COWBOY TANK/SQUAW MOUNTAIN

ALLOTMENT MANAGEMENT PLAN
KAIBAB NATIONAL FOREST
1998

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REVIEWED BY Ronald B Chalker — DATE 2/19/98
Ecosystem Management Staff

APPROVED BY [signature] — DATE 2-24-98
District Ranger

AGREED TO BY Joe Arriaga — DATE 4-3-98
Permittee

I. Description of Allotment

The Cowboy Tanks/Squaw Mountain Allotment is located within the Chalender/Williams Ranger District of the Kaibab National Forest. This allotment is permitted to graze as follows:

Cowboy Tanks	1016	Sheep	Ewes	5/21 - 10/20
Cowboy Tanks	30	Sheep	Rams	6/01 - 7/15
Squaw Mtn.	2032	Sheep	Ewes	5/21 - 10/20
Squaw Mtn.	60	Sheep	Rams	6/01 - 7/15

The Cowboy Tanks/Squaw Mountain Allotment lies approximately 5 miles north of Sitgreaves Mountain. The terrain varies from open grama grass flats and pinyon/juniper woodland to stringers of ponderosa pine which are present in the southern portion of the allotment. The pine timbered areas contain an understory of predominately Arizona fescue and mountain muhly with increasing amounts of mutton bluegrass. The pinyon/juniper areas support an understory of mostly blue grama with lesser amounts of squirrel-tail, june grass, 3-awn and western wheatgrass.

Prior to 1961, this allotment was part of the old Williams Community Allotment, which grazed both sheep and cattle. In 1963, these allotments became a part of the Boulin Sheep and Goat Allotment. The Boulin allotment was then divided into three sheep allotments which are now called the Cowboy Tank, Squaw Mountain and Twin Springs Allotments. Currently the permit for these three allotments are held by Joe Auza Sheep Company.

Since the Cowboy Tank and Squaw Mountain allotments do not contain interior fencing, they work well as sheep allotments with herders moving sheep from grazing unit to grazing unit with relatively short use periods in each unit. The estimated number of days sheep use each grazing unit are as follows:

SQUAW MOUNTAIN
2032 ewes and 60 rams

PASTURE	ESTIMATED NUMBER OF USE DAYS
1. Quintana	20 days
2. Mira Sol	20 days
3. Leon	25 days
4. Guragu	25 days
5. Caldena	20 days

6.	Puerto Saffalo	25 days
7.	Gabriel	25 days
8.	Picnic	20 days

COWBOY TANK
1016 ewes and 30 rams

1.	Cedar Mountain	35 days
2.	Cowboy 1	35 days
3.	Cowboy 2	35 days
4.	Laws	35 days
5.	Horse Trap	45 days

On both Cowboy Tank and Squaw Mountain allotments, a rest-rotation grazing scheme will be followed allowing for 1 pasture on each of these allotments to be rested each year.

II. Desired Condition

In the long term, range condition will be fair with a stable or upward trend. Grazing use will be less than or equal to grazing capacity for all pastures. There will be an increase of cool season grass species which will allow for a more balanced mix of available forage throughout the year. Livestock distribution will be improved by providing for more watering points throughout both allotments. This will be obtained by developing more earthen stock tanks and reconstructing existing non-functional stock tanks and trick-tanks.

The Forest Service will continue to provide opportunities for viable livestock grazing operations consistent with good ecosystem principles.

III. AMP Objectives

The following objectives were developed for the specific proposal to move the allotments toward the desired condition.

1. Improve livestock distribution through construction of new earthen stock tanks and the reconstruction of existing stock tanks and trick-tanks.

2. Maintain the upward trend of range condition by allowing for as much rest to the forage component as possible.

3. Maintain the Cowboy Tank and Squaw Mountain allotments as sheep allotments and continue to move sheep with the use of a herder.

IV. Proposed Range Improvements

The following range improvements will require appropriate NEPA documentation before constructing.

1. Reconstruct trick-tank apron at Laws trick-tank.

2. Reconstruct Horse Lake (tank). (Note-Accomplished 2/03/98).

3. Construct an earthen stock tank in the drainage the runs between Cowboy and Geronimo tanks. (See allotment map for specific location). Water right filed for on January 28, 1998.

4. Construct 6 roadside pit tanks or drainage tanks on the Squaw Allotment. (See enclosed allotment map for general locations).

V. Allotment Key Areas

The key areas for the Cowboy Tank/Squaw Mountain allotments have been identified in the 1995 production/utilization study. These areas have been delineated as follows:

KEY AREA (1995 P/U STUDY)	ALLOWABLE USE
COWBOY TANK ALLOTMENT	
UNIT DELINEATION NUMBER 2 (UTILIZATION CAGE INSTALLED)	40%
UNIT DELINEATION NUMBER 4	40%
SQUAW MOUNTAIN ALLOTMENT	
UNIT DELINEATION NUMBER 3 (UTILIZATION CAGE INSTALLED)	40%
UNIT DELINEATION NUMBER 6	40%
UNIT DELINEATION NUMBER 10	40%

VI. MONITORING

Rangeland monitoring can be accomplished by inspecting these Key Areas for utilization by ungulates. In addition to the key areas established in the 1995 production/utilization study, two utilization cages have been installed on these two allotments. These cages are identified on the 1995 production/utilization map. (See production/utilization map legend for location of cages).

When this AMP is revised, production/utilization and range analysis information should be conducted to obtain needed information concerning allotment capacity and range condition and trend.