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Permit Number				
				<b>07054</b>

**GRAZING PERMIT - PART 3**  
(Reference FSM 2230)

**Special Terms and Conditions, continued**

**I. Introduction**

The Arab Allotment consists of approximately 4,916 acres and located just south of the community of Vernon, Arizona within portions of Township 9 & 10N, and Range 29E, Gila and Salt River Meridian (G&SRM), Arizona. Elevations range from 7,180 to 8,370 feet. The topography is generally characterized by flat to moderate slopes, with steeper slopes occurring associated with Butler Mountain. The area is generally covered with trees, the dominant overstory species being ponderosa pine and pinyon-juniper.

This Allotment Management Plan (AMP) shall set forth the objectives, management requirements, improvements needed, and monitoring and evaluation standards for the Arab Allotment as outlined in the Forest Plan and the Decision Notice signed by the District Ranger on May 14, 1999.

**II. Goals and Objectives**

Authorized grazing would be at an appropriate level and timing such that it improves unsatisfactory resource conditions and perpetuates satisfactory resource conditions in order that long-term sustainability of grazing can be maintained, specifically:

- a) Community and individual economic sustainability are maintained
- b) Grazing is consistent with the land's capability to support such use, and balance use with estimated capacity
- c) Maintain or improve full capacity range at or to fair or better condition. Cool season species cover is abundant ( $\geq 50\%$ ) and diverse. Browse is healthy and diverse
- d) Fifth code watersheds are in satisfactory condition by 2020. Water quality meets or exceeds ADEQ requirements. Where the potential exists, impaired soil condition is in an upward trend within one decade
- e) Riparian areas are in proper functioning condition and meet Forest Plan standard and guidelines. Riparian vegetation is healthy and diverse
- f) Wildlife populations are consistent with the lands capability. A diverse mosaic of habitats for healthy and balanced wildlife populations are present
- g) Prehistoric and historic sites are protected and preserved through management activities
- h) Air quality meets or exceeds ADEQ standards

**III. Management**

The management strategy is to graze a cow/calf herd during the summer/fall period, June 1 to October 31. Only cow/calf pairs with associated bulls will be grazed.

Management emphasis will be to have riparian areas in satisfactory or proper functioning condition. Riparian species will improve plant density and vigor in wet meadows and spring areas. Best management Practices for grazing will be implemented in order to improve watershed conditions and protecting water quality.

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The scheduled rotation, grazing season, and livestock numbers will be in the Annual Operating Instructions. Adjustments in livestock numbers, rotation schedule, or season of use will be made if allowable use standards are exceeded. Cattle will be moved to the next scheduled pasture or off the allotment when forage utilization standards are met.

Grazing management will reflect a three pasture deferred rotation system. The grazing schedule may be adjusted annually to account for variability in environmental conditions. Land exchanges have added Forest Service administered land onto the Arab Allotment. This additional land is called the Jackson Pasture, and still allows for a 3 pasture deferred rotation with 1 pasture rested each year. Table 1 displays how the pastures may be alternated.

**TABLE 1**

	Year 1	Year 2	Year 3	Year 4
1 <sup>st</sup> pasture	Buckwheat	Jackson	Butler	Aniceto
2 <sup>nd</sup> pasture	Aniceto	Buckwheat	Jackson	Butler
3 <sup>rd</sup> pasture	Butler	Aniceto	Buckwheat	Jackson
Rested pasture	Jackson	Butler	Aniceto	Buckwheat

**Management Practices**

Management practices, such as pasture use, will be in the Annual Operating Instructions (AOI) and will be followed. If changes to the AOI become necessary, the permittee will discuss them first with the District Ranger. If emergency conditions require making a change immediately, the permittee will notify the District Ranger afterwards.

If a permittee desires a change from cattle to yearlings, an application for yearlings will be approved on a one-to-one basis (one yearling for one cow) until it is determined that range improvements and forage are adequate.

A request for non-use must be received in writing at least 45 days prior to the grazing season. Paid grazing fees will be forfeited if the written request is received after the 45 day period. A request for an extension of the grazing season must be received in writing at least 14 days before the end of the season.

Livestock must be moved within 3 days of the planned rotation dates or when allowable forage use has been met. At least 90% of the permitted livestock must be moved by the date. The permittee must notify the District Ranger if there is a need to deviate from planned rotation dates. Livestock allowed to remain in pastures beyond the specified rotation date, allowed to drift between pastures, or allowed in a rested pasture may be considered a violation of the Term Grazing Permit.

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Livestock should be distributed evenly throughout the pasture. A full time rider may be necessary to break up livestock concentrations and obtain uniform distribution. Herding livestock into lightly used areas will reduce the grazing impacts on riparian areas and meadows. Efforts will be made to avoid conflicts with other Forest uses while trailing livestock.

Salt and mineral blocks will be placed in lightly used areas until the desired level of forage use is achieved. Blocks should be placed in a pasture prior to livestock entry and should be removed when forage use objectives are met. Blocks will not be placed within a quarter mile of water and ideally no closer than one-half mile. Blocks will not be placed in over used areas, meadow bottoms, along roads, along trails, or in heavily used recreation areas. Every time blocks are put out, they will be placed on a different site that is not susceptible to erosion.

Permittees are encouraged to have off-Forest range 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.

The option to return to a pasture that has adequate plant re-growth will be considered if all resource objectives can be met. All resource objectives will be considered before affecting a change in the Term Grazing Permit.

The number of livestock or season of use may be adjusted if the forage use standards or other management objectives are not being met. Livestock will be moved to the next pasture in the grazing schedule or off the Forest when utilization standards are met or exceeded.

**Range Readiness:** Livestock will not be permitted to graze until vegetation and soil conditions are satisfactory. Readiness checks may be made in advance of the scheduled entry date. They will be conducted on designated key forage species in key areas and are conducted with the permittee whenever possible.

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 Term Grazing Permit, AMP or other management actions may be necessary. Failure to implement adequate management practices may be cause for the following actions to be taken:

- a. For first offense cases, the Term Grazing Permit may be suspended or cancelled by ten percent (10%).
- b. For second offense cases within a three-year period, the Term Grazing Permit may be cancelled or suspended by an additional ten percent (10%).
- c. For third offense cases within a five-year period, the Term Grazing Permit may be cancelled by twenty percent (20%).
- d. For four or more offenses during the ten-year period, the Term Grazing Permit, may be cancelled in whole or in part.

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#### **IV. Improvements**

New range developments as listed under Alternative 3, Environmental Analysis (EA) page 8, shall be constructed (Table 2). Construction priority will depend on funding and material availability. The range improvements planned for the allotment include:

**TABLE 2**

Type/Name	Units	Location	Maintenance responsibility	Improvement #
Fence, Forest Bdy. Construction	0.5 ac	T10N, R25E, Sec. 33	Permittee	7812
Fence, Elk Enclosure	0.5 mi	Aniceto Springs	Forest Service	7813
Fence, Elk Enclosure	0.5 mi	McKay Springs	Forest Service	7814
P-J Canopy Reduction	197 ac	Buckwheat Pasture	Forest Service	N/A

New fences will be constructed to Forest Service specifications. The elk enclosures will be constructed and maintained by the Forest Service.

All assigned 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 moved into pastures if permit requirements concerning range improvement maintenance are not met. Proper maintenance of the range improvements will insure that the condition of the improvements is adequate to hold livestock in a pasture and will extend the useful life of the improvements. Forest Officers will periodically inspect assigned improvements for compliance with maintenance standards prior to livestock entry or movement dates. Failure to properly maintain range improvements may be cause for actions to be taken against the permit listed on the previous page of this permit.

A permit modification may be prepared for approved projects. If a permit modification is necessary, the permittee 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.

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**AMP Improvements, continued**

**A. Fences.** Many existing fences are very old and in need of major reconstruction. The permittee will identify these fences for the District Ranger. Fences in need of reconstruction will be inventoried and prioritized by the District for reconstruction. The following will be implemented:

- a) All allotment boundary fences are to be maintained prior to livestock entering National Forest lands. Livestock will not be permitted to enter the Forest until fences have been properly maintained to keep livestock where they are placed.
- b) Each permittee is responsible for the maintenance of all or a portion of an allotment boundary fence. A permittee will not be allowed to place livestock on his allotment if the neighboring permittee does not maintain his assigned allotment boundary fence.
- c) Pasture fences will be maintained before moving livestock to a new pasture.
- d) Old wire and steel fence posts will be removed from the Forest.
- e) Broken wire will be spliced with good quality double strand, 12½ gauge barbed wire or smooth wire.
- f) Wire spacing will be similar to original spacing. The top wire height will not exceed 42". The bottom wire will be smooth wire and will be at least 20" from the ground.
- g) Wire will not be over tightened and will be stretched to remove slack.
- h) Broken posts or rotten wood posts will be replaced with a steel post, juniper or treated wood post greater than 5" diameter.
- i) Brace posts will be maintained in tight and serviceable condition.
- j) Steel posts which have settled may need to be jacked up and possibly moved. Leaning steel posts will be straightened.
- k) Gates will be maintained so they can be opened easily. Gate sticks will be 2-3" diameter. Smooth wire will be used for gate loops.
- l) At least 90% of fence stays will be sound. Replacement stays will be of good quality wood approximately 1½ by 1½ in. dimension. The bottom of each stay will rest on the ground. Galvanized stay wire will be used for tying stays.
- m) Missing staples and fence clips will be replaced.
- n) All trees which have fallen across the fence line will be cut and removed from the fence right-of-way.

**B. Water.** The permittee has certain improvements assigned by maintenance in this permit. These improvements are on National Forest System lands within the allotment(s). The improvements include both stock tanks and springs. Issuance of this grazing permit and the permittee's acceptance of the permit does not convey ownership of a water right to the permittee(s) but allows the use of a portion of it within terms of the appropriation. The Forest has filed for water rights on these waters with the State of Arizona. Grazing domestic livestock may not be possible without these water rights. The Forest will retain ownership of the water rights for current and future grazing permittees as well as for wildlife and recreation consumption needs. Ownership of the water rights will assure that the use of the water will be appurtenant to the land and will be available for both current and future grazing permittees. Stock water is important for proper livestock distribution. Water must be used to demonstrate beneficial use in order to maintain water rights. If natural water is not available, the permittee may haul water to obtain proper livestock distribution. The following page lists what will be done:

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**Improvements, continued****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) Broken pipe will be repaired or replaced. Un-usable material 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.

**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.

**V. Monitoring and Evaluation**

The Forest Service will ensure that monitoring will be conducted, including implementation monitoring of grazing utilization standard and effectiveness monitoring of Best Management Practices (BMPs). The permittee is encouraged to conduct utilization monitoring and keep records of actual use on this allotment.

Allowable forage utilization is based on the amount and kind of forage available to livestock on the allotment, plant needs, and range condition and trend. Forage utilization will be based on the monitoring of key areas and key species as outlined in Table 3 of this permit. A maximum allowable forage use up to 35% is allowed on the allotment.

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 authorized use level, adjustments in the term grazing permit, allotment management plan, and/or other management actions will be necessary.

These utilization standards will be applied regardless of the scheduled grazing period and livestock numbers for each pasture. These standards are a point-in-time measurement upon which pasture moves will be based.

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The grazing utilization standards found in Table 3 are for herbaceous key species in key areas by pasture with a maximum allowable utilization standard up to 35%. As monitoring occurs, key species and key areas made be adjusted to better reflect representative use within a pasture.

Table 3. Herbaceous species in key areas by pasture.

Pasture	Key Area #	Key species
Aniceto	1	Popr, Bltr
	2	Bltr, Mumo
	3	Bltr, Mumo
	4	Bltr, Mumo
Buckwheat	1	Agsm, Bltr, Muwr
Butler	1	Bltr, Fear
	2	Bltr, Mumo
Jackson	1	Bogr

*Livestock Monitoring Schedule:* Utilization monitoring will typically take place when livestock leave a pasture. It may be necessary to conduct monitoring more frequently if needed while livestock are still in the pasture or before livestock enter a pasture. If allowable use is exceeded, adjustments to the rotation, including numbers and timing, may be made immediately or the following year. Permittees should participate in monitoring, if available.

*Best Management Practices Monitoring:* Monitoring of BMPs will occur via various methods, one of which is grazing utilization monitoring noted above. Reading the Parker Three Step transects is another method that will be conducted and includes assessment of various factors (ground cover, plant cover, etc.) that reflects effectiveness of BMPs (EA, Appendix C).

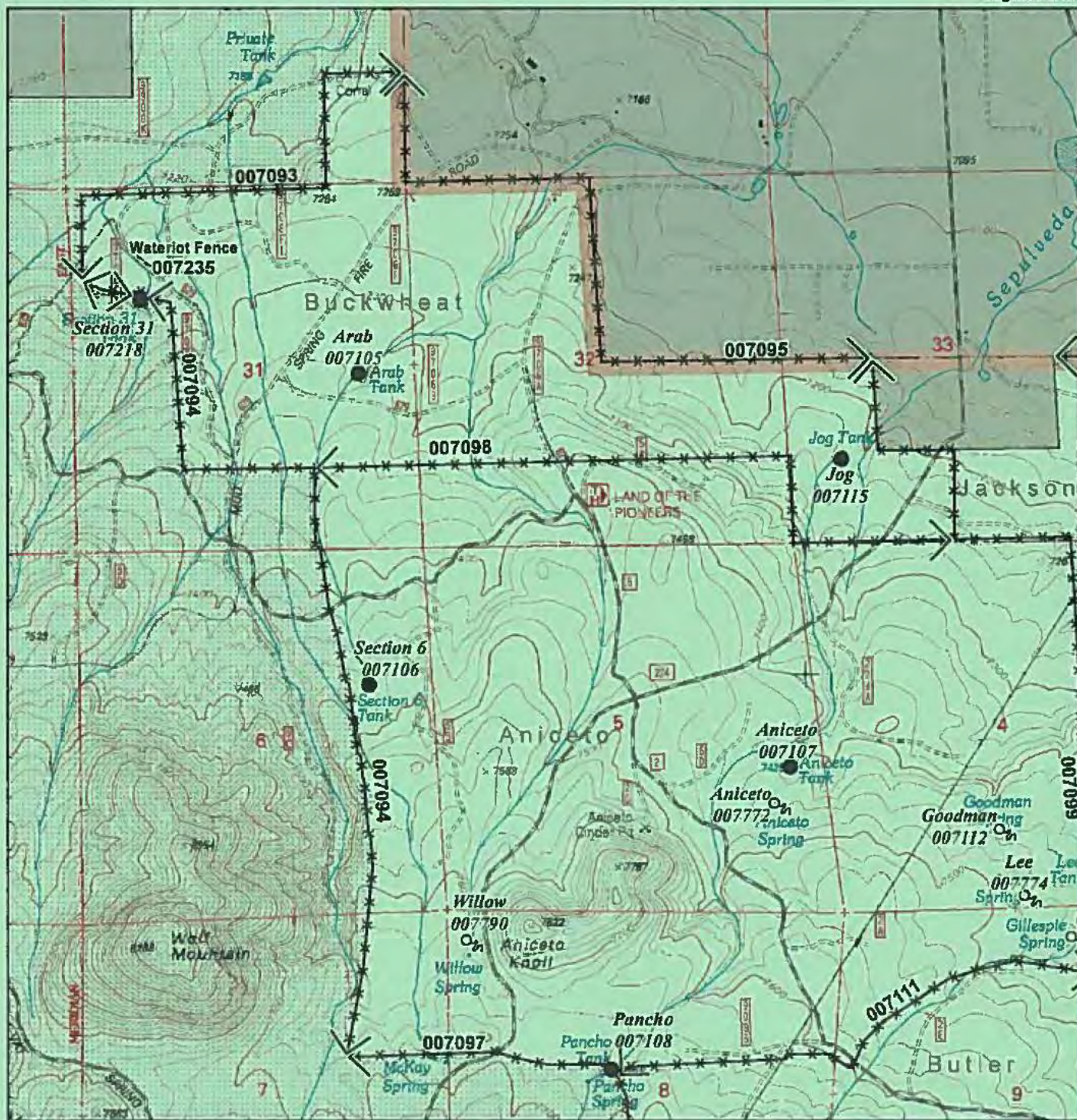
**Mitigation Measures (Decision Notice, page 3):**

- a) Archaeological approval will be obtained prior to ground-disturbing activities.
- b) Disturbed sites associated with the range development program will be immediately seeded with "desirable" cool season species (e.g. western wheatgrass, wild rye, and four wing saltbush).
- c) Slash generated from woodland control projects will be treated in accordance with the BMPs.
- d) Build fences in compliance with Forest Service standards, i.e., the bottom wire will be smooth and a minimum of 18" from the ground; the top wire will not exceed 42" from the ground and wooden stays would be used.
- e) Soil and water BMPs are in Appendix C of the EA and will be followed.
- f) Retain all existing snags and recruitment of potential snags in treatment areas.
- g) Forage utilization will be monitored.

ARAB ALLOTMENT  
Range Improvement List

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Improvement Name	Improvement Number	Maintenance Responsibility	Miles
Butler/Aniceto Fence (Pasture Division)	007111	Arab Allotment Permittee	1.47
Arab/Mineral Fence	007093	Arab Allotment Permittee	1.44
Arab/Lake Mountain Fence	007094	Arab Allotment Permittee	2.73
Forest Boundary Fence	007095	Arab Allotment Permittee	2.06
Sitgreaves/Apache Fence (Butler)	007096	Harris Lake Permittee	1.18
Arab/Porter Spring Fence	007097	Arab/Lake Mtn Permittee	3.18
Aniceto/Buckwheat Pasture Division	007098	Arab Allotment Permittee	1.99
Aniceto/Jackson Pasture Division	007099	Arab Allotment Permittee	2.69
Arab Tank	007105	Arab Allotment Permittee	
Section 6 Tank	007106	Arab Allotment Permittee	
Aniceto Tank	007107	Arab Allotment Permittee	
Pancho Tank	007108	Arab Allotment Permittee	
Butler Tank	007109	Arab Allotment Permittee	
Lee Tank	007110	Arab Allotment Permittee	
Section 31 Tank Waterlot	007235	Arab Allotment Permittee	0.05
Jackson Pasture/Springerville rd	007791	Arab Allotment Permittee	3.22
Goodman Spring Development	007112	Arab Allotment Permittee	
Aniceto Springs	007772	Arab Allotment Permittee	
Lee Springs	007774	Arab Allotment Permittee	
Gillespie Springs	007775	Arab Allotment Permittee	
Willow Springs	007790	Arab Allotment Permittee	
Jog Tank	007115	Arab Allotment Permittee	
Section 31 Tank	007218	Lake Mountain Permittee	



# Arab Allotment Range Improvements

Lakeside Ranger District  
Apache-Sigraeves NFs

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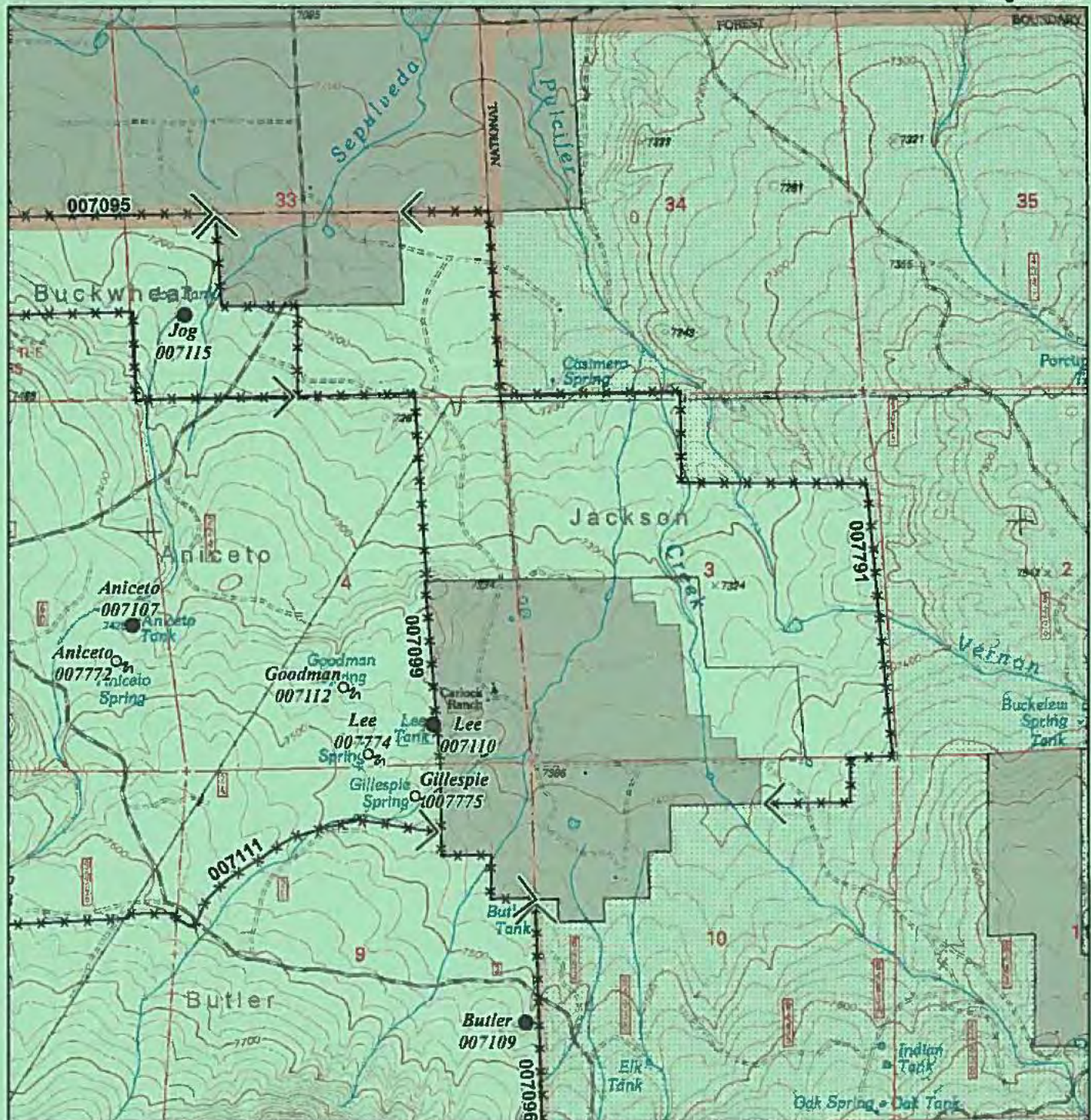
Map Legend: improvements (Symbols in legend not to scale with symbols on map)

- Stock Tank
- Spring
- ↔ Fence
- Waterlot
- ▭ Ranger District Boundary
- ▭ USFS
- ▭ Other Allotments
- ▭ Other Ownership

NAD 83  
UTM12N

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### Arab Allotment Range Improvements

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Apache-Sigreaves NFs

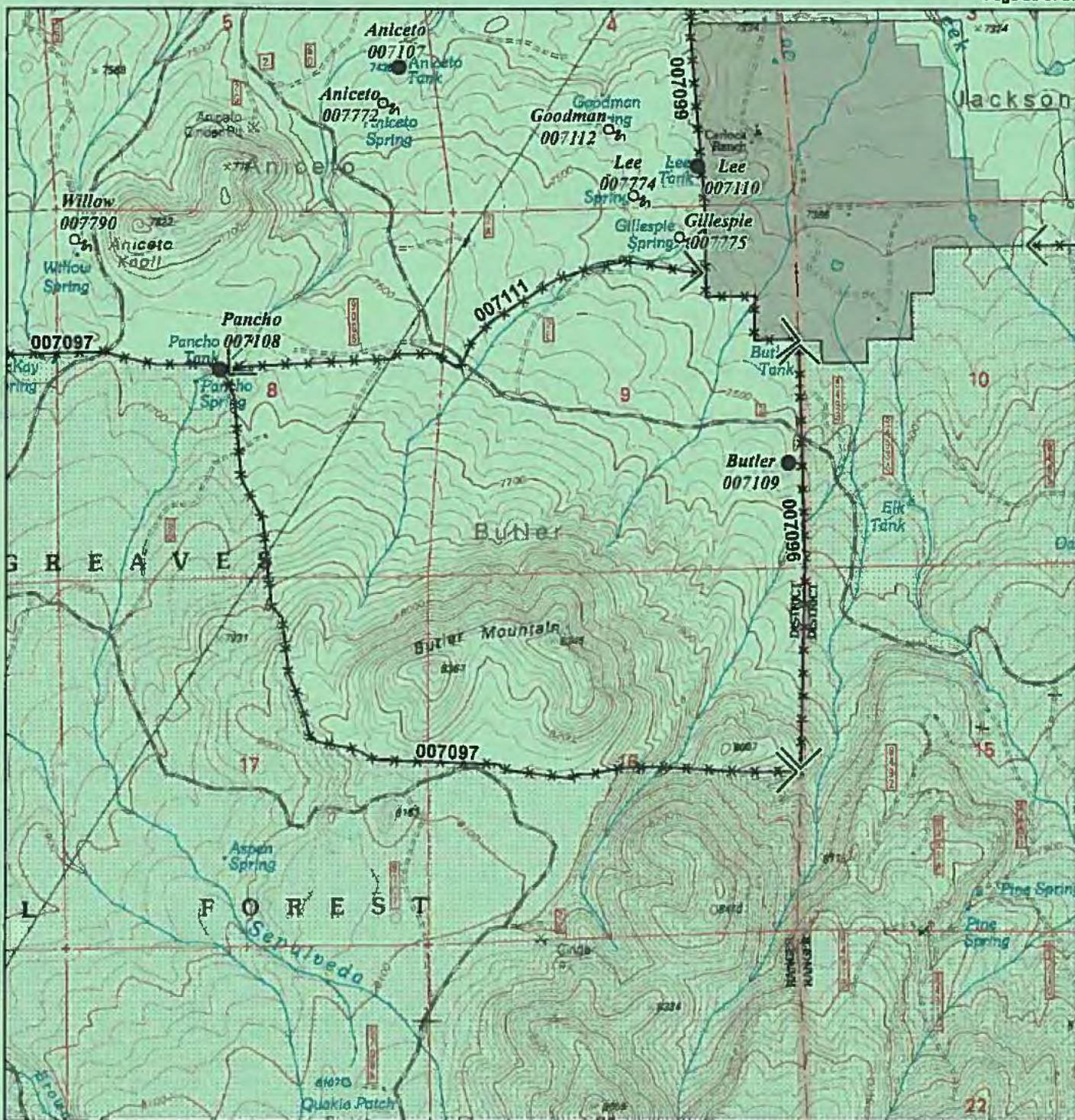
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**Arab Allotment Range Improvements**

Lakeside Ranger District  
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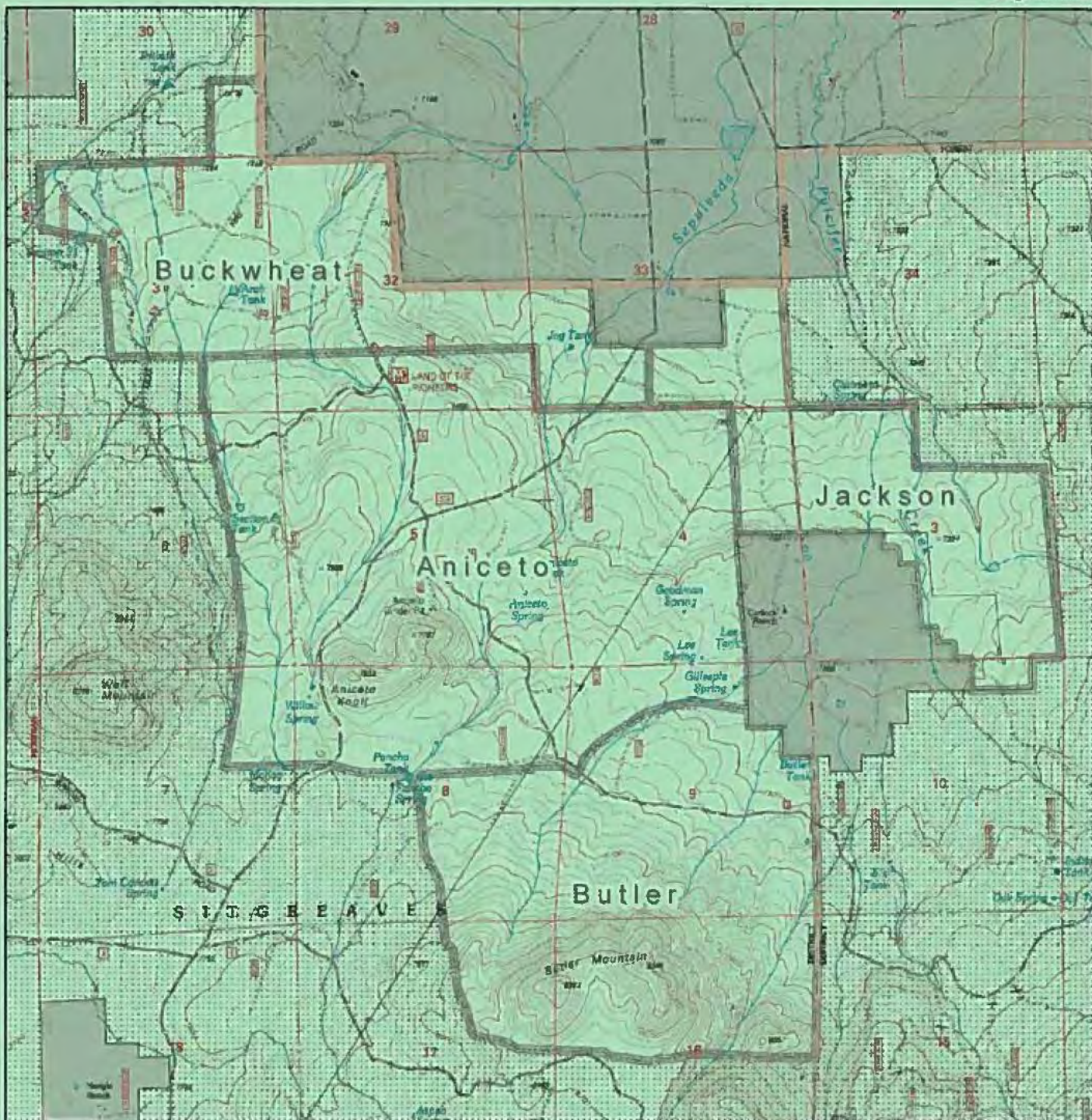
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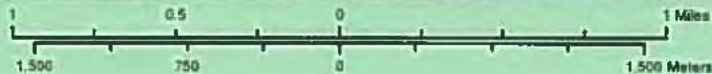
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### Arab Allotment Pastures

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#### Map Legend:

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-  Other Allotments
-  Other Ownership
-  Ranger District Boundary

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