

CHAPTER V IMPLEMENTATION OF THE FOREST PLAN

A. IMPLEMENTATION DIRECTION

1. Consistency with other Management Instruments

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

This Forest Land and Resource Management Plan replaces all previous management plans, except Range Allotment Management Plans. Subject to valid existing rights, all outstanding and future permits, contracts, cooperative agreements, and other instruments for occupancy and use of lands included in this Plan will be consistent with Plan direction by October 1, 1987.

2. Budget Proposals

The Forest Plan provides the management direction for developing multi-year implementation programs. The Plan's scheduled practices, shown in the Forest Action Schedule, are translated into multi-year program budget proposals which identify the needed expenditures. These 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. A summary of projected outputs, activities, benefits and costs projected for 50 years, assuming that Plan direction remains unchanged, is displayed in Table V-1.

3. Environmental Analysis

Future environmental analyses associated with the above processes will 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 analyses.

Projects and activities permitted within the Forest Plan will be subject to environmental analyses as they are planned for implementation. If the environmental analysis for a project shows that: (1) The management area prescription and standards can be complied with, and (2) Little or no environmental effects are expected beyond those identified and documented in the Forest Plan Final EIS, then the analysis will probably result in a categorical exclusion. A Decision Notice may be used to document the decision. 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.

TABLE V-1 IMPLEMENTATION OF THE FOREST PLAN DIRECTION

| OUTPUT/ACTIVITY | UNIT OF MEASURE PER YEAR | TIME PERIODS (DECADES) | | | | | | | |
|--|--------------------------|------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | 1986-1995 | 1996-2005 | 2006-2015 | 2016-2025 | 2026-2035 | 2036-2085 | 2086-2135 | 2136-2185 |
| <u>RECREATION ^{1/}</u> | | | | | | | | | |
| Wilderness Use (ROS I) | MRVD | 148 | 164 | 164 | 164 | 164 | | | |
| Dispersed Use (ROS II & III) | MRVD | 379 | 432 | 432 | 432 | 432 | | | |
| Developed Use (ROS IV) | MRVD | 110 | 124 | 124 | 124 | 124 | | | |
| <u>WILDERNESS</u> | | | | | | | | | |
| Management | M Acres | 782.2 | 942.2 | 942.2 | 942.2 | 942.2 | | | |
| <u>WILDLIFE AND FISH</u> | | | | | | | | | |
| Structural Habitat Improve. | Struct. | 19 | 19 | 19 | 19 | 19 | | | |
| Non-Struc. Habitat Improve. | Acres | 689 | 689 | 689 | 689 | 689 | | | |
| Anad. Fish Commercial | M # Lbs. | 157 | 317 | 478 | 640 | 711 | | | |
| Anadromous Fish Sport | M WFUD | 36.8 | 60.8 | 84.0 | 108.0 | 120.0 | | | |
| Coldwater Fish | M WFUD | 166.0 | 216.5 | 249.5 | 281.5 | 341.5 | | | |
| Wildlife Use | M WFUD | 86.0 | 107.2 | 129.8 | 160.0 | 191.0 | | | |
| Populations (Animal Years) | | | | | | | | | |
| Deer | M Animals | 24.6 | 32.5 | 40.0 | 49.5 | 59.9 | | | |
| Elk | M Animals | 5.5 | 7.0 | 8.3 | 8.6 | 8.7 | | | |
| Bighorn Sheep | M Animals | 1.0 | 1.7 | 2.5 | 3.2 | 4.0 | | | |
| Mountain Goat | M Animals | 0.6 | 0.7 | 0.8 | 0.9 | 1.0 | | | |
| Red Squirrel | M Acres | 342.0 | 341.7 | 333.3 | 331.1 | 325.9 | | | |
| <u>RANGE</u> | | | | | | | | | |
| Grazing Use (Livestock) | | | | | | | | | |
| Actual Use (Projected) | M AUM | 114 | 115 | 116 | 116 | 116 | | | |
| Permitted Use (Projected) | M AUM | 115 | 116 | 117 | 117 | 117 | | | |
| <u>TIMBER</u> | | | | | | | | | |
| Allowable Sale Quantities | MMCF | 0.7 | 0.9 | 1.1 | 1.3 | 1.6 | 2.2 | 2.2 | 2.2 |
| | MMBF | 3.0 | 4.0 | 5.0 | 6.0 | 7.0 | 10.0 | 10.0 | 10.0 |
| Roundwood Products ^{2/} | MMCF | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 | 0.02 |
| | MMBF | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| Reforestation | Acres | 653 | 867 | 913 | 1123 | 1217 | 1776 | 1149 | 1297 |
| Timber Stand Improvement ^{3/} | Acres | 69 | 114 | 151 | 189 | 227 | 379 | 379 | 379 |
| Fuelwood (Dead & Green) | MCF | 500 | 500 | 500 | 500 | 500 | 500 | 500 | 500 |
| <u>SOIL AND WATER</u> | | | | | | | | | |
| Meets or Exceeds State Stds | M Ac Ft | 2463 | 2463 | 2463 | 2463 | 2463 | | | |
| Meets Water Quality Goals ^{3/} | M Ac Ft | 2365 | 2365 | 2365 | 2463 | 2463 | | | |
| Soil & Water Resource Imp. | Acres | 120 | 80 | 10 | 10 | 10 | | | |
| <u>MINERALS</u> | | | | | | | | | |
| Leases | No. Leases | 149 | 190 | 190 | 190 | 190 | | | |
| <u>HUMAN RESOURCE PROGRAMS</u> | | | | | | | | | |
| | Pers. Yrs. | 17 | 17 | 17 | 17 | 17 | | | |
| <u>FACILITIES</u> | | | | | | | | | |
| Trail Const/Reconstruction | Miles | 6 | 6 | 6 | 6 | 6 | | | |
| Road Reconstruction (Arterial & Collector) | Miles | 10.8 | 16.2 | 8.1 | 0.9 | 0.9 | | | |
| Local Road Construction ^{4/} | Miles | 1 | 1 | 1 | 0 | 0 | | | |
| Local Road Reconstruction | Miles | 1.4 | 2.6 | 1.3 | 0.8 | 0.8 | | | |
| Timber Purch. Road Constr. | Miles | 3.2 | 0.9 | 1.6 | 4.2 | 5.8 | | | |
| Timber Purch. Road Reconstr. | Miles | 1.8 | 2.0 | 2.0 | 2.0 | 2.0 | | | |

^{1/} Recreation Outputs are not duplicated within the ROS Classes.
(ROS - Recreation Opportunity Spectrum)

^{2/} Incidental amounts of roundwood products that may be offered dependent upon demand. These volumes are not included in the allowable sale quantity.

^{3/} Forest water quality goals, which exceed State water quality standards consist of not exceeding total depth fines of 30%.

^{4/} Fuelwood roads.

^{5/} Timber stand improvement through PM funding is anticipated to be not cost-effective in out-years.

TABLE V-1 IMPLEMENTATION OF THE FOREST PLAN DIRECTION
(CONTINUED)

| BENEFITS | UNIT OF MEASURE PER YEAR | TIME PERIODS (DECADES) | | | | | 2036- 2085 | 2086- 2135 | 2136- 2185 |
|-----------------------|--------------------------------|------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| | | 1986- 1995 | 1996- 2005 | 2006- 2015 | 2016- 2025 | 2026- 2035 | | | |
| Wilderness Recreation | M \$ | 1569 | 1738 | 1738 | 1738 | 1738 | | | |
| Dispersed Recreation | M \$ | 1512 | 1724 | 1724 | 1724 | 1724 | | | |
| Developed Recreation | M \$ | 439 | 457 | 495 | 495 | 495 | | | |
| Wildlife | M \$ | 2459 | 3065 | 3711 | 4574 | 5461 | | | |
| Anad. Fish Commercial | M \$ | 385 | 777 | 1171 | 1568 | 1742 | | | |
| Anadromous Fish Sport | M \$ | 2631 | 4347 | 6006 | 7722 | 8580 | | | |
| Coldwater Fish | M \$ | 3270 | 4265 | 4915 | 5546 | 6728 | | | |
| Range | M \$ | 1596 | 1610 | 1624 | 1624 | 1624 | | | |
| Timber | M \$ | 1068 | 1446 | 1802 | 2158 | 2515 | 3578 | 3123 | 3012 |
| Minerals | M \$ | 395 | 498 | 498 | 498 | 498 | | | |

| COSTS | UNIT OF MEASURE PER YEAR | TIME PERIODS (DECADES) | | | | |
|--------------------------|--------------------------------|------------------------|------|------|------|------|
| | | 1 | 2 | 3 | 4 | 5 |
| Total Forest Budget | M \$ | 4410 | 4400 | 4360 | 4230 | 4240 |
| Fixed Costs: | | | | | | |
| Protection | M \$ | 589 | 589 | 589 | 589 | 589 |
| GA | M \$ | 750 | 750 | 750 | 750 | 750 |
| Variable Costs: | | | | | | |
| Investment Costs | | | | | | |
| Timber Roads | M \$ | 48 | 76 | 160 | 186 | 322 |
| Other Roads | M \$ | 330 | 330 | 270 | 130 | 130 |
| Investment Other | M \$ | 608 | 600 | 645 | 697 | 746 |
| Total Investment | M \$ | 986 | 1006 | 1075 | 1013 | 1198 |
| Operational Costs | M \$ | 2216 | 2241 | 2229 | 2236 | 2236 |
| Non-Forest Service Costs | M \$ | 733 | 981 | 1226 | 1471 | 1716 |
| Returns to Treasury | M \$ | 828 | 1036 | 1151 | 1264 | 1378 |

The following types are examples of projects that can use categorical exclusions if no significant issues and concerns are identified:

| | |
|--|-----------------------------------|
| Fences | Recreation events |
| Waterlines | Transplant wildlife and fish into |
| Water troughs and pond | historical range |
| Prescribed burns | Small post and pole sales |
| Reconstruction and maintenance | Small sales (Ranger Sales) |
| Of facilities | Small mining operations |
| Vegetation treatment (excluding herbicide treatment) | |

B. MONITORING AND EVALUATION PROGRAM

This monitoring and evaluation plan is designed to provide feedback to Forest Managers. It will provide Forest managers with information primarily on plan implementation and the effects of implementation.

More specifically, this plan will determine:

- If the Forest is achieving the goals and objectives of the plan.
- 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 implementation of the plan and work force needed is as predicted.
- If the 'Best Management Practices' are effective.
- If the sediment values are as the sediment modal predicted.
- What changes need to occur if tolerance limits are exceeded.

The monitoring plan comprises the following components:

1. MIH Code – the numerical identifier of the item to be monitored.
2. 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. (a) Expected precision – the accuracy of exactness with which data is collected. Precision is qualitatively rated as high, moderate or low.
(b) Expected reliability – a measure of how accurately the monitoring reflects the situation. A qualitative and class system is used to rate reliability (high, moderate, low).

5. Measurement frequency – the schedules of samples stated in parts of year(s). This includes some measure of sample size or number.
6. Reporting period – the recurring interval between reports summarizing monitoring results for a particular activity or practice. The sampling period should be long enough to capture conditions, trends, or changes.
7. Variation which would initiate further evaluation – a statement describing the tolerance limits within which actual performance can vary from predicted performance. When these limits are exceeded, further evaluation is triggered.

MONITORING AND EVALUATION PROGRAM

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/ Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|------------------------------------|---|--|---------------------------------------|--------------------------|---------------------|---|
| <u>Developed Recreation-Public</u> | | | | | | |
| A02 | Facility capacity-(whether construction & reconstruc- tion of facilities is keeping pace with demand) | PAOT, PAOT-Days | H/H | Annual | 5-Year | PAOT and PAOT Days greater than or equal to 90% of of projected demand |
| A07 | Condition of facilities - (whether the condition of developed facilities is declining from the current situation) | Annual RIM Reports-Total \$ needed to bring facilities to Condition Class I | H/M | Bi-annual | 5-Year | Five year average exceeds 1982 by 10% after 1990 |
| A07 | Soil and vegetation loss at developed sites | Transects photo points at selected key sites | H/M | 5-Year | 5-Year | Campsite condition below Class III using the Limits of Acceptable Change process |
| A07 | Developed site use [amount & distribution (does demand exceed supply?)] | Double sample indicator sites. Random sample all fee sites | M/M | Annual | Annual | Use of an individual site ex- ceeds 60% of theoretical capacity for the summer season or daily use exceeds capacity on more than 5% of the days in summer season. The 5-year average developed site use for the Forest varies from projected demand by more than 20% |

(The monitoring of recreation budgets are reflected in the amount of service provided and recreation facilities re-constructed in items above.)

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/ Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|-----------------------------|--|--|---------------------------------------|--------------------------|---------------------|---|
| <u>Dispersed Recreation</u> | | | | | | |
| A02 | Site Condition | Limits of Change- Photo points, key transects, key sites adjacent to water | H/M | 5-Years | 5-Years | Campsite condition below Class III using the Limits of Acceptable Change process |
| A02 | Trail Condition | Trail condition Surveys | M/M | 10% Ann. | 10-Years | Trail mileage classed as in- adequate (substandard) exceeds the current inadequate mileage shown in the AMS |
| A08 | Dispersed Visitor Use (summer & winter) | Road counters Parking lot counts Trail counters Annual RIM Reports | L/L | Annual | 5-Year | Visitor use varies from pro- jected demand by greater than 20% |
| A01 | Off-Road Vehicle Travel | Acres needing re- habilitation. | L/M | 5-Years | 5-Years | Acres increase by 10% over last inventory |
| <u>Cultural Resources</u> | | | | | | |
| A03 | Completion of cultural resource surveys for all ground-disturbing projects. | Management Review | H/H | Annual | Annual | We expect 100% compliance with management direction. Failure to comply is a performance problem and does not indicate a need to change management direction. |

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/ Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------------|---|---|---------------------------------------|--------------------------|---------------------|---|
| <u>Visual Resource</u> | | | | | | |
| A02 | Compliance with Visual Quality Objectives | Evaluate one retention or partial retention route. | H/M | Annual | Annual | Corridor contains more than 10% of project which does not conform to the visual quality objective. |
| | | Evaluate a minimum of two or 10% whichever is more of previous years projects. Selection at random from list of previous years completed projects | | | | More than one sampled project does not meet VQO in a given year, or one or more projects in two successive years does not meet VQO. |
| <u>Wilderness</u> | | | | | | |
| B03 | Condition of campsites and surrounding area. | Limits of Change at key sites. | H/M | 5-Years | 5-Years | Limit of change analysis shows that the condition class has declined one class on 25% of inventoried sites. |
| B03 | Amount and distribution of human use. | Visitor Registra- tion, trail count- ers & trailhead counts with periodic intensive sample verification. | L/M | Annual | Annual | Level of human use adversely impacts wilderness resource. |

| MTH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------|---|---|--------------------------------|-----------------------|------------------|---|
| Fish and Wildlife | | | | | | |
| C01 | MIS population trends | Annual F&G herd counts & harvest reports for big game and electroshocking, redd counts, and creel census for fish (Data provided by Idaho Fish & Game Dept). | M/M | Annual | 5-Years | 10-15% change in population level due to change in habitat on National Forest System lands. |
| C01 | MIS habitat conditions a. Big game Elk Mule Deer Bighorn sheep Mountain goat | Measure trends in quality & quantity of habitat on key seasonal ranges (i.e., cover/forage ratios, forage production & vigor; miles of open roads, security areas). | L/L | 5-years | 10-Years | Decline in habitat conditions on 10% of Management Area. |
| | b. Plant Animal Community Association | Update and calculate acres changed. | | Annual | 8-Years | 20% change in habitat |
| | c. Red squirrel | Monitor total old growth through a timber base data following Standards and Guidelines. | L/L | Annual | 5-Years | Less than 10% in old growth retained in each Management area |
| | d. Gray wolf | Gray wolf sightings, F&G trend counts for prey species, habitat monitoring following Recovery Plan; co-ordinate with F&WLS. | L/L | Annual | Annual | Any documented change in current status |
| | e. Bald eagle | Co-op. winter and spring counts with F&W Service. | H/H | Annual | Annual | Any documented change in current status |
| | f. Aquatic | Stream channel stability and GAWS surveys, riparian vegetation conditions, Valley Bottom Inventory, water and sediment sampling. Develop monitoring in AMPs. | M/M | Annual | Annual | 10% change (or as stated in Standards & Guidelines). |

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------|--|--|--------------------------------|---|--|--|
| C01 | Habitat Diversity | Vegetation data base by PWI watershed. | L/L | 5-years | 10-Years | Data gathered in a.b.c. above. |
| C01 | Habitat Improvement Accomplishment (includes cost analysis) | Attainment and Wildlife Reports | M/M | Annual | Annual | 10% change planned program. |
| Range | | | | | | |
| D07 | Condition and trend of vegetative types including riparian areas. | Measurement of plant composition and vigor, ground cover and soil stability. | M/M | According to approved Allot. Mgmt. Plan | According to approved Allot. Mgt. Plan | If trend is down or if condition is poor and trend is static. |
| D07 | Measurement of forage utilization for compliance with established standards in allotments. | Grazing impact studies | H/M | by priority of allotments | Annual | Forage utilization exceeds allowable use by 10% |
| Timber | | | | | | |
| 436 | Adequate restocking of lands within 5 years of final harvest. | Silvicultural Exam | H/H | 5th Year | Annual | 5th year Stocking Standards |
| | Maximum size of opening created by clearcuttings. | Review of timber sale maps. | H/H | Project Basis | 10-Year | Clearcut sizes either restrict timber practices or adversely effect visuals or other re-source values. |
| E02 | Harvest practices in retention, partial retention and riparian areas. | Review of timber sale prescriptions and post sale surveys | M/M | As needed on project basis. | 10-Year | Violation of visual quality objectives or riparian area damage. |

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected | | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------------|--|---|---------------------------|-----|---|---|---|
| | | | Precision/ Reliability | H/M | | | |
| E06 | Timber Sale Action Program | Review 5-year Action Plan to ascertain that timber sales will be offered on schedule and volume will not exceed 10-year sale quantity. | | H/M | Annual | Annual | Timber sales are not progressing as scheduled or annual volume is not being offered or sold if offered. |
| E03 E04 | Reforestation and timber stand improvement accomplishment. | Review of T.S.I. and reforestation accomplishment reports. | | H/H | Annual | Annual | Failure to meet targets or accomplish KV needs in timber sale plans. |
| | Fuelwood consumption and supply. | Determine supply by fuels inventories, and acres available; demand by permits issued. | | H/M | On project basis | Annual | Supply is not meeting or projected supply not to meet demand within 10 years. |
| E07 | Verify classification of suitable and unsuitable lands. | Examine lands during silvicultural exams, timber sale and inventories. | | M/M | On project basis or prior to Forest Plan update | 10 yr. or Forest Plan up- date | If over 10% of suitable land was found to be incorrectly identified. |

V-11

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------|---|---|--------------------------------|--|------------------|--|
| <u>Soils</u> | | | | | | |
| 291 | Soil erosion losses. | Prescribed standard use of soil erosion bridges. | H/M | By project | Annual | Exceeding "T" soil loss tolerance levels evaluation. |
| 291 | Soil compaction | Prescribed standard use of bulk density estimations and soil moisture regimes. | H/H | Whenever deemed necessary | Annual | Detrimental soil compaction levels. |
| <u>Water</u> | | | | | | |
| 292 | Changes in water quality due to land management activities, monitoring or representative best management practices in range, timber, recreation and minerals. | Chemical, physical and biological grab samples | M/M | Refer to approved Forest Water Quality Monitoring Plan | Annual | Deviation from Forest water quality or State water quality standards. |
| 292 | Sediment measurements to substantiate delivery coefficients applied in the Forest Plan and verification of instream flow quantification techniques. | Suspended sediment bedload sampling techniques in conjunction with flow measurements in priority streams. | M/M | Continuous hydrograph dependent | Annual | Significant differences from predicted estimates. |
| 292 | Ensure minimum instream flows are met on diversions. | Stream gaging | H/M | Continuous hydrograph dependent | Annual | Does not meet established minimum. |
| 292 | Changes in riparian areas due to users and management activities. | Sequential photo points and site analysis to include channel cross-sections. | M/L | On selected stream reaches | Annual | Significant change in stream channel stability rating, channel geometry, and/or riparian vegetation. |

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/ Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------------|---|---|---------------------------------------|--------------------------|---------------------|---|
| <u>Air Quality</u> | | | | | | |
| 290 | Effects of atmospheric pollutants to natural eco- systems. | Standard methods | M/M | As needed | Annual | Significant change in pH of high alpine lakes draining granitic watersheds. |
| 290 | Whether Idaho State Air Quality Guidelines and Standards are met. | Compliance with weather forecast, burning index and visual observation of smoke dispersal as specified by the State of Idaho. | M/M | As needed | Any violation | Adverse public reaction or setting of smoke into in- habited areas. |

Minerals

| | | | | | | |
|-----|--|--|-----|--------|--------|--|
| G04 | Lease applications | Inventory backlog | H/H | Annual | Annual | Once current backlog is re- moved, any lease application on which no action is initiated within 3 months. |
| G06 | Lease stipulations and forms, and locatable operating plan require- ments | Evaluate adequacy of lease and operating plan requirements | M/M | Annual | Annual | Lease and operating plan requirements are found in- adequate to meet multiple resource needs. |

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/ Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------------|--|--|---------------------------------------|---------------------------|---------------------|--|
| <u>Facilities</u> | | | | | | |
| L2-18, 29 | Road and bridge construction and reconstruction. | Accomplishment | H/H | Annual | 5-Year | A 10% deviation from projected quantities. |
| L19 | Road maintenance | Road logs & condition surveys | H/H | Continuous | 5-Year | A 20% deviation from expected miles/year or a road condition not meeting objectives of management. |
| L24/25 | Buildings | Inspection reports | M/M | Annual | 5-Year | Identified deficiencies are not corrected. |
| L28 | Dam Administration | Inspections | M/M | Annual | Annual | Identified deficiencies are not corrected. |
| L25 | Water Systems | Bacteriological/Chemical and Sanitary Survey | H/H | Monthly during system use | Monthly | Not meeting safe drinking water standards. |
| <u>Protection - Fire</u> | | | | | | |
| P02 | Fire prevention program | Number of human-caused fires and acres burned. | H/H | Annual | 5-Years | 20% increase in cumulative 5 year average. |
| P08 | Fire suppression program | Frequency of wild fire occurrence by size, distribution, intensity level and acres burned. | H/H | Annual | 5-Years | 30% increase cumulative 5 year average in any of the factors. |
| P10 | Reduction of fuel loading from activity created fuels. | Field measurements after activity or fuel treatment. | M/M | Sample 30% of projects | 5-Years | + or - 20% of Regional minimum fuel treatment standards |

| MIH Reference Code | Activity, Practice or Effect to be Measured | Monitoring Technique | Expected Precision/ Reliability | Measurement Frequency | Reporting Period | Variation Which Causes Further Evaluation and/or Change in Mgmt. Direction |
|--------------------------|---|---|---------------------------------------|--|---------------------|--|
| Lands | | | | | | |
| J10 | Occupancy Trespass | Number of Trespass Reports | H/M | Annually | Every 5th year | Number of occupancy trespasses unresolved exceeds the 1981 inventory. |
| J18 | Road and Trail Rights-of- Way Acquisitions | Management Attainment Report-Item 34 | H/H | Annually | Every 2nd year | If accomplishment in the first six years is less than 50% of the plan's program, evaluate the program. If adjustments are required, place them in the next plan period. |
| | Number of person years to implement planned direction. | Compare actual to predicted in Forest Plan | 10% | Annual | 5-Years | Actual count at end of year deviates from predicted by 10% of more. |
| | Dollars returned to Treasury. | Use payments to counties report | 10% | Annual | 5-Years | Total receipts deviates by 10%. |
| | Monitor accomplishment of funded goals and objectives approved in the annual program of work. | Performance re- view | 90% | 6 Month Accom- plish- ment of agreed on goals and objectives at year end. | Annual | Failure to meet targets which we report on. |
| F09 | ID Team to monitor 10% of the projects on the Forest to determine the effect of the Best Management Practices. | compare acceptable limits and State Water Quality Standards. | M/M | Annual | Annual | A variation will require modi- fication of BMP's used on the Forest. |

Abbreviated as: H = High, M = Moderate, L = Low
Precision is the exactness or accuracy of the data
collected. Reliability is the degree to which the
monitoring accuracy reflects the total Forest situation.

C. REVISION AND AMENDMENT

Various factors may trigger the need to change the Forest Land and Resource Management plan. In this even, a Forest Supervisor must determine the significance of the change. Some changes might be considered significant, such as those having an “across-the-board” effect on the entire Plan, while others may not be significant, such as changes in implementation schedules necessitated by appropriation actions. When a significant change needs to be made to the Plan, the Forest Supervisor must prepare an amendment.

The Forest Supervisor or Regional Forester might amend a plan in order to make changes resulting from such actions as resolution of administrative appeals, budget actions as resolution of administrative appeals, budget actions, externally proposed actions, the results of monitoring, or planning errors. The National Forest Management Act requires plans be revised at least every 15 years or when conditions have changed significantly.

The Regional Forester is responsible for approving significant amendments. The Chief of the Forest Service reserves the authority to approve schedules for revising Forest plans because the Forest Service needs to assure that Regions take a consistent approach as well as managing the costs of revising the plans Service-wide.

The Forest Plan has costs projected over a 10 year period that are within the given constraints. These costs are necessary to meet the goals and objectives of the Plan. After the Forest Plan is approved, the Forest will submit annual budgets based upon the Plan. These are prepared and submitted for review at higher levels, approximately 18 months in advance of the fiscal year in which the funds are needed. When the actual budget is received, the Forest Supervisor will review the budget level and determine if it will achieve the implementation schedule originally shown in the Forest Plan. If there are differences between the appropriated funds and the planned costs of achieving the Forest Plan, the Forest Supervisor may adjust the implementation schedule (1/). Such adjustments will be considered as an amendment to the Forest Plan not requiring the preparation of a new EIS.

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 shall follow the same procedure as that required for development and approval of a Forest Plan. If the change resulting from the amendment is determined not to be significant for the purposes of the planning process, the Forest Supervisor may implement the amendment, following appropriate public notification and satisfactory completion of NEPA procedures.

(1/) Adjustments in the schedule will impact the intensity or degree of management rather than the number of acres of units treated. The areas scheduled to produce goods and services will not change, rather the amount of goods and services produced will change.

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 of Forest level programs. In the monitoring and evaluation process, an interdisciplinary team may recommend a revision of the Forest Plan at any time. Revisions are not effective until considered and approved in accordance with the requirements for the development and approval of a Forest Plan. The Forest Supervisor shall review the conditions on the land covered by the plan at least every five years to determine whether conditions of demands of the public have changed significantly.

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

Chapter VI

Appendices

Appendix A: Priority of Forest Instream Flow Quantification Needs

Appendix B: Range FRES Strategy and Outputs

Appendix C: Management Indicator Species Population Objectives

Appendix D: Withdrawal Review Schedule

Appendix E: Procedure for Processing Oil and Gas Lease Applications

APPENDIX A
PRIORITY OF FOREST INSTREAM FLOW QUANTIFICATION NEEDS

| <u>Priority</u> | <u>Watershed</u> | <u>District</u> |
|-----------------|--|-----------------|
| 1 | Marsh Creek | Yankee Fork |
| 2 | Valley Creek | Yankee Fork |
| 3 | East Fork Big Lost 1/ | Lost River |
| 4 | Wet Creek 1/ | Lost River |
| 5 | Antelope Creek 1/ | Lost River |
| 6 | North Fork Big Lost 1/ | Lost River |
| 7 | Lower East Fork Big Lost (Porphyry) 1/ | Lost River |
| 8 | Wildhorse Creek 1/ | Lost River |
| 9 | West Fork Big Lost 1/ | Lost River |
| 10 | Alder Creek 1/ | Lost River |
| 11 | Little Lost River (Fairview) 1/ | Lost River |
| 12 | Dry/Long Lost (Taylor) 1/ | Lost River |
| 13 | Badger Bell Mountain (Clyde) 1/ | Lost River |
| 14 | Pass Creek/Wet Creek 1/ | Lost River |
| 15 | Uncle Ike, North Creek 1/ | Lost River |
| | South Creek (Fallert) 1/ | |
| 16 | Bartlett Creek | Lost River |
| 17 | Van Dorn | Lost River |
| 18 | Basin Creek | Yankee Fork |
| 19 | Yankee Fork | Yankee Fork |
| 20 | West Fork Yankee Fork | Yankee Fork |
| 21 | Herd Creek | Yankee Fork |
| 22 | Garden Creek | Challis |
| 23 | Beaver Creek | Yankee Fork |
| 24 | Knapp Creek | Yankee Fork |
| 25 | Cape Horn | Yankee Fork |
| 26 | Squaw Creek | Yankee Fork |
| 27 | Thompson Creek | Yankee Fork |
| 28 | Morgan Creek | Challis |
| 29 | Upper Camas Creek | Challis |
| 30 | Rapid River | Middle Fork |
| 31 | Upper Loon Creek | Yankee Fork |
| 32 | Mayfield Creek | Yankee Fork |
| 33 | Loon Creek | Yankee Fork |
| 34 | Challis Creek | Challis |
| 35 | Bayhorse | Yankee Fork |
| 36 | Thomas Creek | Middle Fork |
| 37 | Little Pistol Creek | Middle Fork |
| 38 | Pistol Creek | Middle Fork |
| 39 | Indian Creek | Middle Fork |
| 40 | Soldier Creek | Middle Fork |
| 41 | Elkhorn Creek | Middle Fork |
| 42 | Boundary Creek | Middle Fork |
| 43 | Marble Creek | Middle Fork |
| 44 | Norton Creek | Middle Fork |
| 45 | Little Loon (Little Creek) | Middle Fork |

| | | |
|----|---------------------------------|---------|
| 46 | Patterson Creek 2/ | Challis |
| 47 | Grouse Creek 2/ | Challis |
| 48 | Big Creek 2/ | Challis |
| 49 | Mahogany Creek 2/ | Challis |
| 50 | Burnt Creek/Upper Pahsimeroi 2/ | Challis |
| 51 | Trail Creek 2/ | Challis |
| 52 | Morse/Little Morgan (May) 2/ | Challis |
| 53 | Falls Creek 2/ | Challis |

1/ The Little Lost River and Big Lost River drainages are given a higher priority, relative to anadromous fishery streams, due to the Snake River Adjudication. The procedure will be to adjudicate the upper reaches of the Snake River Basin first and then proceed downstream.

2/ Tributaries of the Pahsimeroi River were quantified as a result of multiple FERC (Federal Energy Regulatory Commission) applications in the are.

APPENDIX B

RANGE FRES STRATEGY AND OUTPUTS

| Allotment Name & Type of Livestock | FRES LEVELS 1/ Current Proposed | | AUMS | Potential for Increase | Allot. Plan Year | | Prepare or Update | Management Area(s) |
|---------------------------------------|------------------------------------|---|-----------|------------------------------|---------------------|--|-------------------------|-----------------------|
| | | | Permitted | | Year Written | | | |
| Alder Creek (c) | D | D | 3082 | | 78 | | | 18 |
| Antelope (c) | C | D | 4406 | | 81 | | 93 | 25 |
| Arco Pass (c) | C | D | 2235 | X | 81 | | 93 | 12, 15 |
| Arentson Gulch (c) | B | C | 490 | X | 68 | | 86 | 17 |
| Basin Creek (c) | C | C | 178 | | | | 90 | 5 |
| Bell Mountain (c) | C | C | 264 | | 82 | | | 14 |
| Big Creek (c) | C | C | 139 | | 79 | | | 20 |
| Boone Creek (c) | D | D | 7650 | | 78 | | 87 | 11, 18 |
| Bowery Creek (c) | C | C | 440 | | 76 | | 91 | 7 |
| Briggs Canyon (c) | B | C | 303 | X | | | 86 | 15 |
| Broad Canyon (c) | D | D | 799 | | 71 | | 89 | 11 |
| Bull Trout (s) | C | C | 519 | | 74 | | | 3 |
| Burnt Creek (c) | B | C | 45 | | | | 87 | 16 |
| Cape Horn (s) | C | C | 3138 | | 73 | | 88 | 3, 4 |
| Cedarville-Jumpoff (s) | B | C | 759 | | | | 90 | 14 |
| Challis Creek (c) | C | D | 846 | X | 81 | | | 21 |
| Cherry Creek (c) | C | D | 3433 | | 80 | | 94 | 25 |
| Copper Basin (c) | D | D | 15876 | | 67 | | 89 | 11, 18 |
| Cow Creek (c) | C | C | 1573 | | 67 | | | 20 |
| Crows Nest (c) | B | C | 80 | | 68 | | | 16 |
| Dry Creek (s) | C | C | 450 | | | | 87 | 16 |
| Dry Fork (c) | B | C | 232 | | | | 87 | 25 |
| East Pass Creek (s) | B | C | 600 | | | | 88 | 7 |
| Eastside (c) | B | C | 264 | X | | | 87 | 14 |
| Eddy Creek (c) | C | C | 1056 | | 80 | | | 1, 21 |
| Fish Creek (s) | C | C | 940 | | | | 88 | 25 |
| Flat Iron (s) | C | C | 490 | | | | 88 | 20 |
| Garden Creek (c) | C | D | 1552 | | 74 | | 87 | 6, 9, 13, 21 |
| Herd Creek (c) | D | D | 2393 | X | 75 | | 90 | 7 |
| Horse Creek (c) | C | D | 153 | | 82 | | | 14 |
| Howe (s) | B | C | 180 | | | | 89 | 12 |
| Hurst Canyon (s) | C | C | 1296 | | | | 89 | 25 |
| Lawson Creek (c) | D | D | 3411 | X | 75 | | | 19 |
| Leadbelt (c) | D | D | 3972 | | 68 | | 92 | 25 |
| Lime Gulch (c) | D | D | 1577 | X | 85 | | | 19 |
| Little Basin Creek (c) | C | C | 211 | | 73 | | 93 | 5 |
| Little Morgan Cr. (c) | B | C | 323 | | | | 88 | 20 |
| Long Lost (s) | C | C | 432 | | | | 87 | 16 |
| Loon Creek (c) | C | C | 401 | | 75 | | | 1 |
| Lower Cedar (c) | B | C | 160 | | 68 | | 89 | 16 |
| Mahogany (c) | C | C | 22 | | 85 | | | 20 |
| Marco Creek (c) | C | D | 57 | | | | 89 | 7 |
| Marsh Canyon (c) | B | C | 112 | | 68 | | 90 | 25 |
| Meadow Creek (c) | B | C | 301 | | | | 86 | 13 |
| Mill Creek (c) | D | D | 2513 | | 77 | | 94 | 22 |
| Morgan Creek/Prairie Basin (c) | D | D | 7628 | X | 72 | | 89 | 21 |
| Muldoon (s) | C | C | 572 | | | | 89 | 11 |
| North Fork (s) | C | C | 964 | | | | 88 | 11 |
| Pahsimeroi (c) | D | D | 3351 | X | 69 | | | 16, 17 |
| Park Creek (c) | B | C | 544 | X | | | 88 | 11 |
| Pass Creek (c) | D | D | 7314 | | 76 | | 88 | 15, 16 |
| Peach Creek (c) | C | C | 226 | | 69 | | 90 | 6 |
| Pine Creek (c) | C | D | 483 | | 69 | | 91 | 7 |
| Ramshorn (c) | B | C | 132 | | | | 91 | 15 |
| Rock Springs (s) | B | C | 316 | X | | | 88 | 17, 19 |
| San Felipe (c) | C | C | 379 | | 82 | | 90 | 17, 19 |
| Sawmill Canyon (c) | B | C | 180 | | | | 91 | 25 |
| South Unit Little Lost (c) | B | C | 275 | X | | | 87 | 14 |
| South Creek (s) | B | C | 582 | | | | 87 | 14 |
| Spring Gulch (c) | B | C | 198 | | | | 87 | 20 |
| Spud Creek (c) | C | D | 310 | X | 82 | | 87 | 7 |
| Squaw Creek (c) | D | D | 2851 | | 67 | | 89 | 9, 10 |
| Stanley Basin (c) | C | C | 450 | | 72 | | | 3 |
| Stoddard Canyon (c) | B | C | 63 | X | | | 91 | 25 |
| Sulphur Creek (c) | C | D | 1851 | X | 76 | | | 19 |
| Summerhouse (c) | B | C | 158 | X | | | 87 | 22 |
| Thompson Creek (c) | C | C | 224 | | 81 | | 92 | 8 |
| Trail Creek (s) | C | C | 755 | | | | 88 | 25 |
| Upper Pahsimeroi (c) | B | C | 1129 | | | | 86 | 16 |
| Warm Springs (c) | C | C | 58 | | 81 | | | 19 |
| West Camas Creek (c) | B | C | 287 | | | | 88 | 1 |
| Westside (c) | B | C | 356 | | | | 86 | 15 |
| Wildhorse (c) | D | D | 10547 | X | 70 | | 90 | 11, 18 |
| Williams Creek (c) | C | C | 238 | | 82 | | | 14 |
| Willow Creek (c) | B | C | 576 | X | 71 | | 87 | 16, 17 |
| Wino Basin (c) | B | C | 1320 | | 85 | | | 17, 19 |

1/ B Environmental management with livestock at a stewardship level.

C Extensive management of environment and livestock.

D Intensive management of environment and livestock.

More detailed definitions are provided in the EIS glossary (EIS, Chapter VII).

APPENDIX C
MANAGEMENT INDICATOR SPECIES POPULATION OBJECTIVES

| Management Zones | Elk Years 1990-2010 | Mule Deer Years 1990-2010 | Bighorn Sheep Years 1990-2010 | Mountain Goat Years 1990-2010 |
|---------------------|---------------------------|---------------------------------|-------------------------------------|-------------------------------------|
| 1 | 1756-2966 | 7354-21,003 | 156-343 | 70-120 |
| 2 | 196-254 | 326-423 | 0-30 | 26-34 |
| 3 | 260-254 | 716-1209 | 24-23 | 0 |
| 4 | 52-63 | 170-378 | 0 | 0 |
| 5 | 138-197 | 586-988 | 30-50 | 3 |
| 6 | 170-466 | 1638-2529 | 30-60 | 16-20 |
| 7 | 320-358 | 1248-2920 | 224-291 | 20-18 |
| 8 | 66-110 | 390-739 | 0-40 | 0 |
| 9 | 100-100 | 702-827 | 0-45 | 30-25 |
| 10 | 26-60 | 376-617 | 36-95 | 0-21 |
| 11 | 416-615 | 1898-5420 | 30-480 | 160-100 |
| 12 | 14-31 | 148-420 | 8-51 | 0 |
| 13 | 37-37 | 300-300 | 0-28 | 0 |
| 14 | 86-165 | 586-1671 | 60-365 | 86-132 |
| 15 | 160-223 | 690-1971 | 50-240 | 0-53 |
| 16 | 436-734 | 1006-2870 | 92-465 | 0-60 |
| 17 | 190-206 | 490-1400 | 68-359 | 0-120 |
| 18 | 78-223 | 456-1299 | 46-134 | 6-4 |
| 19 | 100-137 | 320-913 | 30-45 | 0 |
| 20 | 66-186 | 1216-3472 | 46-228 | 170-173 |
| 21 | 358-419 | 2444-3470 | 0-120 | 0-4 |
| 22 | 160-160 | 456-1300 | 0-45 | 40-40 |
| 23 | 75-75 | 322-322 | 30-30 | 2-2 |
| 24 | 0-0 | 0-0 | 0-0 | 0-0 |
| 25 | 130-322 | 754-2153 | 30-152 | 25-56 |
| TOTAL | 5502-8445 | 24584-58614 | 986-4046 | 596-988 |

APPENDIX D
WITHDRAWAL REVIEW SCHEDULE

Review for rejustification, revoactin, or modification of withdrawals of lands administered by the Challis National Forest will occur on the following schedule:

| <u>Name of Case</u> | <u>District</u> | <u>F.Y.</u> |
|-----------------------------------|-----------------|-------------|
| Custer Historical Site | Yankee Fork | 1986 |
| Beaver Creek Recreation | Yankee Fork | 1986 |
| Middle Fork W&S River Scenic Area | Middle Fork | 1986 |
| Seafoam Administrative Site | Middle Fork | 1986 |
| Phillips Creek Recreation 1/ | Yankee Fork | 1986 |
| Park Creek Recreation | Lost River | 1986 |
| Wildhorse Recreation | Lost River | 1986 |
| Wildhorse Administrative Site | Lost River | 1986 |
| Josephus Lake Recreation 1/ | Middle Fork | 1987 |
| Iron Bog Recreation | Lost River | 1987 |
| Little Creek Administrative Site | Middle Fork | 1987 |
| Arco Pass Administrative Site | Lost River | 1987 |
| Big Creek Recreation | Challis | 1987 |
| Indian Creek Administrative Site | Middle Fork | 1987 |
| Lake Creek Recreation | Middle Fork | 1987 |
| Lola Creek Recreation 1/ | Yankee Fork | 1987 |
| Pole Flat Recreation | Yankee Fork | 1987 |
| Custer Recreation | Yankee Fork | 1987 |
| West Fork Recreation | Yankee Fork | 1987 |
| Jerry Creek Recreation | Yankee Fork | 1987 |
| Antelope Administrative Site | Lost River | 1988 |
| Bear Creek Point Lookout | Middle Fork | 1988 |
| Mountain View Administrative Site | Lost River | 1988 |
| Fairview Administrative Site | Lost River | 1988 |
| Clayton Administrative Site | Yankee Fork | 1988 |
| Phi Kappa Recreation | Lost River | 1988 |
| Starhope | Lost River | 1988 |
| Lost River Stock Driveway | Lost River | 1988 |

1/ May be delayed if appeals are filed contesting the dredge and placer mining ban within the Middle Fork of the Salmon River Drainage.

APPENDIX E

PROCEDURE FOR PROCESSING OIL AND GAS LEASE APPLICATIONS

Lease applications filed with the BLM will be forwarded through the Forest Service to the responsible District Ranger for recommendations specific to each lease.

Applications for geophysical exploration permits will also be processed at the Ranger District.

Rangers will review land status, all relevant resource maps, and other information to determine resource concerns and specific stipulations to be applied to each lease or geophysical exploration permit. Preparation of an additional Environmental Assessment or EIS will not be required for recommending issuance of oil and gas leases or geophysical exploration permits that are within the guidelines contained in this Plan and EIS. A written recommendation on each lease application will be returned within two weeks to the Forest Supervisor for review. Reviewed recommendations will be returned to the BLM through the Regional Forester.

Table E-1 displays minimum special stipulations needed to address certain environmental conditions.

The stipulations identified in this section will be attached to oil and gas leases and exploration permits as appropriate.

When specific proposals for drilling or other significant surface disturbance such as road construction are received, a project specific EA will be prepared.

TABLE E-1. MINIMUM SPECIAL STIPULATIONS AS A CONDITION OF MINERAL LEASES

| No. Stipulation | Primitive Rec. Areas | Retention & Part. Retention | Developed Rec. Sites | High Mass Failure Hazard | Steep Slope = 40% Greater in Glaciated Lands, Fluvial Mtns., Granitic Mtns. - - - = 60% and greater in other land groups | Riparian Areas | Seasonal Wildlife Habitat | T&E Habitat | Administrative Site | RARE II Further Planning | Research Natural Areas (RNA) | Significant Cultural Area | Municipal Watershed | All Areas |
|--|----------------------|-----------------------------|----------------------|--------------------------|--|----------------|---------------------------|-------------|---------------------|--------------------------|------------------------------|---------------------------|---------------------|-----------|
| 1. No surface occupancy, special area | | | | | | | | | | | X | X | | |
| 2. Visual - road, structure, etc. | | X | X | | | | | | | | | | | |
| 3. No surface occupancy, legal description | | | X | | | | | | X | | | X | X | |
| 4. No surface occupancy adjacent to road, river, trail, etc. | | X | X | | | X | | | | | | | | |
| 5. No drilling or storage near reservoirs, archaeological sites, etc. | | X | X | | | X | | | | | | X | | |
| 6. No surface occupancy - steep slopes | | | | | X | | | | | | | | | |
| 7. No surface occupancy, seasonal | | | | | | | X | | | | | | | |
| 8. Prohibit activity - muddy or wet periods | | | | | | | | | | | | | | X |
| 9. Restricted trail/road | | | | | | | | | | | | | | X |
| 10. Visual - painting or camouflage | | X | X | | | | | | | | | | | |
| 11. No surface occupancy - (May replace #6) | | | X | X | X | | | | X | | X | | X | |
| 12. No drilling, storage, surface disturb next to....(May replace #4 and #5) | | X | X | | | X | | | | | | | | |
| 13. No surface disturb., explor., drill... (May replace #6 and #7) | | | | | X | | X | | | | | | | |
| 14. Controlled or limited surface use | X | X | | | | | | | | | | | | |
| 15. Activity coordination | | | | | | | | X | | | | | | |
| 16. Protection of T&E species | | | | | | | | X | | | | | | |

* One or more stipulations may be selected from the appropriate columns.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

STIPULATION FOR LANDS UNDER JURISDICTION OF DEPARTMENT OF AGRICULTURE*

The lands embraced in this lease or permit being under the jurisdiction of the Secretary of Agriculture, the lessee or permittee hereby agrees:

(1) To conduct all operations authorized by this lease or permit with due regard for good land management, not to cut or destroy timber without first obtaining permission from the authorized representative of the Secretary of Agriculture, and to pay for all such timber cut or destroyed at the rates prescribed by such representative; to avoid unnecessary damage to improvements, timber, crops, or other cover; unless otherwise authorized by the Secretary of Agriculture, not to drill any well, carry on operations, make excavations, construct tunnels, drill, or otherwise disturb the surface of the lands within 200 feet of any building standing on the lands and whenever required, in writing, by the authorized representative of the Secretary of Agriculture to fence or fill all sump holes, ditches, and other excavations, remove or cover all debris, and so far as reasonably possible, restore the surface of the lands to their former condition, including the removal of structures as and if required, and when required by such representative to bury all pipelines below plow depth.

(2) To do all in his power to prevent and suppress forest, brush, or grass fires on the lands and in their vicinity, and to require his employees, contractors, subcontractors, and employees of contractors or subcontractors to do likewise. Unless prevented by circumstances over which he has no control, the lessee or permittee shall place his employees, contractors, subcontractors, and employees of contractors and subcontractors employed on the lands at the disposal of any authorized officer of the Department of Agriculture for the purpose of fighting forest, brush, or grass fires on or originating on the lands or on adjacent areas or caused by the negligence of the lessee or permittee or his employees, contractors, subcontractors and employees of contractors and subcontractors, with the understanding that payment for such services shall be made at rates to be determined by the authorized representative of the Secretary of

Agriculture, which rates shall not be less than the current rates of pay prevailing in the vicinity for services of a similar character: *Provided*, that if the lessee or permittee, his employees, contractors, subcontractors, or employees of contractors or subcontractors, caused or could have prevented the origin or spread of said fire or fires, no payment shall be made for services so rendered.

During periods of serious fire danger to forest, brush, or grass, as may be specified by the authorized representative of the Secretary of Agriculture, the lessee or permittee shall prohibit smoking and the building of camp and lunch fires by his employees, contractors, subcontractors, and employees of contractors or subcontractors within the area involved except at established camps, and shall enforce this prohibition by all means within his power: *Provided*, that the authorized representative of the Secretary of Agriculture may designate safe places where, after all inflammable material has been cleared away, campfires may be built for the purpose of heating lunches and where, at the option of the lessee or permittee, smoking may be permitted.

The lessee or permittee shall not burn rubbish, trash, or other inflammable materials *except* with the consent of the authorized representative of the Secretary of Agriculture and shall not use explosives in such a manner as to scatter inflammable materials on the surface of the lands during the forest, brush, or grass fire season, *except* as authorized to do so or on areas approved by such representative.

The lessee or permittee shall build or construct such fire lines or do such clearing on the lands as the authorized representative of the Secretary of Agriculture decides is essential for forest, brush, and grass fire prevention which is or may be necessitated by the

* This form of stipulation may be used in connection with leases and permits issued under the Acts of February 25, 1920, as amended (30 U.S.C. 181 *et seq.*); August 7, 1947 (30 U.S.C. 351 *et seq.*); February 7, 1927, as amended (30 U.S.C. 281 *et seq.*); April 17, 1926, as

amended (30 U.S.C. 271 *et seq.*); June 28, 1944 (58 Stat. 483-485); September 1, 1949 (30 U.S.C. 192c); June 30, 1950 (16 U.S.C. 508b), or under the authority of any of the Acts cited in Section 402 of the President's Reorganization Plan No. 3 of 1946 (5 U.S.C. 133y-16, Note).

exercise of the privileges authorized by this lease or permit, and shall maintain such fire tools at his headquarters or at the appropriate location on the lands as are deemed necessary by such representative.

(3) In the location, design, construction, and maintenance of all authorized works, buildings, plants, waterways, roads, telegraph or telephone lines, pipelines, reservoirs, tanks, pumping stations, or other structures or clearance, the lessee or permittee shall do all things reasonably necessary to prevent or reduce to the fullest extent scarring and erosion of the lands, pollution of the water resources and any damage to the watershed. Where construction, operation, or maintenance of any of the facilities on or connected with this lease or permit causes damage to the watershed or pollution of the water resources, the lessee or permittee agrees to repair such damage and to take such corrective measures to prevent further pollution or damage to the watershed as are deemed necessary by the authorized representative of the Secretary of Agriculture.

(4) If in the opinion of the authorized representative of the Secretary of Agriculture, the lands are valuable for watershed protection, the lessee or permittee shall provide for control of surface runoff and return the affected area to as productive condition as practicable.

(5) To pay the lessor or permitter or his tenant or the surface owner or his tenant, as the case may be, for any and all damage to or destruction of property caused by the lessee's or permittee's operations hereunder; to save and hold the lessor or permitter or the surface owner or their tenants harmless from all damage or claims for damage to persons or property resulting from the lessee's or permittee's operations under this lease or permit.

(6) To recognize existing uses and commitments, in the form of Department of Agriculture grazing, timber cutting, and special use permits, water developments, ditch, road, trail, pipeline, telephone line, and fence rights-of-way and other similar improvements, and to conduct his operations so as to interfere as little as possible with the rights and privileges granted by these permits or with other existing uses.

(7) To install and maintain cattle guards to prevent the passage of livestock in any openings made in fences by the lessee or permittee or his contractors to provide access to the lands covered by this lease or permit for automotive and other equipment.

(8) If lessee or permittee shall construct any camp on the lands, such camp shall be located at a place approved by the authorized representative of the Secretary of Agriculture, and such representative shall have authority to require that such camp be kept in a neat and sanitary condition.

(9) To comply with all federally-approved rules and regulations of the Secretary of Health, Education, and Welfare governing the emission of pollutants into the air from activities which are embraced in this lease or permit.

(10) To comply with all the rules and regulations of the Secretary of Agriculture governing the national forests or other lands under his jurisdiction which are embraced in this lease or permit.

(11) Unless otherwise authorized, prior to the beginning of operations to appoint and maintain at all times during the term of this lease or permit a local agent upon whom may be served written orders or notices respecting matters contained in this stipulation, and to inform the authorized representative of the Secretary of Agriculture, in writing, of the name and address of such agent. If a substitute agent is appointed, the lessee or permittee shall immediately so inform the said representative.

(12) To address all matters relating to this stipulation to

at

who is the authorized representative of the Secretary of Agriculture, or to such other representative as may from time to time, be designated, provided that such designation shall be in writing and be delivered to the lessee or permittee or his agent.

(Signature of Lessee)

GPO 880-292

SURFACE DISTURBANCE STIPULATIONS

1. Notwithstanding any provision of this lease to the contrary, any drilling, construction or other operation on the lands covered by this lease that will disturb the surface thereof or otherwise affect the environment (hereinafter called "surface disturbing operation") conducted by the lessee shall be subject, as set forth in this stipulation, to the prior approval of such operation by the Bureau of Land Management (BLM) in consultation with the Forest Service, and to such reasonable conditions not inconsistent with the purposes for which this lease is issued, as the authorized officer may require to protect the surface of these lands and the environment.
2. Prior to entry upon National Forest System lands or the disturbance of the surface thereof, for drilling, surveying, and staking of well sites or other facilities, or for any other purposes, the lessee shall contact the appropriate Forest Service officer, as shown in item 12 of BLM for 3109-3, in regard to surface-use requirements and/or restrictions.
3. An environmental review will be made by the Bureau of Land Management, in consultation with the Forest Service, for the purpose of insuring proper protection of the surface, the natural resources, the environment, and existing improvements, and for assuring timely reclamation of disturbed lands.

Upon completion of said environmental review and any necessary NEPA documents, the authorized officer of the Bureau of Land Management shall notify the lessee of the conditions, if any, to which the proposed surface-disturbing operations will be subject.

Said conditions may relate to any of the following:

- a. The location of drilling or other exploratory or developmental operations or the manner in which they are to be conducted.
 - b. The types of vehicles that may be used and the areas in which they may be used.
 - c. The manner or location in which improvements such as roads, buildings, pipelines, or other improvements are to be constructed.
4. The lessee agrees that during periods of adverse conditions due to climatic factors such as thawing, heavy rains, or flooding, all activities creating irreparable or extensive damage, as determined by the Forest Service, will be suspended or the plan of operation modified and agreed upon.

5. Protection of Cultural and Paleontological Resources

a. The Forest Service is responsible for assuring that the area to be disturbed on this lease is inventoried to determine the presence of cultural and paleontological resources and to specify those resources requiring protection and/or mitigation measures to be undertaken by the operator.

Unless notified to the contrary by the Forest Service, the operator may, at his discretion and cost, conduct the inventory on the lands to be disturbed. This inventory must be authorized by a Forest Service special use permit and must be done by, or under the supervision of, appropriate qualified specialists approved by the Forest Service. Upon review of the inventory reports, the Forest Service will specify those cultural and paleontological resources requiring protection and/or mitigation measures to be undertaken by the operator. All costs of protection and salvage of resource values will be borne by the operator and all data and materials salvaged will remain under the jurisdiction of the U.S. Government as appropriate.

b. The operator shall immediately cease operations in areas in which any antiquities or other objects of historic or scientific interest are discovered and bring the discovery to the attention of the Forest Service and the authorized officer of the Bureau of Land Management. Any such discoveries shall be left intact until the operator is permitted to proceed by the authorized officer of the Bureau of Land Management.

6. Protection of Endangered or Threatened Species

The Forest Service is responsible for assuring adequate protection for threatened and endangered species occurring in the area to be disturbed. Prior to undertaking any surface disturbing activities on lands covered by this lease, the lessee shall contact the appropriate Forest Service officer to be advised of the occurrence of, requirements for protection of, any plant or animal species listed or proposed for listing as endangered or threatened or their habitat. Lessee may be required to complete inventories under guidelines provided by the Forest Service if areas of proposed surface disturbance may result in adverse impacts on threatened and endangered species. Presence of such species may result in some restrictions to the operator's plans or even disallowing any use or occupancy that would detrimentally affect any of the identified species.

Discovery of any threatened or endangered species during operations will require cessation of such operations until the appropriate Forest Service officer and the authorized officer of the Bureau of Land Management have been advised and approved protective measures implemented.

Date

Lessee

Special Stipulations for Leasing

These supplemental stipulations should be used to supplement or expand, where necessary, the standard stipulations.

The supplemental stipulations 1 through 10, 15 and 16 are designed to address specific conditions. Supplemental stipulations 11 through 13 are designed to combine several areas of concern into one stipulation. They can be used as substitutes for one or more of the first ten stipulations.

Supplemental stipulation 14 is an alternative to many of the other supplemental stipulations. It alerts the lessee/operator to special values or uses within the leasehold which require special handling and may result in higher operating costs. This stipulation is not exclusionary; it allows use and occupancy if the operator can meet either restrictions or standards.

All of the special stipulations were designed for oil and gas leases. All revisions will be subject to approval of the BLM and USGS before attachment to a lease.

1. All of the land in this lease is included in (recreation or special area, etc.). Therefore, no occupancy or disturbance of the surface of the land described in this lease is authorized. The lessee, however, may exploit the oil and gas resources in this lease by directional drilling from sites outside this lease. If a proposed drilling site lies on land administered by the Bureau of Land Management, or by the Forest Service, a permit for use of the site must be obtained from the BLM District Manager or the Forest Service District Ranger, before drilling or other development begins. (NOTE: Use of stipulation requires GS concurrence.)
2. No access or work trail or road, earth cut or fill, structure or other improvement, other than an active drilling rig, will be permitted if it can be viewed from the (road, lake, river, etc.). (NOTE: Use of stipulation requires Geological Survey concurrence.)
3. No occupancy or other activity on the surface of (legal subdivision) is allowed under this lease.
4. No occupancy or other surface disturbance will be allowed within _____ feet of the _____ (road, trail, river, creek, canal, etc.) . This distance may be modified when specifically approved in writing by the District Engineer of the Geological Survey, with the concurrence of the authorized officer of the Federal surface management agency.
5. No drilling or storage facilities will be allowed within _____ feet of (live water, the reservoir, the archaeological site, the historical site, paleontological site, etc.) located in (legal subdivision). This distance may be modified when specifically approved in writing by the District Engineer of the U.S. Geological Survey, with the concurrence of the authorized officer of the Federal surface management agency.
6. No occupancy or other surface disturbance will be allowed on slopes in excess of _____ percent, without written permission from the District Engineer of the U.S. Geological Survey, with the concurrence of the authorized officer of the Federal surface management agency.

7. In order to (minimize watershed damage, protect important seasonal wildlife habitat, etc.), exploration, drilling, and other development activity will be allowed only (during the period from _____ to _____, during dry soil period, over a snow cover, on frozen ground). This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically authorized in writing by the District Engineer or the U.S. Geological Survey, with the concurrence of the authorized officer of the Federal surface management agency.

8. In order to minimize watershed damage during muddy and/or wet periods, the authorized officer of the Federal surface management agency, through the District Engineer of the U.S. Geological Survey, may prohibit exploration, drilling, or other development. This limitation does not apply to maintenance and operation of producing wells.

9. The _____ Trail/Road will not be used as an access road for activities on this lease, except as follows: (no exceptions, weekdays during recreation season, etc.).

10. To maintain esthetic values, all semi permanent and permanent facilities may require painting or camouflage to blend with the natural surroundings. The paint selection or method of camouflage will be subject to approval by the District Engineer of the Geological Survey, with the concurrence of the authorized officer of the Federal surface management agency.

11. No occupancy or other activity on the surface of the following described lands is allowed under this lease:

Reasons for this restriction are:

Examples of appropriate reasons for this restriction are:

- a. Steep slopes.
- b. Specific ecological land unit, land type or geologic formation which presents hazards such as mass failure.
- c. Roadless or essentially roadless area (includes Chevron and Rainbow stipulations).
- d. Special management units such as: Recreation Type I, water supply, administrative site, etc.

() Approximately _____ % of lease

12. No _____ will be allowed within _____ feet of the _____. This area contains _____ acres and is described as follows:

Reasons:

First blank to be filled in with one or more of the following: drilling, storage, facilities, surface disturbance, or occupancy. Second and third blanks to be filled in with one or more of the following:

- a. _____ feet wildlife habitat essential to specific species.
- b. _____ feet peripheral or unique vegetative type.
- c. 200 feet either side of center line of roads or highways.
- d. 500 feet of normal high waterline on all streams, rivers, ponds, reservoirs, lakes.
- e. 600 feet of all springs.
- f. 400 feet of any improvements.

13. In order to (minimize) (protect) _____, _____
_____ will be allowed only during _____. This does not apply to
maintenance and operation of producing wells and facilities. Lands within leases area to
which this stipulation applies are described as follows:

Reasons:

First blank to be filled in with one or more of the following:

- a. _____ Watershed damage.
- b. Soil erosion.
- c. Seasonal wildlife habitat (winter range, calving/lambing area, etc.).
- d. Conflict with recreation.

Second blank to be filled in with one or more of the following:

- a. Surface disturbing activities.
- b. Exploration.
- c. Drilling
- d. Development.

Third blank to be filled in with one or more of the following:

- a. Period from _____ to _____.
- b. Dry soil periods.
- c. Over the snow.
- d. Frozen ground.

14. Controlled or Limited Surface Use Stipulation. This stipulation may be modified when specifically approved in writing by the District Engineer, Geological Survey, with concurrence of the Federal surface management agency. Distances and/or time periods may be made less restrictive depending on the actual on-ground conditions.

The lessee/operator is given notice that all or portions of the lease area may contain special values, may be needed for special purposes, or may require special attention to prevent damage to surface and/or other resources. Any surface use or occupancy within such special area will be strictly controlled or, if necessary, excluded. Use or occupancy will be authorized only when the lessee/operator demonstrates that the special area is essential for operations in accordance with a surface use and operations plan which is satisfactory to the Geological Survey and the

Federal surface management agency for the protection of such special areas and existing or planned uses. Appropriate modifications to imposed restrictions will be made for the maintenance and operation of producing oil and gas wells; however, in extremely critical situations, occupancy may only be allowed in emergencies.

After the Federal surface management agency has been advised of specific proposed surface use or occupancy on these lands, and on request of the lessee/operator, the agency will furnish more specific locations and additional information on such special areas which now include:

(Legal land description to lot and/or quarter, quarter section.)

Reason for Restriction:

Duration of Restriction: (year-round, month (s))

15. Activity Coordination Stipulation. This lease includes land within * _____ which has resource values sensitive to high levels of activity. In order to minimize impacts to these resources, special conditions such as unitization prior to approval of operations, and/or other limitations to spread surface disturbance activities over time and space may be required prior to approval and commencement of any operations on the lease.

*Wilderness Areas, further planning areas, habitat of Threatened and Endangered Species.

16. Protection of Endangered or Threatened Species: The Federal Surface Management Agency is responsible for assuring that the area to be disturbed is examined prior to undertaking any surface-disturbing activities on lands covered by this lease to determine effects upon any plant or animal species listed or proposed for listing, as endangered or threatened, or their habitats. If the findings of this examination determine that the operation may detrimentally effect an endangered or threatened species, some restrictions to the operator's plan or even disallowances of use may result.

The lessee/operator may, at his discretion and cost, conduct the examination on lands to be disturbed. This examination must be done by or under the supervision of a qualified resource specialist approved by the surface management agency. An acceptable report must be provided to the surface management agency identifying the anticipated effects of the proposed action on endangered or threatened species or their habitat.