granite Mountain to 1,500' at the Verde River.

Livestock Operation

The ranch is run as a cow/calf/yearling operation, with grazing on the entire allotment yearlong. The term permit is for 317 adults yearlong and 188 yearlings from 1/1-5/31. Livestock are primarily hereford and hereford-brahma crosses. Animal husbandry practices are not intensive: bulls are turned out with the rest of the herd all year, calves are born year-round and branded at roundups in the fall and spring. The heavy end of the calf crop is shipped in the fall, with minimum use of the yearling carryover provision. The Pinnacle Peak Ranch on private lands adjoining the allotment on the west boundary is used as the primary working headquarters.

^{1/} Higgins, Alton E. & Robert D. Ohmart. 1981. Riparian Habitat Analysis, Tonto National Forest. Prep. under USDA FS Contract No. 53-8371-9-2656

Range Limitations, Problems and Conflicts

Past management practices on this yearlong allotment with limited control features has resulted in concentrated livestock use in some areas and light to no grazing on other areas. The presence of the river in the middle of the allotment creates a major livestock distribution problem. Cattle tend to congregate along the river, especially during summer months. Constant riding and herding is necessary to keep cattle located on other waters away from the river, but past efforts to accomplish this have not been effective. The lack of permanent livestock waters on portions of the allotment west of the river further complicate this problem.

Yearlong grazing use of the river also presents a conflict with maintenance of the important wildlife habitats found along its course. Year-round recreational activities along the river has resulted in occasional vandalism, butchers and livestock harassment.

Goals and Objectives of Management

Goal: To improve the condition and trend of the forage and associated resources affected by grazing management on the Bartlett Allotment.

Objectives:

- 1) Provide for a mutually agreed to direction over the next five year period for management of the grazing resources.
- 2) Initiate grazing practices that allow for at least seasonal deferment of the range which will begin to address plant growth needs and add validity to grazing capacity surveys.
- 3) Provide a basic management framework that can easily be intensified once range analysis surveys determine overall allotment needs.
- 4) Provide an opportunity to improve animal husbandry practices and ranching operations by reducing the amount of country that needs to be worked at one time, allowing for controlled cattle breeding and maintenance of accountability.

Management System

The initial system of management on the allotment will consist of a single herd 2 pasture deferred rotation system. Basically the area including the river and the west portion of the allotment will be one pasture with the remainder (area east of Bartlett Lake and the river) comprising the second pasture. The existing pasture north of Log Corral Wash will be used as part of the East unit. The prescribed

grazing use amounts to approximately 5 months of winter use by the entire herd on the River unit and 7 months use on the East unit. The enclosed R3-2200-18 Grazing System Pasture Plan and Use Record displays the grazing prescription. Pasture moves between units corresponds closely with spring and fall roundups.

Distribution Aids to be Employed

A new division fence will be needed to create the two basic pasture units for the grazing system. Salting will proceed as in the past, on areas of good feed at least $\frac{1}{2}$ mile away from waters. Conscientious herd riding by the permittee will contribute to the best overall uniform utilization possible in each pasture. Cattle numbers to graze the Log Corral unit will be subjectively determined initially.

Range Improvements - Construction

The proposed pasture fence will require 7-8 miles of material depending on exact location. Basically the fence will be situated east and paralleling the river from Bartlett Dam to the Reservation Boundary. There are no other construction needs scheduled in connection with this plan.

Maintenance of Improvements

Maintenance/reconstruction is necessary on most of the developed waters on the allotment. Specifically: Black Mesa Stock Tanks, Round Tank, Buckhorn Tank, Model A Tanks, Carlock Tank, Ryan Tank, the tank on the private portion of Section 28 (T5N, R6E), Powerline Spring, Sycamore Spring, Yellowjacket Spring, Summit Spring, Marcos Spring, John's Spring and Brown Jug Spring. A joint survey by the Forest Service and permittee will be conducted to determine the specific situation/needs at each of these developments. (For other routine maintenance responsibilities, see Appendix).

Once the fence is constructed, proper maintenance of watergaps will be essential for the new management system to work. The watergap on the Reservation Boundary will need particular attention. It will be of increased importance that springs be in good working order, and tanks be clean, since cattle will be depending on these waters for the part of the year when drought is most likely.

Development Program Schedule

The Forest Service will contribute up to \$21,000 in materials for the developments identified in this plan. These materials will be acquired by October 1982 and construction/reconstruction can proceed immediately following the approval of necessary environmental assessment documents. The permittee will be responsible for the cost of labor to complete these developments. Work on water improvements should precede the completion of the division fence if possible. The time period for accomplishing this development program is estimated at one year.

Follow Up Action

Production/Utilization surveys of grazed pastures following cattle moves will be started once the grazing system is in operation. Additional follow up action will include issuance of annual permittee instructions. These instructions will serve as a working understanding with the permittee for carrying out the actions prescribed in the Management Plan. The annual plan will outline items of permittee responsibility such as salting and supplementation, range improvement construction and maintenance, livestock movements between units and phase-in of the grazing system. Field work for a range allotment analysis is planned to be initiated during the summer of 1982.

Every effort will be made to abide by the plan of pasture use. Any exceptions will be discussed and agreed upon in writing well in advance before alterations are made on-the-ground.

APPENDIX

- A. Allotment map, with new and reconstructed improvements
- B. 2200-18 Grazing System Pasture Plan and Use Record
- C. CPO 2200-5, list of range improvements and maintenance responsibilities.

LOCATIONS FOR POSSIBLE WATER DEVELOPMENTS- BARTLETT

T4N R7E	SEC. 2	NE ¹ / ₄ NW ¹ / ₄	TANK	V.
T5N R6E	SEC. 11	NW ¹ / ₄ SE ¹ / ₄	TANK	V.
	SEC. 18	SW ¹ / ₄ NW ¹ / ₄	"	"
T5N R7E	SEC. 24	SECOND WATER SPR. - WATER RIGHTS ?		
	SEC. 26	NW ¹ / ₄ NW ¹ / ₄	SPR.	V.
	SEC. 34	NW ¹ / ₄ SE ¹ / ₄	TANK	V.
T6N R7E	SEC. 29	SE ¹ / ₄ SW ¹ / ₄	SPR.	V.
	SEC. 30	NE ¹ / ₄ SE ¹ / ₄	"	"

WE PUT IN FOR 4 TANKS & 4 SPR ON VACUE W.

USDA FOREST SERVICE (R-3) RANGE IMPROVEMENTS

2200-5 CPU
TOMTOINVENTORY & MAINTENANCE RESPONSIBILITY
NF (12) 09-29-75 PERMITTEE NAME (b)(6)

CAVE CREEK

RD (1)

ALLOTMENT NO. 1

ALLOTMENT NAME

PERMITTEE

NAME	KIND	IMP. NO.	UNITS	ASSIGNMENT *
SUNFLOWER BARTLETT	FENCE, ABF	R02174	14.0	From Reservation Boundary North to Grand
BARTLETT CORRAL	CORRAL	000102		Maintained by Bartlett Permittee
BARTLETT SEARS FEN	FENCE, ABF	000105	2.0	" " " " (Sec. 1)
BART ST CLAIR FEN	FENCE, ABF	000106	15.0	RECONSTRUCT - FIX WATERGAPS EXCEPT FROM FENCE #11 + NORTH
FOREST BOY FEN	FENCE, NFB	000107	19.0	" " " "
CAMP PASTURE COR	CORRAL	000108		Maintained by Bartlett Permittee
CAMP PAST DR FENCE	FENCE, AI	000109	3.5	" " " "
SANDSTONE COR WING	CORRAL	000112		" RECONSTRUCT "
THO HILE DR FEN	FENCE, AI	000113	2.0	" " " " (Inc. Fov. TRAP)
LAKE DRIFT FEN	FENCE, AI	000114	1.3	" " " "
RYAN STOCK TANK 5	DAM/RESVOR	000116	8	RECONSTRUCT "
Black Mesa Tanks STOCK TANK 6	DAM/RESVOR	000117	9	RECONSTRUCT "
GARLOCK STK	DAM/RESVOR	000118	8	" " " "
COTTONWOOD BASIN STK	DAM/RESVOR	000119	13	" " " "
AGUA CHICUITA SP	SPRING, DEV	000121		" ADD STORAGE "
GRAPEVINE SP	SPRING, DEV	000123		" " " "
ROCK DEEP SP	SPRING, DEV	000125		RECONSTRUCT - ADD STORAGE

* REFER ALSO TO MAP. YOUR ASSIGNED RESPONSIBILITIES AS LISTED HERE ARE
UNDEVELOPED IN COLOR ON THE MAP.

2200-5 CPU
TONTO

INVENTORY & MAINTENANCE RESPONSE
NF (12) 09-29-75

PERMITEE NAME

(b)(6)

CAVE CREEK

RD (1)

ALLOTMENT NO. 1

ALLOTMENT NAME

BARTLETT

NAME	KIND	IMP. NO.	UNITS	ASSIGNMENT *
SYCAMORE SEEP SP	SPRING, DEV	000126		Maintained by Bartlett Permittee
ALDER CREEK CORRAL	CORRAL	000346		" " " "
SYCAMORE TRAP	CORRAL	000347		" " " "
ROUND TANK SPRING	SPRING, DEV	000348		" " " "
YELLOWJACKET SPR-P	SPRING, DEV	000350		RECONSTRUCT-ADD STORAGE
HARVEY SPRING	SPRING, DEV	000351		" " " "
MCCANN CORRAL	CORRAL	000352	1	" " " "
RND TK CORRAL #1	CORRAL	001962		" " " "
RND TK CORRAL #2	CORRAL	001963		" " " "
RND TK FENCE	FENCE, AT	001964	1.2	" " " "
RND TANK PIPELINE	PIPELINE, W	001967	.	" " " "
COTTON WOOD TRAP	FENCE, W.L.	001970	.	" " " "
COTTON WOOD CORRAL	CORRAL	001971		" " " "
SECOND WATER	SPR. DEV. WELL, UNEQU	001972	250	" " " "
MCCANN WELL	WELL, UNEQU	001973	170	" " " "
RESQUITE WELL	WELL, UNEQU	001974	250	" " " "
WASIN SP	WELL, UNEQU	001975	210	" " " "

* REFER ALSO TO MAP. YOUR ASSIGNED RESPONSIBILITIES AS LISTED HERE ARE UNDERSCORED IN COLOR ON THE MAP.

2200-S CPU
TONTUINVENTORY & MAINTENANCE RESPONSIBILITY
HF (12) 09-24-75

PERMITTEE NAME

(b)(6)

CAVE CREEK

RD (1)

ALLOTMENT NO. 1

ALLOTMENT NAME

~~PATLITE~~

ASSIGNMENT *

NAME	KIND	IMP. NO.	UNITS
BOX BAR CORRAL	CORRAL	001977	
LOG CORRAL FENCE	FENCE, AI	002036	1.5
Brown Jug SPRING	SPR., DEV.	002039	
JOHN'S WATER H WELL	WELL, UNEDU	002064	
MARCUS SPR	SPRING, DEV	002065	
SUMMIT SPR H WELL	WELL, UNEDU	002066	
BEAR SPR	SPRING, DEV	002067	
HAURIS SPR	SPRING, DEV	002068	
PURPLELINE SPR	SPRING, DEV	002069	
RND TRK CABIN	CABIN	002070	10
BARTLETT COR SHED	BARN	002071	
BOTTOM PAST FEN	FENCE, AI	002089	1.0
BOTTOM LANE FEN	FENCE, AI	002090	1.0
ROUND STR	DAM/RESVOR	002091	10
BARTL CROSS F FEN	FENCE, ABF	002174	0.4

2113

Maintained by Bartlett Permittee

" " " "

RECONSTRUCT- ADD TROUGH

RECONSTRUCTION STORAGE

RECONSTRUCT " "

RECONSTRUCT- ADD TROUGH

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RECONSTRUCT- ADD TROUGH

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