

WILDERNESS IMPLEMENTATION SCHEDULE

GALIURO WILDERNESS

PREPARED BY:

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DATE:

9/13/93

RECOMMENDED BY:

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DATE:

9-22-93

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DATE:

9/30/93

I. INTRODUCTION

The Galiuro Wilderness is a 76,317 acre wilderness located on the Safford Ranger District of the Coronado National Forest. The Safford Ranger District has administrative responsibility for the wilderness. The Galiuro Wilderness was designated as the Galiuro Primitive Area on October 21, 1932 and contained about 55,000 acres. On June 19, 1940 the area was designated as the Galiuro Wild Area. On September 3, 1964 the area was designated as the Galiuro Wilderness by the Wilderness Act and the acreage was revised to 52,717 acres. The wilderness area was enlarged by the Arizona Wilderness Act of 1984 to its current acreage. The Galiuro Wilderness Management Plan was approved on November 30, 1972. While outdated, due to the 1984 wilderness additions and the development of the Coronado National Forest Plan, the wilderness plan does provide important information and serves as a general guide.

The wilderness comprises much of the Galiuro Mountains, bounded on the west by the San Pedro River Valley, on the east by Sulphur Springs Valley, and on the northeast by Aravaipa Valley. While it appears as a knife-edge from a distance it is actually a double range bisected by Rattlesnake and Redfield canyons. Vegetation ranges from semi-desert grassland type to those of the mixed conifer type. Due to the steep, rough terrain and dense vegetative cover of the Galiuro Wilderness, few visitors use areas other than system trails and canyon bottoms.

A purpose of this schedule is to identify the management actions specified by the Coronado National Forest Plan for the Galiuro Wilderness, assign the position responsible for the accomplishment of the action, estimate the cost of accomplishment and establish the fiscal year the accomplishment is planned. Another purpose of this schedule is to plan the analysis process, including public involvement, to develop management direction, objectives, standards, and guidelines specific to the Galiuro Wilderness to be incorporated into the revision of the Coronado National Forest Plan scheduled for 1998. Inventory information gathered from projects scheduled during the next several years will also be used to determine management direction for this wilderness.

To initiate the process of developing the specific management direction for the Galiuro Wilderness, public involvement letters were sent to known interested individuals in 1992 requesting input on resource and management priorities for the Galiuros. A summary of the current direction in the Coronado National Forest Plan was also included in the mailing. Issues that were identified by individuals who responded were categorized into: recreation and visitor education, trail system and trailheads, signing, historic and cultural resources, fish and wildlife, federally listed threatened or endangered flora and fauna, soil and water, domestic livestock and forage, forest cover, fire, air quality, minerals, landownership, right-of way acquisition and access, other agency coordination, and monitoring. They were considered in developing the Wilderness Implementation Schedule.

This Wilderness Implementation Schedule consists of three parts:

MANAGEMENT ACTIONS TIMETABLE. This table outlines the current management actions contained in the Coronado National Forest Plan specific to the Galiuro Wilderness and recurrent annual actions.

FOREST PLAN AMENDMENT TIMETABLE. This table outlines the analysis process to develop the input for the revision of the Coronado National Forest Plan.

MANAGEMENT ACTION NARRATIVE. This section will briefly describe the situation involved with the management actions outlined in the Management Actions Timetable and provide additional details on costs of accomplishment.

Management Action 1. Wilderness Patrol/Use Inventory.

Situation: Other than certain destination locations such as the Powers Garden area, use has not significantly affected the objective of maintaining an enduring wilderness untrammled by man. The use received is generally confined to the trail system and accessible canyon bottoms due to the rugged terrain and dense vegetation. The existing Wilderness Plan establishes tentative wilderness capacities and a maximum group size of 15 persons. This maximum group size is comparable with group sizes established for other wilderness areas to preserve the wilderness experience of others and to minimize resource effects. No need to modify this direction has been identified. A 36 Code of Federal Regulation, Subpart B Closure Order will be prepared and instituted to allow enforcement of the established limits. Wilderness Patrol is also necessary for enforcement.

Most use is received in the spring and fall seasons. Patrol during March, April, September, October, and November by two individuals would allow information collection, user education, monitoring, incidental trail maintenance, general cleanup, and enforcement. Information on amount of use and locales will be gathered on all patrols.

NFWM Funding	\$17600.00
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Management Action 2. Stabilization and Preservation of Powers Cabin (Chimney).

Situation: Powers Cabin is listed on the National Register of Historic Places. A preservation plan has been developed and implementation is under way. This action item is the continuance and completion of the preservation plan, annual routine maintenance, and monitoring needed to manage use to preserve this historic site. Volunteers have assisted in past preservation projects and are expected to be important to the future actions at the site. The wilderness patrol in Management Action 1. can accomplish a sufficient level of monitoring along with the other duties of patrol. The chimney of the cabin has collapsed and will need to be reconstructed. The following is the cost estimate for reconstruction of the chimney. This Management Action will be updated as additional projects are identified.

NFCR Funding	\$2000.00
NFWM Funding	\$3000.00

Management Action 3. National Register Evaluation of Cabin Sites/ Non-conforming Structure Removal.

Situation: The Coronado National Forest Plan specifically calls for the National Register evaluation of Powers Garden and Barn and Hooker Cabin. The field work on Powers Garden and Barn was completed during fiscal year 1993. The determination is that Powers Garden and Barn are not eligible. Hooker Cabin is not considered to be eligible because it was constructed during the 1960's and does not meet the basic criteria for eligibility of being over 50 years old. Another cabin, Knoethe Cabin, needs to be evaluated.

If ineligible for the National Register of Historic Places, cabins in wilderness areas are considered as non-conforming structures , and wilderness management direction is to schedule their removal. This project is to evaluate Knoethe Cabin. The project is also to conduct any environmental analysis necessary to determine use of Powers Garden Administrative Site. Project is to remove non-conforming structures determined to be intrusive.

The Powers Garden and Barn site is used as a Forest Service Administrative Site and is listed as a range improvement on the Grazing Permit held by Mr. Tony Lunt. The facility consists of a 1930's vintage adobe

cabin with an add-on back porch, an old log barn which is 80% fallen down, pole and wire corrals, and several pasture fences. The site is used by Forest Service employees as shelter and base of operations when working in the northern and central Galiuro Mountains. Use by Forest Service personnel and volunteers is approximately 150 person days per year. Range Permittee use of the site is negligible in recent years since the majority of the wilderness of the Deer Creek Allotment is not included in the grazing schedule of the allotment management plan. The area is not closed to grazing, but is currently considered to be uneconomical for grazing due to remoteness, heavy encroachment of chaparral, and topography.

The site is also used for shelter by the general public in their wilderness use as a destination site. The concentrations of use generated and the level of development involved at this site are outside the level normally associated with a wilderness experience. The general public use of Powers Garden occurs during spring and fall and is heaviest over Easter, Memorial Day, and Labor Day. These three weekends are essentially the only times that public use and impact is beyond that level considered to be desirable. During these three weekends, multiple groups converge on the site and occupy it for 2-4 days. Nearly all groups use saddle and pack stock. The presence of several pastures offer the opportunity for multiple groups to use the site and still keep their stock separated. The administrative horse pastures also present the convenience of grazing pack and saddle stock rather than bringing in feed for them. The add-on porch attached to the adobe cabin provides accommodations with beds for 7-8 individuals. Enough is known at this time for the development of a proposed action for Powers Garden and Barn, and it is as follows:

Preserve original cabin structure for cultural significance, emergency shelter, and incidental administrative use. Remove the lean-to back porch on the main cabin and the storage building between the barn and cabin. Dispose of these by burning. Allow barn to collapse with possible interpretive sign. Remove wood corrals and small pasture fence.

The removal of some of the present structures and livestock holding facilities will dramatically reduce the convenience factor that appears to attract concentrated use. If users are forced to use picket lines and pack livestock feed, dispersal to other less used areas of the Galiuro Wilderness is more likely.

The tentative proposed actions for Hooker Cabin and Knoethe Cabin is removal by burning, but will be contingent upon completion of the evaluation process for determining eligibility to the National Register. The following costs include the analysis costs and the cost of removal as described above.

NFWM Funding	\$13250.00
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Management Action 4. Assess and Delineate Wilderness Opportunity Spectrum Classifications

Situation: The Coronado National Forest Plan calls for integrating recreation planning with other resource planning through the development and use of Recreation Opportunity Spectrum on page 27. Since the Forest Plan was completed the Recreation Opportunity Spectrum (ROS) classification system has been replaced with the Wilderness Opportunity Spectrum (WOS) for wilderness application.

NFWM Funding	\$ 6200.00
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Management Action 5. Assess Appropriateness of Designation of Trails to the National Trails System. Nominate Appropriate Trails.

Situation: The National Trails System Act establishes a National Trail System containing national recreation, scenic, historical and connecting or side trail for the purpose of providing trail recreation opportunities. The policy is to nominate the more outstanding and qualified trails or network of trails as components of the National Trail System. Each trail in the Galiuro Wilderness would be assessed on the criteria and as a network and nominated as appropriate.

NFTR Funding \$4095.00

Management Action 6. Inventory for the Existence of Caves and Develop Management Prescriptions for Caves Found.

Situation: The Federal Cave Protection Act of 1988 provides for protection of cave resources. Standards and Guidelines are found on pages 27 and 27-1 of the Coronado National Forest Plan. Numerous caves are known to exist within the Galiuro Wilderness. Caves may have cultural resource and wildlife value considerations. This task, given the rugged terrain and the size of the area to survey, and the limited number of personnel available with expertise will require several years to accomplish. An annual program at the following level is proposed until this action is completed for the entire wilderness.

NFWM Funding \$8021.00
NFWL Funding \$ 915.00

Management Action 7. Wilderness Education

Situation: Providing information and education to wilderness visitors is an important management tool for the preservation of wilderness values. Printed materials which provide information and use ethic emphases is one aspect. User contact by patrol personnel and programs at schools are also planned.

NFWM Funding \$2795.00

Management Action 8. Develop a Wilderness Trail Transportation System Plan/Sign Plan

Situation: Trails in the wilderness are in the transportation system. A well planned and developed trail system provides the means of distributing use away from sensitive areas, increasing capacity without sacrificing experience quality, and increasing the opportunities provided. This effort would entail reviewing the existing trail system, determining maintenance levels and frequency of maintenance, reconstruction needs, and the signing needs in light of Wilderness Opportunity Classification. This effort would include the development of the overall Wilderness Sign Plan, including signing of trailheads outside the wilderness. Upon completion of this plan the Wilderness Implementation Schedule will be updated with the construction/reconstruction projects identified for CNTR funding.

NFTR Funding	\$4080.00
NFVM Funding	\$ 850.00
NFWL Funding	\$ 840.00

Management Action 9. Conduct Annual Trail Maintenance Program.

Situation: There are 21 trails on the trail system inventory within or leading to the Galiuro Wilderness. They total approximately 109 miles, 99 miles inside the wilderness and 10 miles outside the wilderness. Level and frequency of trail maintenance will be determined based on Wilderness Opportunity Classes. Trails in WOC 3-4 will receive priority for maintenance until all trails are maintained to established management levels.

NFTR Funding	\$54400.00
NFWL Funding	\$ 840.00

Management Action 10. New Trailheads.

Situation: Deer Creek and High Creek Trailheads have been designed. Construction funding is scheduled for 1996. Trailhead facilities will be constructed to be accessible to disabled persons.

Location:	Improvements:
Deer Creek	Road improvement, developed parking,
High Creek	tables, grills, corrals, restrooms, registration box and info board.

CNFC Funding-Deer Creek	\$56000.00
CNFC Funding-High Creek	\$48400.00

Management Action 11. Conduct Right-of-Way Needs Assessment.

Situation: The "sky island" nature of being surrounded by other ownerships, private and public, and the general lack of established public easements makes access to the Galiuro Wilderness an issue. The Bureau of Land Management (BLM) has adjacent wilderness and is currently involved in a Coordinated Resource Management planning effort with the Muleshoe Ranch on the southern end of the Galiuros. The Safford Ranger District has been cooperating in this process and discussions have included access needs. The BLM plans to conclude this process in 1995. The development of a R-O-W Acquisition and Development Plan will be coordinated in this process.

NFLA Funding	\$3270.00
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Management Action 12. Post Wilderness Boundary.

Situation: The wilderness boundary is currently posted adjacent to existing accesses. As additional needs are determined the Wilderness Implementation Schedule will be updated.

Management Action 13. Inventory Wilderness for Threatened, Endangered, and Sensitive Species.

Situation: There are five Mexican Spotted Owl territories in the Galiuros. It would be desirable to informally monitor one territory each year. There are ongoing challenge cost share agreements administered by the Supervisor's Office for survey of sensitive plants. Only the informal monitoring of Mexican Spotted Owl territories is included in the following cost estimates.

NFTE Funding \$3400.00

Management Action 14. Introduce Goulds Turkey.

Situation: Goulds Turkey were determined to be a species that had been extirpated from the Galiuros. The environmental analysis and documentation process was completed in 1993 on a proposed action by the Arizona Game and Fish to re-introduce Goulds Turkey into the Galiuros. The turkeys will be released outside the wilderness boundary, but are expected to occupy habitat inside the wilderness. The turkeys are coming from Mexico and introduction is pending upon capture and importation. Some staff time for coordination and monitoring will be involved.

NFWM Funding \$ 340.00
NFWL Funding \$1304.00

Management Action 15. Complete Classification and Inventory of Riparian Areas.

Situation: This action was completed for the riparian areas in the Galiuros during 1992. Periodic monitoring of condition and trend is planned every five years. The next monitoring review is scheduled for 1997. The Coronado National Forest Plan on pages 38-40 and pages 80-82 directs that action plans be completed for all unsatisfactory riparian areas to achieve and maintain satisfactory riparian conditions. This may be accomplished through the use of structural improvements, movement of livestock or the exclusion of livestock. No unsatisfactory riparian areas were found in the Galiuro Wilderness; therefore, no action plans will be completed at this time. Should monitoring determine unsatisfactory condition then an action plan would be prepared. Monitoring cost are as follows:

NFSO Funding \$15775.00
NFWL Funding \$ 840.00
NFWM Funding \$ 850.00

Management Action 16. Allotment Management Plans

Situation: There are 14 allotments which involve the Galiuro Wilderness. All, but 3 have approved Allotment Management Plans. The Redfield Allotment, 22091 acres, is not grazed so an allotment plan is not necessary. The Bayless Allotment has only 5 head permitted on an on/off basis and it is not economical to incur the cost of analysis and plan development. The Bass Allotment is scheduled for analysis and allotment plan development in fiscal 1994. All allotments were reviewed in 1993 and are scheduled for review every three years. The cost of periodic review of all allotments is estimated at \$10,000. The following is the estimate of the allotment plan for the Bass Allotment:

NFVM Funding	\$5950.00
NFWL Funding	\$ 840.00
NFWM Funding	\$ 850.00

Management Action 17. Review and Update the Galiuro Mountain Prescribed Natural Fire Plan.

Situation: The Coronado National Forest Plan contains fire and fuels management direction for wilderness on page 82. The direction encourages the use of prescribed fire to minimize the effects of wildfire using natural and management ignitions and the use of the suppression response (confinement, containment, or control) most compatible with wilderness management objectives. Fire management emphasis is to permit lightning caused fires to play, as nearly as possible, their natural ecological role within wilderness. The Galiuros are within Fire Management Zone 2 of the Coronado Forest Plan and the threat of catastrophic fire is minimal.

The Galiuro Mountain Prescribed Fire Plan does not meet current standards. The Galiuro Mountain Prescribed Fire Plan will be prepared concurrently with a prescribed natural fire plan for the Santa Teresa Wilderness. Coordination with the Bureau of Land Management on prescribed natural fire plans and fire suppression policy will be necessary because of the proximity of the Redfield and North Santa Teresa Wildernesses.

NFWM Funding	\$20550.00
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Management Action 18. Air Quality Management.

Situation: The Clean Air Act and its amendments have established the Galiuro Wilderness as a Class I airshed. A Class I airshed has the most stringent standards for protection from pollution. The Act established a framework for the establishment of monitoring and protection programs for air quality and related values (e.g. visibility). The Forest Service (Regional Office) is currently in the process of establishing air quality management programs for the eight Class I areas within Arizona. A program will be developed to monitor and protect the identified air quality values. The Forest Service will act affirmatively in the Arizona Department of Environmental Quality's air quality planning process to protect these air quality values from deteriorating.

Identify Air Quality Related Values (AQRV's) for Galiuro Wilderness. Develop a management plan to provide for protection of the identified AQRV's.

Develop monitoring program for establishing baseline condition of AQRV's in Galiuro Wilderness--including monitoring protocols, staffing, equipment.

Implement monitoring program (water samples, passive sampling air filters, etc.)

Respond to Prevention of Significant Deterioration permit applications that may affect Class I airshed.

Total NFSO Funding	\$6000.00
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Management Action 19. Wilderness Planning.

Situation: Standards and guidelines for the Galiuro Wilderness will be developed according to the attached Forest Plan Amendment Timetable. It includes the accomplishment of the NFMA considerations in 1994, the completion of the NEPA process through alternative development in 1995, and NEPA process through documentation in 1996. Implementation of standards and guidelines will occur in 1996. An annual cost for the three year program is estimated at \$10,000 per year.

**Galiuro Wilderness Implementation Schedule
MANAGEMENT ACTIONS TIMETABLE**

Management Actions	Target Date for Completion	Responsible Position	Estimated Cost & Funding Code Distribution
1. Wilderness Patrol/Determine Use Capacities	1995 and Annual	District Recreation Staff	\$17,600 NFWM
2. Stabilization and Preservation of Power's Cabin	1994	District Recreation Staff	\$ 2,000 NFCR \$ 3,000 NFWM
3. National Register Evaluation of Cabin Sites/Non-conforming Structure Removal	1994 & 1995	District Recreation Staff	\$13,250 NFWM
4. Assess and Delineate Wilderness Opportunity Spectrum Classifications	1994	District Recreation Staff	\$ 6,200 NFWM
5. Assess Appropriateness of Designation of Trails to the National Trails System. Nominate Appropriate Trails.	1998	District Recreation Staff	\$ 4,095 NFTR
6. Inventory for the Existence of Caves and Develop Management Prescriptions for Caves Found.	1995	Forest Caving Specialist	\$ 8,021 NFWM \$ 915 NFWL
7. Wilderness Education	1994	District Recreation Staff	\$ 2,795 NFWM
8. Develop a Wilderness Trail Transportation System Plan/Sign Plan	1995	District Recreation Staff	\$ 4,080 NFTR \$ 850 NFVM \$ 840 NFWL
9. Conduct Annual Trail Maintenance Program	Annual	District Recreation Staff	\$54,400 NFTR \$ 840 NFWL
10. New Trailheads Deer Creek High Creek	1996	District Recreation Asst	\$56,000 CNFC \$48,400 CNFC
11. Conduct Right of Way Needs Assessment	1995	District Recreation Staff	\$ 3,270 NFLA
12. Post Wilderness Boundary	As needed	District Recreation Staff	\$ NFWM
13. Inventory Wilderness for Threatened, Endangered and Sensitive Species	Annual	District Wildlife Staff	\$ 3,400 NFTE

Management Actions	Target Date for Completion	Responsible Position	Estimated Cost & Funding Code Distribution
14. Introduce Gould's Turkey.	1994	District Wildlife Staff	\$ 1,304 NFWL \$ 340 NFWM
15. Complete Classification and Inventory of Riparian Areas.	1997	District Range & Watershed Staff	\$15,775 NFSO \$ 850 NFWM \$ 840 NFWL
16. Allotment Management Plan (AMP)	1994	District Range & Watershed Staff	\$ 5,950 NFVM \$ 840 NFWL \$ 850 NFWM
17. Update Galiuro Mountain and Santa Teresa Prescribed Natural Fire Plans	1997	District Fire Management Officer	\$20,550 NFWM
18. Continue Air Quality Monitoring Program	1994-1996	SO Watershed Staff	\$ 6,000 NFSO
19. Wilderness Planning	1994-1996	District Recreation Staff	\$10,000 NFWM Annually

Fund Code Key

NFWM = Wilderness Management
 NFVM = Range Management
 NFSO = Soil, Water and Air
 NFTR = Trail Maintenance
 NFTE = Threatened and Endangered Species
 NFCR = Cultural Resources
 NFWL = Wildlife
 NFGA = General Administration
 NFRN = Recreation

**Galiuro Wilderness Implementation Schedule
FOREST PLAN AMENDMENT TIMETABLE**

Management Actions	Target Date for Completion	Responsible Position	Estimated Cost	Funding Code Distribution	Accomplishment
1. Conduct Preliminary Scoping	1993	District Recreation Staff		NFWM	1993
2. Define Existing Conditions	1994	District Recreation Staff		NFWM	
3. Develop Desired Future Condition	1994	District Recreation Staff		NFWM	
4. Assess Opportunities	1994	District Recreation Staff		NFWM	
5. Determine Possible Management Practices	1994	District Recreation Staff		NFWM	
6. Determine Forest Plan Consistency	1994	District Recreation Staff		NFWM	
TOTAL			\$10,000	NFWM	
7. Develop Proposed Action	1995	District Recreation Staff		NFWM	
8. Determine Purpose and Need	1995	District Recreation Staff		NFWM	
9. Develop and Conduct Public Involvement Plan	1995	District Recreation Staff		NFWM	
10. Identify Substantive Issues	1995	District Recreation Staff		NFWM	
11. Develop Alternatives	1995	District Recreation Staff		NFWM	
TOTAL			\$10,000	NFWM	
12. Compare Environmental Affects	1996	District Recreation Staff		NFWM	
13. Determine Significance	1996	District Recreation Staff		NFWM	
14. Determine Preferred Alternative	1996	District Recreation Staff		NFWM	
15. Notify Public	1996	District Recreation Staff		NFWM	
16. Develop Forest Plan Amendment	1996	District Recreation Staff		NFWM	

Management Actions	Target Date for Completion	Responsible Position	Estimated Cost	Funding Code Distribution	Accomplishment
TOTAL			\$10,000	NFWM	
17. Implement Forest Plan Revision	1996	District Recreation Staff		NFWM	
18. Monitor	1996	District Recreation Staff		NFWM	