

Dutchwoman

Allotment Management Plan

Tonto Basin Ranger District

Tonto National Forest

Region III

Prepared By: Rhonda O'Byrne
Rhonda O'Byrne
District Range Conservationist

1/22/93
Date

Linny Warren
Linny Warren
District Range Staff

1/22/93
Date

Mitchell R. Jordan
Permittee

Jan 21, 1993
Date

Charles E. Erickson Jr
Permittee

1-21-1993
Date

Submitted By: Dennis P. Roy
Dennis P. Roy
District Ranger

1/26/93
Date

Approved By: Eddie Alfred
for Judith A. Miller
Acting Forest Supervisor

1/27/93
Date

DUTCHWOMAN
ALLOTMENT MANAGEMENT PLAN

Allotment Description and Background

The Dutchwoman Allotment consists of approximately 30,000 acres north of Theodore Roosevelt Lake. It is adjacent to the Greenback Allotment to the north, Armer Mountain Allotment on the east, and the Tonto Basin Allotment to the west. Approximately 3500 acres in the northern part of the allotment lies within the Salome Wilderness. The Dutchwoman Allotment is within the Tonto Basin Ranger District, Tonto National Forest in Gila County. Elevations run from 5000 feet at Dutchwoman Butte in the northern part to 2200 feet along the shore of Roosevelt 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 Roosevelt Lake and several perennial springs, Salome Creek, an ephemeral stream, is the other major riparian area running through the allotment.

The present permittees have been very cooperative in contributing money and labor for the construction of range improvement projects. They understand 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 Dutchwoman 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 allotment has two permits at present. Mitchell Holder carries one for 110 cattle + 60 yearlings. Charles Erickson carries the other for 175 cattle + 96 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 permittees have instigated a "herding practice" to compensate for the lack of water and to improve livestock distribution. During drought periods, they have 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 Dutchwoman 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 Salome Creek.
- improve management to increase the area of distribution of livestock from 40% 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 Dutchwoman Allotment has two grazing management systems, one per each permittee, both are modified "Santa Rita" Grazing Systems. Charles Erickson, Jr. has the eastern section of the allotment, approximately 15,640 acres, used as an eleven pasture rotation system. The northern most pastures, Thompson and Armer, will be used alternately throughout the winter months, one per year while the other rests. The riparian pastures, Salome East, Salome West Field Riparian and House Riparian, will be used in rotation from February 15 until April 15. Salome East and Salome West will be used every year. The other two will be used alternately, one per year while the other rests. The Cloverleaf pasture will be used as a transition between the major grazing pastures. Bull Mountain and West Lake pastures, in the lower elevations near Roosevelt Lake, will be used alternately by mature cattle and calves in the spring and summer months. One will be allowed to rest every year. Dutchwoman and Pipe Tank pastures, in the center of the allotment, will be used simultaneously every other year from July 15- Sept. 15.

Mitchell Holder has the permit for the western portion of the allotment, approximately 13,471 acres, used as a nine pasture rotational system for mature cattle and calves, and 3 holding pastures for yearlings. All pastures, except for Long Gulch, will be used in pairs simultaneously. The northern pastures, Jug and Apron, will be used from Nov. 15- March 15 every year. The remaining seven pastures in the lower elevations, East Artesian, Goose Flats East, West Artesian, Goose Flats West, Long Gulch, Cactus Butte and Hackberry will be used alternately from March 15- Nov. 15, each pair for approximately 2 - 2.5 months. Each pasture or pair of pastures, other than the Jug and Apron, will

be rested completely for at least one full year out of every four. The grazing schedule and intended numbers of cattle in each unit are displayed on form R3-2200-18.

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 39 structural projects, including spring developments, pipelines, fences, cattleguards, storage tanks and drinkers. Non-structural projects include one prescribed burn. The Forest Service will consult with the FWS over range developments and improvements that may affect endangered species.

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 prepare 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.

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 Dutchwoman 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 Considerations

A. 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 Dutchwoman 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 1992/1993

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY		COMMENT
		MATERIALS	LABOR	COST SHARE ECT. FS/SCS/BOR	PERMITTEE(P)	
1 WEST LAKE W. LAKE PIPE-LINE & DRINKERS	1" 250 PSI BK PIPE & 3 STEEL DRINKERS	\$3750	N/A	B.O.R. (CON.#2-AA-32-00150)	LABOR COST 25% (P) \$1950	INSTALL 1 MILE PIPE. ROLL OUT W CJ5 JEEP. SET DRINKER AND BURY PIPE IF POSSIBLE WITH EQUIPMENT.
W. LAKE STORAGE TANK	10,000 GAL STEEL RIM TANK	\$3500	\$1500	SAME AS ABOVE	LABOR COST (FS)	CONSTRUCT A STEEL RIM TANK WITH A CEMENT BASE SET WITH BACK HOE
LAKE TANK EAST	EARTH-SADDLE TANK	\$500	\$1000	(FS) RBF	CO-OP LABOR WITH (P)	CONSTRUCT A TANK WITH A BULLDOZER ON HEAVY CLAY SOILS
LAKE TANK WEST	SAME AS ABOVE	\$500	\$1000	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE
2 EAST ARTESIAN ARTESIAN E/W FENCE	CONVEN 4 STRAND BARBED WIRE FENCE	N/A RANGE IMPROVEMENT PROJECT	N/A	BOR (CON.# 8-07-32-L2112)	N/A	CONSTRUCT 1 MILE OF FENCE TO F.S. AND WILDLIFE STANDARDS.
ARTESIAN LONG GULCH FENCE	SAME AS ABOVE	SAME AS ABOVE	N/A	SAME AS ABOVE	N/A	SAME AS ABOVE 3.75 MI. FENCE

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY		COMMENT
		MATERIALS	LABOR	COST SHARE ECT.	FS/SCS/BOR PERMITTEE(P)	
7 LONG GULCH ARTESIAN WELL FENCE	CONVEN 4 STRAND BARBED WIRE FENCE	N/A RGE IMPROVE REPLACEMENT PROJECT	N/A	BOR (CON.# 8-07-32- L212)	N/A	CONSTRUCT .5 MI FENCE F/S WILD. STANDARDS
QUAIL SPRING CORRAL	STEEL PANELS 2"PIPE .75ROD BULL PANELS	SAME AS ABOVE	N/A	SAME AS ABOVE	N/A	CONSTRUCT A PIPE HANDL- ING CORRAL
LONG GULCH PIPELINE	1" 250 PSI BK PIPE- LINE	\$1500	N/A	B.O.R. (CON.#2-AA- 32-00150)	LABOR COST 25% (P) \$375	INSTALL 1.25 MILES OF PIPE. ROLL OUT WITH A CJ5 JEEP. SET DRINKER AND BURY PIPE WITH EQUIP- MENT IF POSSIBLE
8 HACKBERRY HENDERSON- MESA CORRAL	STEEL 2" CASING & WIRE V MESH PANELS	\$2500	N/A	SAME AS ABOVE	LABOR COST 25% (P) \$625	CONSTRUCT A STEEL WIRE MESH PANEL HANDLING CORRAL
9 CACTUS BUTTE E. CACTUS BUTTE SPR. & PIPELINE	1" 250 PSI BK PIPE & 2" STEEL DRINK- ERS & SPR-BX	\$6000	N/A	SAME AS ABOVE	LABOR COST 25% (P) \$1500	INSTALL 1.5 MILE OF PIPE. ROLL OUT WITH CJ5 JEEP. SET DRINKER. BURY PIPE WITH EQUIP- MENT IF POSSIBLE
11 THOMPSON UPPER THOMPSON SADDLE TANK	EARTH- EN SADDLE TANK	\$500	\$1000	(FS) RBF	CO-OP LABOR WITH (P)	CONSTRUCT A TANK WITH A BULLDOZER ON HEAVY CLAY SOILS

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY		COMMENT
		MATERIALS	LABOR	COST SHARE ECT. FS/SCS/BOR	PERMITTEE (P)	
LOWER THOMPSON SADDLE TANK	EARTH-EN SADDLE TANK	\$500	\$1000	(FS) RBF	CO-OP LABOR WITH (P)	CONSTRUCT A TANK WITH A BULLDOZER ON HEAVY CLAY SOILS
THOMPSON-ARMER CORRAL	STEEL PANELS 2" PIPE .75 ROD BULL PANELS	\$2500	\$2500	(FS) RBF	CO-OP LABOR WITH (P) 50%	CONSTRUCT A PIPE HANDLING CORRAL.
WHISKEY TANK-DIV. FENCE	CONVEN 4 STRAND BARBED WIRE FENCE	\$3484.80	\$871.3	SCS	CO-OP LABOR WITH (P) 75% (ERICKSON)	
13 PALO VERDE PUMP STAT. & PIPELINE	500 #s PUMP 1" 250 PSI BK PIPE & 2 DRIN-KEYS	\$6500	N/A	B.O.R. (CON.#2-AA-32-00150)	LABOR COST 25% (P) \$1625	ESTAB. PUMP INSTALL PIPE WITH EQUIP.
PUMP STAT. STORAGE TANK	10,000 GAL STEEL RIM TANK	\$2,000	N/A	SAME AS ABOVE	LABOR COST (FS)	CONSTRUCT A STEEL RIM TANK WITH A CEMENT BASE SET WITH BUCK HOE
CATTLEGUARD	12' STEEL CATTLE GUARD	\$1,000	N/A	SAME AS ABOVE	LABOR COST (FS)	12' WIDE TUBE STEEL GRID WITH CEMENT BASE OR TREATED WOOD

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY COST SHARE ECT.		COMMENT
		MATERIALS	LABOR	FS/SCS/BOR	PERMITTEE (P)	
15 ARMER EAST WHISKEY TANK	EARTH- EN SADDLE STOCK TANK	\$500	\$5,000	FS RBF	CO-OP HAB OR WITH (P) 50% DOZER	CONSTRUCT A DIRT TANK WITH A BULLDOZER ON HEAVY CLAY SOILS
17 SALOME EAST S. EAST FENCE	CONVEN 4 STRAND BARBED WIRE FENCE	\$3,125	\$5,000	B.O.R. (CON #2-AA- 32-00150) (SCRU)	LABOR RIPARIAN PROJECT CO-OP	CONSTRUCT 1.25 MI. OF FENCE FS WILD. STANDARD SPECS.
S. CROSS FENCE	SAME AS ABOVE	\$5,000	\$5,000	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE
S. WEST FENCE	SAME AS ABOVE	\$5,625	\$5,000	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE
S. CROSS FENCE	SAME AS ABOVE	\$1,250	\$5,000	SAME AS ABOVE	SAME AS ABOVE	SAME AS ABOVE

FISCAL YEAR 1994/1995

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY		COMMENT
		MATERIALS	LABOR	COST SHARE ECT. FS/SCS/BOR	PERMITTEE (P)	
13 ALO VERDE/ HOMPSON DIV. ENCE	CONVEN 4 STRAND BARBED WIRE	\$6098.40	1524.6	SCS-COST SHARE PROGRAM	CO-OP LABOR (P)	CONSTRUCT 1.75 MILES FENCE.
16 BULL MT. DAGGER SPR. PIPELINE EXTENSION #	1" PLAST- IC 250 2 STEEL DRINKER	\$1,500	-	BOR (CON # 2-AA-3E- 0150	CO-OP LABOR (P) 25%	INSTALL .5 MI. AND 3 DRINKERS
EAST ARTESIAN PIPELINE EXTENSION	SAME AS ABOVE	\$4,500	-	SAME AS ABOVE	SAME AS ABOVE	INSTALL 1.75 MI. & 2 DRINKERS
20 HOUSE PASTURE SALOME PIPELINE	SAME AS ABOVE	\$1,500	-	SAME AS ABOVE	SAME AS ABOVE	INSTALL .25 MI. AND 2 DRINKERS
14 PIPE TANK PIPE TANK DIV FENCE	CONVEN 4 STAND BARBED WIRE	\$5,227.20	1306.8	SCS - COST SHARE PROGRAM	CO-OP LABOR (P)	CONSTRUCT 1.5 MI. FENCE

FISCAL YEAR 1992/1993

PASTURE PROJECT	UNIT	EST. COST		PAYMENT RESPONSIBILITY		COMMENT
		MATERIALS	LABOR	COST SHARE ECT.	PERMITTEE(P)	
4 CLOVER LEAF DAGGER BURN	BURN 4000 AC	\$3,500	-	(FS) RBF		PRE-SCRIBE BURN 4000 AC
14 CACTUS BUTTE	BURN 4000 AC	\$3,500	-	(FS) RBF	-	SAME AS ABOVE