

CONTINUATION OF: MINERALS MANAGEMENT GENERAL (000)

03 On classified lands not withdrawn from operations under the general mining laws provide for reasonable protection of the purposes for which the lands were classified and for reclamation of disturbed lands to a condition suitable for the purposes for which the lands were classified. Such lands may include Research Natural Areas, national recreation trails, special interest areas; such as scenic, geologic, or national historic sites, or some other type of specific classification. The status of classified lands with respect to withdrawal must be checked before an operating plan can be approved.

a. 36 CFR 228

04 On unclassified (remaining) lands, provide for reclamation of disturbed lands to achieve the planned uses specified in the Forest Plan, when those lands are no longer needed for mineral operations.

MINING LAW COMPLIANCE AND ADMINISTRATION (LOCALABLES) (001)

01 Minimize or as appropriate prevent adverse impacts on surface resources.

a. 36 CFR 228.

02 Review cases of suspected abuse of the mining laws such as occupancy of the land for purposes other than prospecting, mining, and related activities. Initiate appropriate action to resolve abuses.

a. The first action should be administrative. Failure of such action requires examination of claims for validity, followed by appropriate contest proceedings or legal action.

MINERALS MANAGEMENT LEASABLES (002 TO 07)

01 \*Consent/nonconsent to coal leasing, permits, or licensing or objection/nonobjection to oil and gas leasing and permits are based on management requirements of individual management units.\* Stipulations for these actions should minimize and/or mitigate effects or conflicts with other resource uses and should return disturbed lands to conditions compatible with the emphasis of the management unit or adjacent management unit.

a. Any lease, license or permit may be denied or limited by standard or additional stipulations where proposed activities could result in irreparable damage, may preclude existing uses or be contrary to management direction.  
b. Stipulations (Appendix B) will be used as appropriate in leases, licenses, or permits.  
c. Oil and gas, geothermal, and CO2 lease occupancy be denied or limited by special stipulation where:

- (1) Slopes are steeper than 35 percent;
- (2) Erosion hazard rating is high and mitigation measures could be ineffective.
- (3) Geologic hazard rating is high.
- (4) Key wildlife uses may be impaired.
- \*-(5) Within 200 feet of arterial or major collector roads and highways\*-

CONTINUATION OF:  
MINERALS  
MANAGEMENT  
LEASES  
(G02 TO G07)

MINERALS  
MANAGEMENT  
LEASES  
(G02 TO 07)

- 02 Restrict geophysical activity during periods of heavy recreational use associated with hunting seasons, during key big game use periods, or when unacceptable impacts on other resource uses may be caused.
01. Authorize common variety exploration and disposals under terms and conditions to prevent or control adverse impacts on surface resources and uses and properly re-claim the site.
- a. Any lease, license or permit may be denied or limited by special stipulations where proposed activities; could result in irreparable damage, may result in precluding existing uses; or be contrary to established management direction.

- d. Coal lands will be determined to be suitable for coal leasing through the application of suitability and multiple-use criteria (43 CFR 3461 and 43 CFR 3420). Coal leases may be denied or limited by special stipulation where:
- (1) They are not in compliance with the suitability criteria or multiple land use decisions established for the unit (Appendix C).
  - (2) Surface or transportation facilities needed for operations degrade water quantity or quality.
  - (3) Operations would impair the current quality of recreation.
  - (4) National Recreation Trails occur.
  - (5) Operations would result in unacceptable or unmitigatable impact on wildlife or fisheries.
  - (6) Operations could result in aggravating land instability.
  - (7) An established need for additional coal cannot be demonstrated.
  - (8) Operations and/or production would result in unacceptable and unmitigatable impacts to Human Resource Units. (communities)
  - (9) Operations would result in unacceptable or unstable traffic flows.
- e. Extraction of coal shall be by underground mining methods.

CONTINUATION OF: 02 Strive to manage development scale 3 and 4 sites for full service when at least one of the following are met: a. FSM 2332.

MANAGEMENT OF DEVELOPED RECREATION SITES (A08, 09, 11, AND 13)

A. A campground is designated as a fee site;  
 B. More than 20 percent of theoretical capacity is being utilized;  
 C. A group campground or picnic ground has a reservation system and/or user fee; or  
 D. The unit is a swimming site, a boating site with a constructed ramp, or a staffed visitor information center.

03 Maintain facilities in safe condition. Replace facilities when rehabilitation costs are 50 percent or more of replacement costs or existing facilities cease to be compatible with site design or ROS classification. a. FSH 2309.11, Sec. 122.

04 Post the past and probable flood heights in inventoried 100-year floodplains to provide the public visible warnings about possible periodic flooding. a. FSM 2520.

05 Maintain developed sites in accordance with regionally acceptable work standards. a. FSM 2330.

RECREATION MANAGEMENT (PRIVATE AND OTHER PUBLIC SECTOR) (A16)

01 Allow the private sector to provide recreation oriented support services where it is appropriate.

RANGE RESOURCE MANAGEMENT (D02)

01 Manage livestock grazing to reduce conflicts in existing and proposed recreation sites. a. Construct, as needed, fences of appropriate materials around developed sites.

b. Exclude livestock from areas that cannot be maintained in Code-A-Site category light, as a result of livestock grazing.

MINERAL  
ACTIVITIES

GENERAL  
DIRECTION

STANDARDS &  
GUIDELINES

AGRICULTURAL  
EXAMINATION  
AND  
PRESCRIPTION  
(B03, 06,  
AND 07)

01 Manage trees and shrubs to enhance visual quality and recreation opportunities on existing and proposed recreation sites.

02 Remove unsafe and/or dead trees in developed sites. Plant new trees to provide desired tree cover when natural regeneration is insufficient.

a. See Technical Report R-2-1 919810 Tree Hazards: Recognition and Reduction in Recreation Sites.

MINERALS  
MANAGEMENT  
GENERAL  
(G00)

01 Manage mineral activities to be compatible with recreation uses and visual quality objectives.

MINERALS  
MANAGEMENT  
LEASES  
(G02 TO 07)

01 Allow mineral leasing where it is determined that stipulated methods of development and extraction will not adversely affect recreation values to any significant degree.

\*-a. The "No Surface Occupancy" stipulation will be used for oil and gas leases, with the understanding that the stipulation may be waived, accepted, or modified on a site specific basis.\*

MINERALS  
MANAGEMENT  
SALES  
(G02 TO G07)

01 Authorize common variety exploration and disposals under terms and conditions that prevent or control adverse impacts on surface resources and uses and properly reclaim the renewable resources.

a. Any lease, license or permit may be denied or limited by special stipulations where proposed activities; could result in irreparable damage, may result in precluding existing uses; or be contrary to established management direction.

WITHDRAWALS,  
MODIFICATIONS  
AND REVOCATIONS  
(J04)

01 Withdraw as appropriate from mineral entry.

TRANSPORTATION  
SYSTEM  
MANAGEMENT  
(L01 TO 20)

01 Design, construct, and maintain roads to assure they are compatible insofar as possible with developed recreation sites use unit objectives.

a. FSM 2300.

INITIAL ATTACK  
AND FIRE  
SUPPRESSION  
(P08)

01 Control wildfires at all intensity levels.

MANAGEMENT PRESCRIPTION SPR  
(EMPHASIS IS ON SEMIPRIMITIVE RECREATION USE)

Management emphasis is for providing semiprimitive motorized and nonmotorized recreation opportunities. Recreation opportunities such as hiking, horseback riding, hunting, cross-country skiing, vehicular travel, etc., are available. Some units, or areas within units may be closed seasonally or permanently to motorized use. Seasonal or permanent restrictions on human use may be applied to provide for the protection of the physical, biological, and social resources.

Investments in compatible resource uses such as timber harvest, livestock grazing, wildlife habitat, mineral exploration and development, special uses, etc., may occur as long as they meet the planned VQO and maintain a high quality semiprimitive recreation opportunity. When the approved activity ceases, roads, structures, and appurtenances will be rehabilitated as closely as possible to reflect the previous, undisturbed condition.

\*-SPR\* Management Requirements will apply to; Arch Canyon, Beer Creek, Black Canyon, Candland Mountain, Fish Creek, Hammond Canyon, and the three LaSal Peaks SPR Units.\*

(EMPHASIS IS ON SEMIPRIMITIVE RECREATION USE)

MANAGEMENT UNIT DIRECTION SPR  
Amended 6/1/88

MANAGEMENT REQUIREMENTS

MANAGEMENT  
ACTIVITIES

GENERAL  
DIRECTION

STANDARDS &  
GUIDELINES

DISPERSED  
RECREATION  
MANAGEMENT  
(A14 AND 15)

- 01 Manage for semiprimitive recreation opportunities.
  - A. Close all or part of the unit to motorized use when such use is incompatible with the recreation resource activities and/or uses of the unit.
    - a. FSM 2350.
    - \*b. Close or restrict motorized travel to specific roads and/or trails in SPR\*\* units.
    - c. Closure or restriction to motorized use does not apply; [a] When authorized by permit or contract, or [b] to any Federal, State or local officer, or member of an organized rescue or fire fighting force in the performance of an official duty.\*
  - B. Open specific closed areas or travel routes seasonally as appropriate with specific authorization to accomplish resource management activities and/or uses.
  - C. Open the unit or selected roads and/or trails for motorized recreation when such use is compatible with the planned ROS Class of the unit.

02 Provide facilities such as foot and horse trails, Level 1 campgrounds, and necessary signing as appropriate for the protection of resources.

a. FSM 2330, FSM 7730, FSH 2309.18 (Trails Handbook), FSH 7109.11A and 11B (Sign Handbook).

03 Manage site use and occupancy to maintain sites so as not to exceed Code-A-Site category "Heavy Impact".

a. See Code-A-Site research paper, PMM-209 dated 1976.

RECREATION  
MANAGEMENT  
(PRIVATE AND  
OTHER PUBLIC  
SECTOR)  
(A16)

01 Consider allowing private sector to provide recreation oriented support services.

WILDLIFE  
HABITAT  
IMPROVEMENT AND  
MAINTENANCE  
(002, 04, 05  
AND 06)

01 Manage wildlife and fish habitat to be compatible with the recreation use. Locate structural and design non-structural improvements to meet visual quality objectives.

RANGE RESOURCE  
MANAGEMENT  
(002)

01 Manage livestock use to be compatible with recreation use. Locate structural and design non-structural improvements to meet visual quality objectives.



MANAGEMENT PRESCRIPTION KMR  
(EMPHASIS IS ON KEY BIG-GAME WINTER RANGE)

Management emphasis is on providing winter forage and cover for big-game species in areas that must be available and unencumbered for wildlife use each year during the critical winter period. Vegetative treatments are applied to increase forage production of grass, forb, and especially browse species and/or to create and maintain thermal and hiding cover. This may include prescribed burning, seeding, spraying, planting, and mechanical treatments. Browse stands are regenerated to maintain a variety of age classes and species.

Conflicting uses are not permitted on a continuing basis, but may be permitted outside the critical season if there is no long-term degradation. Livestock grazing that is compatible with wildlife habitat is permitted.

New roads other than short-term (temporary) roads are located outside of the management unit. Short-term roads will be rehabilitated to provide for wildlife use within one season after completed use. Prohibit motorized use to prevent unacceptable stress on big game during critical use periods.

Acquire key big-game winter range or wildlife habitat easements within or adjacent to the National Forest.

(EMPHASIS IS ON KEY BIG-GAME WINTER RANGE)

MANAGEMENT UNIT DIRECTION KMR

WATER QUALITY  
MANAGEMENT  
(FOO)

- 01 Vegetate disturbed soils in sites where adverse impacts would occur according to the following priorities:
- Aquatic ecosystems;
  - Riparian ecosystems; and
  - Riparian areas outside of aquatic and riparian ecosystems.

02 Minimize surface disturbing activities that alter vegetative cover, result in stream channel instability or loss of channel cross-sectional areas, or reduce water quality.

RIPARIAN,  
FLOOD PLAIN  
& WETLANDS  
MANAGEMENT  
(FOO)

01 Prior to implementation of project activities, delineate and evaluate riparian areas and or wetlands that may be impacted.

- a. FSA 2526.
- b. Where site-specific development adversely affects long-term productivity or management, those authorized to conduct development will be required to replace loss through appropriate mitigations.

02 Obtain 404 permits when needed for proposed activities causing disturbance to flood plains and wetlands.

SOIL & WATER  
RESOURCE  
IMPROVEMENTS  
(FO3)

01 Prevent or remove unacceptable debris accumulations that reduce stream channel stability and capacity.

02 Avoid channelization of natural streams. Where channelization is necessary for flood control or other purposes use stream geometry relationships to reestablish meanders, width/depth ratios, etc. consistent with each major stream type.

03 Treat disturbed sites resulting from resource development or use activities, to reduce sediment yields to the natural erosion rates in the shortest possible time.

CONTINUATION OF:  
SOIL & WATER  
RESOURCE  
IMPROVEMENTS  
(FO3)

04 Stabilize streambanks which are damaged beyond natural recovery in a reasonable period with appropriate methods or procedures

05 Minimize significant soil compaction and disturbance in riparian ecosystems. Allow use of heavy construction equipment during period when the soil is less susceptible to compaction or rutting.

06 Maintain or enhance the long-term productivity of soils within the riparian ecosystem.

MINERALS  
MANAGEMENT  
GENERAL  
(000)

01 Avoid and mitigate detrimental disturbance to the riparian area by mineral activities. Initiate timely and effective rehabilitation of disturbed sites.

02 \*No surface occupancy or use is allowed in riparian units, or within 200 feet of riparian units, unless it can be demonstrated that operations can be conducted without causing unacceptable impacts, in which case, the restriction can be waived, accepted, or modified on a site specific basis.\*

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03 Design and locate settling ponds to prevent washout during high water. Locate settling ponds outside of the active channel. Restore channel changes to hydraulic geometry standards for each stream type.

- a. Locate drill sites and mud pits outside the riparian area unless alternate locations have been reviewed and rejected. If location is unavoidable, seal and dike all pits to prevent leakage.
  - b. Reclaim disturbed sites as soon as possible after use is discontinued.
  - c. Revegetate or establish vegetative cover to levels that will provide soil surface protection and prevent erosion.
  - d. Provide surface protection from storm-flow and snowmelt runoff events.
- a. Permit diversion activities within the riparian unit where technology is available to maintain water quality standards, sediment threshold limits, instream flow standards, vegetation, and fish and wildlife cover.

MANAGEMENT ACTIVITIES

GENERAL DIRECTION

STANDARDS & GUIDELINES

VISUAL RESOURCE MANAGEMENT (A04) 01 Manage generally for a partial retention V00.

DISPERSED RECREATION MANAGEMENT (A14 AND 15) 01 Manage dispersed recreation opportunities: A. On inventoried units, consistent or compatible with prescriptions from adjacent management units; B. On existing units, to avoid conflicts with the authorized special use activities.

WILDLIFE HABITAT IMPROVEMENT AND MAINTENANCE (002, 04, 05 AND 06) 01 Manage, to the extent possible, potential or existing long-term impacts on potential or existing units consistent or compatible with wildlife and fish habitat prescriptions from adjacent management units.

RANGE RESOURCE MANAGEMENT (D02) 01 Manage the forage resource on potential units and existing units consistent or compatible with range prescriptions from adjacent management units. On existing units manage forage with emphasis on establishment of vegetative cover and long range rehabilitation to support appropriate range prescriptions.

SILVICULTURAL PRESCRIPTIONS (E03, 06, AND 07) 01 On potential units manage forest cover types consistent or compatible with prescription from adjacent management units unless a specific use requires special forest cover management.

MINING LAW COMPLIANCE AND ADMINISTRATION (LOCALITIES) (G01) 01 Manage mineral activities to be compatible with the authorized use.

MANAGEMENT UNIT DIRECTION SID

MINERALS  
MANAGEMENT  
LEASEABLES  
(002 TO 07)

01 Allow mineral leasing where it has been determined that stipulated methods of mining will not affect the authorized use to any significant degree.

\*-a. The "No Surface Occupancy" Stipulation will be used for oil and gas leasing, with the understanding that the stipulation may be waived, accepted or modified on a site specific basis.\*

02 Allow oil and gas leasing where appropriate using the "Controlled or Limited Surface Use" stipulation which allows uses within specific areas of the lease to be strictly controlled or surface use entirely excluded as necessary.

MINERALS  
MANAGEMENT  
SALEABLES  
(002 TO 07)

01 Close the unit to sale or other use of saleable minerals.

SPECIAL-USE  
MANAGEMENT  
NONRECREATION  
(J01)

01 Approve special-use applications for areas adjacent to existing SJL units only when the proposed use is compatible with the purpose and use of the existing unit.

WITHDRAWALS,  
MODIFICATIONS  
AND REVOCATIONS  
(J04)

02 Withdraw the unit from mineral entry as needed to assure the authorized use can be continued.

# APPENDIX B MINERAL STIPULATIONS AND MITIGATION STATEMENTS

Page

## Coal

1. Special Coal Lease Stipulations . . . . . B-2  
(To be included in leases as appropriate.)
2. Standard Stipulations for Coal Drilling Operations . . . . . B-5  
(To be included in leases as appropriate.)

## Oil and Gas

1. Stipulation for Lands Under Jurisdiction of Department of Agriculture . . . . . B-8  
(Required in Leases for National Forest System Lands.)
2. Forest Service (R-4) Supplement A . . . . . B-9  
(Required in Leases for National Forest System Lands.)
3. Special Stipulations . . . . . B-11  
(Table included in Leases as appropriate.)
4. Prospecting Permit . . . . . B-15  
(Required in permits.)
5. Regional Stipulations . . . . . B-17  
(Required in permits for prospecting for O&G.)
6. Manit-Lasal National Forest Stipulations . . . . . B-18  
(Included in permits for prospecting for O&G.)

## Locatable Minerals

1. Locatable Mineral Mitigation Statements . . . . . B-21  
(Required in Action Plan approval documents.)
2. Required and Special Mitigation Statements for Uranium Drilling . . . . . B-21

SPECIAL COAL LEASE STIPULATIONS

Federal Regulations 43 CFR 3400 pertaining to Coal Management make provisions for the Surface Management Agency, the surface of which is under the jurisdiction of any Federal agency other than the Department of Interior, to consent to leasing and to prescribe conditions to ensure the use and protection of the lands. All or part of this lease contain lands the surface of which are managed by the United States Department of Agriculture, Forest Service - Manati-Lasal National Forest.

The following stipulations pertain to the Lessee responsibility for mining operations on the lease area and on adjacent areas as may be specifically designated on National Forest System lands.

Forest Service Stipulation #1

Before undertaking activities that may disturb the surface of previously undisturbed leased lands, the Lessee may be required to conduct a cultural resource inventory and a paleontological appraisal of the areas to be disturbed. These studies shall be conducted by qualified professional cultural resource specialists or qualified paleontologists, as appropriate, and a report prepared itemizing the findings. A plan will then be submitted making recommendations for the protection of, or measures to be taken to mitigate impacts for identified cultural or paleontological resources.

If cultural resources or paleontological remains (fossils) of significant scientific interest are discovered during operations under this lease, the Lessee prior to disturbance shall immediately bring them to the attention of the appropriate authority. Paleontological remains of significant interest do not include leaves, ferns, or dinosaur tracks commonly encountered during underground mining operations.

The cost of conducting the inventory, preparing reports, and carrying out mitigating measures shall be borne by the Lessee.

Forest Service Stipulation #2

If there is reason to believe that threatened or endangered (TAB) species of plants or animals, or migratory \*bird\* species of high Federal interest occur in the area, the Lessee shall be required to conduct an intensive field inventory of the area to be disturbed and/or impacted. The inventory shall be conducted by a qualified specialist and a report of findings will be prepared. A plan will be prepared making recommendations for the protection of these species or action necessary to mitigate the disturbance.

The cost of conducting the inventory, preparing reports, and carrying out mitigating measures shall be borne by the Lessee.

Forest Service Stipulation #3

The Lessee shall be required to perform a study to secure adequate baseline data to quantify the existing surface resources on and adjacent to the lease area. Existing data may be used if such data is adequate for the intended purposes. The study shall be adequate to locate, quantify, and demonstrate the inter-relationship of the geology, topography, surface hydrology, vegetation, and wildlife. Baseline data will be established so that future programs of observation can be incorporated at regular intervals for comparison.

Forest Service Stipulation #4

Powertines used in conjunction with the mining of coal from this lease shall be constructed so as to provide adequate protection for raptors and other large birds. When feasible, powerlines will be located at least 100 yards from public roads.

Forest Service Stipulation #5

The limited area available for mine facilities at the coal outcrop, steep topography, adverse winter weather, and physical limitations on the size and design of the access road, are factors which will determine the ultimate size of the surface area utilized for the mine. A site-specific Environmental Analysis will be prepared for each new mine site development and for major improvements to existing developments to examine alternatives and mitigate conflicts.

Forest Service Stipulation #6

Consideration will be given to site selection to reduce adverse visual impacts. Where alternative sites are available, and each alternative is technically feasible, the alternative involving the least damage to the scenery and other resources shall be selected. Permanent structures and facilities will be designed and screening techniques employed to reduce visual impacts, and where possible, achieve a final landscape compatible with the natural surroundings. The creation of unusual, objectionable, or unnatural land forms and vegetative landscape features will be avoided.

Forest Service Stipulation #7

The Lessee shall be required to establish a monitoring system to locate, measure, and quantify the progressive and final effects of underground mining activities on the topographic surface, underground and surface hydrology and vegetation. The monitoring system shall utilize techniques which will provide a continuing record of change over time and an analytical method for location and measurement of a number of points over the lease area. The monitoring shall incorporate and be an extension of the baseline data.

Forest Service Stipulation #8

The Lessee shall provide for the suppression and control of fugitive dust on haul roads and at coal handling and storage facilities. On Forest Development Roads (FDR), Lessees may perform their share of road maintenance by a commensurate share agreement if a significant degree of traffic is generated that is not related to their activities.

Forest Service Stipulation #9

Except at specifically approved locations, underground mining operations shall be conducted in such a manner so as to prevent surface subsidence that would: (1) cause the creation of hazardous conditions such as potential escarpment failure and landslides, (2) cause damage to existing surface structures, and (3) damage or alter the flow of perennial streams. The Lessee shall provide specific measures for the protection of escarpments, and determine corrective measures to assure that hazardous conditions are not created.

Forest Service Stipulation #10

In order to avoid surface disturbance on steep canyon slopes and to preclude the need for surface access, all surface breakouts for ventilation shall be constructed from inside the mine, except at specific approved locations.

The Lessees, at their expense, will be responsible to replace any surface water identified for protection, that may be lost or adversely affected by mining operations, with water from an alternate source in sufficient quantity and quality to maintain existing riparian habitat, fishery habitat, livestock and wildlife use, or other land uses.

Forest Service Stipulation #17

The Lessee, at the conclusion of the mining operation, or at other times as surface disturbance related to mining may occur, will replace all damaged, disturbed, or displaced \*corner\* monuments (section corners, 1/4 corners, etc.), their accessories and appendages (witness trees, bearing trees, etc.), or restore them to their original condition and location, or at other locations that meet the requirements of the \*rectangular survey system\*. This work shall be conducted at the expense of the Lessee, by a professional land surveyor registered in the State of Utah, and to the standards and guidelines found in the Manual of Surveying Instructions, United States Department of the Interior.

Forest Service Stipulation #16

Support facilities, structures, equipment, and similar developments will be removed from the lease area within two years after the final termination of use of such facilities. Disturbed areas and those areas previously occupied by such facilities will be stabilized and rehabilitated, drainages reestablished, and the areas returned to a premining land use.

Forest Service Stipulation #15

In order to protect big game wintering areas, elk calving and deer fawning areas, sagebrush strutting areas, and other key wildlife habitat and/or activities, specific surface uses outside the mine development area may be curtailed during specified periods of the year.

Forest Service Stipulation #14

Existing Forest Service owned or permitted surface improvements will need to be protected, restored, or replaced to provide for the continuance of current land uses.

Forest Service Stipulation #13

The coal contained within and authorized for mining under this lease shall be extracted only by underground mining methods.

Forest Service Stipulation #12

If removal of timber is required for clearing of construction sites, etc., such timber shall be removed in accordance with the regulations of the surface management agency.

Forest Service Stipulation #11



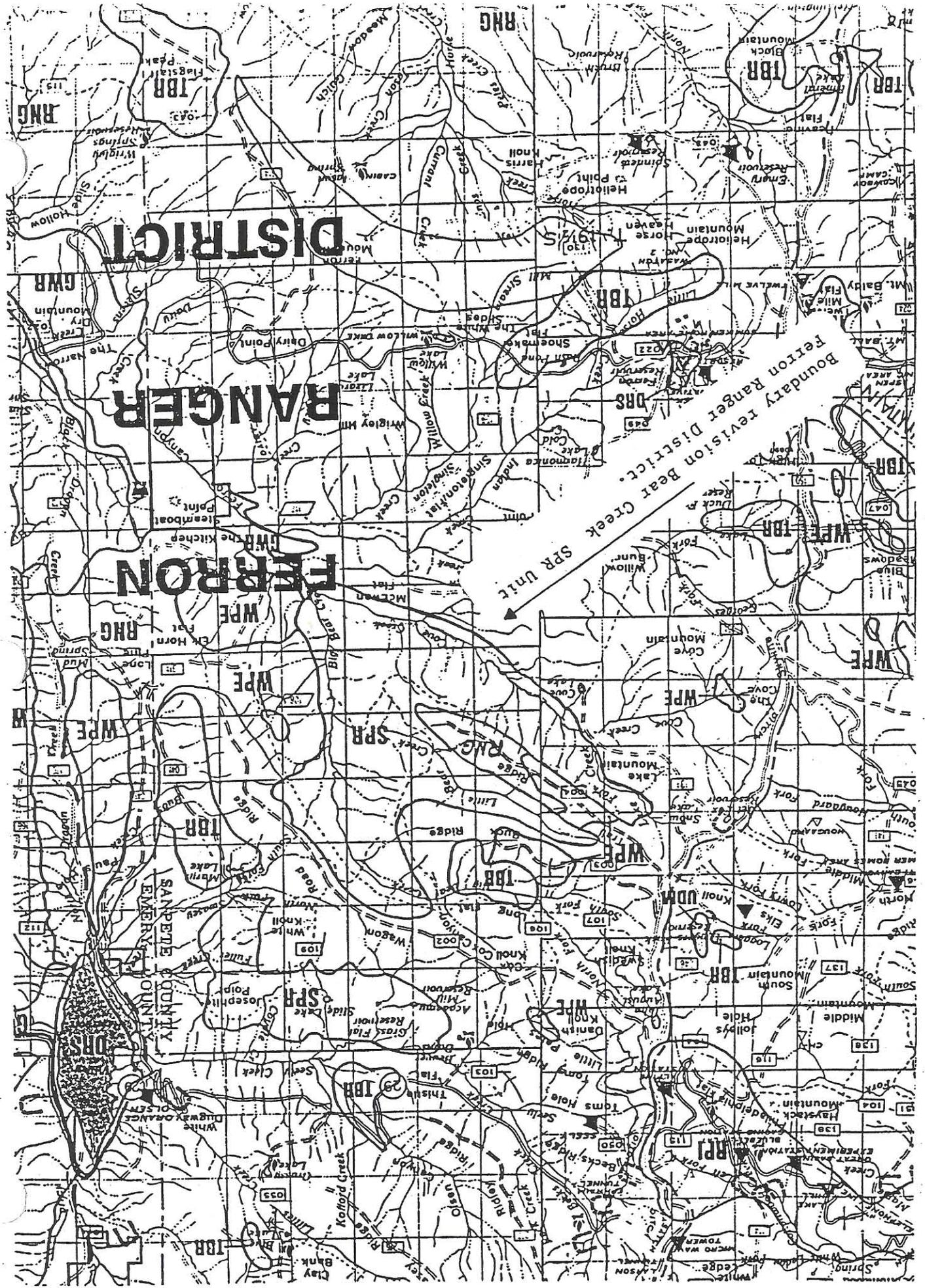
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SURFACE DISTURBANCE STIPULATIONS

FOREST SERVICE (R-4) SUPPLEMENT A  
TO FORM 3109-3

SERIAL NO. \_\_\_\_\_





**DISTRICT**

**RANGER**

**FERRON**

Boundary Revision Bear Creek SPR Unit

SANPETE COUNTY  
EMERY COUNTY

