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07049				

Special Terms and Conditions

ALLOTMENT MANAGEMENT PLAN FOR THE LAKE MOUNTAIN ALLOTMENT:

I. Introduction

The Environmental Assessment (EA) and the June 25, 1999 Decision Notice (DN) for an Allotment Management Plan is incorporated by reference into the Special Terms and Conditions. Subject to the above DN this portion of Part 3 constitutes the Allotment Management Plan for the allotment identified in Part 1.

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 (EA page 4), specifically:

- (a) Community and individual economic sustainability are maintained (EA page 3),
- (b) Grazing is consistent with the land's capability to support such use (EA page 3), and balance use with estimated capacity (EA page 8),
- (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 (EA page 3),
- (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 (EA page 4),
- (e) Air quality meets or exceeds ADEQ standards (EA page 4),
- (f) Riparian areas are in proper functioning condition and meet Forest Plan standards and guidelines. Riparian vegetation is healthy and diverse (EA page 4),
- (g) Wildlife populations are consistent with the lands capability. A diverse mosaic of habitats for healthy and balanced wildlife populations are present (EA page 4), and
- (h) Prehistoric and historic sites are protected and preserved through management activities (EA page 4).

III. MANAGEMENT

The two grazing permittees' livestock will be combined and grazed as one herd during the summer/fall period, June 1 to October 31 (DN page 1, EA page 8). Only cow/calf pairs with associated bulls will be grazed (EA page 8). Bull numbers are included in herd numbers.

The scheduled rotation, grazing season, and livestock numbers will be in the annual operating instructions. Adjustments in livestock numbers, rotation schedule, or grazing 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 (EA Appendix A page A-1).

Livestock will not be permitted to graze until vegetation and soil conditions are satisfactory. Range readiness checks will be made in advance of the scheduled entry date. They will be conducted on designated key forage species in key areas, being done with the permittee whenever possible (EA Appendix A page A-1).

Grazing management will reflect an eight pasture deferred rotation system (DN page 3, EA page 9). The grazing schedule may be adjusted annually to account for variability in environmental conditions (DN page 3, EA page 8).

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Table 1 displays how the pastures may be alternated (page 3 of the DN).

Table 1. Grazing schedule (DN page 3, EA page 9).

Grazing sequence, pasture in rotation	1 st Year	2 nd Year	3 rd Year	4 th Year
1 st pasture	Wolf	Mineral	Doyle	Wolf
2 nd pasture	Mineral	Doyle	Mineral	Firebox
3 rd pasture	Doyle	Wolf	Wolf	Quakie
4 th pasture	Lake	Firebox	Lake	Porter Lake
5 th pasture	Reservation	Quakie	Reservation	Reservation
6 th pasture	Porter Lake	Porter Lake	Porter Lake	Lake
7 th pasture	Quakie	Reservation	Quakie	Doyle
8 th pasture	Firebox	Lake	Firebox	Mineral

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.

A request for an extension of the grazing season must be received in writing at least 14 days before the end of the season. A request for non-use must be received in writing at least 45 days prior to the grazing 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. Animals on the allotment after the "off" date will be billed for at the unauthorized rate.

Management emphasis will be to have riparian areas in satisfactory condition. Livestock will not be moved between pastures or allotments along the length of riparian areas except on approved routes specified in the AOI. Approval will be granted only where it is determined that there is no alternative route and it can be shown that riparian areas will not be damaged.

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 will be removed when forage use objectives are met. Blocks will not be placed within a quarter mile of water.

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Management, Continued

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.

Failure to implement adequate management practices may result in suspension or cancellation of the term grazing permit.

IV. IMPROVEMENTS

All assigned improvements will be maintained by the permittee(s). 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 result in suspension or cancellation of the term grazing permit.

A permit modification will be prepared for approved 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 or routine maintenance of improvements does not require approval.

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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:

1. 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.
2. 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 the allotment if the neighboring permittee does not maintain their assigned allotment boundary fence.
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, 12½ gauge barbed wire or smooth wire.
6. 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.
7. Wire will not be over tightened and will be stretched to remove slack.
8. Broken posts or rotten wood posts will be replaced with a steel post, 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. Smooth wire will be used for gate loops.
12. At least 90% of fence stays will be sound. Replacement stays will be of good quality wood approximately 1½" to 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.** 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 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 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.

New range developments as listed under Alternative 3, EA page 7, have been completed and are made part of the term grazing permit Structural Range Improvements List (pages 14-16).

Table 2. New range developments

Development	Units	Location	Maintenance responsibility	Improvement #
Type/name				
Fence, water lane	0.2 mi	Brown Creek	Flake/Naegle	007800
Trick Tank*	1	East of Brown Creek	Flake/Naegle	007801
Fence, willow exclosure	0.5 mi	Porter Springs tk(Elk excl) Porter Sprgs. Tk(Cttle excl)	Forest Service AZG&F	007802 007803
Stock Tank	1	Near junct. Of FR 96 & 9	Flake/Naegle	007804
Stock Tank	1	NW corner of Doyle Past.	Flake/Naegle	007805
Cattleguard	1	Forest Road 5, South of Ecks Mnt	Forest Service	007806
Road closure	0.1 mi	East of Los Burros	Forest Service	N/A
Corral construction	1	On FR 44 in Mineral Pasture	Flake/Naegle	007807
Canopy reduction	674 ac	Mineral Pasture	Forest Service	N/A
Canopy maintenance	97 ac	Mineral Pasture	Forest Service	N/A
Meadow maintenance	129 ac	Doyle Pasture	Forest Service	N/A

*Trick Tank must be maintained by permittee if livestock uses the water source. Water must be present in order to graze the portion of the pasture that the tank is located in. Either by hauling or natural fill.

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07049**V. MONITORING.**

There are 3 phases of monitoring: implementation, effectiveness, and validation (EA Appendix E).

Effectiveness monitoring:

Range readiness checks, forage utilization and livestock monitoring schedule will be conducted by Forest Service personnel and permittee when possible. Allowable forage utilization is based on the amount and kind of forage available to livestock on the allotment. Forage utilization will be based on the monitoring of key areas as outlined in the Monitoring Plan (EA Appendix E page A-7).

The permittee will take action to insure 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.

Allowable forage utilization levels will be applied regardless of the scheduled grazing period and livestock numbers for each pasture. These utilization levels are a point-in-time measurement upon which pasture moves will be based (DN page 2) and livestock will not be allowed to regaze a pasture once the allowable forage utilization level is met. When livestock have grazed through the scheduled pastures before the scheduled exit date, livestock will be removed from the allotment. Table 3 displays allowable utilization levels for each pasture, based on key herbaceous species in key areas (DN page 2, EA Appendix E).

Table 3. Grazing utilization standards for herbaceous species in key areas by pasture.

Pasture	Key Area #	Key species
Mineral	1	Agsm
	2	Agsm, Sihy, Popr
	3	Agsm, Bogr, Muwr
	4	Agsm, Bogr, Muwr
Doyle	1	Agsm, Muwr
	2	Agsm, Bltr, Kocr
Wolf Mountain	1	Bltr, Fear
	2	Bltr, Mumo
Lake Mountain	1	Bltr, Mumo
	2	Fear, Mumo
Reservation	1	Fear, Mumo
	2	Bltr, Deca, Fear, Muwr
Firebox	1	Fear, Mumo
Quakie	1	Fear, Mumo
Porter	2	Fear, Muwr

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Grazing utilization monitoring will be conducted for each pasture scheduled for livestock use. Utilization, at that point in time, on key species in key areas, will be measured. As monitoring occurs, key areas and/or key species may be added or removed. When, for a particular period, the scheduled pastures have been grazed through by livestock before the scheduled exit date, livestock will be removed from the allotment. The grazing permittee will need off-Forest arrangements when removal is necessary.

Monitoring elk forage utilization in livestock excluded areas will be conducted in conjunction with the Arizona Game and Fish Department. This, along with pre-livestock utilization monitoring, will help determine elk only use.

Validation monitoring:

The purpose is to determine if project changes have occurred following project implementation. Changes in plant composition, vigor and density will be measured in key areas in the effort to determine if movement toward desired conditions is occurring.

Monitoring of Best Management Practices (BMPs) will occur via various methods, one of which is grazing utilization monitoring, noted above. Proper Functioning Condition (PFC) and Parker Three Step Transects are two other examples of methods conducted and include assessment of factors (bareground, plant cover, etc) that reflect effectiveness of BMPs described in the EA, Appendix B.

MITIGATION MEASURES (DN page 4): These pertain to actions recommended to reduce or resolve any impacts incidental to the proposed project activities within the analysis area. The effectiveness and purpose of each is in appendix H (EA). The measures shown below would be followed:

- (a) Archeological approval will be obtained prior to ground disturbing activities.
- (b) Disturbed sites associated with the range development program will be immediately seeded with desirable native cool season species (e.g. western wheatgrass, wildrye, and fourwing saltbush).
- (c) Slash from pinyon/juniper treatments will be treated in accordance with Best Management Practices (BMPs). BMPs are found in EA Appendix B.
- (d) Build fences in compliance with Forest standards, i.e., the bottom wire will be smooth and a minimum of 20" above the ground, the top wire will not exceed 42" above the ground, and wooden stays will be used.
- (e) Soil and water BMPs will be followed. BMPs are found in EA Appendix B.
- (f) Retention of all existing snags and recruitment of potential snags in juniper woodland treatment areas.

Two bands of sheep cross the allotment twice a year on the Morgan Mountain Sheep Driveway. Forage is allocated off the top from the "available herbaceous forage" for the sheep while on the allotment. It equates to 106 AUMs using a 5:1 sheep to cattle ratio. This use is authorized under a permit issued by the Springerville Ranger District and will be analyzed by them. Any future decision that would eliminate or reduce sheep use on the driveway would make forage available for livestock. If that occurs, the grazing permits to the Lake Mountain Allotment permittees would be increased accordingly.

The Environmental Assessment (EA) and the Decision Notice (DN), approved by Ed Collins, District Ranger on 06/25/1999 is hereby made a part of this term grazing permit #07049 and is incorporated by reference.

LAKE MOUNTAIN ALLOTMENT
Range Improvement List

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Improvement Name	Improvement Number	Maintenance Responsibility	Miles
Arab - Mineral Fence	007093	Arab,Permittee	1.4
Arab - Lake Mtn Fence	007094	Arab Permittee	2.7
Arab-Fire Box - Quakie Fence	007097	Arab Permittee	3.2
Fire Box - Wolf Fence	007196	Lake Mountain Permittee(Flake)	1.2
Wolf - Mineral Fence	007197	Lake Mountain Permittee(Flake)	0.5
Lake Mtn - Doyle Mtn Fence	007198	Lake Mountain Permittee(Weagant)	3.5
Lake Mtn - Brown Ck Fence	007199	Lake Mountain Permittee(Flake)	3.9
Lake Mtn - Brown Ck Fence	007212	Lake Mountain Permittee(Flake)	1.7
Reservation Boundary Fence	007213	Lake Mountain Permittee(Flake)	4.5
Los Burros Fence	007214	Lake Mountain Permittee(Weagant)	1.1
Wolf Mtn - Lake Mtn Fence	007215	Lake Mountain Permittee(Flake)	1.6
Lake Mtn Holding Pasture Fence	007216	Lake Mountain Permittee(Flake)	1
Wolf Mountain - Holding Fence	007217	Lake Mountain Permittee(Flake)	2.5
Section 31 Tank	007218	Lake Mountain Permittee(Flake)	
Division Stock Tank	007219	Lake Mountain Permittee(Flake)	
Trap Stock Tank	007220	Lake Mountain Permittee(Flake)	
Dan Stone Spring	007221	Lake Mountain Permittee(Flake)	
Telephone Spring	007222	Lake Mountain Permittee(Weagant)	
McCormick Stock Tank	007223	Lake Mountain Permittee(Flake)	
Pierce Spring	007224	Lake Mountain Permittee(Flake)	
Reservation Stock Tank	007225	Lake Mountain Permittee(Flake)	
Reservation Spring	007226	Lake Mountain Permittee(Weagant)	
Trap Tank Waterlot	007227	Lake Mountain Permittee(Flake)	0.2
Naegle Corral	007228	Lake Mountain Permittee(Flake)	
Telephone Stock Tank	007229	Lake Mountain Permittee(Flake)	
Los Burros Spring	007230	Lake Mountain Permittee(Flake)	
Telephone Tank Waterlot	007231	Lake Mountain Permittee(Flake)	0.2
Lake Mtn - Reservation Fence	007232	Lake Mountain Permittee(Flake)	3.9
Brown Spring	007233	Lake Mountain Permittee(Flake)	
Tom Canovis Spring	007234	Lake Mountain Permittee(Flake)	
Section 31 Tank Waterlot	007235	Lake Mountain Permittee(Flake)	0.2
Reservation Tank Waterlot	007236	Lake Mountain Permittee(Flake)	0.1
Bear Wallow Stock Tank	007237	Lake Mountain Permittee(Weagant)	
Brown Creek - Mineral Fence	007251	Brown Creek Permittee	1.3
Doyle Mtn - Brown CK Fence	007254	Lake Mountain Permittee(Flake)	2.7
Doyle Mtn - Mineral Fence	007287	Lake Mountain Permittee(Flake)	1.9
Forest Boundary Fence	007288	Lake Mountain Permittee(Flake)	3.2
Mineral - Pinyon Fence	007289	Lake Mountain Permittee(Flake)	0.8
Division Tank Waterlot	007290	Lake Mountain Permittee(Flake)	0.1
Mineral - Pinyon Fence	007291	Lake Mountain Permittee(Flake)	0.9
Mineral - Holding1 - Holding 2 Fence	007293	Lake Mountain Permittee(Flake)	1.5
Quakie - Porter Lake Fence	007294	Lake Mountain Permittee(Flake)	1.6
Mineral - Holding 2 Fence	007295	Lake Mountain Permittee(Flake)	0.7
Mineral - Boundary Fence	007296	Lake Mountain Permittee(Flake)	0.75

LAKE MOUNTAIN ALLOTMENT
Range Improvement List

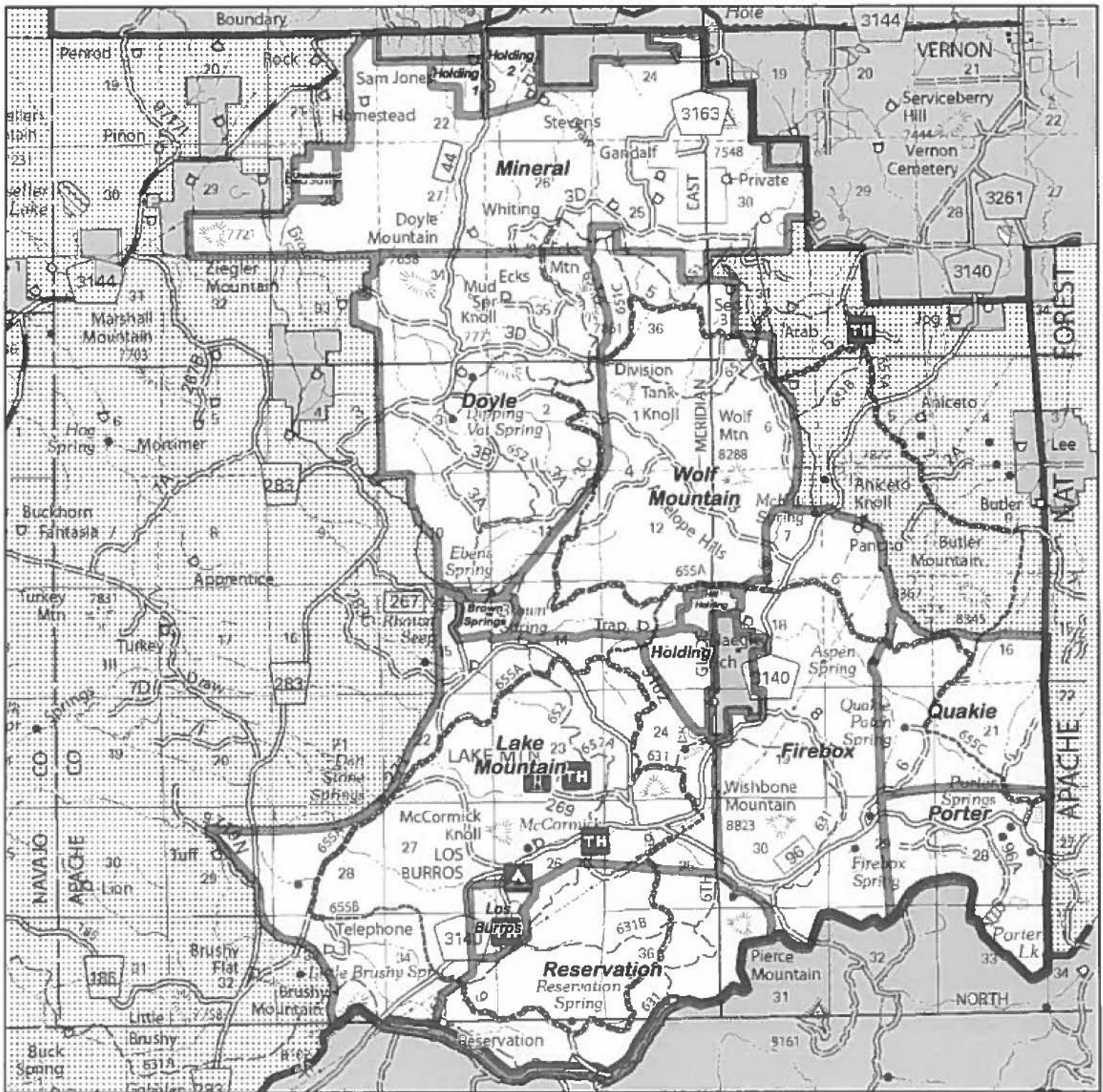
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Mineral Corral	007297	Lake Mountain Permittee(Flake)	
Sam Jones Stock Tank	007298	Lake Mountain Permittee(Flake)	
Sec 23 Stock Tank	007299	Lake Mountain Permittee(Flake)	
Stevens Stock Tank	007300	Lake Mountain Permittee(Flake)	
Whiting Stock Tank	007301	Lake Mountain Permittee(Flake)	
Section 25 Stock Tank	007302	Lake Mountain Permittee(Flake)	
Ecks Stock Tank	007304	Lake Mountain Permittee(Flake)	
Mud Springs Stock Tank	007305	Lake Mountain Permittee(Flake)	
Hidden Lake Stock Tank	007306	Lake Mountain Permittee(Flake)	
Dipping Vat Holding Pasture Fence	007307	Lake Mountain Permittee(Flake)	0.3
Reservation Boundary Fence	007416	Fort Apache Indian Res.	3.8
Porter Lake - Quakie - SpringervilleRD Fence	007417	Springerville Permittee	3
Fire Box-Quakie - Porter Lake Fence	007418	Lake Mountain Permittee(Flake)	2.8
Aspen Springs Waterlot	007419	Lake Mountain Permittee(Flake)	0.1
Aspen Spring	007420	Lake Mountain Permittee(Flake)	
Pancho Springs	007421	Lake Mountain Permittee(Flake)	
Quake Patch Stock Tank	007422	Lake Mountain Permittee(Flake)	
FireBox Spring	007423	Lake Mountain Permittee(Flake)	
Sec 20 Stock Tank	007424	Lake Mountain Permittee(Flake)	
224 Road Corral	007425	Lake Mountain Permittee(Flake)	
McKay Spring	007426	Lake Mountain Permittee(Flake)	
Porter Springs II	007427	Lake Mountain Permittee(Flake)	
Gandalf Stock Tank	007738	Lake Mountain Permittee(Flake)	
Merlyn Stock Tank	007739	Lake Mountain Permittee(Flake)	
Mud Springs	007742	Lake Mountain Permittee(Flake)	
Dipping Vat Springs	007743	Lake Mountain Permittee(Flake)	
Ebens Springs	007744	Lake Mountain Permittee(Flake)	
Excalibur Stock Tank	007745	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #1	007746	Lake Mountain Permittee(Flake)	
Lake Mtn - Brown Springs Fence	007747	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #3	007748	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #4	007749	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #7	007752	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #8	007753	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #9	007754	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #10	007755	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #11	007756	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #12	007757	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #13	007758	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #14	007759	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #15	007760	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #16	007761	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #17	007762	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #18	007763	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #19	007764	Lake Mountain Permittee(Flake)	

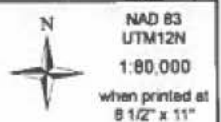
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Lake Mtn Road Tank #21	007766	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #22	007767	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #23	007768	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #25	007769	Lake Mountain Permittee(Flake)	
Lake Mtn Road Tank #26	007770	Lake Mountain Permittee(Flake)	
271 Road Tank	007771	Lake Mountain Permittee(Flake)	
Pit Springs	007776	Lake Mountain Permittee(Flake)	
Porter Springs Stock Tank	007778	Lake Mountain Permittee(Flake)	
Quakie Patch Springs	007779	Lake Mountain Permittee(Flake)	
Porter Spr Road Tank	007780	Lake Mountain Permittee(Flake)	
Pierce Spring Waterlot	007790	Lake Mountain Permittee(Flake)	
Bear Wallow Waterlot	007792	Lake Mountain Permittee(Weagant)	
Brown Springs Corral	007808	Lake Mountain Permittee(Flake)	
Lake Mountain - Reservation - Firebox Fence	0A7196	Lake Mountain Permittee(Flake)	2.2
Mineral - Wolf Mtn Fence	0A7197	Lake Mountain Permittee(Flake)	1.4
Brown Creek Enclosure	0A7198	Lake Mountain Permittee (Weagant)	0.1
Hill Holding Fence	0A7217	Lake Mountain Permittee(Flake)	1.5
Dan Stone Waterlot	0A7221	Lake Mountain Permittee(Flake)	
Naegle Corral Fence	0A7228	Lake Mountain Permittee(Flake)	0.1
Mineral - Brown Creek Fence	0A7251	Brown Creek Permittee	0.5
Doyle Mtn - Brown Creek Fence	0A7254	Brown Creek Permittee	1.4
North Forest Boundary - Private Fence	0A7288	Lake Mountain Permittee(Flake)	1.6
Firebox Spring Enclosure	0A7423	Forest Service	
Brown Springs Corral Fence	0A7747	Lake Mountain Permittee(Flake)	0.4
Firebox - Private Fence	0B7196	Lake Mountain Permittee(Flake)	1.9
Reservation Boundary Fence	0B7213	Fort Apache Indian Res.	0.7
Lake Mtn - Buck Springs Fence	0B7252	Lake Mountain Permittee(Flake)	0.7
Mineral - Pinyon Fence	0B7289	Lake Mountain Permittee(Flake)	1.4
Forest Boundary Fence	0C7288	Lake Mountain Permittee(Flake)	1.1
Forest Boundary Fence	0E7288	Lake Mountain Permittee(Flake)	0.5
Aspen Enclosure	EX1	Forest Service	
Aspen Enclosure	EX12	Forest Service	
Aspen Enclosure	EX13	Forest Service	
Willow Enclosure	EX16	Forest Service	
Willow Enclosure	EX17	Forest Service	
Livestock Enclosure	EX18	Forest Service	
Aspen Enclosure	EX2	Forest Service	
Aspen Enclosure	EX3	Forest Service	
Aspen Enclosure	EX4	Forest Service	
Aspen Enclosure	EX9	Forest Service	
Brown Creek Enclosure	EXBC	Forest Service	
Game and Fish Enclosure	EXC1	Arizona Game and Fish	
Livestock Enclosure	EXPL	Forest Service	



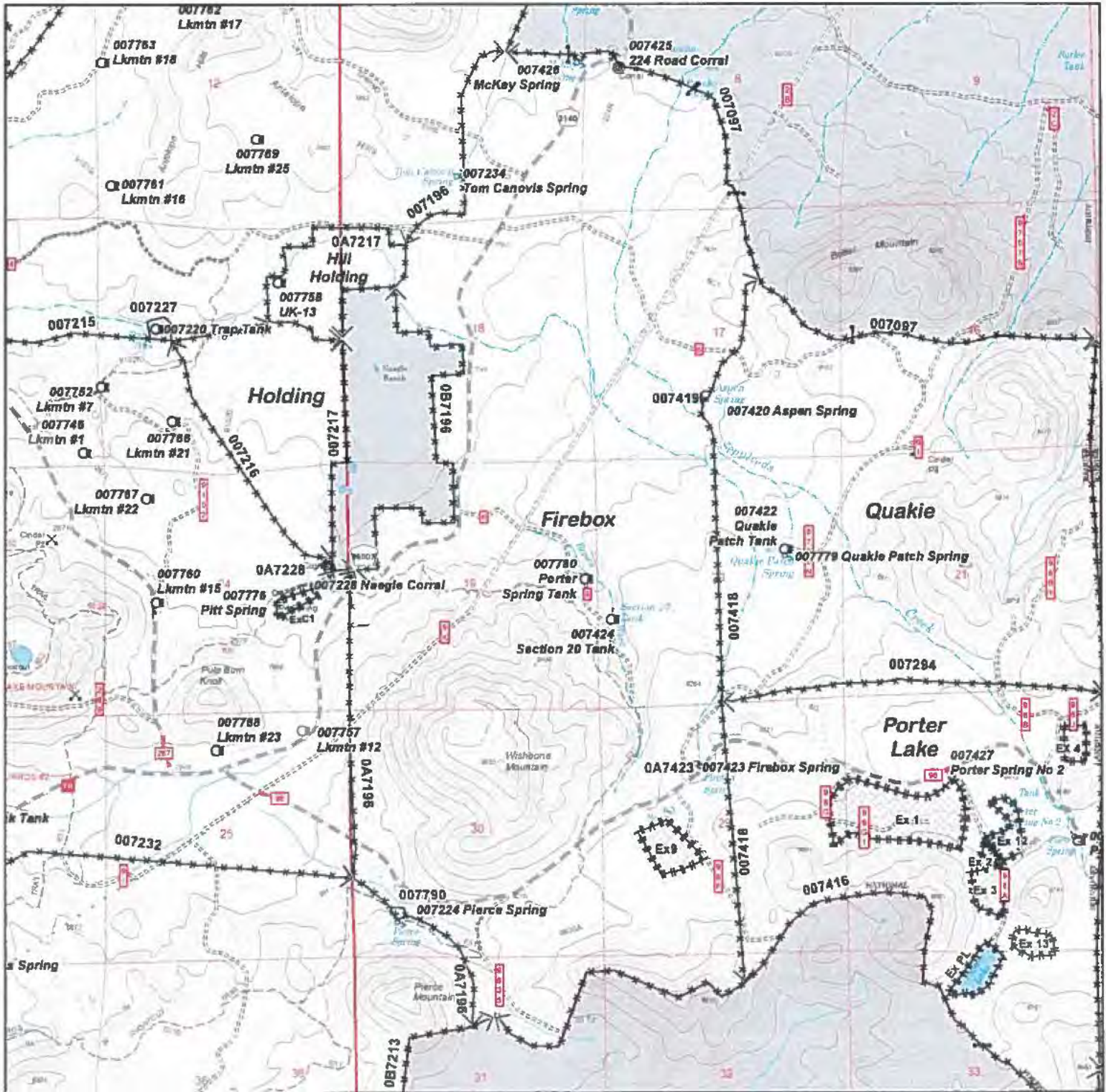
Lake Mountain Allotment Pastures



- Pasture Boundary
- Lake Mountain Allotment
- USFS
- Other Ownership
- Ranger District Boundary

Lakeside Ranger District
Apache-Sigreaves NFs

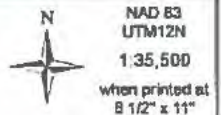
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Lake Mountain Allotment Range Improvements

Pasture:
Firebox

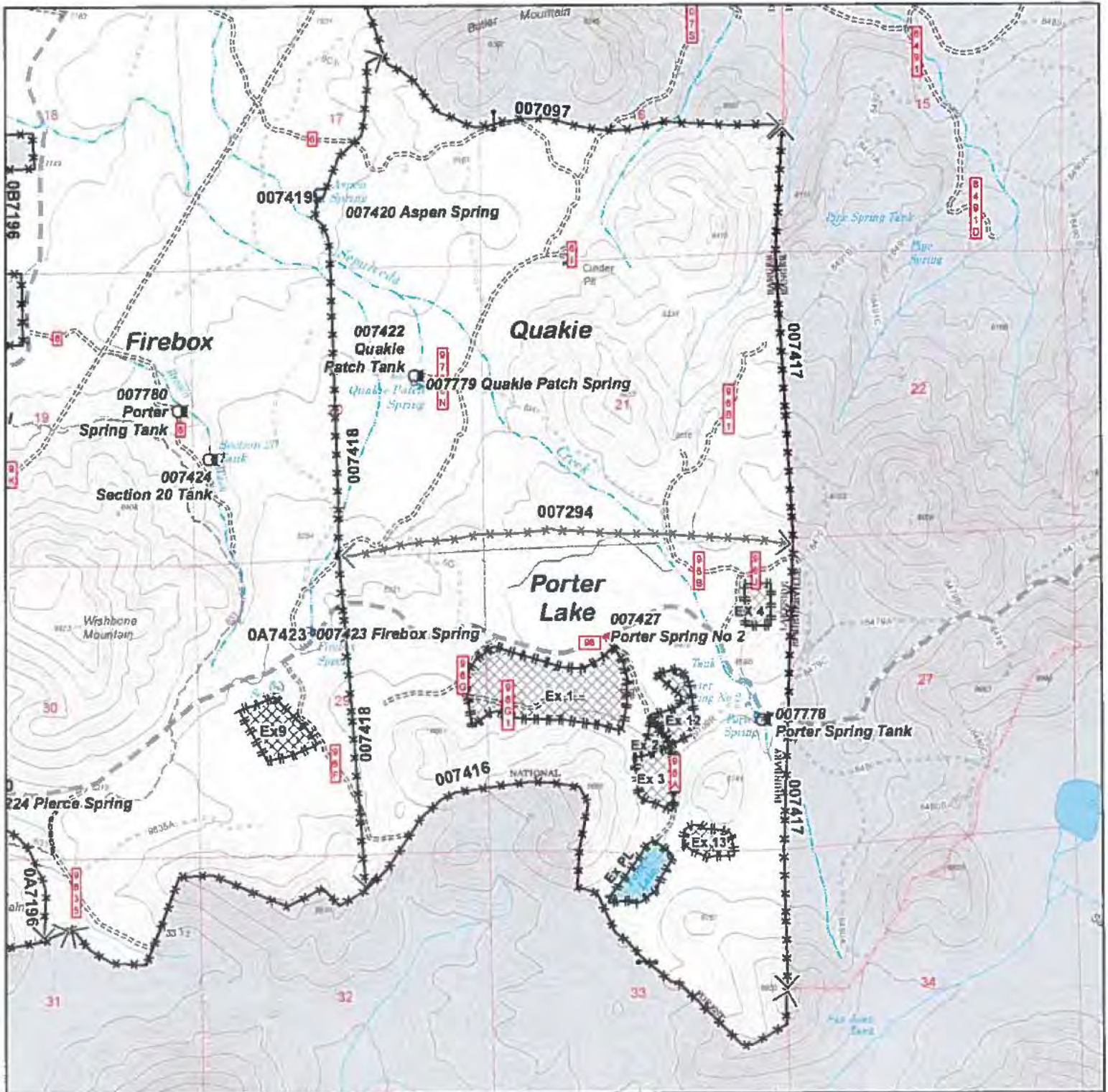
Lakeside Ranger District
Apache-Sigreaves NFs



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

- | | | |
|--|---|--|
| <ul style="list-style-type: none"> Tank Spring Seep Pit Cattleguard Corral | <ul style="list-style-type: none"> Fence Waterlot Enclosure Non-Range Fence Trails Power Line | <ul style="list-style-type: none"> Lake Mountain Allotment USFS Other Ownership Ranger District Boundary <p>Roads: Operational Maintenance Level</p> <ul style="list-style-type: none"> HIGH CLEARANCE VEHICLES SUITABLE FOR PASSENGER CARS MODERATE DEGREE OF USER COMFORT HIGH DEGREE OF USER COMFORT |
|--|---|--|

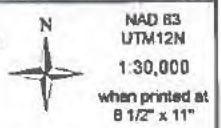
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Lake Mountain Allotment Range Improvements

Pasture: Quakie & Porter

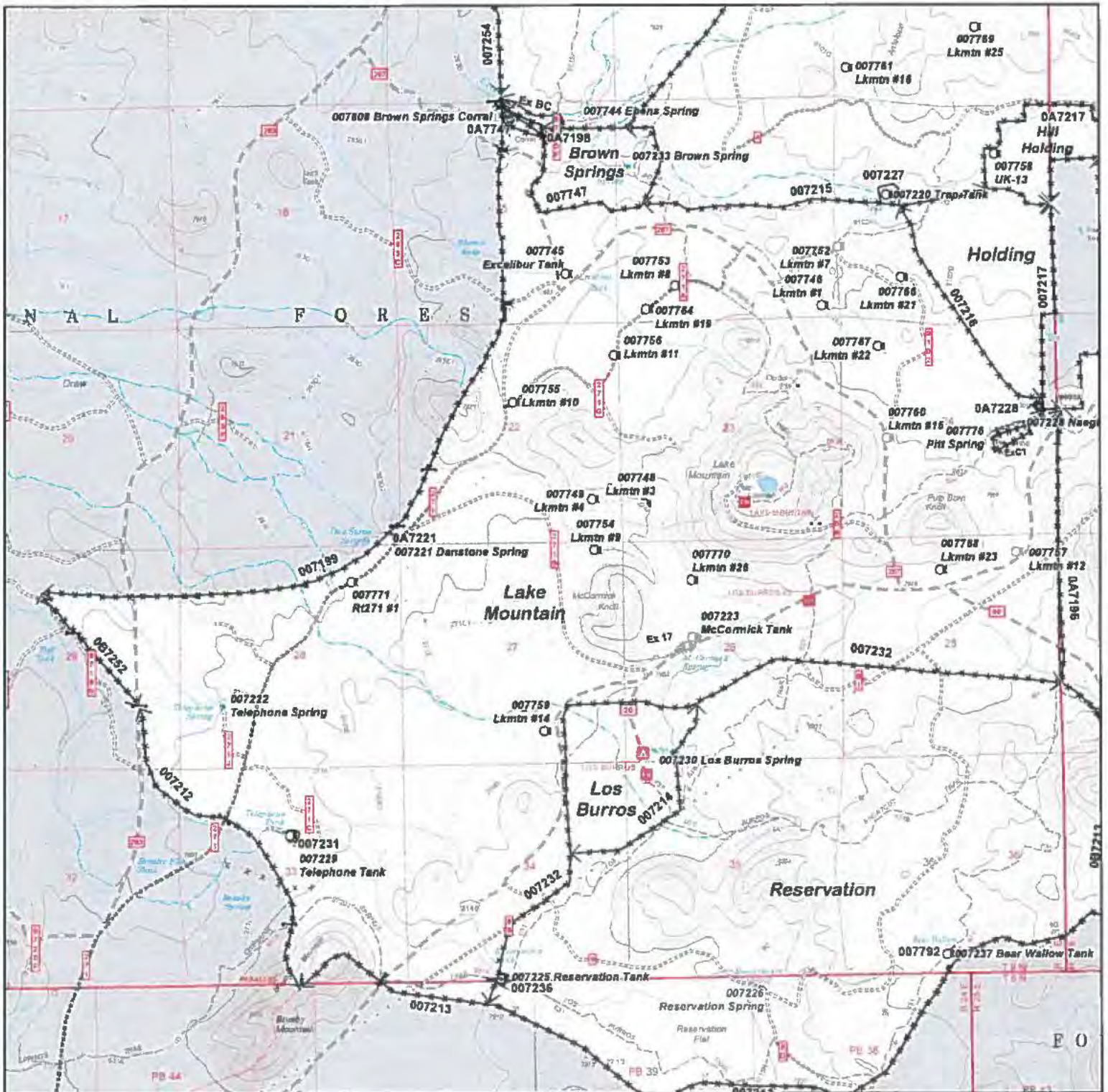
Lakeside Ranger District
Apache-Sigreaves NFs



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

- | | | |
|-------------|-----------------|---|
| Tank | Fence | Lake Mountain Allotment |
| Spring | Waterlot | USFS |
| Seep | Exclosure | Other Ownership |
| Pit | Non-Range Fence | Ranger District Boundary |
| Cattleguard | Trails | Roads: Operational Maintenance Level |
| Corral | Power Line | HIGH CLEARANCE VEHICLES |
| | | SUITABLE FOR PASSENGER CARS |
| | | MODERATE DEGREE OF USER COMFORT |
| | | HIGH DEGREE OF USER COMFORT |

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**Lake Mountain Allotment
Range Improvements
Pasture:
Lake Mountain,
Holding, Brown Springs**

Lakeside Ranger District
Apache-Sigreaves NFs

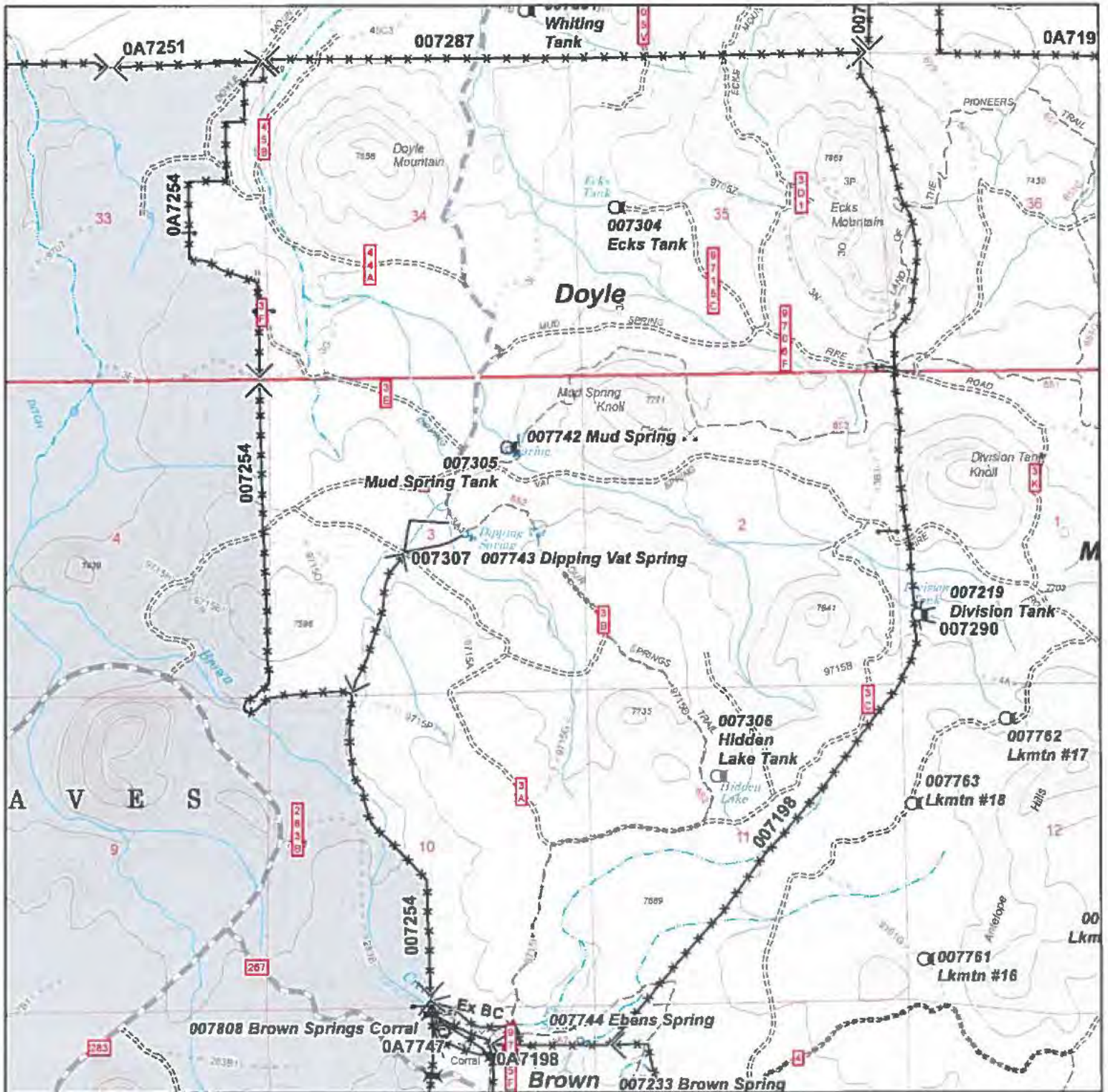


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1:40,000
when printed at
8 1/2" x 11"

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

- | | | |
|---------------|-------------------|--|
| ☉ Tank | ↔ Fence | ▭ Lake Mountain Allotment |
| ⊙ Spring | — Waterfoot | ▨ USFS |
| ⊙ Seep | ⊥ Enclosure | ▩ Other Ownership |
| ⊙ Pit | ● Non-Range Fence | ▬ Ranger District Boundary |
| ⊙ Cattleguard | — Trails | ▬▬▬ Roads: Operational Maintenance Level |
| ⊙ Corral | — Power Line | ▬▬▬ HIGH CLEARANCE VEHICLES |
| | | ▬▬▬ SUITABLE FOR PASSENGER CARS |
| | | ▬▬▬ MODERATE DEGREE OF USER COMFORT |
| | | ▬▬▬ HIGH DEGREE OF USER COMFORT |

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Map created by P. Kean Taylor 1/3/2018
1:40,000 Scale
GIS/L. K. S. Lake Mountain (P. Kean Taylor) (BMAP) Product



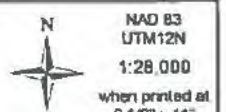
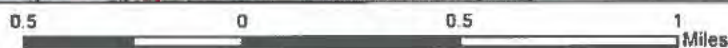
Lake Mountain Allotment Range Improvements

Pasture:
Doyle

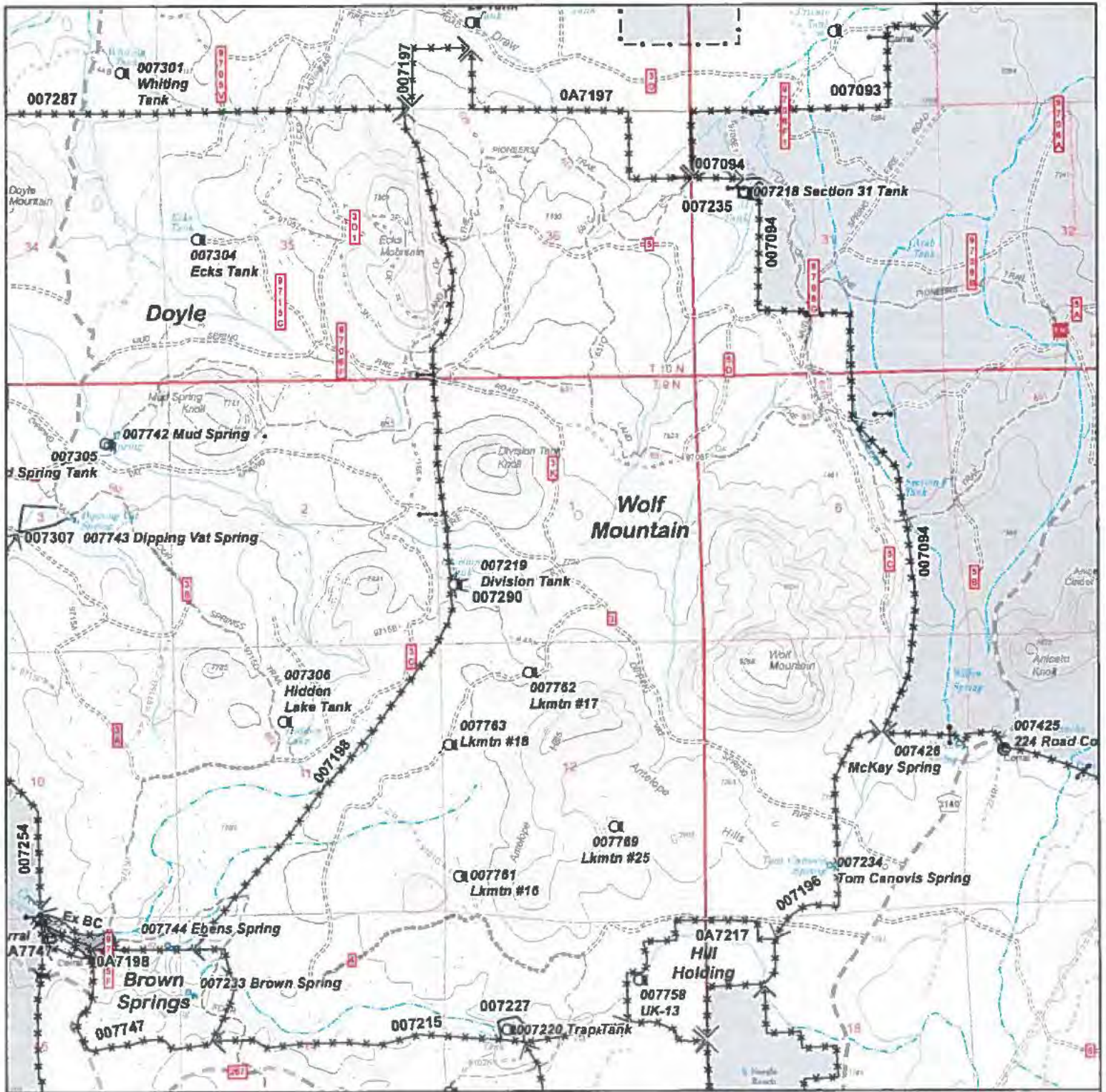
Lakeside Ranger District
Apache-Sigreaves NFs

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

- | | | |
|---------------|-------------------|--|
| ⊙ Tank | ⬅➡ Fence | ▭ Lake Mountain Allotment |
| ⊙ Spring | — Waterfot | ▨ USFS |
| ⊙ Seep | ⊥ Enclosure | ▨ Other Ownership |
| ⊙ Pit | ● Non-Range Fence | ▨ Ranger District Boundary |
| ⊙ Cattleguard | — Trails | ▨ Roads: Operational Maintenance Level |
| ⊙ Corral | — Power Line | ▨ HIGH CLEARANCE VEHICLES |
| | | ▨ SUITABLE FOR PASSENGER CARS |
| | | ▨ MODERATE DEGREE OF USER COMFORT |
| | | ▨ HIGH DEGREE OF USER COMFORT |



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Map created by Pivoin Taylor 1/12/2018
1 F SWF GIS Apache-Sigreaves NF program 02/20/08 on ge GIS & KSI site location IP 007231 0046 Product



Lake Mountain Allotment Range Improvements

Pasture:
Wolf Mountain & Hill Holding

Lakeside Ranger District
Apache-Sigreaves NFs

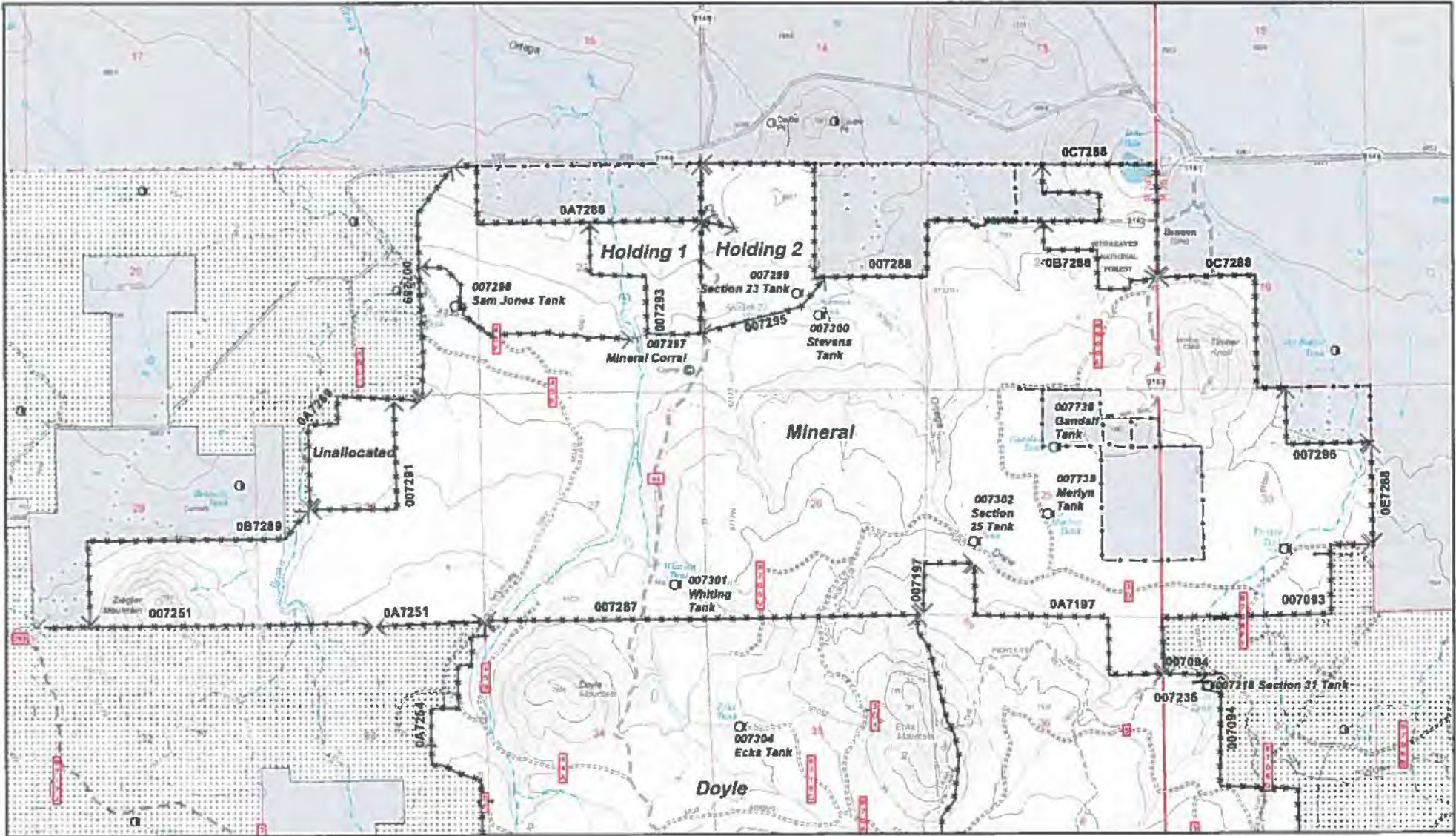


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Map Legend: Improvements (Symbols in legend not to scale with symbols on map)

- | | | |
|-------------|-----------------|--------------------------------------|
| Tank | Fence | Lake Mountain Allotment |
| Spring | Waterlot | USFS |
| Seep | Exclosure | Other Ownership |
| Pit | Non-Range Fence | Ranger District Boundary |
| Cattleguard | Trails | Roads: Operational Maintenance Level |
| Corral | Power Line | HIGH CLEARANCE VEHICLES |
| | | SUITABLE FOR PASSENGER CARS |
| | | MODERATE DEGREE OF USER COMFORT |
| | | HIGH DEGREE OF USER COMFORT |

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Map created by: Pridon Taylor 1/13/2018
TV: SNA Apache-Sigreaves Program/2008Range/ GIS/KSL/LakeMountainFarm/2018MapProd.pdf



Lake Mountain Allotment Range Improvements

Pasture: Mineral, Holding 1 & 2

Lakeside Ranger District
 Apache-Sigreaves NFs
 Page 24 of 24

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

- | | | |
|---------------|-------------------|--|
| ○ Tank | ↔ Fence | □ Lake Mountain Allotment |
| ○ Spring | — Waterlot | ▨ USFS |
| ○ Seep | ⊥ Exclosure | □ Other Ownership |
| ✕ Pit | ● Non-Range Fence | □ Ranger District Boundary |
| ⊥ Cattleguard | — Trails | — Roads: Operational Maintenance Level |
| ◎ Corral | — Power Line | ▨ HIGH CLEARANCE VEHICLES |
| | | — SUITABLE FOR PASSENGER CARS |
| | | ▨ MODERATE DEGREE OF USER COMFORT |
| | | ▨ HIGH DEGREE OF USER COMFORT |



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