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	Permit Number 01052A

BASE PROPERTY

Base Property is land owned and used by the permittee for a farm or ranch operation and cannot be leased to another entity. Base property shall include basic livestock management facilities. The permittee will immediately notify the Forest Officer in charge of any change in control of base property. The following land parcel is recognized as base property for the permit:

Apache County Parcel	Acreage	Legal Location	Property Assessed to:
Parcel # 203-42-002P	10 acres w/in	S ½ of the NW ¼ Section 32, Township 13 N, Range 28 E, G&SRBM.	Velvet P. Nielsen

NUTRIOSO SUMMER ALLOTMENT MANAGEMENT PLAN

Two pasture deferred grazing system with a season of use from July 15 to October 15 each year with 91 adult cattle (adjusted for the removal of the riparian and stream corridor of Boneyard Creek and Greenhead Trap). No new range developments. The Auger Canyon and Miller pastures are excluded from livestock grazing. North Springs and Pace Draw trap are combined into one pasture and the Boneyard and Sulzberger pastures are combined into one grazing pasture. No re-grazing of pastures during the grazing year. Rogers Marsh, except for a small access point, and Boneyard Bog (Cattle Enclosure) are excluded from livestock grazing.

Allowable Use: The livestock forage utilization standard is 25% on key¹ livestock grazing areas on key forage species.

If utilization standards are met or exceeded prior to the end of a pasture use period, livestock will be required to be moved to the next scheduled pasture or removed from the Forest. Grazing utilization measurements to determine utilization levels will be conducted prior to livestock entering a scheduled pasture and at mid-point or sooner date. If utilization standards are met or exceeded in key areas prior to cattle entering a scheduled pasture, livestock grazing will be deferred.

¹ *"key" as used in this NEPA analysis now =the definition of "critical" so is henceforth called critical area for mgt.

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The location of key livestock areas may change annually depending on precipitation, on-the-ground livestock management intensity, water availability and timing of grazing use. Key areas are defined as: "a portion of range, which because of its location, grazing or browsing value, and/or use, serves as an indicative sample of range conditions, trend, or degree of use seasonally. A key area guides the general management of the entire area of which it is part". (Society for Range Management [SRM] 1974) and USFS Region Tree Rangeland and Management Training Guide, dated June, 1997).

Grazing utilization measurements will be recorded on key forage plants in key grazing areas. A key forage plant is defined as "(1) forage species (plants) whose use serves as an indicator to the degree of use of associated species" and (2)" those species (plants) which must, because of their importance, be considered in the management program" (SRM 1974).

Recommended Best Management Practices for livestock grazing are:

- Diligent herd riding to locate livestock to areas where actual use is less than the utilization standard.
- Salt blocks, mineral concentrates or other supplements will be strategically placed to help distribute livestock away from water sources, improvements, riparian areas, high use recreation sites and trails, and roads. Actual placement will be at least ¼ mile from riparian areas or live water, unless otherwise approved by the Forest Officer in charge. Supplements are a tool to enhance overall livestock distribution and utilization patterns.
- Frequent riding of fence-lines to ensure gates remain closed and fences remain serviceable.
- Permittees are encouraged to have off-Forest rangeland to use in the event drought and/or excess forage utilization necessitates early livestock removal. When these conditions occur, the District Ranger, with input from the permittee, will make the determination if livestock removal is required for resource protection. Supplemental feeding of livestock, other than salt or mineral block, is not permitted on National Forest system lands.
- The option to return to a pasture that has adequate plant re-growth will be considered if all resource objectives can be met.

ADDITIONAL CONSERVATION PRACTICES

- *Protection of cultural resources.* Impacts to significant cultural resource sites are avoided – or – appropriate mitigations are made where impacts are unavoidable.
- *Best management practices for soils and watersheds.* Best Management Practices (BMP) will be implemented to meet soil and water quality issues. If

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an area with significant erosion is identified, grazing management may be adapted to enhance stabilization of the site. The permittee will insure that livestock do not congregate in riparian areas when soils are saturated.

- *Ground Disturbing Activity.* The Permittee will obtain written permission from the Forest Officer in charge of the allotment prior to implementing any ground disturbing activity.
- *Drought Guidelines.* Stocking during and after drought will be adjusted in compliance with FSH 2209.13, Chapter 10, 19.1.
- The permittee will take action to ensure proper livestock distribution occurs and that forage use levels are not exceeded. If forage use continues above the desired use level, adjustments in the AOI, or other management actions may be necessary.

Mitigation for Threatened, Endangered and Proposed Species, and Critical Habitat

Any mitigations, amount and extend of take, reasonable and prudent measures with associated terms and conditions applicable to the management of the Nutriosos Summer allotment can be found in the most current Biological Assessments or Biological Opinions found in the 2210 and 2230 files.

Range Improvements

Range Improvement Maintenance Standards. All assigned range improvements will be maintained by the permittee. When the annual grazing application is approved, in whole or in part, livestock will not be placed on an allotment or move into pastures if permit requirements concerning range improvement maintenance are not met. Proper maintenance of the range improvements will ensure that the condition of improvements is adequate to hold livestock in a pasture and will extend the useful life of the improvements. Forest officers periodically will inspect assigned improvements for compliance with maintenance standards prior to livestock entry or movement dates.

A permit modification will be prepared for approved range improvement projects each year. Permittees will sign a permit modification form for the project and will sign for materials furnished by the Forest. Range improvements not specifically listed in the improvement program schedule and all ground disturbing activities will not be initiated by the permittee until proper clearances have been approved. Normal maintenance of improvements does not require approval.

- A. Fences: Many existing fences are very old and in need of major reconstruction. The permittee will identify these fences for the District Ranger. All fences in need of reconstruction will be inventoried and prioritized by the district for reconstruction. The following will be implemented to ensure fence maintenance objectives are met:

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1. All allotment boundary fences are to be maintained to standard prior to livestock entering National Forest lands. Livestock will not be permitted to enter the Forest until fences have been properly maintained to ensure fences are adequate to hold the livestock.
 2. Each permittee is responsible for the maintenance of all or a portion of his allotment boundary fences.
 3. Pasture fences will be maintained before moving livestock to a new pasture.
 4. Old wire and steel fence posts will be removed from the Forest.
 5. Broken wire will be spliced with good quality double strand, 12 gauge barbed or smooth wire.
 6. Wire spacing. The top wire height will not exceed 42". The bottom wire will be smooth wire and will be at least 16" from the ground.
 7. Wire will not be over tightened and will be stretched to remove slack.
 8. Broken posts or rotten wood pots will be replaced with a steel post or a juniper or treated wood post greater than 5" diameter.
 9. Brace posts will be maintained in tight and serviceable condition.
 10. Steel posts which have settled may need to be jacked up and possibly moved. Leaning steel posts will be straightened.
 11. Gates will be maintained so they can be opened easily. Gate sticks will be 2-3" diameter. Use smooth wire for gate loops.
 12. At least 90% of fence stays will be sound. Replacement stays will be of good quality wood 1-1/2" by 3" diameter. The bottom of each stay will rest on the ground. Galvanized stay wire will be used for tying stays.
 13. Missing staples and fence clips will be replaced.
 14. All trees which have fallen across the fence line will be cut and removed from the fence right-of-way.
- B. Water: Stock water is important for proper livestock distribution. Water must be used to demonstrate beneficial use and is necessary in order to maintain water rights. If natural water is not available, the permittee will be asked to haul water to properly use forage on the allotment. The following will be done:
1. Springs:
 - a. Fences to protect springs will be maintained to standard.
 - b. Collection boxes and inlet pipes will be clean of sediment and debris.
 - c. Unserviceable pipe will be repaired or replaced. Material not usable will be removed from the Forest.
 - d. Troughs that leak will be repaired. Troughs should be level. Overflow pipes should be placed to avoid creating a boggy area at the trough.
 - e. Float valves will be cleaned and set to prevent overflow.

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2. Stock Tanks:

- a. Check stock tanks for seepage.
- b. Spillways will be flat and will have a minimum height of three feet and width of ten feet. They will be free of debris and obstructions. Eroded portions will be repaired.
- c. Tanks will be cleaned to their original capacity. Special care will be taken during cleaning to prevent future water loss. The work will be coordinated with the District Ranger.

Nutriosio Summer Allotment Range Improvements

INFRA NUMBER NAME	RESPONSIBILITY
ALLOTMENT BOUNDARY FENCES	
1164 Nutriosio Summer/Williams Valley – 1 mi.	Nutriosio Summer Permittee
1164 Williams Valley/Nutriosio Summer – 4.5 mi.	Williams Valley Permittee
1165 Sulzberger/Nutriosio Summer – 1.5 mi.	Nutriosio Summer Permittee
1166 Boneyard/Nutriosio Summer – 2.5 mi.	Nutriosio Summer Permittee
1167 Black River/Nutriosio Summer – 2.25 mi.	Nutriosio Summer Permittee
1169 Colter Creek/Nutriosio Summer – 4.5 mi.	Colter Creek Permittee
1170 Miller/Private – 1 mi.	Private Land
1172 Nutriosio Summer/Highway 181 – 2.5 mi.	Arizona Dept. of Transportation
1176 Auger/Private – 8 mi.	Private Land
1564 Noble Fence – 1 mi.	Nutriosio Summer Permittee
108001 Rogers Marsh – .25 mi.	Nutriosio Summer Permittee
R01113 Udall/Nutriosio Summer – 1 mi.	Udall Permittee
ALLOTMENT INTERIOR FENCES	
1526 North Spring/Boneyard – 2 mi.	Nutriosio Summer Permittee
1542	Nutriosio Summer Permittee

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Pace Draw Trap – 2 mi.	
1550 Auger Canyon Trap Fence – 1 mi.	Nutriosio Summer Permittee
108002 Milk Corral Trap – 1 mi.	Nutriosio Summer Permittee
108003 Boneyard Bog Exclosure - .75 mi.	USDA FS Alpine RD
108004 Boneyard Creek Exclosure – 1 mi.	Nutriosio Summer Permittee
108005 Miller/Auger – 1 mi.	Nutriosio Summer Permittee
108006 Miller/Highway Trap .5 mi.	Nutriosio Summer Permittee
LIVESTOCK HANDLING FACILITIES	
001311 Sulzberger Corral	Nutriosio Summer Permittee
1341 Greenhead Trap Corral – Multiple Pens	Nutriosio Summer Permittee
1644 Milk Corral	Nutriosio Summer Permittee
108301 Auger Trap Corral	Nutriosio Summer Permittee
WATER DEVELOPMENTS	
1154 Lee Tank	Nutriosio Summer Permittee
1155 Pace Draw Tank	Nutriosio Summer Permittee
1156 North Spring – Water System	Nutriosio Summer Permittee
1157 Milk Corral Tank	Nutriosio Summer Permittee
1158 Long Draw Tank	Nutriosio Summer Permittee
1160 Greenhead Lake Tank	Nutriosio Summer Permittee
1161 Trail Tank	Nutriosio Summer Permittee
1312 XV Tank	Nutriosio Summer Permittee
1313 Corral Tank	Nutriosio Summer Permittee
1314	Nutriosio Summer Permittee

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Sulzberger Tank	
1427 Timber Island Tank	Nutriosos Summer Permittee
1716 Ashes Tank	Nutriosos Summer Permittee
1717 Cigar Tank	Nutriosos Summer Permittee
1718 BIC Tank	Nutriosos Summer Permittee
1719 Divide Tank	Nutriosos Summer Permittee
1720 North Spring Tank	Nutriosos Summer Permittee
1721 Beard Tank	Nutriosos Summer Permittee
108101 Turkey Tank	Nutriosos Summer Permittee

Permittee Review

"I have reviewed the provisions of the term grazing permit, the standards and guidelines, and management required by the Forest Management Plan applicable to the Nutriosos Summer Allotment and the Allotment Management Plan with the grazing permittee."



Rangeland Management Specialist



Date

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Apache-Sitgreaves National Forest
 Alpine Ranger District
 Range Improvement Map
 Nutrioso Summer Allotment

- C Corral
- ☪ Dirt Tank
- ☉ Spring
- ***** Fence
- ▬ Natural Barrier

- Maintenance Responsibility**
- AZ-DOT
- Colter Creek Permittee
- Nutrioso Permittee
- Private
- Udall Permittee
- Williams Valley Permittee
- Forest Service
- ▭ Allotment
- Private Land



2,000 0 2,000
 Feet

Date: 3/26/2015

This map is part of Grazing Permit No. _____
 issued to Double "R" Cattle Company on _____
 by _____ and shows the Nutrioso Summer Allotment.

