San Juan National Forest Land and Resource Management Plan Administrative Change 9

Administrative changes, as defined at 36 CFR 219.13(c), are not plan amendments or revisions, do not require the preparation of a document under Forest Service National Environmental Policy Act (NEPA) procedures, and may be made at any time following public notice (219.16(c)(6)). Administrative changes include the following:

- Corrections of clerical errors;
- Changes to ensure conformance with new statutory or regulatory requirements; and
- Changes to other content in the plan (219.7(f)).

Administrative Change 9

The following errors in the San Juan National Forest Land and Resource Management Plan (Forest Plan) is being corrected through this administrative change:

Description: The Forest Plan incorrectly refers to an area west of Durango acquired by the San Juan National Forest in 1985 with a land acquisition as the Falls Creek Archeological Area.

The Anasazi National Register District is referred to in several ways in the Forest Plan. This includes Anasazi National Register Archeological District, Anasazi National Register District, and Anasazi Archeological Area.

Changes: The name of the area referred to as the Falls Creek Archeological Area will be changed to the Falls Creek Conservation Area to correctly reflect the original intent of the land acquisition to conserve wetland, wildlife, and archeological resources. The Anasazi National Register District will be referred to consistently throughout the Forest Plan.

The table below shows all pages in the Forest Plan where the names of these areas will be corrected.

Page	Content
ii	Table of Contents – Reference to Section 3.16
iv	List of Tables – Reference to Table 3.16.1
115	Section 2.16 – List of areas with significant heritage and cultural resources.
117	Objective 2.6.16 – Guideline discussing Anasazi Archeological District monitoring plan
126	Guideline 2.18.29 – Guideline listing avoidance areas for ROW, communications sites, and other land use authorizations.
132	Section 2.19 – Description of areas not available for lease
157	List of areas with specific management direction within the Columbine geographic area
180	Title of Section 3.16
180-181	Information in Section 3.16 describing the area, including all plan components related to the area and Table 3.16.1 showing allowable uses in the area.
207	Section 3.26 – Description of the McPhee area
213	Figure 3.27.2: Special Areas and Designations, San Juan National Forest
259	Section 4.1 – Monitoring Plan

The Falls Creek Archeological Area was also referenced several times in Appendix M – LRMP Components Related to Wildlife and the Anasazi Archeological Area was referenced in Appendix H – Oil and Gas Leasing Stipulations. The references to these two areas will be corrected in these Appendices.

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2.16 Heritage and Cultural Resources

Introduction

The SJNF has a long and rich prehistoric and historic record, with human settlement of the area spanning approximately 12,000 years. The archeological record within the planning area contains some of the earliest agricultural societies in the region. The historic period brought Spanish and Euro-American explorers, trappers, miners, and settlers into the area. This long record of human occupation has left one of the highest densities of prehistoric and historic heritage and cultural resources found in the United States. These sites have national, international, and Native American tribal significance.

Heritage and cultural resources are non-renewable resources that include historic and prehistoric artifacts, structures, sites, districts, and archival materials important for their scientific, educational, economic, traditional, and social values. Visitation to heritage and cultural resource sites within the planning area is an important contributor in the region's economy, and draws great interest from people from all over the world.

The USFS is responsible for identifying, evaluating, and protecting heritage and cultural resources on the public lands they manage. Significant heritage and cultural resources within the planning area include resources that are eligible for listing, or are already listed, on the National Register of Historic Places (NRHP) and Priority Heritage Assets.

Significant heritage and cultural resources within the SJNF include the Chimney Rock National Monument, the Falls Creek Conservation Area, the Anasazi National Register District, the Spring Creek National Register District, the Lost Canyon National Register District, and the historic mining sites along the Alpine Loop Back Country Byway.

The Old Spanish National Historic Trail briefly crosses through the USFS planning area. Authorized by Congress in December 2002, the Old Spanish National Historic Trail commemorates the first overland link from Santa Fe to California. While the Old Spanish Trail is currently mapped as crossing the planning area, very few localities associated with the trail have actually been identified and ground-truthed.

The heritage and cultural resources found within the planning area face numerous impacts from natural and human disturbances. Population and visitation growth and development impact non-renewable heritage and cultural resources both directly and indirectly. Direct impacts include disturbance from construction, vandalism, and excessive or inappropriate visitor use. Indirect impacts include accelerated erosion and visual impacts to cultural landscapes.

Under the direction of the LRMP, the SJNF heritage and cultural resources programs will be focused on three main areas of cultural resource management:

- Protecting archeological, historical, cultural, and traditional resources: this includes both proactive and reactive efforts, as well as offering support to other resource programs. Efforts and support activities include Section 106 of the National Historic Preservation Act (NHPA) support for federal undertakings and NHPA Section 110 efforts that implement proactive cultural resource management. Implementation of both Sections 106 and 110 of the NHPA can involve inventories, identification, documentation, evaluation, monitoring, consultation, nomination, preservation, site protection, mitigation, stabilization, and/or restoration of heritage and cultural resources.
- Providing research, education, and interpretive opportunities: Support research is provided by qualified permitted individuals, organizations, colleges and universities. On- and off-site educational and interpretive opportunities can be provided through a wide variety of materials and media (including signage, brochures, publications, presentations, DVDs, and websites).
- Working collaboratively with partners: This includes site stewards, volunteers, state and other federal agencies, local and tribal governments, schools and universities, and non-

2.16.16 Over the implementation life of the LRMP, implement the Anasazi National Register District Monitoring Plan and new site monitoring plans for the Lost Canyon and Spring Creek National Register Districts.

2.16.17 Over the life of the LRMP, partner with the Old Spanish Trail Association to ground truth the location of the segment of the Old Spanish National Historic Trail on the SJNF.

2.16.18 Over the life of the LRMP, develop at least one interpretive product in partnership with the Old Spanish Trail Association that interprets the Old Spanish National Historic Trail within the planning area.

2.16.19 Over the life of the LRMP, inventory high potential historic sites and trail routes of the Old Spanish Trail, develop a national trail management corridor, and establish goals and objectives for national trails.

Standards

2.16.20 The portions of the Animas City to Silverton Wagon Road (5LP1258) that are within the SJNF must be retained under federal ownership and management. All portions of this historic wagon road on federal lands are not available for future disposals or exchanges. This eligible site will be preserved and managed as a Priority Heritage Asset.

2.16.21 *This standard was applicable only to BLM lands*.

Guidelines

2.16.22 Activities that could adversely affect sites eligible or potentially eligible for the NRHP should avoid these sites by a minimum of 300 feet, unless otherwise specified by the Authorized Officer, and/or unless other mitigating measures are developed. If a project is specified by the Authorized Officer to be within 100 feet of an eligible or unevaluated site, all ground-disturbing activity should be monitored by a qualified archaeologist.

2.16.23 **Old Spanish National Historic Trail:** A literature search and/or Class III cultural resources survey should be conducted within 0.5 mile of either side of the centerline of the Congressionally designated Old Spanish National Historic Trail in high potential segments, prior to authorization of ground-disturbing activities, or activities that could substantially interfere with the nature and purposes of the trail.

Additional Guidance

Policy and Handbooks

- FSM 2360, Special Interest Areas

Executive Orders

- EO 11593, Protection and Enhancement of the Cultural Environment
- EO 13007, Providing for American Indian and Alaska Native Religious Freedom and Sacred Land Protections
- EO 13084, Consultation and Coordination with Indian Tribal Governments
- EO 13195, Trails for America in the 21st Century
- EO 13287, Preserve America

Management Plans

- USFS Draft Old Spanish Trail Corridor Management Plan, 1981

2.18.29 The following areas are identified as avoidance areas for ROW, communications sites, and other land use authorizations: all areas having high through very high SIO, lands managed for wilderness characteristics, Dolores River Canyon, Chimney Rock National Monument, Falls Creek Conservation Area, Anasazi National Register District, and special botanical areas.

2.18.30 The following areas are identified as exclusion areas for ROWs, communications sites, and other land use authorizations: wilderness areas, WSAs, RNAs, wild segments of eligible WSR, and MA1.

2.18.31 Energy transmission facilities should be consolidated within existing corridors and along existing linear energy transmission facilities in order to reduce habitat loss, degradation, and fragmentation resulting from new construction.

2.18.32 Communication sites should be designed to minimize the visual appearance of structures. Communication antennas should use non-reflective surfaces or be painted, where possible, to minimize visual impacts.

Additional Guidance

- FSM 1920, 2700, 2760, 5400, 5500, 5590
- FSH 2509.25, 2709, 5409

Figure 2.18.1: Lands Available for Disposal, Tres Rios Field Office

This figure was applicable only to BLM lands

- **No Surface Occupancy (NSO):** Use or occupancy of the land surface for fluid mineral (oil and gas) exploration or development is prohibited to protect identified resource values. However, oil and gas under lands affected by NSO stipulation are legally available for extraction if extraction can be accomplished without occupying the surface (such as through directional drilling or otherwise accessing the reservoir from adjacent lands). Technological limitations and higher cost will affect the recovery of these resources, but they are available.

  The NSO stipulation is intended for application only where the SJNF determines that the standard lease terms are insufficient to provide the level of resource protection necessary to protect the public interest. An NSO stipulation is not needed if the desired level of protection can be accomplished by relocating a proposed facility or activity within the lease area or by avoiding that activity for a specified period.

- **Controlled Surface Use (CSU):** Use or occupancy of the land surface for fluid mineral (oil and gas) exploration or development is allowed but identified resource values require special operational constraints that may modify lease rights. A CSU stipulation allows the SJNF to require that a proposed facility or activity be relocated from the proposed location, or otherwise modified if necessary to achieve the desired level of protection. CSU provides operating guidance but does not substitute for NSO or TL stipulations. CSU allows year-round occupancy and accessibility to leased lands while providing mitigation of effects on other resources.

- **Timing Limitation (TL):** Use or occupancy of the land surface for fluid mineral (oil and gas) exploration or development is prohibited during a specified period of the year. The scope of the TL stipulation goes beyond ground-disturbing activities to encompass any source of protracted or high-intensity disturbance that could interfere with normal wildlife behavior and adversely affect habitat use. The limitation is applied annually for a specified period. The TL stipulation does not apply to the operation and maintenance of production facilities unless the analysis demonstrates the continued need for such mitigation and that less stringent project-specific mitigation measures (such as Conditions of Approval) would not be sufficient. The TL stipulation provides for partial accessibility for a portion of the year and maintains the potential for extraction of oil and gas, but may increase costs due to timing constraints (such as a short operating season).

- **Not Available for Lease:** The following resources and areas are not available for lease on SJNF lands—lands recommended for wilderness designation, WSAs; wild segments of suitable WSR, Chimney Rock National Monument, the Anasazi National Register District, and the Falls Creek Conservation Area.

Table 2.19.1 displays the availability of the SJNF by acres of land for leasing and application of stipulations to leases.

Table 2.19.1: Acres Available for Leasing and Lease Stipulations

Federal Mineral Status	Acres
SJNF Lands (surface and mineral estate)	
Total National Forest Surface Estate	**1,866,845**
Total National Forest Mineral Estate	**1,798,224**
Withdrawn from leasing (designated wilderness, Piedra Area) or Coal Only	589,272
Administratively Not Available for Lease	25,695
Total National Forest Available for Leasing	**1,183,257**
Available for leasing with NSO stipulation	939,218
Available for leasing with CSU stipulation	1,024,209
Available for leasing with TL stipulation	626,820
Available for leasing with standard lease terms	63,213

3.1 Tres Rios Field Office Geographic Area

This area is applicable only to BLM lands.

3.2 Dolores Ranger District Geographic Area

The Dolores Ranger District geographic area lies predominantly in Montezuma, Dolores, and San Miguel Counties, and consists of approximately 597,126 acres of NFS lands. The social center of this geographic area is the town of Cortez (with a population of approximately 8,500 people). Cortez is the Montezuma County seat, as well as the commercial center for the smaller communities of Mancos, Dolores, Rico, and Dove Creek (which is the Dolores County seat), all with populations of 1,200 or less.

The main river systems of this geographic area are the Mancos River (which has headwaters in the La Plata Mountains) and the Dolores River (which has headwaters in the Lizard Head wilderness). Both rivers provide irrigation for pastures, hay meadows, and other crops on private lands in the area. McPhee Reservoir, on the Dolores River, is the second largest body of water in Colorado. It is an important recreation area, as well as a source of domestic and irrigation water. Use of water from these rivers has greatly affected both historical settlement patterns and current land uses.

Significant portions of the San Juan Skyway traverse the Dolores geographic area (including U.S. Highway 145, from Lizard Head Pass down through Rico to Dolores and Cortez, and from there U.S. Highway 160 to the Montezuma-La Plata County line, which is the boundary with the Columbine geographic area). Other major segments of the skyway are to the east, in the Columbine geographic area, and on the Uncompahgre National Forest to the north (going through Ouray, Ridgway, and Telluride). Since its designation as a scenic byway, the San Juan Skyway has been one of the most popular recreation attractions in southwest Colorado. It is one of only 26 All-American Roads in the United States. The skyway's diverse natural and cultural resources, combined with its unique and spectacular scenery, give it a claim as one of the crown jewels of scenic byways in the entire nation. Portions of the Trail of the Ancients Scenic Byway are also located within the Dolores geographic area.

The area includes high densities of significant Puebloan archeological sites (including the Anasazi National Register District around McPhee Reservoir), as well as more modern mining, railroad, logging, and grazing historical sites.

The San Juan Mountains, which are part of the southern Rocky Mountains, fall into the South-Central Highlands Section. The San Juan Mountains are unusual within the north-south orientation of the Rocky Mountains, in that they are a large mountain range with an east-west orientation. This part of the geographic area includes the Lizard Head wilderness and several CRAs (including Storm Peak, Ryman, Black Hawk Mountain, and portions of San Miguel and Hermosa). This area has much less human development than the rest of the Dolores geographic area, with most of the development occurring on private land in the Dolores River valley (including the town of Rico). The area also contains some roads associated with historic, and current, timber harvesting and historic mining (especially near Rico). Big game hunting is popular in the fall. Aspen trees are an important component of the vegetation here, both for their scenic quality and to support the wood product plants in the area.

"The Pine Zone" is located on the west side of the geographic area and was heavily logged in the early 1900s. This area is still being logged; however, the emphasis is now on restoring more natural conditions. Cattle grazing occurs over most of the area. The area is also popular for big game hunting.

Desired Conditions

3.2.1 Public lands continue to function as "working lands." Collaborative forest health and rangeland management practices reduce wildfire hazards, contribute to the viability of private ranch lands, and sustain ecosystem services (including watershed health and wildlife habitat). The local economy benefits from, and contributes to, sustainable resource management, as well as the preservation of open space.

See relevant sections in Chapter 3 for specific management direction for the following areas within the Columbine geographic area:

- Wilderness (Weminuche and Hermosa Creek)
- USFS recommended wilderness areas (a portion of the Hermosa CRA and the Elk Park portion of the Weminuche Adjacent CRA)
- Recommended WSR segments (Hermosa Creek and tributaries, Los Pinos and tributaries, above Vallecito Reservoir)
- RNAs (Electra and Hermosa)
- Botanical areas (Chattanooga Iron Fen)
- Conservation areas (Falls Creek)
- Scenic, historic, and backcountry byways (portions of the San Juan Skyway)
- National recreation and scenic trails (portions of the Continental Divide National Scenic Trail and the Colorado Trail)
- Special Areas (HD Mountains)

Management Area Composition: Table 3.3.1 shows the distribution of MAs within the Columbine geographic area.

Table 3.3.1: Management Area Distribution in the Columbine Geographic Area

Management Area	Acres	Percentage of Geographic Area (USFS lands)
MA 1: natural processes dominate	300,795	43.7%
MA 2: special areas and designations	119,204	17.4%
MA 3: natural landscapes, with limited management	176,106	25.6%
MA 4: high-use recreation emphasis	29,258	4.3%
MA 5: active management (commodity production in order to meet multiple-use goals)	51,975	7.6%
MA 7: public and private lands intermix	7,832	1.1%
MA 8: highly developed areas	2,366	0.3%
Total	**687,536**	**100%**

3.4 Pagosa Ranger District Geographic Area

The Pagosa geographic area is the easternmost geographic area in the planning area. It is bounded by the Continental Divide (the boundary with the Rio Grande National Forest) on the north and the east. It is predominantly situated in Archuleta, Hinsdale, and Mineral Counties, with some lands in Rio Grande and Conejos Counties. The Pagosa Ranger District consists of approximately 585,770 acres of NFS lands.

The social center of the geographic area is the town of Pagosa Springs (with a population of approximately 1,620 people). Although Pagosa Springs is the only incorporated town in the geographic area, much of the population of Archuleta County (with a population of approximately 10,000 people) is in low-density residential and second-home enclaves, most notably in the Pagosa Lakes area. The geographic area includes significant acres of Hinsdale and Mineral Counties, but the towns, as well as almost all of the population of those counties, are situated north of the Continental Divide and the Weminuche Wilderness area (with little social connection and limited road access to the residents and businesses in the Pagosa geographic area).

Pagosa Springs sits at the intersection of U.S. Highway 160 (before the road turns north to head over Wolf Creek Pass) and U.S. Highway 84 (which heads south into northern New Mexico). Pagosa Springs was historically a compact sawmill and ranching town, with a Hispanic and pioneer Anglo ranching and sawmilling culture supported by productive forest land and livestock grazing. The area has long-standing ties with people coming out of Texas and New Mexico in the summer (to where it is cool and green) and from around the county in the fall (many to hunt big game). Besides the pleasant climate, the area is

3.13 Gypsum Valley Area of Critical Environmental Concern (Tres Rios Field Office)

This area was applicable only to BLM lands.

3.14 Anasazi Culture Area of Critical Environmental Concern (Tres Rios Field Office)

This area was applicable only to BLM lands.

3.15 Mesa Verde Escarpment (Tres Rios Field Office)

This area was applicable only to BLM lands.

3.16 Falls Creek Conservation Area

Falls Creek Valley may contain archeological resources that could aid in efforts to study the earliest agricultural and sedentary societies in the southwestern United States. The area is an important and highly valued place for Native Americans, who view it as part of their heritage. The Falls Creek Conservation Area contains one of the earliest and best dated Basketmaker II sites ever documented. In 1988 the SJNF designated the area as the Falls Creek Archaeological Special Interest Area. These sites are preserved and protected for their scientific, educational, social, and cultural values.

The west side of the Falls Creek Conservation Area is currently closed to the public; however, the area east of the road is frequented on a year-round, daily basis by residents and visitors taking advantage of the close proximity to Durango in order to enjoy the scenic beauty, open space, and recreational opportunities (Figure 3.27.2). The historic landscape, including the irrigated hayfields of the Hidden Valley Ranch, is managed by the SJNF. The Hidden Valley Ranch provides a window into the area's ranching heritage (offering one of the only hayfields open to public recreation anywhere in the region). These fields are managed in order to provide nutritious forage for big game dependent on this mild, southern exposure lowland for winter habitat. This area has been managed by the USFS as critical big game winter range since the land was acquired by the SJNF in 1985.

The Falls Creek Conservation Area will continue to emphasize protection and preservation of significant archaeological deposits, wildlife diversity and maintenance of critical big game winter habitat, and compatible non-motorized recreational opportunities.

Desired Conditions

3.16.1 Archeological sites are protected and preserved for their scientific, educational, social, and cultural values.

3.16.2 Native American values are respected and preserved, and tribal members are provided special access to the area.

3.16.3 Access to the Falls Creek Rock Shelter is allowed to educational institutions through a special use permit.

3.16.4 Historic viewsheds (including the historic hayfields) are protected, enhanced, and preserved.

3.16.5 Native American tribes and Pueblos are consulted with regard to the development of appropriate off-site educational materials.

3.16.6 NAGPRA repatriation of items removed during the 1930s excavation is completed (including analysis of these items necessary in order to complete the cultural affiliation study).

3.16.7 The area continues to provide critical big game winter range habitat.

3.16.8 Wetlands are managed in order to retain the floral and faunal diversity that currently exists.

Objectives

3.16.9 Within 5 years, create a dispersed recreation plan that is congruent with desired conditions and that would be incorporated into the LRMP for the Falls Creek Conservation Area.

3.16.10 Within 1 year, implement a site-steward program.

3.16.11 Within 5 years, develop and implement a rock art preservation plan in order to mitigate deterioration.

3.16.12 Within 5 years, develop appropriate and sensitive off-site interpretive and educational materials. Make the information from the collection analyses available to researchers.

Table 3.16.1 shows the allowable, prohibited, and restricted management activities and uses for the Falls Creek Conservation Area.

Table 3.16.1: Falls Creek Conservation Area Allowable Uses

Management Activities and Uses	Allowable - Prohibited - Restricted
Fire managed for resource benefit	Restricted in order to protect significant archaeological resources
Prescribed burning	Restricted (archaeological and historic resources must be protected from impacts from fire)
Mechanical fuels treatment	Restricted (archeological and historic resources must be protected)
Timber production (scheduled on a rotation basis)	Prohibited
Timber harvesting as a tool	Restricted (archeological and historic resources must be protected)
Commercial use of special forest products and firewood	Prohibited
Land use ROWs, special use permits, and utility corridors	Restricted to minimize impacts to archeological resources and protect viewshed
Livestock grazing	Prohibited
Facilities	Restricted to interpretive/informational signs, trailheads, and trails
Motorized (summer)	Restricted to designated roads and trails
Motorized (winter)	Restricted
Non-motorized (summer and winter)	Restricted
Mechanical transport	Restricted to designated roads and trails
Road construction (permanent or temporary)	Prohibited
Minerals - leasable (oil and gas, and other)	Administratively not available
Minerals - locatable	Allowable (open to mineral entry, but impacts to archaeological resource must be minimized; the agency can petition for the area to be withdrawn from mineral entry)
Minerals - saleable (materials)	Prohibited

3.25.32 Twice per year, treat Spring Creek, Salt Canyon and Fosset Gulch in order to control noxious weeds (primarily musk thistle) with funds provided by the USFS and/or BLM and/or obtained through collection agreements/other funding instruments executed with oil and gas permittees.

Table 3.25.1 shows the allowable, prohibited, and restricted management activities and uses for the HD Mountains MA 2.

Table 3.25.1: HD Mountains Allowable Uses

Management Activities and Uses	Allowable - Restricted - Prohibited
Fire managed for resource benefit	Allowable
Prescribed burning	Allowable
Mechanical fuels treatment	Restricted (treatments generally would not be allowable in the core roadless area)
Timber production (scheduled on a rotation basis)	Prohibited
Timber harvesting as a tool	Restricted
Commercial use of special forest products and firewood	Allowable
Land use ROWs, special use permits, and utility corridors	Restricted (to minimize impacts; should utilize existing corridors and disturbed areas where practicable)
Livestock grazing	Allowable
Facilities	Restricted (facilities would not be allowed within the roadless area and would generally be limited throughout the entire area)
Motorized (summer)	Restricted (summer motorized travel is suitable and may occur on designated routes; seasonal motorized restrictions may apply in order to protect resources and wildlife habitat areas)
Motorized (winter)	Prohibited
Non-motorized (summer and winter)	Allowable
Mechanical transport	Allowable
Road construction (permanent or temporary)	Restricted (road development would be limited to lease contract obligations and for restoration management, as necessary)
Minerals - leasable (oil and gas, and other)	Restricted (NSO, CSU or TL stipulations may apply)
Minerals - locatable	Allowable (open to mineral entry per the 1872 Mining Law; however, the exploration and development of mining claims may be subject to restrictions to protect resources)
Minerals - saleable (materials)	Prohibited

3.26 McPhee

The McPhee area includes the Anasazi National Register District and McPhee Dam (see Figure 3.27.2). With over 997 archeological sites, the Anasazi National Register District contains one of the densest concentrations of Ancestral Puebloan sites in the southwestern United States. These sites were identified and documented during the Dolores Archeological Project. In 1977, the district was established in recognition of this unique concentration of nationally significant cultural resources and landscapes. These sites are associated with Basketmaker III (A.D. 500–750), Pueblo I (A.D. 750–900), and Pueblo II (A.D. 900–1150) culture periods. Rising and falling water levels associated with management of McPhee Reservoir continue to impact these sites causing erosion, loss of archaeological resources, and NAGPRA issues.

McPhee Dam was constructed on the Dolores River in order to provide storage for irrigation and municipal and industrial water in southwest Colorado. McPhee Reservoir also provides outstanding recreation opportunities for boating, fishing, hiking, and ATV use.

The McPhee area also includes the McPhee Reservoir Sauropod Locality. The sauropod is an important dinosaur fossil that will be protected and preserved as required by the PRPA. This significant fossil is

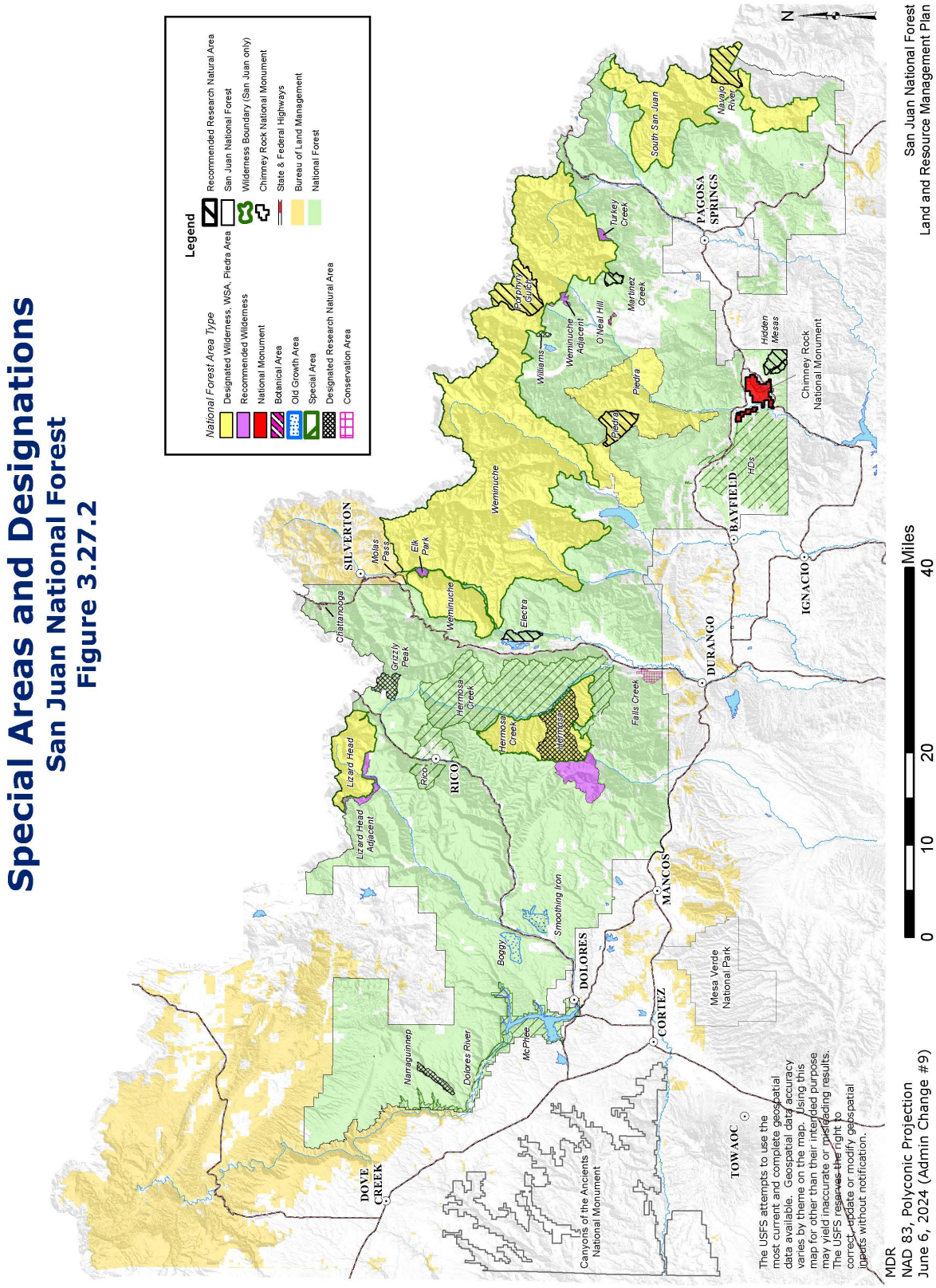

Figure 3.27.2: Special Areas and Designations, San Juan National Forest

vii. Desired Conditions and Objectives Including Multiple Use					
Monitoring Question	**Desired Conditions and Objectives**	**Indicators**	**Scale**	**Frequency of Reporting**	**Sources and/or Partners**
Is wildland fire being effectively utilized to achieve desired conditions?	**DC 2.11.3** Wildland fire management maintains a balance between fire suppression and use of wildland fire (including both prescribed fire and natural ignitions) to regulate fuels and maintain forest ecosystems in desired conditions. **DC 2.11.7** Planned and unplanned fire ignitions are used to increase resiliency and diversity across all forest and rangeland vegetation types. **Obj 2.11.11** Annually, for the next 10 years, complete an average of 4,000 acres of fuels reduction and resource enhancement, utilizing fire managed for resource benefit on SJNF lands.	Number of naturally ignited wildfires managed for resource benefit Number of naturally ignited wildfire acres managed for resource benefit Number of acres of prescribed fire	SJNF	Annually	FIRESTAT, FACTS
How many significant heritage/cultural resources in danger of being lost have been protected/preserved/stabilized?	**DC 2.16.1** Significant heritage and cultural resources, such as USFS Priority Heritage Assets and sites on the NRHP, are maintained in good to excellent physical condition. Significant cultural values are protected or preserved. Heritage and cultural sites are preserved and stabilized, and may be available for interpretation and research; they may have site- specific management plans. Sites are protected from physical damage and excessive wear and tear resulting from visitor use. **Obj 2.16.13** Over the implementation-life of the LRMP, protect/preserve/stabilize at least seven significant heritage/cultural resources that have identified deferred maintenance needs that if not addressed will result in loss of the resource. **Obj 2.16.16** Over the implementation life of the LRMP, implement the Anasazi National Register District Monitoring Plan and new site monitoring plans for the Lost Canyon and Spring Creek National Register Districts.	Heritage program managed to standard and Secretary's report to Congress: Number of heritage/cultural sites stabilized	SJNF	10 years	Colorado State Historic Preservation Office, Tribes, volunteers, schools, State Historical Fund, grants

Exception: The Authorized Officer may grant an exception to a stipulation if it is determined that the factors leading to its inclusion in the lease have changed sufficiently such that 1) the protection provided by the stipulation is no longer justified or necessary to meet resource objectives established in the LRMP, or 2) proposed operations would not cause unacceptable impacts. The Authorized Officer may require additional plans of development, surveys, mitigation proposals, or environmental analysis, and may consult with other government agencies and/or the public in order to make this determination.

Modification: The Authorized Officer may modify a stipulation or the area subject to the stipulation if it is determined that the factors leading to its inclusion in the lease have changed sufficiently. The Authorized Officer may modify a stipulation as a result of new information if 1) the protection provided by the stipulation is no longer justified or necessary to meet resource objectives established in the LRMP, 2) the protection provided by the stipulation is no longer sufficient to meet resource objectives established in the LRMP, or 3) proposed operations would not cause unacceptable impacts. The Authorized Officer may require additional plans of development, surveys, mitigation proposals, or environmental analysis, and may consult with other government agencies and/or the public in order to make this determination.

Waiver: The Authorized Officer may waive a stipulation if it is determined that the factors leading to its inclusion in the lease no longer exist. The Authorized Officer may require additional plans of development, surveys, mitigation proposals, or environmental analysis, and may consult with other government agencies and/or the public in order to make this determination.

On BLM federal mineral estate leases, exceptions, modifications, and waivers would be considered for all leasing stipulations in this appendix. Detailed exceptions, modifications and waivers identified under each of the stipulations apply only to leases USFS mineral estate lands.

Lease Notice

In addition to standard lease terms and special lease stipulations, the SJNF and TRFO may attach a Lease Notice to the lease. The Lease Notice provides information concerning limitations that already exist in law, lease terms, regulation or operational orders. A Lease Notice also addresses special items the lessee should consider when planning operations, but does not impose new or additional restrictions beyond those already in the standard lease term or special lease stipulations.

Split Estate

In split estate situations, the surface rights and subsurface rights (such as the rights to develop minerals) for a piece of land are owned by different parties. In these situations, mineral rights are considered the dominant estate, meaning they take precedence over other rights associated with the property, including those associated with owning the surface. However, the mineral owner must show due regard for the interests of the surface estate owner and occupy only those portions of the surface that are reasonably necessary to develop the mineral estate. The USFS and BLM cannot apply lease stipulations to a private mineral action.

Not Available for Lease

The following resources and areas are not available for lease on SJNF and TRFO lands: lands recommended for wilderness designation, wilderness study areas; wild segments of suitable Wild and Scenic Rivers (WSR), Chimney Rock National Monument, and the Anasazi National Register District and Falls Creek National Register District.

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.13._ Access and Travel Management	Desired Conditions	1, 2, 8, 13
				Objectives	19
				Standards	22
				Guidelines	23, 24, 25,27
			2.14._ Recreation	Desired Conditions	1, 5, 11 20, 22, 25, 28
				Objectives	49
			2.15._ Scenery and Visual Resource Management	Desired Conditions	2
				Objectives	19
			2.18._ Lands and Special Uses	Desired Conditions	3
				Guidelines	13, 15, 16, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 2, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 7, 10, 12, 13, 15
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 7, 8, 9, 11
			3.3._ Columbine Geographic Area	Desired Conditions	1, 3, 4, 7, 8, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.22._ Smoothing Iron and Boggy Draw Old Growth Recruitment Areas	Desired Conditions	1, 2, 3, 5
				Objectives	3.1, 3.6, 3.7, 3.8
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8
			3.25._ HD Mountains Unique Landscape	Desired Conditions	8, 11, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25
				Objectives	29, 30, 31, 32

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.18._ Lands and Special Uses	Desired Conditions	3, 4
				Guidelines	13, 15, 16, 24, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 6, 7, 8, 11, 12, 13, 14, 15
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 7, 8, 9, 10, 11
			3.3._ Columbine Geographic Area	Desired Conditions	1, 3, 4, 7, 8, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
				Guidelines	9
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.21._ Chattanooga Special Botanical Area	Desired Conditions	1, 3, 4, 5
				Standards	9
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8
			3.25._ HD Mountains Unique Landscape	Desired Conditions	3, 4, 8, 11, 14, 15, 16, 17, 18, 19, 21, 22, 23, 25
				Objectives	29, 30, 31, 32
			3.26._ McPhee	Desired Conditions	2
			3.27._ Rico	Desired Conditions	10, 11
			Appendix H. Oil and Gas*		1, 2, 3, 6, 7, 8, 9, 12, 28, 29, 37, 38, 39, 40

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.11._ Fire and Fuels Management	Desired Conditions	3, 6, 7, 8, 9
				Objectives	11, 12
				Standards	13, 14
				Guidelines	15, 16, 17
			2.12._ Air Quality	Desired Conditions	2
				Objectives	9, 10
				Standards	11, 12, 13, 14, 15, 16, 17, 18, 19, 20
				Guidelines	21, 22, 23, 24, 25, 26
			2.13._ Access and Travel Management	Desired Conditions	1, 2, 8, 12, 13
				Objectives	19
				Standards	22
				Guidelines	23, 24, 25, 27, 28, 29, 30, 31
			2.14._ Recreation	Desired Conditions	1, 5, 11, 20, 22, 25, 28, 35, 36, 37, 38
				Objectives	59
			2.15._ Scenery and Visual Resource Management	Desired Conditions	2
				Guidelines	19
			2.18._ Lands and Special Uses	Desired Conditions	3, 4
				Guidelines	13, 15, 16, 24, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	1, 2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 7, 8, 10, 12, 13, 14, 15
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 7, 8, 9, 10, 11
			3.3._ Columbine Geographic Area	Desired Conditions	4, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
				Guidelines	9
			3.16._ Falls Creek Conservation Area	Desired Conditions	7, 8

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8
			3.25._ HD Mountains Unique Landscape	Desired Conditions	8, 14, 17, 18, 23
				Objectives	29, 30
			3.27._ Rico	Desired Conditions	10, 11, 12
			Appendix H. Oil and Gas*		1, 2, 3, 6, 28, 37, 38, 39, 40
Black swift (Cypseloides niger)	BCC, BLM and USFS Sensitive	Riparian, Cliff rock	2.2._ Terrestrial Ecosystems and Plant Species	Desired Conditions	1, 2, 3, 4, 5, 6, 8, 9, 15, 16, 17, 18, 19, 21, 25, 26, 27, 33, 34, 35, 36, 37, 38, 39, 41
				Objectives	45, 48, 49, 50, 51, 57, 58, 59, 60, 61, 62, 63, 64
				Standards	65
				Guidelines	69, 70, 74, 76, 77, 78, 82, 83, 84, 86
			2.3._ Terrestrial Wildlife	Desired Conditions	1, 3, 4, 10, 12, 13, 14, 17, 18
				Objectives	24, 25, 30
				Guidelines	50, 55, 58
			2.4._ Riparian Area and Wetland Ecosystems	Desired Conditions	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12
				Objectives	13, 15, 17
				Standards	19, 20, 21
				Guidelines	22, 24, 25, 26, 27, 28
			2.5._ Aquatic Ecosystems and Fisheries	Desired Conditions	1, 2, 3, 4, 5, 6, 7, 8
				Objectives	15
				Standards	18a, 18b, 18c, 18d
				Guidelines	24, 26
			2.6._ Water Resources	Desired Conditions	1, 2, 7, 8, 9, 11, 12, 13, 14, 15
				Objectives	19, 21, 22, 23
				Standards	29, 30
				Guidelines	32, 35, 36, 37, 38, 39
			2.7._ Livestock and Rangeland Management	Desired Conditions	4, 5, 6
				Guidelines	28, 33, 34
			2.8._ Invasive Species	Desired Conditions	1, 2, 3, 4, 5
				Objectives	6, 7, 8, 9
				Standards	10, 12, 18
			2.9._ Timber and Other Forest Products	Desired Conditions	1, 4
				Objectives	11
				Standards	16
				Guidelines	18
			2.10._ Insects and Disease	Desired Conditions	1, 2, 3, 4

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	1, 2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 2, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 3, 7, 8, 10, 11, 15
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 7, 11
			3.3._ Columbine Geographic Area	Desired Conditions	4, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1, 9
			3.16._ Falls Creek Conservation Area	Desired Conditions	7, 8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.22._ Smoothing Iron and Boggy Draw Old Growth Recruitment Areas	Desired Conditions	1, 2, 3, 4, 5, 6
				Objectives	8, 9, 10
			3.23._ Dolores River Canyon	Desired Conditions	1
				Objectives	6, 7, 8
			3.25._ HD Mountains Unique Landscape	Desired Conditions	11, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25
				Objectives	28, 29, 30, 31, 32
			3.26._ McPhee	Desired Conditions	2
			3.27._ Rico	Desired Conditions	6
			Appendix H. Oil and Gas*		1, 8, 9, 10, 11, 12, 28, 29, 30, 31, 32, 33, 34, 37, 38, 39, 40

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.12._ Air Quality	Desired Conditions	1, 2, 7
				Objectives	8
				Standards	11, 12, 13, 14, 15, 16, 17, 18, 19 20
				Guidelines	21, 22, 23, 24, 25, 26
			2.13._ Access and Travel Management	Desired Conditions	1, 2, 8, 13
				Objectives	19
				Standards	22
				Guidelines	23, 24, 25, 27, 28
			2.14._ Recreation	Desired Conditions	1, 5, 11, 20, 22, 25, 28
				Objectives	59
			2.15._ Scenery and Visual Resource Management	Desired Conditions	2
				Guidelines	19
			2.18._ Lands and Special Uses	Desired Conditions	3, 4
				Guidelines	13, 15, 16, 24, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	1, 2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 2, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 10, 13, 14, 15
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 7, 8, 9, 10, 11
			3.3._ Columbine Geographic Area	Desired Conditions	4, 7, 8, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.21._ Chattanooga Special Botanical Area	Desired Conditions	2, 3, 4, 5
				Standards	9
			3.22._ Smoothing Iron and Boggy Draw Old Growth Recruitment Areas	Desired Conditions	1, 2, 3, 4, 5, 6
				Objectives	8, 9, 10

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.12._ Air Quality	Desired Conditions	2, 7
				Standards	11, 12, 13, 14, 15, 16, 17, 18, 19, 20
				Guidelines	21, 22, 23, 24, 25, 26
			2.13._ Access and Travel Management	Desired Conditions	1, 2, 8, 13
				Objectives	19
				Standards	22, 23, 24, 25, 27, 28
			2.14._ Recreation	Desired Conditions	1, 5, 11, 20, 22, 25, 28
				Objectives	59
			2.15._ Scenery and Visual Resource Management	Desired Conditions	2
				Guidelines	19
			2.18._ Lands and Special Uses	Desired Conditions	3, 4
				Guidelines	13, 15, 16, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	1, 2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 2, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 7, 8, 11, 12, 13
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 8, 9
			3.3._ Columbine Geographic Area	Desired Conditions	4, 7, 8, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
				Guidelines	9
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.21._ Chattanooga Special Botanical Area	Desired Conditions	3, 4, 5
				Standards	9

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.12._ Air Quality	Desired Conditions	2, 7
				Standards	11, 12, 13, 14, 15, 16, 17, 18, 19, 20
				Guidelines	21, 22, 23, 24, 25, 26
			2.13._ Access and Travel Management	Desired Conditions	1, 2, 8, 13
				Objectives	19
				Standards	22
				Guidelines	23, 24, 25, 27, 28
			2.14._ Recreation	Desired Conditions	1, 5, 11, 20, 22, 25, 28
				Objectives	59
			2.15._ Scenery and Visual Resource Management	Desired Conditions	2
				Guidelines	19
			2.18._ Lands and Special Uses	Desired Conditions	3, 4
				Guidelines	13, 15, 16, 24, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	1, 2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 2, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 7, 8, 13
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 9
			3.3._ Columbine Geographic Area	Desired Conditions	4, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
				Objectives	
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
				Guidelines	9
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
			3.16._ Falls Creek Conservation Area	Desired Conditions	6, 8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.21._ Chattanooga Special Botanical Area	Desired Conditions	1, 3, 4, 5
				Standards	9
			3.22._ Smoothing Iron and Boggy Draw Old Growth Recruitment Areas	Desired Conditions	1, 2, 3, 4, 5, 6
				Objectives	8, 9, 10
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8
			3.24._ Silverton	Desired Conditions	4, 9, 10
			3.25._ HD Mountains Unique Landscape	Desired Conditions	3, 4, 8, 11, 15, 16, 17, 18, 19, 20, 21, 22, 23, 25
				Objectives	28, 30
			3.26._ McPhee	Desired Conditions	2
			3.27._ Rico	Desired Conditions	6, 7, 10, 11
			Appendix H. Oil and Gas*		1, 2, 3, 4, 5, 8, 9, 10, 11, 12, 13, 31, 32, 33, 37, 38, 39, 40
Gunnison's prairie dog (Cynomys gunnisoni)	BLM and USFS Sensitive, State game sps.	Grasslands, Mountain shrublands, Sagebrush shrublands, Semi-desert shrublands	2.2._ Terrestrial Ecosystems and Plant Species	Desired Conditions	1, 2, 3, 4, 5, 6, 9, 11, 12, 14, 16, 17, 18, 19, 30, 31, 32, 33, 35, 36, 37, 38, 39, 40
				Objectives	45, 56, 57, 58, 59, 62
				Standards	65
				Guidelines	69, 73, 75, 76, 79, 80, 84, 86
			2.3._ Terrestrial Wildlife	Desired Conditions	1, 3, 4, 5, 7, 10, 11, 12, 14, 17, 18
				Objectives	24, 25, 30
				Guidelines	50, 58
			2.6._ Water Resources	Desired Conditions	12, 22, 23
				Guidelines	32, 36, 37, 38, 39
			2.7._ Livestock and Rangeland Management	Desired Conditions	2, 4, 5, 6, 7
				Objectives	9
				Guidelines	15, 16, 17, 18, 19, 21, 24, 25, 26, 27, 29, 30, 32, 33, 34

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.11._ Fire and Fuels Management	Desired Conditions	3, 6, 7, 8, 9
				Objectives	11, 12
				Standards	13, 14
				Guidelines	15, 16, 17
			2.12._ Air Quality	Desired Conditions	1, 2, 7
				Standards	11, 12, 13, 14, 15, 16, 17, 18, 19, 20
				Guidelines	21, 22, 23, 24, 25, 26
			2.13._ Access and Travel Management	Desired Conditions	1, 2, 8, 13
				Objectives	19
				Standards	22
				Guidelines	23, 24, 25, 27, 28, 29, 30, 31
			2.14._ Recreation	Desired Conditions	1, 5, 11, 20, 22, 25, 28, 36, 38
				Objectives	59
			2.15._ Scenery and Visual Resource Management	Desired Conditions	2
				Guidelines	19
			2.18._ Lands and Special Uses	Desired Conditions	3, 4
				Guidelines	13, 15, 16, 27, 30
			2.19._ Minerals and Energy	Desired Conditions	3, 4, 5
				Objectives	6
			2.20._ Alternative Energy: Geothermal, Wind, Solar, Biomass	Desired Conditions	1, 2, 3
			2.21._ Abandoned Mine and Hazardous Materials	Desired Conditions	1, 2, 4
				Objectives	7
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 8, 10, 11, 12, 13, 14, 15
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 7, 8, 9, 10, 11
			3.3._ Columbine Geographic Area	Desired Conditions	4, 7, 8, 9, 10
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
			3.16._ Falls Creek Conservation Area	Desired Conditions	6, 8

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8
			3.25._ HD Mountains Unique Landscape	Desired Conditions	8, 11, 14, 15, 16, 17, 18, 19, 21, 22, 23, 25
				Objectives	29, 30, 31, 32
			Appendix H. Oil and Gas*		1, 2, 3, 4, 5, 6, 12, 37, 39, 40
River otter (Lutra Canadensis)	State Threatened, USFS Sensitive	Large water courses with fish	2.2._ Terrestrial Ecosystems and Plant Species	Desired Conditions	1, 2, 3, 4, 35, 36, 37, 38, 39
				Objectives	45, 59, 62
				Standards	65
				Guidelines	69, 76, 84, 86
			2.3._ Terrestrial Wildlife	Desired Conditions	1, 3, 4, 5, 7, 11, 12, 13, 14, 17, 18
				Objectives	25, 30
				Guidelines	50, 58
			2.4._ Riparian Area and Wetland Ecosystems	Desired Conditions	1, 2, 3, 4, 5, 6, 9, 10, 11, 12
				Objectives	13, 16, 17, 18
				Standards	20, 21
				Guidelines	22, 24, 25, 26, 27, 28
			2.5._ Aquatic Ecosystems and Fisheries	Desired Conditions	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13
				Objectives	15, 16, 17
				Standards	18, 19
				Guidelines	21, 22, 24
			2.6._ Water Resources	Desired Conditions	1, 2, 4, 6, 7, 8, 9, 12, 13, 14, 15
				Objectives	19, 21, 22, 23
				Standards	29, 30
				Guidelines	32, 35, 36, 37, 38, 39
			2.7._ Livestock and Rangeland Management	Desired Conditions	4, 5, 6
				Objectives	9
				Guidelines	16, 17, 18, 19, 22, 23, 24, 28, 32, 33, 34
			2.8._ Invasive Species	Desired Conditions	1, 2, 3, 4, 5
				Objectives	6, 7, 8, 9
				Standards	10, 12
				Guidelines	13, 14, 15, 16, 17, 18
			2.9._ Timber and Other Forest Products	Desired Conditions	1
				Standards	12
			2.10._ Insects and Disease	Desired Conditions	1, 2, 3
			2.11._ Fire and Fuels Management	Desired Conditions	3, 6, 7
				Objectives	11, 12

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			2.22._ Interpretation and Conservation Education	Desired Conditions	1, 3, 6, 8, 9
			3.1._ Tres Rios Field Office Geographic Area	Desired Conditions	1, 2, 7, 12, 13
			3.2._ Dolores Ranger District Geographic Area	Desired Conditions	1, 2, 8, 9
			3.3._ Columbine Geographic Area	Desired Conditions	4, 7, 8, 9
			3.4._ Pagosa Ranger District Geographic Area	Desired Conditions	1
			3.6._ Wilderness Areas and Wilderness Study Areas	Desired Conditions	1
			3.12._ Research Natural Areas	Desired Conditions	1, 2, 3
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.21._ Chattanooga Special Botanical Area	Desired Conditions	3, 4, 5
				Standards	9
			3.23._ Dolores River Canyon	Desired Conditions	1, 2
				Objectives	6, 7, 8
			3.24._ Silverton	Desired Conditions	4, 9, 10
			3.25._ HD Mountains Unique Landscape	Desired Conditions	3, 4, 8, 11, 14, 15, 16, 17, 18, 19, 21, 22, 23, 25
				Objectives	29, 30, 31, 32
			3.27._ Rico	Desired Conditions	10, 11, 12
			Appendix H. Oil and Gas*		1, 2, 3, 4, 5, 6, 12, 37, 38, 39, 40
Western toad (Bufo boreas)	NatureServe G4 T1Q, BLM and USFS Sensitive, State Endangered	Spruce fir, Alpine meadows, Riparian, Wetlands	2.2._ Terrestrial Ecosystems and Plant Species	Desired Conditions	1, 2, 3, 4, 5, 6, 9, 15, 16, 17, 18, 19, 25, 26, 27, 35, 36, 37, 38, 39, 41
				Objectives	45, 59, 60, 61
				Standards	65
				Guidelines	69, 70, 76, 84, 85, 86
			2.3._ Terrestrial Wildlife	Desired Conditions	1, 3, 4, 5, 7, 10, 11, 12, 13, 17, 18
				Objectives	24, 25, 29, 30
				Guidelines	50, 58
			2.4._ Riparian Area and Wetland Ecosystems	Desired Conditions	1, 2, 3, 4, 5, 6, 7, 9, 10, 11, 12
				Objectives	13, 15
				Standards	19, 20, 21
				Guidelines	22, 24, 25, 26, 27, 28

Species	Source/ Rank	Habitat	Applicable Plan Component		
			Root Number	Component	Component Number
			3.13._ Gypsum Valley Area of Critical Environmental Concern	Desired Conditions	1
			3.16._ Falls Creek Conservation Area	Desired Conditions	8
			3.18._ Spring Creek Wild Horse Herd Management Area	Desired Conditions	5
			3.19._ Perins Peak Wildlife Management Area	Desired Conditions	1
			3.23._ Dolores River Canyon	Objectives	8
			3.24._ Silverton	Desired Conditions	
			3.25._ HD Mountains Unique Landscape	Desired Conditions	3, 4, 11, 14, 15, 16, 17, 18, 21, 22, 23, 25
				Objectives	29, 30, 31, 32
			Appendix H. Oil and Gas*		10, 11, 28, 38, 40
Brewer's sparrow (Spizella breweri)	BLM and USFS Sensitive	Sagebrush shrublands, Semi-desert shrublands	2.2._ Terrestrial Ecosystems and Plant Species	Desired Conditions	1, 2, 3, 4, 5, 6, 9, 11, 12, 14, 16, 17, 18, 30, 32, 35, 36, 37, 38, 39, 40
				Objectives	45, 56, 57, 58, 59, 62
				Standards	65
				Guidelines	69, 73, 75, 76, 79, 80, 84, 86
			2.3._ Terrestrial Wildlife	Desired Conditions	1, 3, 4, 5, 7, 10, 11, 12, 14, 17, 18
				Objectives	24, 25, 29, 30
				Guidelines	55, 58
			2.6._ Water Resources	Desired Conditions	12
				Objectives	22, 23
				Guidelines	32, 36, 37, 38, 39
			2.7._ Livestock and Rangeland Management	Desired Conditions	2, 4, 5, 6, 7
				Objectives	9
				Guidelines	15, 16, 17, 18, 19, 21, 24, 25, 26, 27, 29, 30, 32, 33, 34
			2.8._ Invasive Species	Desired Conditions	1, 2, 3, 4, 5
				Objectives	6, 7, 8, 9
				Standards	10, 12
				Guidelines	18
			2.9._ Timber and Other Forest Products	Desired Conditions	1, 3
				Standards	12
			2.10._ Insects and Disease	Desired Conditions	1, 2, 3
			2.11._ Fire and Fuels Management	Desired Conditions	3, 6, 7
				Objectives	11, 12
				Standards	13, 14
				Guidelines	15, 16