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IMPLEMENTATION and DIRECTION of FOREST PLAN





V. IMPLEMENTATION AND DIRECTION OF THE FOREST PLAN

A. IMPLEMENTATION DIRECTION

1. Consistency with other Management Instruments

During implementation of this Forest Plan, the administration and management of the Forest will be guided by existing and future laws, regulations, policies, and standards and guidelines. The Forest Plan is designed to supplement, not replace, direction from these sources except in specific instances.

The existing management plans, or portions of these plans where appropriate, can be used for management of the Forest providing they do not conflict with Forest plan direction. All outstanding and future permits, contracts, co-op agreements and other instruments for use and occupancy will be brought into conformance by October 1, 1987.

2. Budget Proposals

The Forest Plan provides the management direction for developing multi-year implementation programs. The practices shown in the Schedule of Proposed Practices are translated into multi-year program budget proposals which identify the needed expenditures. The processes complement the Forest planning process as vehicles for requesting and allocating the funds needed to carry out the planned management direction. The Forest's proposed annual program budget is the basis for the requested funding. Upon approval of a final budget for the Forest, the Annual Program of Work is finalized and carried out. The accomplishment of the Annual program is the incremental implementation of the management direction of the Forest Plan.

3. Environmental Analysis

Future environmental analysis required to carry out activities in the Plan will usually be tiered to the Forest Plan and EIS. Information appropriate for project-related decisions rather than land use decisions, will normally be utilized in such environmental analysis.

Projects and activities permitted within the Plan will be subjected to environmental analysis as they are planned for implementation (Forest Service Manual FSM 1952). If the environmental analysis for the project shows that: (1) the management area prescription and standards can be complied with; (2) little or no environmental effects are expected beyond those identified and documented in the Forest Plan final EIS; (3) Economic efficiency was considered as a criteria in the selection of a preferred alternative, the analysis may result in a categorical exclusion. A Decision Notice may be used to document the decision (FSM 1951). An analysis file and/or a project file will be available for public review, but this will not necessarily be documented in the form of an Environmental Assessment or Environmental Impact Statement.

Assessment of the environmental consequences of local projects is done in conformance with the National Environmental Policy Act (NEPA) of 1969 and implementing regulations (40 CFR 1500-1508). All projects on National Forest System lands will meet NEPA requirements.

B. MONITORING AND EVALUATION

This Monitoring and Evaluation Plan is designed to provide feedback to managers. It will provide information on procedures for monitoring the effects of Plan implementation.

More specifically this plan will determine:

- -- If the Forest is achieving the goals and objectives of the Plan as predicted.
- -- If the standards and guidelines are being applied as specified in the Plan.
- -- If the effects of implementation are as predicted.
- -- If the Forest's program and management are resolving the planning issues.
- -- If the cost of implementing the Plan 1s as predicted.

The monitoring plan that follows is comprised of the following components.

- 1. MIH Code the numerical identifier of the item to be monitored.
- Activity, practice or effort a specific statement of what will be monitored.
- 3. Monitoring technique a description of the technique and sources of information to be employed. To the extent possible, existing reporting systems and standard methods will be used.
- 4. Sample size or number.
- 5. Expected precision the accuracy with which data is collected. Expected reliability - a measure of how accurately the monitoring reflects the situation. Precision and reliability are qualitatively rated as High (H), Moderate (M), and Low (L).
- Responsibility the person who will coordinate the monitoring activity. Line responsibility rests with the Forest Supervisor and the District Rangers. This responsibility may be delegated as necessary.
- 7. Measurement frequency the schedules of samples are stated in part of years or years and also include some measure of sample size or number.
- 8. Reporting period the interval between reports summarizing monitoring results for a particular activity or practice. The sampling period should be long enough for specialists to capture significant information.
- 9. Variation which would initiate further evaluation/standard statement describing the tolerance limits within which actual performance can vary from predicted performance. When these limits are exceeded, further evaluation is required.

Monitoring and Evaluation Program

MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Official	Measurement <u>r</u>	Reporting Period —	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
Recreation A07	Developed Recreation Condition of Facilities (declining from designed standards)	Annual RIM Reports Total 1 needed to bring facilities to Condition Class II or I, Field Obser- vations	100%	Н/М	District Ranger & Recreation Staff	Annua	3 Years	Each developed site maintains a three-year average of less than Conditior Class II and/or a public safety problem exists.
A07	Site condition (where there's a visible problem or the vegetative management plan directs it).	Transects and Photo Points at selected key sites and estab- lish a data base where needed	As Needed	Н/М	District Ranger & Recreation Staff	5 Years	5 Years	Campsite Condition below Class 2, using the Limits of Accep- table Change in Appendix C.
A07	Developed Site Service - (Whether Forest is able to operate and maintain sites at standard service level).	PACT-Days - Mgnt. Attainment Report	100%	H/H	District Ranger & Recreation Staff	Annua 1	5 Years	PAOT-Days FSM (standard) Five- Year Average exceeds or declines from the Forest Plan objective by 10%
A67	Developed Site Use - Amount and Distribution (does demand exceed supply? Whether construction/recon- struction is needed.)	Double sample or any other statisti- cally sound techni- que at indicator sites. In addition, random sample all fee sites	100%	M/M	District Ranger & Recreation Staff	Annua l	Annua 1	Use of individal site exceeds 60% of theoretical capacity for the summer season or daily use exceeds capacity on more than 5% of the days in the summer season. The five- year average developed site use for the Forest varies from projected demand by more than 20%

 $\frac{1}{2}$ Where more than annual, measurements and reports will be equally staggered each year.

MIH Reference <u>Code</u> Recreation	Activity, Practice, or Effect to be Measured Dispersed Recreation	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
A08	Dispersed Visitor Use (Summer and winter)	Road counters Parking lot counts Trail Counters Annual RIM Reports	100%	M/L	District Ranger & Recreation Staff	Annual	5 Years	Visitor use varies from pro- jected demand by greater than 20%
A08	Dispersed Site Condition	Photo Points, transects at key sites adjacent to water	As Needed	Н/М	District Ranger & Recreation Staff	5 Years	5 Years	Campsite Conditions below Class 3 using the Limits of Accep- table Impact in Appendix D.
A12	Trail Condition	Trail condition surveys	As Needed	M/M	District Ranger & Recreation Staff	25%	4 Years	When 20% of trail mileage falls below established management objectives and planned mainte- nance levels.
A01	Off-Road Vehicle Use	 Field observations Public complaints Closure violations Acres impacted Project EA's 		H/M	District Ranger & Recreation Staff	Annua 1	5 Years	An increase of 10% in acreage needing conflict resolution or an intense use conflict. Increase in substantial complaints. If use conflicts with management goals for the management area.
A08	Changes in R.O.S. classification mix	Compare R.O.S. changes with inventory	100%	н/н	Recreation Staff	Annual	5 Years	10% change in accepted R.O.S. mix from projected classifica- tions.
A02 & A03	Cultural Resources Completion of cultural resource investigation for all site disturbing activities.	Compare completed cultural resource investigations against list of site - disturbing projects.	100%	Н/н	District Ranger & Recreation Staff	Annua1	Annua 1	Less than 100% compliance.
A04	Compliance with protection or mitigation plans.	On-site inspection of properties addressed by protec- tion or mitigation plans.	100%	H/H V-4	District Ranger & Recreation Staff	Annua 1	5 Years	Any change in the property from base line data in plans.

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
Recreation	Visual Resources							
A02	Compliance with Visual Quality	Landscape Architect evaluate one reten- tion travel route selected at random annually during and after project. Also, evaluate a minimum	One	н/м	District Ranger & Recreation Staff	Annual	Annual	More than one sampled project does not meet VQO in a given year.
		of two or 10% of randomly selected projects, whichever is more, of previous year's projects.	Τωο					One or more projects in two successive years does not meet VQO
	Wilderness				•			······································
B03	Conditions of campsites and surrounding area are declining from the current situations.	Limits of acceptable change at key sites	100%	н/м	District Ranger & Recreation Staff	5 Years	5 Years	Limits of change analysis shows that the condition class has declined one class on 25% of inventoried sites. 2/
603	Amount and Distribution of Human Use	Trail registration, trail counters, and trailhead counts with periodic inten- sive sample verifi- cation.	100%	M/M	District Ranger & Recreation Staff	Annua 1	Annua I	Human use exceeds area capa- city identified in this Plan.

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 $\frac{2}{2}$ Condition classes will be determined prior to the first reporting period.

MIH Reference Code	Activity, Practice, or Effect to be Measured Fish and Wildlife	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability_	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
<u> </u>	Management Indicator Species Elk and Mule Deer	Annual UDWR popula- tion estimates. Wildlife Habitat Rela- tionship Models.	100%	M/M	District Ranger & Wildlife Staff	Annual	5 Years	Change in use of key habitat areas. (wallows, fawning and calving areas.) $\pm 20\%$ in popu- lation estimates within a herd unit.
	Cutthroat Trout and Macro- invertebrates	Annual DWR population estimates and/or macroinvertebrate studies.	100% (where baseline data exists) or as needed.	M/M	Dıstrıct Ranger & Wildlıfe Staff	5 year intervals or as required in project EA's.	5 Years	20% change in population, age, or size classes. When BCI drops below 75.
	Goshawk	Timber stand data, EA's, Wildiife Habi- tat Relationship Wodel	100% of desig- nated stands	M/M	District Ranger & Wildlife Staff	10 Years	10 Years	Any reduction in acreage below 5% of total old growth condi- tions.
	Golden Eagle	Survey data	100% of known nesting sites	M/M	District Ranger & Wildlife Staff	5 Years	5 Years	±10% change in nesting acti- vity
	Yellowbellied Sapsucker, Warbling Vireo	Timber stand data, Habitat diversity modeling	100% of data base	M/N	District Ranger & Wildlife Staff	10 Years	10 Years	±10% change in hardwood acre- age.
	Lincoln's Sparrow, Song Sparrow	Habitat modeling	100% of data base	M/M	District Rarger & Wildlife Staff	5 Years	5 Years	±10% ın riparıan acreage.

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MIH Reference Code	Activity, Practice, or Effect to be Measured Fish and Wildlife	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Rel <u>iability</u>	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
	White-tailed Ptarmigan	UDWR Population Census	100%	M/N	District Ranger & Wildlife Staff	Annual	5 Years	20% drop in annual population or 5% drop in 5-year trends.
	Sage Grouse	UDWR lek surveys and brood counts, winter ground use surveys	100%	M/M	District Ranger & Wildlife Staff	Annua 1	5 Years	10% drop in breeding popula- tions.
C01	Threatened and Endangered and Sensitive Species Osprey (Sensitive)	Survey data of nesting sites	100% of known sites	M/M	District Ranger & Wildlife Staff	Annual	5 Years	±10 change in nesting activity.
	Bald Eagle	Winter survey with UDWR	100%	M/Fi	Distrıct Ranger & Wıldlıfe Staff	Annua1	Annua]	±10% drop איז איז ter counts over a 5-year period.
	T&E species adjacent to Forest or potential residents	UDWR and Fish & Wildlife Service population surveys and inventories	100%	M/M	Distrıct Ranger & Wildlıfe Staff	As sche∽ duled	As ıdentı- fıed	Positive identification of Forest occurrence.
	Plants on Forest listed as sensitive	Habitat and popula- tion inventories	100%	M/M	District Ranger & Wildlife Staff	To be deter~ mined at completion of inventory	requested	Any management activity affecting critical habitat.
C01	Validation of aquatic habi- tat quality.	R-4 GAWS Analysıs Habıtat Condition Index (HCI), lake surveys	As Needed	M/H	District Ranger & Wildlife Staff	10 Years	10 Years	When HCI drops below 42. When natural streambank stability drops below 80%. When BCI drops below 75.

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
D01	Range condition and trend.	Parker 3-step studies, nested frequency studies, R-4 Condition and Trend methods	As Needed o prescrib in AMP and 100% of areas in poor or very poor conditio	ed	District Ranger & Range Staff	As sche- duled	10 Years	Greater than 10% decline in acres by condition class or 10% increase in acres in downward trend within any allotment.
D01	Measurement of forage utilization for compliance with established standards, Standards in Allotment Management Plans (AMP), and Forest Plan.	Grazing impact studies, Forest Standards and Guidelines, Allotment Management Plans.	As per AMP schedule	M/M	Dıstrıct Ranger & Range Staff	Annually	Annually	When utilization deviates ±10% from levels set in Allotment Management Plans and/or use levels do no conform with those set specifically by Forest Standards and Guidelines.
D01	Quality of all projects associated with the imple- mentation of the AMP (if they are done to standards)	E.A., AMP, field inspections, ID team review	Projects on one Allot- ment per District per year		Dıstrıci Ranger & Range Staff	2 Years	2 Years	Lack of following R-4 procedures for follow-up on nonstructural projects and/or lack of any structural development meeting design standards.
D01	Adequacy of AMP's	Range inspections, permittee meeting, ID team review	10% per year	н/н	District Ranger & Range Staff	Annual	10 Years	Any variation from AMP objec- tives.
	RNA's							
	(Unauthorized) intrusions or alterations in established and proposed RNA's.	Transects, photo points. Establish data base where necessary	100%	H/M V-8	District Ranger & Watershed Staff	Annua I	Annua1-3 years	Each RNA evaluated separately. Annual measurement shows evi- dence of unauthorized intrusions 2nd indications shows continua- tion of unauthorized intrusions. Change may be triggered depending on severity, at any time during reporting.

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MIH Reference Code	Activity, Practice, or Effect to be Measur <u>ed</u> Timber	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Cfficial	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
E06	Harvest practices in reten- tion, partial retention, and areas affecting riparian areas.	Review of timber sale prescriptions, VQO, and wildlife objectives prior to and after projects.	20%	M/M	District Ranger Timber Staff	AnnuaT	Annua1	Violation of visual quality objectives. Riparian area damage.
£06	Timber Sale Schedule	Review 5-year sche- dule to ascertain that timber sales will be offered on schedule and volume will not exceed 10- year sale quantity.	100%	Н/М	District Ranger & Timber Staff	Annual	Annual	A 25% deviation annually or a 10% deviation in a 5-year period in timber volume offered or sold
E04	Accomplish site preparation within 2 years after logging and have adequate stocking within acceptable time period (as defined in the silvicul- tural prescription).	Silvicultural pres- cription, survival exams	100% of those being restocke	,	District Ranger & Timber Staff	Annua I	Annual	Regeneration does not meet restocking requirements as defined by silvicultural prescription by more than 3 years.
E06	Assure harvest will not pro- mote disease and insect increases.	Silvicultural pre- scriptions, survival and silvicultural exams, ground and aerial surveys, post sale reviews.	10%	M/H	District Ranger & Timber Staff	Annual	Annual	Unacceptable results of silvi- cultural/entomologist review.
E05	Timber stand improvement accomplishments.	Stocking surveys, accomplishment reports	100% of those scheaule for inventor	d	District Ranger & Timber Staff	Annua1	Annua1	Less than 75% accomplishment of scheduled TSI in 5 years, or less than 50% accomplishment per year. New research indicates spacing or guidelines are not optimal.

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MIH Reference Code	Activity, Practice, or Effect to be Measured Timber	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
E06	Check compliance of timber sale program to assure that estimates of effects to other resources (such as recreation, opening sizes in relation to wildlife, and economic efficiencies) were appropriate.	Sale reviews, EA's, sale contracts, permits.	l sale per District per year		District Rarger, Timber Staff & original I. Team	•	Annua 1	Sale reviews question validity of estimates of effects.
E04	Fuelwood consumption and supply	Determine supply by fuels inventories, and acres available; demand by permits issued, and public input.	100%	н/ м	District Ranger & Timber Staff	Annua 1	Annua1	Supply is not meeting demand, or projected supply will not meet demand within 10 years.
E07	Verify classification of suitable and unsuitable lands.	Examine lands during silvicultural exams, timber sale cruises, and inventories, to ground true capa- bilities.	10% of Forest	М/М	District Ranger & Timber Staff	Annually, concurrent with projects	10 Years	If over 10% of land was found to be incorrectly identified.
	Assure prescriptions are practical before contract preparation.	Environmental assess- ment, presale and administrative reviews, with reviews by economists and a transportation planne		м/н	Dıstrıct Ranger, Timber Staff	Annua 1	Annual	Unacceptable results of a team review.

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision/ Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or <u>Change in Ma</u> nagement Direction
	Timber Assure prescriptions are practical before contract preparation.	Environmental assess- ment, presale, and administrative reviews, with reviews by economists and a transportation planne		М/Н	District Ranger & Timber Staff	Annual	Annual	Unacceptable results of a team review.
<u></u>	Soil, Water and Air		······					
F09	Water yield increases.	Samples collected by Forest using flow measurements, grab samples, and DH-48 sediment samp- ler following USGS	Paired watershe stations 1) Brown Creek 2) No. F	6 17e	District Ranger & Watershed Staff	Grab samples taken daily May through June and once every	Annual	Violation of State Water Qua- lity Standards or a 20% increase in predicted sediment yield. A 20% change over 5 years
		Conductivity, sus- pended sediment, and turbidity will be analyzed by Utah Stat Health Laboratory.	Dry Fork and USGS gauges	(two weeks July through September. Automated samples con- tinuous.		from projected water yield.
F09	Changes in channel stability rating.	Stream Reach Inven- tory and channel stability evaluation.	Hıgh priorıty streams	M/M /	Dıstrict Ranger & Watershed Staff	Annual	Annua 1	Rating lowered to next sequen- tial classification as per R-4 standards.
F01	Cumulative sediment impacts and water yield augmenta- tion.	WRENSS hydrologic modeling	All proposed timber compart- ment env ronmenta assessme	- vi- al	District Ranger & Watershed Staff	Ongoing	Ongoing	Violation of State Water Qua- lity Standards or variation in water yield increases as stated in Forest Standards and Guide- lines

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or <u>Change in Management Direction</u>
F09	Soil, Water, and Air Water quality changes on the Vernal Municipal Watershed.	Grab samples taken to analyze bacteri- ological parameters, suspended sediment, and turbidity.	Two sta- tions 1) Dry Fork Sin 2) Ashle Spring	ks	District Ranger & Watershed Staff	3 times annually	AnnuaT	Violation of State Water Qua- lity Standards.
	Effectiveness of soil and water improvement projects.	Annual accomplish- ment reports. Photo points, field inspections, stanoard methods, EA and Project Plan, Land Treatment Handbook	100% of new projects (for 3- year projects contin- uously) and 20% per year over 3		District Ranger & Watershed Staff	Annual of those	Annua 1	Unacceptable deviation from EA or Project Plan Objectives.
	Project effectiveness for soil resource protection.	Project Reviews, EA's, contracts, permits.	years of 1 pro- ject per District per year	M/M	District Ranger & Watershed Staff	Annual	Annual	Project reviews question validity of soil protection measures or mitigation effects.
	Changes in soil productivity due to management activities:		Random- ly, on selected		District Ranger & Watershod	Ongoing	5 Years	15% increase in bulk density or 50% decrease in pore space.
	Compaction	areas. Bulk density	soil types to		Staff			20% loss of nutrients.
	Erosion	Erosion plots and transects	meet man agement objec-	-				
	Fertility	Fertility sampling	tives.					

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MIH Reference <u>Code</u>	Activity, Practice, or Effect to be Measured Soil, Water, and Air	Monitoring Techni- gue/Data Source	Sample Size	Expected Precision Reliability	Responsible Of <u>ficial</u>	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
	Progress made towards estab- lishing benchmark soils critical for management	Standard SCS methods and soil inventory	3 sam- ples/ bench- mark soll	H/M	Watershed Staff	Ongoing	Annual	Less than 40% accomplishment in 5-year period.
A12	Compliance with Utah and Wyoming State Air Quality Standards by Forest activities.	Visual observation, accepted techniques and methods. Wyo- ming and Utah State Air Standards.	100% of all acti ities affectin air-qual ity	v- 9	Fire Staff, or Staff responsible for activity & District Ranger	_	Any Violation	Violation of State Air Quality Standards and adverse public reactions.
290	Changes in air quality related values (AQRV's) from off-Forest sources.	Flaming Gorge NRA - visibility High Uintas Wilderness -macroinvertebrate studies zooplankton studies lichen studies water chemistry soil mapping precipitation chemist: visibility Rest of Forest - visibility	sentativ lakes or water- sheds ry		District Ranger & Soil/Water/ Air Staff	0ngo1ng	5 Years	AQRV's reduced beyond lymits of acceptable change.

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 $\underline{3}$ Limits will be established before first reporting period.

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
F09	Riparian Changes in riparian areas due to land management activities.	Sequential photo points, field obser- vation, Stream Reach Inventory, range con- dition classifica- tion, and EA's.	High priority riparian area ide tified i Forest Riparian Manageme Plan. A environm tal asse ments.	n n in int ill wen-	District Ranger & Watershed Staff	Annua I	AnnuaT	Violation of Forest Riparian Standards and Guidelines.
~ 	Minerals	<u> </u>			· · · · · · · · · · · · · · · · ·			
G06	Effectiveness of Lease Stip- ulations and Operating Plan requirements.	Field inspections, EA's, Operating Plans, Lease Stipulations	100% of Lease Operatin Plans.		Minerals Staff & District Ranger	Ongoing	Annual	Lease Stipulations and Operat- ing Plan requirements are found inadequate to meet resource protection needs.
G06	Effectiveness of Notices of Intent and Operating Plans for locatable operations.	Field inspections, EA's, NOI, and Operating Plans	100% of active cases	M/M	Minerals Staff & District Ranger	Ongoing	Annua 1	Operating plan requirements are found inadequate to meet resource protection needs.
<u> </u>	Protection - Fire							· ·
P02	Adequacy of fire prevention programs.	Measure of number of person-caused fires.	100%	н/н	Fire Staff	Annual	5 Years	20% increase in cumulative 5- year average.
P08	Number of wildfires, acres burned, and values affected.	Frequency by size, distribution, and intensity level, 5100-29 reports.	100%	H/H	Fire Staff	Annua 1	5 Years	20% increase in cumulative 5- year average in any of the factors.
P10	Reduce activities fuels to acceptable levels.	Field measurement after fuel treatment.	30% of projects	M/M 5	District Ranger & Fire Staff	Annual	5 Years	Exceeding fuel level guidelines by 10% or failure to make tar- gets.

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Sıze	Expected Precision Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
P35	Protection - Insect Disease Effectiveness of dwarf mistletoe suppression projects to protect regen- eration.	Field Reviews	Follow- up on projects		Timber Staff	Annual	5 Years	Infestation in precommercially thinned areas.
	Manage vegetation at devel- oped recreation sites and/or administrative sites and other high value sites to protect against Mountain Pine Beetle	Field Surveys	100%	н/н	District Ranger & Recreation & Lands Staff	Annua1	Annual	10% loss of dominate trees on site.
P24	Protection - Law Enforcement Law enforcement effective- ness.	Number of violations, resource damage, and failure to follow F.S. regulations.		H/H	District Ranger & Administra- tive Offiver	Annua l	Annual	10% increase in violations or resource damage.
e 	Lands							
J01	Compliance of energy trans- mission systems to the Con- struction, Operation, and Maintenance (COM) Plans.	Field inspections, EA, COM Plans	100%	H/H	District Ranger & Lands Staff	As needed on construc- tion Annual on mainte- nance	Annual	Any deviation from COM Plan requirements.
. J06	Effectiveness of property boundary posting and main- tenance	Field observations for encroachments and deficiencies identified during posting.	10% annual (of poste boundary)		District Ranger & Recreation & Lands Staft	Annua 1 F	10 years	Any deviation from R-4 Posting and Maintenance Standards.
J18	Adequacy of public access to National Forest Lands	Road & Trail Right- of-Way Acquisition Plan, public comments resource development needs, RPA Inventory	100% ,	н/н	District Ranger & Recreation & Lands Staft	Annual f	Annua 1	Failure to acquire 90% of planned acquisitions in a 5- year period.

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MIH Reference Code	Activity, Practice, or Effect to be Measured	Monitoring Techni- que/Data Source	Sample Size	Expected Precision Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
J10	Lands Occupancy Trespass	Observed violations and trespass reports 1981 Inventory	100%	H/M	District Ranger & Recreation & Lands Staf	Annual	Every 5th year	Number of occupancy trespasses unresolved exceeds the 1981 inventory
	Compliance with terms and conditions of all special use permits.	Field or office inspections, permits, EA's, Operating plans, design speci- fications, permittee records.	100% (as pre- scribed ın FSM 2700)	н/н	District Ranger & Recreation Staff	Annual	Annual	Any deviation from public health and safety requirements, and any lack of maintenance adversely affecting resource values.
	Facilities	···						
L2-18, 29	Road and bridge construction and reconstruction	Field review of EA's and aesign criteria	100% of new con- structic and 20% of recon structic or a who project.	-)n)n)le	District Ranger & Engineering Staff,	Annual	Annua]	Unacceptable results of an ID team review.
L19	Road maintenance	Road logs and condi- tion surveys. Annual maintenance inspec- tions.			Engineering Staff	Annual	5 Years	20% variation in any one year or 10% over a 5-year period.
L19	Effectiveness of road protec- tion methods	Road closure orders, permits, Travel Plan, and on-site inspec- tions.	20% Annually	H/M /	Engineering Staff	Annual	5 Years	Any failure of road closure method to prevent violations.
A07, E06, L25	Building Maintenance (Administrative)	Inspection Reports, Site Plans	100%	M/M	District Ranger	Annual	Annua 1	Failure to maintain buildings to prescribed standards.

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MIH Reference Code	Activity, Practice, or Effect to be Measured Facilities	Monitoring Techni- que/Data_Source	Sample <u>Sız</u> e	Expected Precision Reliability	Responsible Official	Measurement Frequency	Reporting Period	Variation Which Would Cause Further Evaluation and/or Change in Management Direction
<u> </u>	Effectiveness of roadway signing (including sign maintenance)	Sign Handbook, on-site inspection, Sign Plan, Accident Records, and public comments	33 1/3% /year	н/н —	District Ranger & Engineering Staff	3 Years	3 Years	A 15% deviation from sign plan and 5% increase in accidents. Forest-wide or significant increase by site. Any devia- tion from sign maintenance standards.
L-31	Potable Water	Lab analysis	100%	H/H	District Ranger & Engineering Staff	As per State and F.S. Stand- ards	Annua 1	Meeting less than State and F.S. requirements.
L28	Dam Safety Operation and Maintenance	Special Use Permit, Dam Handbook, Operati Plan, State require- ments, Inspections	100% ng	н/Н	District Ranger & Engineering Staff	As per State and F.S. requirements	Annual	Failure to meet maintenance and safety requirements with threshold limits in established time frames.
- <u></u>	Response of public to Forest Management	Socially Responsive Management (SRM) Techniques	100%	M/M	Socially Responsive Nanagement Coordinator	Continuous	Annual	When an emergency or existing issue becomes a disruptive issue.
	Accomplishment of funged yoals and cbjectives approved in the annual program of work.	Performance reviews. Agreed upon goals and objectives, Management Attain- ment Report	100%	н/н	District Ranger & Forest Staff	6 months	Annua 1	Less than agreed upon accom- plishment of goals and objec- tives.

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C. REVISION and AMENDMENT

The Forest Supervisor may change the schedule of Proposed Practices and Monitoring Plan to reflect differences between proposed annual budgets and appropriated funds. Such scheduled changes will be considered an amendment to the Forest Plan, but shall not be considered a significant amendment, or require the preparation of an environmental impact statement, unless the changes significantly alter the long-term relationship between levels of multiple-use goods and service projected under planned budget proposals as compared to those projected under actual appropriations.

The Forest Supervisor may amend the Forest Plan. Based on an analysis of the objectives, guidelines, and other contents of the Forest Plan, the Forest Supervisor shall determine whether a proposed amendment would result in a significant change in the Plan. If the change resulting from the proposed amendment is determined to be significant, the Forest Supervisor may implement the amendment following appropriate public notification and satisfactory completion of NEPA procedures.

A Forest Plan shall ordinarily be revised on a 10-year cycle or at least every 15 years. It also may be revised whenever the Forest Supervisor determines that conditions or demands in the area covered by the Plan have changed significantly or when changes in RPA policies, goals, or objectives would have a significant effect on forest level programs. In the monitoring and evaluation process, the interdisciplinary team may recommend a revision of the Forest Plan at anytime. Revisions are not effective until considered and approved in accordance with the requirements for the development and approval of the Forest Plan. The Forest Supervisor shall review the conditions on the land covered by the plan at least every 5 years to determine whether conditions or demands of the public have changed significantly.

This Forest Plan will be revised when necessary but no later than October 1, 2000.

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