

ALLOTMENT MANAGEMENT PLAN
HOMESTEAD/DAVENPORT LAKE ALLOTMENTS
WILLIAMS RANGER DISTRICT – KAIBAB NATIONAL FOREST

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I. GOALS AND OBJECTIVES

There are two aspects concerning goals and objectives of grazing management on the Homestead/Davenport Lake allotments and they are to 1) provide forage for domestic livestock as directed by the Forest Plan, and 2) maintain or improve range conditions on both allotments with special attention being placed on increasing the cool season plant component within the Davenport Lake allotment.

II. MANAGEMENT STRATEGY

The Homestead Allotment will be managed as a cow/calf operation under a four-pasture rest rotation grazing system, with one pasture being rested once every four years. Under this management, the pasture that was rested the past year will be used first the following year. There are 125 cattle permitted, and the season of use is May 1 through October 31. Allowable use in key areas is 40 percent. On years that the White House pasture is scheduled for grazing in the spring, the number of days of use during the spring and early summer months will be reduced by 5 days to provide additional recovery time for cool season plants.

The Davenport Lake Allotment will be managed under a five-pasture deferred rotation grazing system, with 145 head of cattle permitted. A new pasture division fence will be installed (cattle guard was installed in 2004) for improved livestock distribution on Depot pasture. The construction of this new fence will also help facilitate resting the other pastures by using the newly created unit at the beginning of the grazing season for 4 out of 5 years for a short period (15-20 days) before being moved to other pastures within the rotation. This early short grazing period would nearly eliminate any "re-use" on cool-season plant growth within the newly created Depot pasture, while providing for early deferment of these species in the other pastures. Average allowable use in key areas would remain at 30 percent throughout the Davenport Lake allotment.

To insure that livestock activities do not impact the ephemeral wetlands, temporary fencing may need to be constructed around them to insure that livestock do not utilize these areas until adequate drying has occurred. ("Ten days after standing water has dissipated"). This fencing will be installed and maintained by the Forest Service.

In addition, to facilitate livestock operations, a new holding pasture will be constructed. The establishment of this pasture involves an exchange in the use of several small grazing areas within the Davenport Lake Allotment (totaling about 315 acres), for the use of 420 acres in the adjacent

Sitgreaves Allotment. This reflects an agreement in the exchange of use between grazing permit holders and does entail allotment boundary adjustments. The 315 acres of "exchanged use" lands used by the Sitgreaves Allotment permit holder would be managed with the same average utilization as the other key areas in the Davenport Lake Allotment (30%). This exchange of lands is a permanent action covered in the allotment NEPA.

All range improvements assigned to the permittee (see attached improvement listing), need to be maintained in order to facilitate proper management of these two allotments.

The grazing schedule identified on form R3-2200-19, is a guide, and should be followed as close as possible in order to obtain the goals and objectives specified above.

III. LIVESTOCK DISTRIBUTION AIDS

All developed waters within the Homestead and Davenport Lake Allotments should be maintained in order to help distribute livestock effectively throughout the allotments. As currently established, the use of water hauls within the Depot and Butler pastures should continue when warranted. Installation of new water haul locations, and placement of salt or other supplements, should be considered in areas of light use to encourage improved livestock distribution.

Little Hitson and Partnership Tanks are the responsibility of the Homestead allotment permittee and can be used by the Sitgreaves allotment livestock at times when there is ample water for livestock on both allotments, and Homestead livestock are not using these two tanks.

As mentioned in the "*Management Strategy*" section, splitting the Depot pasture is needed to improve livestock distribution within this pasture as well as to allow for improved cool season forage plant rest during early spring months throughout the rest of the allotment.

IV. RANGE IMPROVEMENT CONSTRUCTION PRIORITY

A. Structural Improvements

1. Depot division fence – construct approximately 1.5 miles of fence to split the Depot pasture. Cattle guard has been installed (10/04) to facilitate fence construction. Materials are on hand at the Williams Ranger Station. Permittee is to install the fence in 2006.

2. Forest Road 71 cattle guard – install cattle guard on FS road 71 between the Davenport Lake allotment and Sitgreaves allotment. Forest Service will supply the cattle guard and earthen materials and the permittee will install it using materials that will support local traffic.

V. MONITORING ACTIONS

Collection and interpretation of utilization information is based on two companion documents, which include the *Principles of Interpreting Utilization Data* (University of Arizona, 2005) and the *Kaibab National Forest Guidelines for Obtaining and Analyzing Use Information* (2005). In addition, during years when low annual precipitation occurs the Forest will continue to use the *Kaibab National Forest Drought Policy Guidelines* that were developed in 2002.

Utilization monitoring will occur prior to, during and after livestock use in each pasture to assure that 40 percent or less of the utilization is occurring within the Homestead allotment and 30 percent within the Davenport Lake allotment, respectively. Regardless of the normal scheduled season of use, pastures that encompass Davenport, Depot and Dry Lake ephemeral bottoms (all within the Davenport Lake allotment) will not be stocked with livestock until “standing water has dissipated from these areas for ten days.” Cattle will utilize other pastures during these periods. Whenever possible, the allotment permittee will be notified of these inspections prior to when they are conducted.

During inspections, monitoring will assure that salt or mineral supplements are not being placed within Mexican Spotted Owl restricted habitat.

General ocular monitoring of use or reading of utilization cages in key areas will be accomplished periodically during the grazing season in each pasture leading up to the time livestock are scheduled to rotate out of the pasture. If allowable utilization is met prior to the scheduled rotation date, livestock will be removed immediately.

Noxious weeds will be identified during field inspections and follow-up action will be implemented according to the *Noxious Weed Strategic Plan Working Guidelines* for the Kaibab National Forest.

VI. FLEXIBILITY

It is imperative that flexibility be considered when following this allotment management plan. Adjustments to the grazing sequence may be

necessary due to weather constraints (i.e. precipitation patterns favor or do not favor certain portions of the allotment), or management activities in an allotment or pasture (P J treatment or prescribed burning).

There may also be a need to vary livestock numbers to meet objectives. Drought may force the reduction of livestock numbers (refer to Kaibab National Forest Drought Policy) while on the other hand additional numbers above term permit may be appropriate in certain situations.

IMPROVEMENT INVENTORY and MAINTENANCE RESPONSIBILITY

DAVENPORT LAKE ALLOTMENT IMPROVEMENTS BY NAME, IMPROVEMENT NUMBER, UNITS IN PLACE, AND MAINTENANCE RESPONSIBILITY.

03/25/2004

<u>IMPROVEMENT NAME</u>	<u>IMPROV. NUMBER</u>	<u>UNITS IN PLACE</u>	<u>MAINTENANCE RESPONSIBILITY</u>
DAVENPORT-SITGREAVES FENCE	002072A	4.1	PERMITTEE MAINTENANCE
I40 ROW FENCE NORTH	002121	3.2	ADOT MAINTENANCE
DAVENPORT-GOVT. PR. FENCE	002122	1.8	PERMITTEE MAINTENANCE
ATSF RR ROW FENCE	002123	7.4	RAILROAD MAINTENANCE
DOGTOWN P/L TROUGH	002124	1	PERMITTEE MAINTENANCE
DAVENPORT TANK SOUTH	002125	1	PERMITTEE MAINTENANCE
<i>MAGNUSON TANK</i>	<i>002455</i>	<i>1</i>	<i>Permittee MAINTENANCE</i>
DT TANK	002127	1	PERMITTEE MAINTENANCE
DAVENPORT TANK NORTH	002128	1	PERMITTEE MAINTENANCE
DRY LAKE TANK	002129	1	PERMITTEE MAINTENANCE
RAILROAD TANK	002260	1	PERMITTEE MAINTENANCE
OLD RANGER STATION TANK	002261	1	PERMITTEE MAINTENANCE
MUD TANK	002262	1	PERMITTEE MAINTENANCE
BOXCAR-CHAL. PASTURE FENCE	002263	0.5	PERMITTEE MAINTENANCE
REED TANK	002264	1	PERMITTEE MAINTENANCE
BERRY TANK	002265	1	PERMITTEE MAINTENANCE
S. LAKE DIV. FENCE	002276	0.9	PERMITTEE MAINTENANCE
BUTLER-FIX PASTURE FENCE	002277	1.25	PERMITTEE MAINTENANCE
N. LAKE DIV. FENCE	002285	1.0	PERMITTEE MAINTENANCE
DAVENPORT CG	002287	1	FS MAINTENANCE
SIT-DAVEN CG	002289	1	FS MAINTENANCE
RAYMOND TANK W/L FENCE	002301	0.3	PERMITTEE MAINTENANCE
BUGGY WHEEL CG	002324	1	FS MAINTENANCE
I40 ROW FENCE SOUTH	002332	3.9	ADOT MAINTENANCE
DAVENPORT-HWY 64 FENCE	002345	1.0	ADOT MAINTENANCE
PITMAN TANK	002347	1	PERMITTEE MAINTENANCE
SAWMILL TANK DRINKER	002419	1	PERMITTEE MAINTENANCE
SAWMILL STORAGE TANK	002473	1	PERMITTEE MAINTENANCE
DAV. TANK SOUTH W/L FENCE	002474	0.3	PERMITTEE MAINTENANCE
DUDE MTN. TANK	002475	1	PERMITTEE MAINTENANCE

IMPROVEMENT INVENTORY and MAINTENANCE RESPONSIBILITY

EBERT ALLOTMENT IMPROVEMENTS BY NAME, IMPROVEMENT NUMBER, UNITS IN PLACE, AND MAINTENANCE RESPONSIBILITY.

03/25/2004

<u>IMPROVEMENT NAME</u>	<u>IMPROV. NUMBER</u>	<u>UNITS IN PLACE</u>	<u>MAINTENANCE RESPONSIBILITY</u>
EBERT-FOREST BDRY NORTH	001901A	3.0	PERMITTEE MAINTENANCE
EBERT-FOREST BDRY WEST	001901B	2.6	PERMITTEE MAINTENANCE
EBERT-SMOOT FENCE	001902A	1.6	PERMITTEE MAINTENANCE
EBERT-SMOOT FENCE	001902B	1.5	PERMITTEE MAINTENANCE
MILLER WASH TANK	001914	1	PERMITTEE MAINTENANCE
FIX TANK	001915	1	PERMITTEE MAINTENANCE
WINTER CAMP W/L FENCE	001918	0.3	PERMITTEE MAINTENANCE
WINTER CAMP TANK	001919	1	PERMITTEE MAINTENANCE
POWERLINE STORAGE TANK	001920	1	PERMITTEE MAINTENANCE
DAVES TANK W/L FENCE	001921	0.3	PERMITTEE MAINTENANCE
DAVES TANK	001922	1	PERMITTEE MAINTENANCE
FIX TANK W/L FENCE	001923	0.75	PERMITTEE MAINTENANCE
FIX TANK CORRAL	001924	1	PERMITTEE MAINTENANCE
FIX TANK BARN (HAY)	001925	1	PERMITTEE MAINTENANCE
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WHITE HILLS PAST FENCE	002477	2.75	PERMITTEE MAINTENANCE
DAVES PAST FENCE	002478	2.25	PERMITTEE MAINTENANCE
FIX-MILLER PAST FENCE	002479	1.75	PERMITTEE MAINTENANCE
EBERT PIPELINE	002480	2.75	PERMITTEE MAINTENANCE
BIG STORAGE TANK	002481	1	PERMITTEE MAINTENANCE
MILLER WASH STORAGE TANK	002482	1	PERMITTEE MAINTENANCE
MILLER WASH DRINKER	002483	1	PERMITTEE MAINTENANCE
WHITE HILL STORAGE TANK	002484	1	PERMITTEE MAINTENANCE
WHITE HILL DRINKER	002485	1	PERMITTEE MAINTENANCE
WHITE HILL W/L FENCE	002486	0.3	PERMITTEE MAINTENANCE
POWERLINE DRINKER	002487	1	PERMITTEE MAINTENANCE
POWERLINE W/L FENCE	002488	0.3	PERMITTEE MAINTENANCE

IMPROVEMENT INVENTORY and MAINTENANCE RESPONSIBILITY

HOMESTEAD ALLOTMENT IMPROVEMENTS BY NAME, IMPROVEMENT NUMBER, UNITS IN PLACE,
AND MAINTENANCE RESPONSIBILITY.

03/25/2004

<u>IMPROVEMENT NAME</u>	<u>IMPROV. NUMBER</u>	<u>UNITS IN PLACE</u>	<u>MAINTENANCE RESPONSIBILITY</u>
TWIN-TK-HOMESTEAD FENCE	001977	4.25	PERMITTEE MAINTENANCE
WHITEHOUSE-HITSON FENCE	002064	1.25	PERMITTEE MAINTENANCE
HOMESTEAD-SITGREAVES FENCE	002063A	3.75	PERMITTEE MAINTENANCE
CLARK-HARDY PASTURE FENCE	002065	2.3	PERMITTEE MAINTENANCE
CLARK TANK	002066	1	PERMITTEE MAINTENANCE
SCHOOLHOUSE TANK	002067	1	PERMITTEE MAINTENANCE
WHITEHOUSE TANK	002068	1	PERMITTEE MAINTENANCE
WILLOW SPRING TANK	002069	1	PERMITTEE MAINTENANCE
PARDNERSHIP TANK	002070	1	PERMITTEE MAINTENANCE
WHITEHOUSE-HARDY FENCE	002249	1.6	PERMITTEE MAINTENANCE
CLARK-INDIAN PASTURE FENCE	002316	1.4	PERMITTEE MAINTENANCE
SOWELL TANK	002339	1	PERMITTEE MAINTENANCE
HOMESTEAD PJ MECH	002344	50	PERMITTEE MAINTENANCE
PEDIGO TANK	002363	1	PERMITTEE MAINTENANCE
LOG TANK	002364	1	PERMITTEE MAINTENANCE
HOMESTEAD BDRY FENCE WEST	002365	6.25	PERMITTEE MAINTENANCE
PARDNERSHIP W/L FENCE	002403	0.3	PERMITTEE MAINTENANCE
SCHOOLHOUSE W/L FENCE	002463	0.3	PERMITTEE MAINTENANCE
RUPE TNAK	002464	1	PERMITTEE MAINTENANCE
OLD HARDY TANK	002465	1	PERMITTEE MAINTENANCE
NEW HARDY TANK	002466	1	PERMITTEE MAINTENANCE
BIG HITSON TANK	002467	1	PERMITTEE MAINTENANCE
BIG HITSON W/L FENCE	002468	0.75	PERMITTEE MAINTENANCE
LITTLE HITSON TANK	002469	1	PERMITTEE MAINTENANCE
LITTLE HITSON W/L FENCE	002470	0.3	PERMITTEE MAINTENANCE
CLARK W/L FENCE	002471	0.5	PERMITTEE MAINTENANCE
CLARK TRAP FENCE	002472	0.75	PERMITTEE MAINTENANCE
HQ FENCE	002476	0.5	PERMITTEE MAINTENANCE