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APPENDIX B

STIPULATIONS APPLICABLE TO FLUID MINERAL LEASING AND OTHER SURFACE-DISTURBING ACTIVITIES

This appendix lists by alternative the stipulations for fluid mineral leasing (e.g., oil, gas, and geothermal) referred to throughout this Draft RMP and EIS. These stipulations would also apply, where appropriate, to all surface-disturbing activities (and occupancy) associated with land use authorizations, permits, and leases issued on BLM lands. The stipulations would not apply to activities and uses where they are contrary to laws, regulations, or specific program guidance. The intent of these stipulations is to consistently mitigate impacts by applying the same stipulation to all land use authorizations across the board. It is BLM's intent to incorporate the same level of restrictions, to the extent practicable, on agency proposed projects.

Stipulations also apply to fluid mineral leasing on lands overlying federal mineral estate, which includes federal mineral estate underlying BLM lands, privately owned lands, and state-owned lands. As such, federal mineral estate acres are greater than BLM surface acres. Within the planning area, the BLM administers 1,061,400 acres of surface estate and 169,800 acres of split-estate (i.e., where the surface rights are in private ownership and the rights to development of the mineral resources are publicly held and managed by the federal government (BLM)). The BLM will coordinate with the surface owner when applying stipulations on split-estate at the leasing phase. Stipulations may also be applied to land managed by other federal agencies at the leasing stage and whenever activities are proposed to affect the surface based on coordination with the agency. Acreages in this appendix reflect federal mineral estate overlain by BLM, private, and state-owned land. Acreages for stipulations are calculated based on current information and may be adjusted in the future through plan maintenance as conditions warrant.

Data from GIS have been used in developing acreage calculations and for generating many of the figures in Appendix A. Calculations are dependent upon the quality and availability of data and most calculations in this RMP are rounded to the nearest one hundred acres. Given the scale of the analysis, the compatibility constraints between datasets, and lack of data for some resources, all calculations are approximate and serve for comparison and analytic purposes only. Likewise, the figures in Appendix A are provided for illustrative purposes and subject to the limitations discussed above. BLM may receive additional GIS data; therefore, acreages may be recalculated and revised at a later date.

Surface-disturbing activities are those that normally result in more than negligible (i.e., immeasurable, not readily noticeable) disturbance to vegetation and soils on public lands and accelerate the natural erosive process.

Surface disturbances could require reclamation and normally involve use and/or occupancy of the surface, causing disturbance to soils and vegetation. They include, but are not limited to: the use of mechanized earth-moving equipment; truck-mounted drilling and geophysical exploration equipment off designated routes; off-road vehicle travel in areas designated as limited or closed to off road vehicle use; construction of facilities such oil and gas wells and/or pads; major recreation sites; new trail construction; and use of pyrotechnics and explosives. Surface disturbance is not normally caused by casual-use activities. Activities that are not normally considered surface disturbing include, but are not limited to: livestock grazing, cross country hiking, minimum impact filming, vehicular travel on designated routes, and minimum impact emergency response activities such as construction of fire line using hand tools as a tactic for suppression and management of unplanned fire. Even where stipulations prohibit surface disturbing activities, some surface disturbing activities may be allowed under exceptions from stipulations through the process described under **Section B.2.1.** (Example 1: A livestock fence proposed in an area covered by NSO-38 for Wildlife Emphasis Areas may be excepted from the stipulation if it can be shown that the project will have negligible impacts to wildlife through appropriate mitigation; or example 2: A natural gas well pad proposed in an area covered by CSU-8 for Old Growth Forests and Woodlands may be excepted from the stipulation if it can be shown that the project would have negligible impacts on old growth forests and woodlands through appropriate mitigation.)

The BLM has the discretion to modify surface operations to change or add specific mitigation measures when supported by environmental analysis. All mitigation/conservation measures not already required as stipulations would be analyzed in a site-specific NEPA document, and be incorporated, as appropriate, into conditions of approval of the permit, plan of development, and/or other use authorizations.

B.1 DESCRIPTION OF STIPULATIONS

Tables B-1 through **B-4** summarize the stipulations, and **Tables B-5** through **B-8** provide details of the stipulations and protected resources including exceptions, modifications, and waivers by alternative. Three types of stipulations could be applied to fluid mineral leasing or to land use authorizations, except for those authorized under the realty program: 1) NSO or other no surface-disturbing activities; 2) CSU; and 3) TL. ROW authorizations are governed by avoidance and exclusion area restrictions. ROW avoidance areas may have corresponding stipulations, as specifically noted in **Tables B-1** through **B-3** and **Tables B-5** through **B-7**. In these cases, denoted as NSO-X (ROWA), CSU-X (ROWA) or TL-X (ROWA), the surface area covered by the stipulation is considered a ROW avoidance area. Where stipulations are noted as *Partial ROWA*, only a portion of the area covered by the stipulation is a ROW avoidance area. See the glossary for descriptions of ROW avoidance and ROW exclusion.

Lease stipulations and lease notices would be applied to all new leases. On existing leases, the BLM would seek voluntary compliance or would develop Conditions of Approval for Applications for Permit to Drill to achieve resource objectives of the RMP (see BLM's Land Use Planning Handbook H-1601-I at Appendix C, part H), when determined reasonable and consistent with valid existing rights.¹

Stipulations identified in Alternative A, current management, were developed in the 1987 GJFO RMP (BLM 1987) and are annotated as "existing" in italics in the "stipulations number" column of **Tables B-1** through **B-4** and **B-5** through **B-8**.

B.1.1 No Surface Occupancy (NSO) or Other Surface-disturbing Activities

Use or occupancy of the land surface for fluid mineral exploration or development and other surface-disturbing activities (as defined above) is prohibited to protect identified resource values. In Alternative A, NSO stipulations apply only to fluid mineral exploration or development. Refer to **Tables B-1** and **B-5**. Acreages are provided in these tables for mapped stipulations.

The NSO/No Surface-disturbing Activities stipulation, a major constraint, includes stipulations that may have been worded as "No Surface Use/Occupancy," "No Surface Disturbance," "Conditional NSO," "ground-disturbing activity," and "Surface Disturbance or Surface Occupancy Restriction (by location)."

¹ See also 43 CFR 1610.5-3(b): "...the Field Manager shall take appropriate measures, subject to valid existing rights, to make operations and activities under existing permits, contracts, cooperative agreements or other instruments for occupancy and use, conform to the approved plan or amendment within a reasonable period of time."

Areas identified as NSO/No Surface-disturbing Activities are open to fluid mineral leasing, but surface-disturbing activities cannot be conducted on the surface of the land unless an exception, waiver, or modification is granted (Section B.2). Access to fluid mineral deposits would require directional drilling from outside the boundaries of the NSO/No Surface-disturbing Activities areas.

An NSO/No Surface-disturbing Activities stipulation cannot be applied to operations conducted under the 1872 Mining Law unless the lands have been withdrawn from mineral entry and the operator has no valid and existing mining claims. A withdrawal is not considered a land use planning decision because it must be approved by the Secretary of Interior. Therefore, unless withdrawn from mineral entry with no pre-existing mining claims, areas identified as NSO/No Surface-disturbing Activities are open to operations conducted under the mining laws, and subject only to TL and CSU stipulations that are consistent with the rights granted under the mining laws. Where only an NSO stipulation exists, and no equivalent CSU or TL stipulations applies to operations conducted under the mining laws, the NSO stipulation would be applied as a CSU stipulation (i.e., the surface-disturbing activity could be shifted more than 200 meters [656 feet] to protect the specified resource or value if consistent with the rights granted under the mining laws).

B.1.2 Controlled Surface Use (CSU)

CSU is a category of moderate constraint stipulations that allows some use and occupancy of public land while protecting identified resources or values. A CSU stipulation allows the BLM to require special operational constraints, or the surface-disturbing activity can be shifted more than 200 meters (656 feet) to protect the specified resource or value. Refer to **Tables B-2** and **B-6**. Acreages are provided in these tables for mapped stipulations.

B.1.3 Timing Limitations (TL)

Areas identified for TL, a moderate constraint, are closed to fluid mineral exploration and development, surface-disturbing activities, and intensive human activity during identified time frames. This stipulation does not apply to operation and basic maintenance activities, including associated vehicle travel, unless otherwise specified. Construction, drilling, completions, and other operations considered to be intensive in nature are not allowed. Intensive maintenance and routine or scheduled workovers on wells is not permitted. Administrative activities are allowed at the discretion of the Authorized Officer. Refer to **Tables B-3** and **B-7**. Acreages are provided in these tables for mapped stipulations.

B.1.4 Lease Notice (LN)

A LN provides more-detailed information concerning limitations that already exist in law, lease terms, regulations, or operational orders. An LN also addresses special items that lessees should consider when planning operations but does not impose additional restrictions. Lease Notices apply only to leasable

minerals (e.g., oil, gas, geothermal) and not to other types of leases, such as livestock grazing. Refer to **Tables B-4** and **B-8**.

B.1.5 Condition of Approval (COA)

Conditions of Approval are enforceable conditions or provisions (requirements) under which an Application for Permit to Drill is approved.

B.1.6 Mitigation and Monitoring

Stipulations are designed to provide resource-specific protections. Permit holders shall be responsible for the monitoring and reporting deemed necessary to document and maintain mandated protective measures. Also, the BLM retains the right to modify the operations of all surface and other disturbance activities caused by the presence of humans and to require additional specific or specialized mitigation following the submission of a detailed plan of development or other project proposal, a monitoring report, and an environmental analysis of such.

B.2 EXCEPTIONS, MODIFICATIONS, AND WAIVERS

Stipulations could be excepted, modified, or waived by the Authorized Officer. An exception exempts the holder of the land use authorization document from the stipulation on a one-time basis. A modification changes the language or provisions of a surface stipulation, either temporarily or permanently. A waiver permanently exempts the surface stipulation.

B.2.1 Exception, Modification, or Waiver Process

An exception, modification, or waiver may be granted at the discretion of the Authorized Officer if any of the standard exception, modification, or waiver criteria (**Section B.2.2, B.2.3, B.2.4**) are met; or if any of the exception, modification, or waiver criteria specific to the stipulation (**Tables B-5, B-6, B-7**) are met. In order to implement an action that would not normally be allowed because of a stipulation, the proponent must submit a request in writing for an exception, modification, or waiver. The request shall detail which exception, modification, or waiver criteria are met. When requested concurrently with an application, the exception, modification, or waiver is considered as part of the project proposal in RMP and NEPA compliance review. For separate requests, the request is considered as a unique action and is analyzed and documented individually for RMP and NEPA compliance. The Authorized Officer will make the final determination whether to grant an exception, modification, or waiver to stipulations. When use of heavy equipment is necessary for emergency response activities such as wildland fire suppression, management of unplanned fire, and emergency stabilization, the standard exception would be approved verbally by the BLM authorized officer as delegated (e.g., Incident Commander in coordination with Resource Advisor).

B.2.2 Standard Exception

The standard exception applies to all NSO/No Surface-disturbing Activities, CSUs, and TLs, even though the standard exception is not included in the

“exception” portion of **Tables B-5** through **B-7**. An exception may be granted by the Authorized Officer if it can be demonstrated that the surface-disturbing activity:

1. would not cause adverse impacts or would have negligible impacts to the resource or resource use that the stipulation was designated to protect; or
2. would improve the protected resource or resource use as defined by RMP objectives, standards, or conditions in the stipulation (e.g., fuels treatment that improves forbs in key wildlife habitat, or trail construction for resource protection in an ACEC or elsewhere);
3. is necessary to meet health and safety objectives such as fire suppression or fire emergency stabilization and rehabilitation; or
4. is necessary to protect federal mineral estate.

In situations where a surface-disturbing activity is excepted, the activity could be subject to additional conditions of approval, reclamation measures, or BMPs. Measures required would be based on the nature and extent of resource values potentially affected by the surface-disturbing activity. Excepted surface-disturbing activities/lease stipulations are granted on a one-time case-by-case basis and will not necessarily constitute subsequent approvals.

B.2.3 Standard Modification

A 30-day public notice and comment period is required before modification of a stipulation.

B.2.4 Standard Waiver

No permanent exemptions or waivers are authorized unless the areas mapped as possessing the attributes are field verified by BLM staff to lack those attributes.

B.3 STANDARD TERMS AND CONDITIONS FOR FLUID MINERAL LEASING

Oil and gas development is subject to standard terms and conditions of the lease. Onshore Oil and Gas Order No. 1 (Onshore Oil and Gas Operations; Federal and Indian Oil and Gas Leases; Approval of Operations) regulations (43 CFR 3160) give the BLM the ability to relocate proposed operations up to 200 meters (656 feet) and prohibit surface-disturbing operations for a period not to exceed 60 days.

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
Water Resources					
NSO-1 (ROWA)	Major River Corridors		•	•	•
NSO-2 (ROWA)	Streams/Springs Possessing Lotic Riparian Characteristics		•	•	
NSO-3	Definable Streams			•	
NSO-4 (ROWA)	Lentic Riparian Areas (including springs, seeps, and fens)		•	•	
<i>NSO-1</i> (BLM 1987)	No Surface Occupancy (Grand Junction municipal watershed)	•			
NSO-5	Palisade and Grand Junction Municipal Watersheds		•		
NSO-6 (ROWA)	Palisade and Grand Junction Municipal Watersheds, Collbran and Mesa/Powderhorn Source Water Protection Areas, and Jerry Creek Watershed			•	
NSO-7	Water Intake Zone 3			•	
Soils and Geology					
<i>NSO-1</i> (ROWA) (Exhibit GJ-1AB) (BLM 1987)	No Surface Occupancy (Soils in the Baxter/Douglas Slump Area)	•			
<i>NSO-1</i> (ROWA) (Exhibit GJ-1AA) (BLM 1987)	No Surface Occupancy (Soils in the Plateau Area)	•			
NSO-8 (ROWA)	Fragile Soils (Slump Areas)		•		
NSO-9 (ROWA)	Fragile Soils			•	
<i>NSO-3</i> (BLM 1987)	Steep Slopes	•			
NSO-10 (ROWA)	Steep Slopes Greater than or Equal to 40 Percent		•	•	•
Vegetation					
NSO-2 (ROWA)	Streams/Springs Possessing Lotic Riparian Characteristics		•	•	
NSO-4 (ROWA)	Lentic Riparian Areas (including springs, seeps, and fens)		•	•	
Special Status Species					
NSO-11 (ROWA)	Conservation Populations of Cutthroat Trout				•
NSO-1 (ROWA)	Major River Corridors		•	•	•
NSO-2 (ROWA)	Streams/Springs Possessing Lotic Riparian Characteristics		•	•	
<i>NSO-1</i> (Partial ROWA) (BLM 1987)	No Surface Occupancy (ACECs: Badger Wash, Pyramid Rock, and Unawep Seep)	•			
NSO-12 (Partial ROWA)	ACECs (Atwell Gulch, Badger Wash, Pyramid Rock, South Shale Ridge, and Unawep Seep)		•	•	•
NSO-13 (ROWA)	Current and Historically Occupied Habitat of Threatened, Endangered, Proposed, and Candidate Species		•	•	
NSO-14 (ROWA)	Currently Occupied Habitat of Threatened, Endangered, Proposed, and Candidate Species				•

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
NSO-15 (ROWA)	BLM Sensitive Plant Species' Occupied Habitat			•	
NSO-16 (ROWA)	Osprey Nest Sites			•	
NSO-17 (ROWA)	Ferruginous Hawk Nest Sites			•	
NSO-18 (ROWA)	Red-tailed Hawk Nest Sites			•	
NSO-19 (ROWA)	Swainson's Hawk Nest Sites			•	
NSO-20 (ROWA)	Peregrine Falcon Nest Sites			•	
NSO-21 (ROWA)	Prairie Falcon Nest Sites			•	
NSO-22 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls)			•	
NSO-23 (ROWA)	Golden Eagle Nest Sites		•	•	•
NSO-24 (ROWA)	Bald Eagle Nest Sites		•	•	•
NSO-25 (ROWA)	Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (4 miles)		•	•	
NSO-26 (ROWA)	Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Boreal Toad (no buffer)		•		•
NSO-27 (ROWA)	Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Boreal Toad (0.5-mile)			•	
NSO-28 (ROWA)	Special Status Bat Species' Roost Sites and Winter Hibernacula		•	•	
NSO-29 (ROWA)	Active Kit Fox Dens		•	•	
NSO-30 (ROWA)	Occupied Prairie Dog Towns (no buffer)		•		
NSO-31 (ROWA)	Occupied Prairie Dog Towns (46 meters)			•	
Fish and Wildlife					
NSO-32 (ROWA)	Research Sites		•	•	•
NSO-12 (Partial ROWA)	ACECs (Atwell Gulch, Colorado River Riparian, Glade Park- Pinyon Mesa, Indian Creek, The Palisade, Prairie Canyon, Roan and Carr Creeks, Rough Canyon, Sinbad Valley, and South Shale Ridge)		•	•	•
<i>NSO-1</i> (Exhibit GJ-1DE) (BLM 1987)	No Surface Occupancy (Wildlife Habitat in Rough Canyon)	•			
<i>NSO-1</i> (ROWA) (BLM 1987)	No Surface Occupancy (State Wildlife Areas)	•			
NSO-33	Jerry Creek Reservoir, Plateau Creek, and Horsethief Canyon State Wildlife Areas, and Highline and Vega State Parks		•		
<i>NSO-1</i> (Exhibit GJ-1DC) (BLM 1987)	No Surface Occupancy (Elk Calving Sites)	•			
NSO-34 (ROWA)	Elk Production Area		•	•	•
NSO-35 (Partial ROWA)	Wildlife Emphasis Areas		•	•	
Wild Horses					
NSO-36 (ROWA)	Little Book Cliffs Wild Horse Range		•	•	

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
Cultural Resources					
NSO-37 (ROWA Alternatives B and C)	Allocation to Conservation Use Category		•	•	•
NSO-38 (ROWA Alternatives B and C)	Allocation to Traditional Use Category		•	•	•
<i>NSO-1</i> (BLM 1987)	No Surface Occupancy (Cultural Resources)	•			
NSO-39 (ROWA Alternatives B and C)	Cultural Resources (Indian Creek)		•	•	•
Visual Resources					
<i>NSO-1</i> (BLM 1987)	No Surface Occupancy (Visual Resources)	•			
NSO-40	VRM (Class I and the Goblins)		•	•	•
Lands Managed for Wilderness Characteristics outside WSAs					
NSO-41	Lands Managed for Wilderness Characteristics outside WSAs		•	•	
Recreation and Visitor Services					
<i>NSO-1</i> (ROWA) (BLM 1987)	No Surface Occupancy (Recreational Resources at The Palisade ONA, established recreation sites, Island Acres, Vega State Recreation Area, Highline Reservoir Recreation Area, Rough Canyon ACEC, Hunter/Garvey backcountry, Granite Creek Canyons/Cliffs, Bangs Canyon, Dolores River, and Gunnison River)	•			
NSO-42 (Partial ROWA)	Special Recreation Management Areas		•	•	•
Fluid Minerals (Oil and Gas and Geothermal Resources)					
<i>NSO-1</i> (BLM 1987)	No Surface Occupancy (State Wildlife Areas)	•			
NSO-33	Jerry Creek Reservoir, Plateau Creek, and Horsethief Canyon State Wildlife Areas, and Highline and Vega State Parks		•		
ACECs					
<i>NSO-1</i> (Partial ROWA) (BLM 1987)	ACECs	•	•	•	•
NSO-12 (Partial ROWA)					
Wilderness Study Areas					
NSO-43	Wilderness Study Areas	•	•	•	•
Wild and Scenic Rivers					
NSO-44 (ROWA)	WSR Study Segments Classified as Wild			•	

Table B-1
Summary of No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/ New) ²	Protected Resource	Alternative			
		A	B	C	D
	National Trails				
NSO-45 (ROWA)	Old Spanish National Historic Trail (200 meters)		•		
NSO-46 (ROWA)	Old Spanish National Historic Trail (0.5-mile)			•	
NSO-47 (ROWA)	Old Spanish National Historic Trail (50 meters)				•

¹Details of these stipulations are provided in Table B-5, No Surface Occupancy (NSO) Stipulations Applicable to Fluid Mineral Leasing and Other Surface-disturbing Activities.

²Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-2
Summary of Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
Water Resources					
CSU-1 (ROWA)	Major River Corridors		•	•	
CSU-7 (ROWA) (BLM 1987)	Perennial Streams Water Quality	•			
CSU-2 (ROWA)	Hydrologic Features/Riparian		•	•	•
CSU-3 (ROWA)	Definable Streams		•		
CSU-6 (BLM 1987)	Watersheds	•			
CSU-4 (ROWA)	Collbran and Mesa/Powderhorn Source Water Protection Areas, and Jerry Creek Watershed		•		•
Soils and Geology					
CSU-5 (ROWA)	Fragile Soils		•		
CSU-6 (ROWA)	Mapped Mancos Shale and Saline Soils		•	•	•
CSU-7	Natural Slopes		•	•	
Vegetation					
CSU-8 (ROWA)	Old Growth Forests and Woodlands		•	•	•
Special Status Species					
CSU-9 (ROWA)	BLM Sensitive Plant Species Occupied Habitat		•		
CSU-10 (ROWA)	Wildlife Habitat		•	•	
CSU-1 (ROWA)	Major River Corridors		•	•	
CSU-11 (ROWA)	Significant Plant Communities (200 meters)		•	•	
CSU-12 (ROWA)	Significant Plant Communities (no buffer)				•
CSU-13 (ROWA)	Osprey Nest Sites		•		•
CSU-14 (ROWA)	Ferruginous Hawk Nest Sites		•		•
CSU-15 (ROWA)	Red-tailed Hawk Nest Sites		•		•
CSU-16 (ROWA)	Swainson's Hawk Nest Sites		•		•
CSU-17 (ROWA)	Peregrine Falcon Nest Sites		•		•
CSU-18 (ROWA)	Prairie Falcon Nest Sites		•		•
CSU-19 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls)		•		•
CSU-20 (ROWA)	Sage-grouse Nesting and Early Brood-rearing Habitat				•
CSU-21 (ROWA)	Special Status Bat Species' Roost Sites and Winter Hibernacula				•
CSU-22 (ROWA)	Kit Fox Dens				•
CSU-23 (ROWA)	Occupied Prairie Dog Towns				•
Fish and Wildlife					
CSU-1 (ROWA)	Major River Corridors		•	•	
CSU-10 (ROWA)	Wildlife Habitat		•	•	
CSU-24 (ROWA)	Deer and Elk Migration and Movement Corridors		•	•	
CSU-25	Wildlife Emphasis Areas		•	•	•

Table B-2
Summary of Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/ New) ²	Protected Resource	Alternative			
		A	B	C	D
Wild Horses					
<i>CSU-2</i> (<i>Exhibit GJ-2FA</i>) (<i>BLM 1987</i>)	Scenic and Natural Values (Little Book Cliffs Wild Horse Area)	•			
CSU-26	Little Book Cliffs Wild Horse Range				•
Cultural Resources					
CSU-27 (<i>ROWA Alternatives B and C</i>)	Allocation to Scientific Use Category		•	•	•
CSU-28 (<i>ROWA Alternatives B and C</i>)	Allocation to Public Use Category		•	•	•
CSU-29 (<i>ROWA</i>)	Sub-surface Inventory		•	•	•
<i>CSU-5</i> (<i>ROWA</i>) (<i>BLM 1987</i>)	Known Cultural Resource Values	•			
Visual Resources					
CSU-30 (<i>ROWA</i>)	VRM Class II		•	•	•
<i>CSU-2</i> (<i>BLM 1987</i>)	Scenic and Natural Values (Bangs Benches, the Book Cliffs, established BLM recreation sites, Grand Mesa Slopes, Granite Creek Benches, Gunnison River corridor, highway corridors, Hunter/Garvey, Little Book Cliffs Wild Horse Area, Sinbad Valley, South Shale Ridge, and Unaweep Valley)	•			
Recreation and Visitor Services					
<i>CSU-2</i> (<i>BLM 1987</i>)	Scenic and Natural Values (recreation resources at Bangs Benches, Granite Creek Benches, Hunter/Garvey Benches, and Lower Gunnison River)	•			
CSU-31 (<i>ROWA</i>)	Recreation		•	•	•
CSU-32	Special Recreation Management Areas		•	•	•
Lands and Realty					
CSU-33	Disposal Tracts		•		•
Coal					
CSU-34 (<i>CSU CO-25</i>)	Federally Leased Coal		•	•	•
Wild and Scenic Rivers					
CSU-35 (<i>ROWA</i>)	WSR Study Segments Classified as Scenic and Recreational		•	•	
National Trails					
CSU-36	Old Spanish National Historic Trail			•	
National and BLM Byways					
CSU-37	Scenic Byways (0.5-mile)		•	•	
CSU-38	Scenic Byways (0.25-mile)				•

¹Details of these stipulations are provided in Table B-6, Controlled Surface Use (CSU) Stipulations Applicable to Fluid Mineral Leasing and Other Surface-disturbing Activities.

²Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-3
Summary of Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/New) ²	Protected Resource	Alternative			
		A	B	C	D
Special Status Species					
TL-1 (ROWA)	Sport and Native Fish (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace)		•	•	
TL-2 (ROWA)	Occupied Cutthroat Trout Waters				•
TL-3 (ROWA)	Migratory Bird Habitat		•	•	
TL-4 (ROWA)	Birds of Conservation Concern's Habitat				•
TL-5 (ROWA)	Osprey Nests		•	•	•
TL-6 (ROWA)	Ferruginous Hawk Nests		•	•	•
TL-7 (ROWA)	Red-tailed Hawk Nests		•	•	•
TL-8 (ROWA)	Swainson's Hawk Nest Sites		•	•	•
<i>TL-14 (ROWA)</i> (Exhibit GJ-14EB) (BLM 1987)	Threatened and Endangered Seasonal Habitat (Peregrine Falcon Habitat)	•			
TL-9 (ROWA)	Peregrine and Prairie Falcon Nest Sites		•	•	•
TL-10 (ROWA)	Goshawk Nest Sites		•	•	•
TL-11 (ROWA)	Burrowing Owl Burrows and Nest Sites		•	•	•
TL-12 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls)		•	•	•
TL-13 (ROWA)	Golden Eagle Nest Sites		•	•	•
<i>TL-14 (ROWA)</i> (Exhibit GJ-14EA) (BLM 1987)	Threatened and Endangered Seasonal Habitat (Bald Eagle Habitat)	•			
TL-14 (ROWA)	Bald Eagle Nest Sites		•	•	•
TL-15 (ROWA)	Bald Eagle Winter Roost		•	•	•
TL-16 (ROWA)	Occupied Sage-grouse Winter Habitat		•	•	
TL-17 (ROWA)	Sage-grouse Leks (4 miles)		•		
TL-18 (ROWA)	Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (0.6-mile)				•
TL-19 (ROWA)	Occupied Prairie Dog Towns				•
Fish and Wildlife					
TL-1 (ROWA)	Sport and Native Fish (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace)		•	•	
TL-2 (ROWA)	Occupied Cutthroat Trout Waters				•
<i>TL-12 (ROWA)</i> (BLM 1987)	Deer and Elk Winter Range	•			
TL-20 (ROWA)	Big Game Winter Range		•	•	•

Table B-3
Summary of Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities¹

Stipulation Number (Existing/ New) ²	Protected Resource	Alternative			
		A	B	C	D
<i>TL-9 (ROWA)</i> <i>(BLM 1987)</i>	Bighorn Seasonal Stipulation	•			
<i>TL-4 (ROWA)</i> <i>(BLM 1987)</i>	Elk Calving Area	•			
TL-21 (ROWA)	Big Game Production Areas		•	•	
TL-22 (ROWA)	Pronghorn Wintering Habitat		•	•	•
Wild Horses					
<i>TL-10 (ROWA)</i> <i>(BLM 1987)</i>	Wild Horse Winter Range	•			
<i>TL-11 (ROWA)</i> <i>(BLM 1987)</i>	Wild Horse Foaling Area	•			•
TL-23 (ROWA)					

¹Details of these stipulations are provided in Table B-7, Timing Limitation (TL) Stipulations Applicable to Fluid Mineral Leasing and Other Surface-disturbing Activities.

²Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-4
Summary of Lease Notices (LN)
Applicable to Fluid Mineral Leasing¹

Stipulation Number (Existing/ New) ²	Protected Resource	Alternative			
		A	B	C	D
Water Resources					
<i>LN-17</i>	Palisade Municipal Watershed	•			
LN-1	Source Water Protection Areas		•		
LN-2	Municipal Watersheds and Source Water Protection Areas				•
Special Status Species					
<i>LN-13</i>	Threatened and Endangered Species Habitat	•			
LN-3	Biological Inventories		•	•	•
<i>LN-15/LN-4</i>	Colorado Hookless Cactus (Formerly Uinta Basin Hookless Cactus)	•	•	•	•
Fish and Wildlife					
LN-3	Biological Inventories		•	•	•
LN-5	Working in Wildlife Habitat		•	•	
Paleontological Resources					
LN-6	Class 4 and 5 Paleontological Areas	•	•	•	•
Lands and Realty					
<i>LN-16/ LN-7</i>	Powderhorn Ski Area	•	•		•

¹Details of these stipulations are provided in Table B-8, Lease Notices (LN) and Additional Required Conditions of Approval Applicable to Fluid Mineral Leasing.

²Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Water Resources					
NSO-I (ROWA)	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within stream channels, stream banks, and the area 0.25-mile either side of the ordinary high-water mark (bank-full stage) or within 100 meters (328 feet) of the 100-year floodplain (whichever area is greatest) of the Colorado, Gunnison, and Dolores Rivers.		•	•	•
Major River Corridors.	PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).				
11,800 acres	EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows (note: both actions must be met for exception to be granted):				
	<ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. Design and construction for a 100-year flood event along strait and stable stream reaches would be required; and • Section 7 consultation with USFWS on threatened or endangered species and/or their critical habitat has been completed. 				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-2 (ROWA) Streams/ Springs Possessing Lotic Riparian Characteristics.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the ordinary high-water mark (bank-full stage). Where the riparian corridor width is greater than 100 meters (328 feet) from bank-full, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as riparian corridors/flood-prone areas are lands adjacent to waterbodies where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Necessary site restoration and management as dictated by initial analysis or later evaluation/monitoring. • Essential stream crossings associated with linear transportation, and utility crossings. • Professional engineered design and construction for a 100-year flood event along strait and stable stream reaches. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to maintain the natural hydrologic function and condition of mountain and rangeland stream systems. Properly functioning stream channels, stream banks, and floodplains (including the riparian zone) transport and store sediment at a rate which is in balance with each system's typical flow regime. Any alteration of this system can create an imbalance between sediment supply and flow, resulting in accelerated erosion, decreased water quality, and degraded habitat conditions and for special status aquatic wildlife. This stipulation is also essential to protect fish bearing streams in the GJFO.</p>	•	•		
NSO-3 Definable Streams.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum distance of 30 meters (98 feet) from the edge of the ordinary high-water mark (bank-full stage).</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because any alteration of properly functioning stream channels, stream banks, and floodplains (including the xeririparian zone) can create an imbalance between sediment supply and stream discharge resulting in accelerated erosion and decreased water quality.</p>				
NSO-4 (ROWA) Lentic Riparian Areas (including springs, seeps, and fens).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because surface disturbance within the minimum 100-meter buffer may impair proper function and condition of springs, seeps, and fens. Source areas (for springs, seeps, and fens) are delicate and susceptible to any alteration of natural flow patterns, soil infiltration rates, or drainages within the contributing watershed. Changes to these variables may dewater lentic riparian areas, greatly impairing the system's ability to properly function.</p>		•	•	
NSO-1 (BLM 1987) No Surface Occupancy (Grand Junction)	<p>STIPULATION: No occupancy or other activities will be allowed in the Grand Junction municipal watershed on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <p>PURPOSE: To protect municipal watersheds providing domestic water.</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-</p>		•		

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
Municipal Watershed). 1,400 acres	specific relocation) stipulations, are as follows: <ul style="list-style-type: none"> New trail construction resulting in a disturbance corridor less than or equal to 48 inches wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				
NSO-5 No Surface Occupancy (Palisade and Grand Junction Municipal Watersheds). <i>BLM surface/federal minerals:</i> 900 acres <i>Private or State surface/federal minerals:</i> 8,300 acres	STIPULATION: Prohibit surface occupancy and other surface-disturbing activities in the Palisade and Grand Junction municipal watersheds. PURPOSE: To protect municipal watersheds providing drinking water to local communities. EXCEPTION: Exceptions would require professionally engineered design and construction for a 100-year flood event along strait and stable stream reaches. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to reduce potential for groundwater contamination and/or dewatering of municipal sources.	•			
NSO-6 (ROWA) No Surface Occupancy (Palisade and Grand Junction Municipal Watersheds, Collbran and Mesa/Powderhorn Source Water Protection Areas, and	STIPULATION: Prohibit surface occupancy and other activities in the Palisade and Grand Junction municipal watersheds, Collbran and Mesa/Powderhorn source water protection areas, and Jerry Creek watershed. PURPOSE: To protect municipal watersheds providing drinking water to local communities. EXCEPTION: Exceptions would require professionally engineered design and construction for a 100-year flood event along strait and stable stream reaches. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to reduce				•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected Jerry Creek Watershed). <i>BLM surface/federal minerals:</i> 34,700 acres <i>Private or State surface/federal minerals:</i> 27,600 acres	potential for groundwater contamination and/or dewatering of domestic and municipal sources.				
NSO-7 Water Intake Zone 3. 3,100 acres	<p>STIPULATION: Prohibit surface occupancy and other surface-disturbing activities within state identified sensitivity zone 3. In cases where this zone could not be determined through analytic calculations, zone 3 will be defined as a 2.5-mile radius around the intake or be based on professional interpretation of geology, topography, and location of municipal wells. The boundary of zone 3 is subject to change based on increased knowledge of groundwater hydrology in these areas.</p> <p>PURPOSE: To protect municipal water.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to reduce potential for groundwater contamination and/or dewatering of domestic and municipal sources.</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Soils and Geology					
NSO-1 (ROWA) (Exhibit GJ-1AB) (BLM 1987)	STIPULATION: No occupancy or other activities will be allowed on the following portions of this lease: <LEGAL_DESCRIPTIONS>	•			
No Surface Occupancy (Soils in the Baxter/Douglas Slump Area).	PURPOSE: To protect soils in the Baxter/Douglas slump area. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.				
53,100 acres					
NSO-1 (ROWA) (Exhibit GJ-1AA) (BLM 1987)	STIPULATION: No occupancy or other activities will be allowed on the following portions of this lease: <LEGAL_DESCRIPTIONS>	•			
No Surface Occupancy (Soils in the Plateau Area).	PURPOSE: To protect soils in the Plateau area. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change, or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.				
900 acres					
NSO-8 (ROWA)	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on the Baxter/Douglas Pass Slump Area and the Plateau Creek Slump Area.	•			
Fragile Soils (Slump Areas).	PURPOSE: To maintain site stability, site productivity, prevent excessive soil erosion and sediment transport, and increase reclamation potential from sensitive areas. EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:				
54,500 acres	<ul style="list-style-type: none"> Essential future actions in which implementation of a professionally engineered design, construction, maintenance, 				
Private or state surface/federal minerals:					
3,100 acres					

**Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<p>and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action.</p> <ul style="list-style-type: none"> • Temporary actions associated with solid mineral exploration (e.g., access roads, exploratory bore holes less than or equal to 8 inches in diameter) in which the reclamation process will be initiated a maximum of 1 calendar year from the beginning of construction will be allowed on a case-by-case basis at the discretion of the BLM Authorized Officer. Construction activities will be limited to dry season conditions and subject to site-specific mitigation based on soil characteristics. Temporary status of exploration actions may be extended up to a maximum of 3 years (from initial construction) given monitoring results/onsite inspection indicate soil-stabilizing techniques and drainages structures are functional and adequate to protect soil and watershed health. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because accelerated erosion from fragile soils in the GJFO is a major contributor of nonpoint source pollution in rivers and streams. The 25-meter buffer is necessary to adequately protect fragile soils from stormwater runoff and other impacts associated with surface-disturbing actions.</p>				
<p>NSO-9 (ROWA)</p> <p>Fragile Soils.</p> <p><i>BLM surface/federal minerals:</i></p> <p>481,600 acres</p> <p><i>Private or state surface/federal minerals:</i></p> <p>20,700 acres</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum of 25 meters (82 feet) of fragile soils (distance may be extended based on site-specific conditions). Onsite evaluation of site-specific soil characteristics may be conducted by BLM or a qualified third party to verify Natural Resource Conservation Service soil mapping unit descriptions are appropriate to the site. These evaluations would be conducted at the discretion of the BLM SWA specialist.</p> <p>PURPOSE: To maintain site stability, site productivity, prevent excessive soil erosion and sediment transport, and increase</p>				•

**Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	reclamation potential. EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows: <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • Temporary actions associated with solid mineral exploration (e.g., access roads, exploratory bore holes less than or equal to 8 inches in diameter) in which the reclamation process will be initiated a maximum of 1 calendar year from the beginning of construction will be allowed on a case-by-case basis at the discretion of the BLM Authorized Officer. Construction activities will be limited to dry season conditions and subject to site-specific mitigation based on soil characteristics. Temporary status of exploration actions may be extended up to a maximum of 3 years (from initial construction) given monitoring results/onsite inspection indicate soil-stabilizing techniques and drainages structures are functional and adequate to protect soil and watershed health. • Stipulation does not apply to OHV open areas. MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary because accelerated erosion from fragile soils in the GJFO is a major contributor of nonpoint source pollution in rivers and streams. The 25-meter buffer is necessary to adequately protect fragile soils from stormwater runoff and other impacts associated with surface-disturbing actions.				
NSO-3 (BLM 1987) Steep Slopes. 318,200 acres	STIPULATION: The following portions of the lease include land with greater than 40 percent slopes: <LEGAL_DESCRIPTIONS>. In order to avoid or mitigate unacceptable impacts to soil, water, and vegetation resources on these lands, special design practices may be necessary and				•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>higher than normal costs may result. Where impacts cannot be mitigated to satisfaction of the BLM Authorized Officer, no surface-disturbing activities shall be allowed.</p> <p>PURPOSE: To maintain site stability, site productivity, prevent excessive soil erosion and sediment transport, and increase reclamation potential.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change, or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>				
<p>NSO-10 (ROWA)</p> <p>Steep Slopes Greater than or Equal to 40 Percent.</p> <p><i>BLM surface/federal minerals:</i> 347,700 acres</p> <p><i>Private or State surface/federal minerals:</i> 28,800 acres</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities on slopes greater than or equal to 40 percent to maintain site stability.</p> <p>PURPOSE: To maintain site stability, minimize erosion, and increase reclamation potential of disturbed areas.</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Above-ground electrical transmission lines. • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • Alternatives B and D only: Temporary actions associated with coal exploration (e.g., access roads, exploratory bore holes less than or equal to 8 inches in diameter) in which the reclamation process will be initiated a maximum of 1 calendar year from the beginning of construction will be allowed on a case-by-case basis at the discretion of the Authorized Officer. Construction activities will be limited to dry season conditions and subject to site-specific mitigation. Temporary status of exploration actions may be extended up to a maximum of 3 years (from initial construction) given 	•	•	•	

**Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<p>monitoring results/onsite inspection indicate soil-stabilizing techniques and drainages structures are functional and adequate to protect soil and watershed health.</p> <ul style="list-style-type: none"> • Alternatives B and D only: Surface disturbance necessary for development of federally leased coal (e.g., mine portals, roads and pads associated with vent holes, methane capture, etc.). Professionally engineered design, construction, maintenance, and reclamation would be required to mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because accelerated erosion from soils on steep slopes in the GJFO can be a major contributor of nonpoint source pollution in rivers and streams.</p>				
NSO-2 (ROWA) Streams/ Springs Possessing Lotic Riparian Characteristics.	<p>Vegetation</p> <p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the ordinary high-water mark (bank-full stage). Where the riparian corridor width is greater than 100 meters (328 feet) from bank-full, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as riparian corridors/flood-prone areas are lands adjacent to waterbodies where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Necessary site restoration and management as dictated by initial analysis or later evaluation/monitoring. • Essential stream crossings associated with linear transportation, and utility crossings. 		•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to maintain the natural hydrologic function and condition of mountain and rangeland stream systems. Properly functioning stream channels, stream banks, and floodplains (including the riparian zone) transport and store sediment at a rate which is in balance with each system's typical flow regime. Any alteration of this system can create an imbalance between sediment supply and flow, resulting in accelerated erosion, decreased water quality, and degraded habitat conditions and for special status aquatic wildlife. This stipulation is also essential to protect fish bearing streams in the GJFO.</p>				
NSO-4 (ROWA) Lentic Riparian Areas (including springs, seeps, and fens).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because surface disturbance within the minimum 100-meter buffer may impair proper function and condition of springs, seeps, and fens. Source areas (for springs, seeps, and fens) are delicate and susceptible to any alteration of natural flow patterns, soil infiltration rates, or drainages within the contributing watershed. Changes to these variables may dewater lentic riparian areas, greatly impairing the system's ability to properly function.</p>		•	•	
NSO-11 (ROWA) Conservation Populations of Cutthroat	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) from edge of ordinary high-water mark (bank-full stage) of streams containing genetically pure populations of cutthroat trout. Where the riparian corridor width is greater than 100 meters (328 feet)</p>				•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Trout. 3,600 acres Protected Resource Acres/Miles Affected	<p>from stream edge, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect conservation and core conservation populations of cutthroat trout.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, in-channel restoration or enhancement work designed to improve stream habitat conditions, riparian plantings, and temporary disturbances of less than 0.1 acre where BMPs are applied.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: Streams with conservation and core conservation populations of cutthroat trout are of the highest priority to BLM, USFWS, and CPW. The 100-meter buffer adequately protects fish habitat values because many of the perennial streams are within narrow canyons and steep slopes so the 100-meter buffer covers most of the key habitat for protecting these species.</p>				
NSO-I (ROWA) Major River Corridors. 11,800 acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within stream channels, stream banks, and the area 0.25-mile either side of the ordinary high-water mark (bank-full stage) or within 100 meters (328 feet) of the 100-year floodplain (whichever area is greatest) of the Colorado, Gunnison, and Dolores Rivers.</p> <p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent 	•	•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>practicable all potential resource damage associated with the proposed action; and</p> <ul style="list-style-type: none"> Section 7 consultation with USFWS on threatened or endangered species and/or their critical habitat has been completed. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>				
NSO-2 (ROWA) Streams/ Springs Possessing Lotic Riparian Characteristics.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a minimum distance of 100 meters (328 feet) from the edge of the ordinary high-water mark (bank-full stage). Where the riparian corridor width is greater than 100 meters (328 feet) from bank-full, prohibit surface occupancy and surface-disturbing activities within the riparian zone.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as riparian corridors/flood-prone areas are lands adjacent to waterbodies where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> Necessary site restoration and management as dictated by initial analysis or later evaluation/monitoring. Essential stream crossings associated with linear transportation, and utility crossings. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to maintain the natural hydrologic function and condition of mountain and</p>	•	•		

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<p>rangeland stream systems. Properly functioning stream channels, stream banks, and floodplains (including the riparian zone) transport and store sediment at a rate which is in balance with each system's typical flow regime. Any alteration of this system can create an imbalance between sediment supply and flow, resulting in accelerated erosion, decreased water quality, and degraded habitat conditions and for special status aquatic wildlife. This stipulation is also essential to protect fish bearing streams in the GJFO.</p>				
NSO-1 (Partial ROWA) (BLM 1987) No Surface Occupancy (ACECs: Badger Wash, Pyramid Rock, Unaweep Seep). 1,400 acres	<p>STIPULATION: Prohibit surface occupancy in the following areas:</p> <ul style="list-style-type: none"> • Hydrologic and sensitive plants study area in Badger Wash ACEC (700 acres) (Exhibit Gj-1BA); • Pyramid Rock State Natural Area (500 acres) (Exhibit Gj-1EF); and • Unaweep Seep State Natural Area and Research Natural Area (200 acres) (Exhibit Gj-1EG). <p>PURPOSE: Badger Wash ACEC: To protect sensitive plants. Pyramid Rock: To protect known threatened, proposed, candidate, and sensitive plant species. Unaweep Seep: To protect sensitive plants.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2).</p>	•			
NSO-12 (Partial ROWA) ACECs. Alternative B: 34,600 acres Alternative C: 38,200 acres Alternative D:	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following ACECs to protect threatened, proposed, candidate, and sensitive species:</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Atwell Gulch (2,900 acres); • Badger Wash (2,200 acres); • Pyramid Rock (1,300 acres); • South Shale Ridge (28,200 acres); and 	•	•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
3,600 acres	<ul style="list-style-type: none"> • Unaweep Seep (85 acres). <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Atwell Gulch (6,100 acres); • Badger Wash (2,200 acres); • Plateau Creek (200 acres); • Pyramid Rock (1,300 acres); • South Shale Ridge (28,200 acres); and • Unaweep Seep (85 acres). <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Badger Wash (2,200 acres); • Pyramid Rock (1,300 acres); and • Unaweep Seep (80 acres). <p>PURPOSE:</p> <p>Atwell Gulch: To protect threatened and sensitive plants.</p> <p>Badger Wash: To protect sensitive plants.</p> <p>Plateau Creek: To protect sensitive fish species.</p> <p>Pyramid Rock: To protect known threatened, proposed, and sensitive plants.</p> <p>South Shale Ridge: To protect threatened, proposed, and sensitive plants.</p> <p>Unaweep Seep: To protect sensitive plants and Great Basin Silverspot Butterfly habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: This stipulation may be modified to include species listed as threatened, endangered, proposed, candidate, or sensitive in the future. This stipulation may also be modified to account for the change in status of species protected in this stipulation.</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect critical habitat for threatened, proposed, and sensitive plants.</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-13 (ROWA) Current and Historically Occupied Habitat of Threatened, Endangered, Proposed, and Candidate Species.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities to protect threatened, endangered, proposed, and candidate plants and animals from indirect impacts or loss of immediately adjacent suitable habitat. Maintain existing buffer distances where pre-existing disturbance exists. In undisturbed environments and ACECs, prohibit new disturbance within 200 meters (656 feet) of current and historically occupied and suitable habitat.</p> <p>PURPOSE: To protect threatened, endangered, proposed, and candidate species from indirect impacts or loss of immediately adjacent suitable habitat.</p> <p>EXCEPTION: The NSO may be altered if all of the following conditions are met:</p> <ol style="list-style-type: none"> 1. Section 7 consultation with USFWS on threatened or endangered species has been completed; 2. Valid current surveys for protected species have been completed and submitted; 3. Mitigation has been applied to avoid adverse impacts to protected species and the proponent will submit monitoring reports; and 4. The proposed disturbance would occur in unsuitable habitat. <p>Other surface-disturbing activities may be allowed in suitable habitat if conditions 1 through 3 above are met, and the purpose or the result of the activity would improve habitat conditions for the protected species.</p> <p>Allow occupancy within 200 meters (656 feet) when terrain and topography provide adequate protections</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect threatened, endangered, proposed, and candidate species and ensure the preservation of their habitat (including plant pollinator habitat).</p>	•	•		

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-14 (ROWA) Currently Occupied Habitat of Threatened, Endangered, Proposed, and Candidate Species.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities to protect threatened, endangered, proposed, and candidate plants and animals from indirect impacts or loss of immediately adjacent suitable habitat. Maintain existing buffer distances where pre-existing disturbance exists. In undisturbed environments and ACECs, prohibit new disturbance within 200 meters (656 feet) of habitat.</p> <p>PURPOSE: To protect threatened, endangered, proposed, and candidate species from indirect impacts or loss of immediately adjacent suitable habitat.</p> <p>EXCEPTION: The NSO may be altered if all of the following conditions are met:</p> <ol style="list-style-type: none"> 1. Section 7 consultation with USFWS on threatened or endangered species has been completed; 2. Valid current surveys for protected species have been completed; 3. Mitigation has been applied to avoid adverse impacts to protected species; and 4. The proposed disturbance would occur in unsuitable habitat. <p>Other surface-disturbing activities may be allowed in suitable habitat if conditions 1 through 3 above are met, and the purpose or the result of the activity would improve habitat conditions for the protected species.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to provide minimal protection for occurrences of threatened, endangered, proposed, and candidate species.</p>				•
NSO-15 (ROWA) BLM Sensitive Plant Species' Occupied Habitat.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 100 meters (328 feet) of BLM sensitive plant species' occupied habitat. In addition, relocation of operations by more than 200 meters (656 feet) may be required.</p> <p>PURPOSE: To protect BLM sensitive plant species and their</p>				•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>habitat.</p> <p>EXCEPTION: Exceptions may be granted for activities where no other feasible alternatives are available and losses of population numbers comprise less than five percent of total population present in the action area.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to guard against BLM-permitted activities resulting in the listing of any species on the State Director's Sensitive Species List. This stipulation is based on guidance from the USFWS and BLM (USFWS and BLM 2008).</p>				
NSO-16 (ROWA) Osprey Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.25-mile of active osprey nest sites.</p> <p>PURPOSE: To protect osprey habitat and nest sites.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	
NSO-17 (ROWA) Ferruginous Hawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.5-mile of active ferruginous hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect ferruginous hawk nesting habitat</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
NSO-18 (ROWA) Red-tailed Hawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.33-mile of active red-tailed hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect red-tailed hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect red-tailed hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	
NSO-19 (ROWA) Swainson's Hawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.25-mile of active Swainson's hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect Swainson's hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Swainson's hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
NSO-20 (ROWA) Peregrine Falcon Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.5-mile of active peregrine falcon nest sites.</p> <p>PURPOSE: To protect peregrine falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect peregrine falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	
NSO-21 (ROWA) Prairie Falcon Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.5-mile of active prairie falcon nest sites.</p> <p>PURPOSE: To protect prairie falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>			•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-22 (ROWA) Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.125-mile of an active nest site of all accipiters, falcons (except kestrel), buteos, and owls not listed in other NSO stipulations. Raptors that are listed and protected by the Endangered Species Act of 1973 and the Bald and Golden Eagle Protection Act are addressed separately.</p> <p>PURPOSE: To protect raptor nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect raptor nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2002).</p>			•	
NSO-23 (ROWA) Golden Eagle Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.25-mile of active golden eagle nest sites and associated alternate nests.</p> <p>PURPOSE: To protect golden eagle nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect golden eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>	•	•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-24 (ROWA) Bald Eagle Nest Sites.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 0.25-mile of active bald eagle nests.</p> <p>PURPOSE: To protect bald eagle nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The NSO area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect bald eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•	•	•
NSO-25 (ROWA) Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (4 miles).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 4 miles of an active lek or within sage-grouse nesting and early brood-rearing habitat.</p> <p>PURPOSE: To protect breeding, nesting, and brood-rearing habitat for the Gunnison and greater sage-grouse.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation to the lek site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impacts on greater and Gunnison sage-grouse. The four mile buffer is consistent with current scientific research recommendations (The Parachute-Piceance-Roan (PPR) Greater Sage-Grouse Work Group 2008).</p>		•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-26 (ROWA) Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Boreal Toad (no buffer).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within all identified canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot, and boreal toad breeding and denning sites.</p> <p>PURPOSE: To protect breeding habitat for canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot, and boreal toad. Note: no midget faded rattlesnake or boreal toad breeding locations are currently identified in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important breeding habitat for these species. The Northern Leopard Frog has been petitioned for listing under the ESA.</p>	•			•
NSO-27 (ROWA) Canyon Treefrog, Midget Faded Rattlesnake, Northern Leopard Frog, Great Basin Spadefoot, Boreal Toad (0.5-mile).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.5-mile of all identified canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot, and boreal toad breeding and denning sites.</p> <p>PURPOSE: To protect breeding habitat for canyon treefrog, northern leopard frog, midget faded rattlesnake, Great Basin spadefoot and boreal toad. Note: no midget faded rattlesnake or boreal toad breeding locations are currently identified in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important breeding habitat for these species. The Northern Leopard Frog has been petitioned for listing under the ESA. The larger buffer would ensure potential impacts would be minimized.</p>				•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-28 (ROWA) Special Status Bat Species' Roost Sites and Winter Hibernacula.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.25-mile radius of special status bat species' roost sites and winter hibernacula.</p> <p>PURPOSE: To protect special status bat species' roost sites and winter hibernacula.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impacts on important bat areas.</p>		•	•	
NSO-29 (ROWA) Active Kit Fox Dens.	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and other intensive activities including but not limited to work-over rigs and permitted recreational events within 200 meters (656 feet) of active kit fox dens.</p> <p>PURPOSE: To protect breeding kit fox. Note there are currently no known breeding locations for kit fox in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize disturbance to the kit fox, which have become increasingly rare in Colorado and appear to be significantly more susceptible to disturbance than other canids in the GJFO.</p>		•	•	
NSO-30 (ROWA) Occupied Prairie Dog Towns (no buffer).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within active white-tailed prairie dog towns.</p> <p>PURPOSE: To maintain or improve white-tailed prairie dog habitat and distribution.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). Additional exception criteria include activities that avoid the center of active towns while maintaining the integrity of the town's social structure.</p>		•		

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected	<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie dogs, a keystone species whose population has been declining across the western US.</p>				
NSO-31 (ROWA) Occupied Prairie Dog Towns (46 meters).	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities (beyond that which historically occurred in the area) within 46 meters (150 feet) of active white-tailed prairie dog towns.</p> <p>PURPOSE: To maintain or improve white-tailed prairie dog habitat and distribution.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending upon the type of activity and existing disturbance within 46 meters (150 feet) of the white-tailed prairie dog town.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation provides additional protection for prairie dogs, a keystone species whose population has been declining across the western US.</p>			•	
Fish and Wildlife					
NSO-32 (ROWA) Research Sites. 130 acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in approved research sites including, but not limited to, the Ant Research Area (16 Road) and the Owl Banding Station (south of DeBeque).</p> <p>PURPOSE: To maintain the integrity of ongoing research stations.</p> <p>EXCEPTION: Exceptions would be granted for work to be done in the research areas consistent with the goals and objectives of the research being conducted on the site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>		•	•	•

**Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	JUSTIFICATION: This stipulation is necessary to protect long-term, ongoing research sites within the GJFO. If research sites are impacted, they incur the potential for research findings to be negatively affected.				
NSO-12 (Partial ROWA)	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following ACECs to protect threatened, proposed, candidate, and sensitive species and habitat:	•	•	•	
ACECs.					
Alternative B: 74,200 acres	<u>Alternative B:</u> <ul style="list-style-type: none"> • Atwell Gulch (2,900 acres); • Indian Creek (1,700 acres); • The Palisade (32,200 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); and • South Shale Ridge (28,200 acres). 				
Alternative C: 146,000 acres	<u>Alternative C:</u> <ul style="list-style-type: none"> • Atwell Gulch (6,100 acres); • Colorado River Riparian (880 acres); • Glade Park-Pinyon Mesa (27,200 acres); • Indian Creek (1,700 acres); • The Palisade (32,200 acres); • Plateau Creek (220 acres); • Prairie Canyon (6,900 acres); • Roan and Carr Creeks (33,600 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); and • South Shale Ridge (28,200 acres). 				
Alternative D: 29,600 acres	<u>Alternative D:</u> <ul style="list-style-type: none"> • The Palisade (26,900 acres); and • Rough Canyon (2,700 acres). 				
	PURPOSE: Atwell Gulch: To protect wildlife habitat. Colorado River Riparian: To protect fisheries values. Glade Park-Pinyon Mesa: To protect occupied Gunnison sage-grouse habitat.				

**Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>Indian Creek: To protect wildlife values.</p> <p>The Palisade: To protect special status wildlife.</p> <p>Plateau Creek: To protect fisheries values.</p> <p>Prairie Canyon: To protect wildlife habitat.</p> <p>Roan and Carr Creeks: To protect core conservation populations of cutthroat trout.</p> <p>Rough Canyon: To protect wildlife habitat.</p> <p>Sinbad Valley: To protect wildlife resources.</p> <p>South Shale Ridge: To protect wildlife habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: This stipulation may be modified to include species listed as threatened, endangered, proposed, candidate, or sensitive in the future. This stipulation may also be modified to account for the change in status of species protected in this stipulation.</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect critical habitat for threatened, proposed, and sensitive plants.</p>				
<p>NSO-1 (Exhibit GJ-1DE) (BLM 1987)</p> <p>No Surface Occupancy (Wildlife Habitat in Rough Canyon).</p> <p>2,600 acres</p>	<p>STIPULATION: Prohibit occupancy or other activity on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <p>PURPOSE: To protect wildlife habitat in Rough Canyon.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-1 (ROWA) (BLM 1987)	<p>STIPULATION: Prohibit occupancy and other activities on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <ul style="list-style-type: none"> • Highline Reservoir recreation site (1,800 acres) (Exhibit GJ-11E) • Horsethief Canyon (1,400 acres) (Exhibit GJ-1DD) • Jerry Creek Reservoir (7,200 acres) (Exhibit GJ-6BD) • Vega Reservoir recreation site (4,000 acres) (Exhibit GJ-11D) <p>PURPOSE: To protect wildlife habitat, reservoirs, and recreation facilities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>	•			
<p>NSO-33</p> <p>Jerry Creek Reservoir, Plateau Creek, and Horsethief Canyon State Wildlife Areas, and Highline and Vega State Parks.</p> <p>6,100 acres</p>	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in areas where BLM manages the federal mineral estate under the following state wildlife areas and state parks:</p> <ul style="list-style-type: none"> • Horsethief Canyon State Wildlife Area (1,400 acres) • Jerry Creek Reservoir State Wildlife Area (870 acres) • Plateau Creek State Wildlife Area (1,400 acres) • Highline State Park (350 acres) • Vega State Park (2,000 acres) <p>PURPOSE: To protect wildlife habitat, reservoirs, and recreation facilities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to prevent placement of facilities within the state wildlife areas, where BLM manages the fluid mineral rights.</p>	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected NSO-1 (Exhibit GJ-1DC) (BLM 1987) No Surface Occupancy (Elk Calving Sites).	STIPULATION: Prohibit occupancy or other activity on the following portions of this lease: <LEGAL_DESCRIPTIONS> PURPOSE: To protect elk calving sites. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.	•			
NSO-34 (ROWA) Elk Production Area. BLM surface/federal minerals: 13,100 acres Private or State surface/federal minerals: 25,100 acres	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in elk production areas year-round. PURPOSE: To protect elk production areas. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard modifications apply (Section B.2). JUSTIFICATION: This stipulation is necessary to reduce surface disturbance and habitat fragmentation on BLM lands that CPW has identified as elk calving habitat.		•	•	•
NSO-35 (ROWA) Wildlife Emphasis Areas. Alternative B: 43,800 acres Alternative C: 54,000 acres	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following wildlife emphasis areas: <u>Alternative B:</u> <ul style="list-style-type: none"> • Blue Mesa (wintering habitat for mule deer and elk) (9,300 acres); • Bull Hill (wintering habitat for mule deer and elk) (4,800 acres); • A portion of East Salt Creek (wintering habitat for mule deer and elk) (4,500 acres); • Sunnyside (wintering and migratory habitat for bighorn sheep, mule deer, elk, and sage-grouse) (14,500 acres); and • Timber Ridge (habitat for mule deer, elk, and sage-grouse) (11,800 acres). 		•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
	<p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Beehive (wintering and migratory habitat for mule deer and elk) (4,700 acres); • Blue Mesa (wintering habitat for mule deer and elk) (9,300 acres); • Bull Hill (wintering habitat for mule deer and elk) (4,800 acres); • Casto (wintering habitat for mule deer and elk) (4,200 acres); • A portion of East Salt Creek (wintering habitat for mule deer and elk) (4,400 acres); • A portion of Prairie Canyon (pronghorn antelope habitat) (2,800 acres); • A portion of Rapid Creek (wintering habitat for mule deer) (1,700 acres); and • Sunnyside (wintering and migratory habitat for bighorn sheep, mule deer, elk, and sage-grouse) (11,300 acres); and • Timber Ridge (habitat for mule deer, elk, and sage-grouse) (11,800 acres). <p>PURPOSE: To protect wildlife emphasis areas for the species noted above. Wildlife emphasis areas are areas of the highest value/top-ranked wildlife habitat (by BLM and CPW) for multiple species.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, exceptions would be granted for range development projects designed to improve livestock grazing distribution.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the highest priority wildlife habitat for deer, elk, antelope, bighorn sheep, and sage-grouse. Wildlife emphasis areas were identified in coordination with CPW biologists.</p>				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Wild Horses					
NSO-36 (ROWA)	STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the LBCWHR.		•	•	
Little Book Cliffs Wild Horse Range.	PURPOSE: To protect wild horses in the LBCWHR.				
35,100 acres	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard modifications apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to mitigate impacts that could interfere with the protection and management of wild horses in the LBCWHR.				
Cultural Resources					
NSO-37 (ROWA)	STIPULATION: Prohibit surface occupancy and surface-disturbing activities, including archaeological excavation, within 100 meters (328 feet) around eligible sites allocated to Conservation Use.		•	•	•
Allocation to Conservation Use Category.	PURPOSE: To protect unique scientific information in sites allocated to Conservation Use.				
	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis, taking into account topographical barriers, the design of the proposed action, and the characteristics of the cultural resource site and/or area.				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to preserve sites allocated to Conservation Use, where mitigation through data recovery is not an option. This stipulation allows the BLM to mitigate impacts that can cause significant degradation to the site integrity criteria that are applied in the designation of the cultural resource as eligible or potentially eligible for nomination to the NRHP (36 CFR part 800.5(a)(1)).				

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-38 (ROWA) Allocation to Traditional Use Category.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 200 meters (656 feet) around eligible or potentially eligible sites allocated to Traditional Use. In addition, consider visual impacts that projects may have on sites allocated to this use, and apply appropriate mitigation, which may include redesign.</p> <p>PURPOSE: To protect values that contribute to sites allocated to Traditional Use.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis after completion and documentation of Native American Consultation, taking into account topographical barriers, the design of the proposed action, and the characteristics of the cultural resource site and/or area.</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to address indirect or secondary impacts that can occur to cultural resources that have been identified by the Ute Indian Tribe and Ute Mountain Ute Indian Tribe. This stipulation buffer has been established through consultation conducted with the Ute Indian Tribe for the Orchard GAP (shared CRVFO-GJFO MDP) and during the RMP Ute Ethnohistory project with the Ute Indian Tribe and the Ute Mountain Ute Tribe. Impacts to Traditional Use sites are typically not mitigated through data recovery. This stipulation allows the BLM to mitigate impacts that can cause significant degradation to the site integrity criteria that are applied in the designation of the cultural resource as eligible or potentially eligible for nomination to the NRHP (36 CFR part 800.5(a)(1)).</p>	•	•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-1 (BLM 1987) No Surface Occupancy (Cultural Resources). 4,600 acres	<p>STIPULATION: Prohibit occupancy or other activity on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <ul style="list-style-type: none"> • Site 5ME1358 (Exhibit GJ-1HF) (170 acres); • Indian Creek (Exhibit GJ-1HA) (1,400 acres); • Rough Canyon (Exhibit GJ-1HB) (2,600 acres); and • Ladder Springs (Exhibit GJ-1HG) (460 acres). <p>PURPOSE: To protect unique, significant, and fragile cultural resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			
NSO-39 Cultural Resources (Indian Creek). 1,700 acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following areas:</p> <ul style="list-style-type: none"> • West Indian Creek (520 acres); and • East Indian Creek (1,200 acres). <p>PURPOSE: To protect cultural resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard modifications apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary because data recovery to mitigate adverse effects (for the purposes of compliance with Section 106 of the NHPA) is not an objective for these sites. This stipulation also preserves the site(s) within these areas for long term research projects.</p>	•	•	•	

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Visual Resources					
NSO-1 (BLM 1987)	<p>STIPULATION: Prohibit occupancy or other activity on the following portions of this lease: <LEGAL_DESCRIPTIONS>.</p> <ul style="list-style-type: none"> • Juanita Arch (330 acres) (Exhibit GJ-1GA); • The Goblins (120 acres) (Exhibit GJ-1GB); • Dolores River corridor (55,200 acres) (Exhibit GJ-1GE); • Gunnison River corridor (22,000 acres) (Exhibit GJ-1GF); • The Book Cliffs (15,300 acres) (Exhibit GJ-1GH); • Bangs Canyon (39,900 acres) (Exhibit GJ-1GJ); • Sinbad Cliffs (7,400 acres) (Exhibit GJ-1GK); • Granite Creek Canyon/Cliffs (14,200 acres) (Exhibit GJ-1GL); • Unawep Canyon (54,000 acres) (Exhibit GJ-1GM); • Hunter/Garvey Cliffs (24,400 acres) (Exhibit GJ-1GN); and • Vega State Recreation Area (7,100 acres) (Exhibit GJ-1GO). <p>PURPOSE: To protect visual resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.</p>	•			
No Surface Occupancy (Visual Resources). 189,900 acres					
NSO-40	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within the following areas:</p> <ul style="list-style-type: none"> • All VRM Class I areas; and • The Goblins. <p>PURPOSE: To protect visual resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure the protection of vital visual features in the GJFO landscape.</p>	•	•	•	
VRM (Class I and the Goblins).					
Alternative B: 98,500 acres					
Alternative C: 101,000 acres					
Alternative D: 9,500 acres					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	Lands Managed for Wilderness Characteristics outside WSAs				
NSO-4I	STIPULATION: Prohibit surface occupancy and surface-disturbing activities on lands managed for wilderness characteristics outside of existing WSAs:		•	•	
Lands Managed for Wilderness Characteristics outside WSAs.	<u>Alternative B:</u>				
Alternative B: 24,600 acres	<ul style="list-style-type: none"> • Maverick (17,800 acres); • Unaweep Canyon (6,700 acres); and • West Creek (adjacent) (20 acres). 				
Alternative C: 171,000 acres	<u>Alternative C:</u>				
	<ul style="list-style-type: none"> • Bangs Canyon (20,400 acres); • East Demaree Canyon (4,800 acres); • East Salt Creek (17,000 acres) • Hunter Canyon (32,000 acres); • Kings Canyon (9,600 acres); • Lumsden Canyon (10,100 acres); • Maverick (20,400 acres); • South Shale Ridge (27,500 acres); • Spink Canyon (13,100 acres); • Spring Canyon (8,800 acres); • Unaweep Canyon (7,200 acres); and • West Creek (adjacent) (110 acres). 				
	PURPOSE: To protect wilderness characteristics.				
	EXCEPTION: Standard exceptions apply (Section B.2).				
	MODIFICATION: Standard modifications apply (Section B.2).				
	WAIVER: Standard waivers apply (Section B.2).				
	JUSTIFICATION: This stipulation is necessary to ensure lands with identified wilderness characteristics remain in their current undeveloped state.				

**Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					
Recreation and Visitor Services					
NSO-1 (ROWA) (BLM 1987)	<p>STIPULATION: Prohibit occupancy or other activity on the following portions of this lease: <LEGAL_DESCRIPTIONS>.</p> <ul style="list-style-type: none"> • The Palisade ONA (860 acres) (Exhibit Gj-1IA); • Established recreation sites (200 acres) (Exhibit Gj-1IB); • Island Acres (560 acres) (Exhibit Gj-1IC); • Vega State Recreation Area (4,000 acres) (Exhibit Gj-1ID); • Highline Reservoir Recreation Area (1,7800 acres) (Exhibit Gj-1IE); • Rough Canyon ACEC (2,600 acres) (Exhibit Gj-1IF); • Hunter/Garvey backcountry (23,000 acres) (Exhibit Gj-1IG); • Granite Creek Canyons/Cliffs (14,000 acres) (Exhibit Gj-1IH); • Bangs Canyon (36,900 acres) (Exhibit Gj-1II); • Dolores River (8,400 acres) (Exhibit Gj-1IK); and • Gunnison River (21,500 acres) (Exhibit Gj-1IL). <p>PURPOSE: To protect recreational resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.</p>	•			
No Surface Occupancy (Recreational Resources).					
114,000 acres					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
NSO-42 Special Recreation Management Areas. <i>Alternative B:</i> 34,200 acres <i>Alternative C:</i> 17,300 acres <i>Alternative D:</i> 25,200 acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in the following RMZs/SRMAs for the protection of the recreation activities, outcomes, and setting characters.</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Bangs (17,300 acres) • Dolores River Canyon (16,900 acres) <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Bangs (17,300 acres) <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Bangs (17,300 acres) • Castle Rock (4,400 acres) • Gunnison River Bluffs (800 acres) • Palisade Rims (2,700 acres) <p>PURPOSE: To protect: (1) the prescribed physical, social, and operational natural resource recreational setting character; (2) the targeted recreation activity, experience, and beneficial outcome opportunities; and (3) visitor health and safety in areas of high recreational value and/or significant recreational activity.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard modifications apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas important to recreation users which may also include large facility investments. Protection of RMZs is necessary to meet desired recreation outcomes.</p>	•	•	•	
NSO-1 (BLM 1987) No Surface Occupancy (State Wildlife Areas).	<p>Fluid Minerals (Oil and Gas and Geothermal Resources)</p> <p>STIPULATION: Prohibit occupancy and other activities on the following portions of this lease: <LEGAL_DESCRIPTIONS></p> <ul style="list-style-type: none"> • Highline Reservoir recreation site (1,788 acres) (<i>Exhibit GJ-11E</i>) • Horsethief Canyon (1,400 acres) (<i>Exhibit GJ-1DD</i>) • Jerry Creek Reservoir (7,200 acres) (<i>Exhibit GJ-6BD</i>) 	•			

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<ul style="list-style-type: none"> Vega Reservoir recreation site (4,000 acres) (<i>Exhibit GJ-11D</i>) <p>PURPOSE: To protect wildlife habitat, reservoirs, and recreation facilities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				
NSO-33	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in areas where BLM manages the fluid mineral rights under the following state wildlife areas and state parks:</p> <ul style="list-style-type: none"> Horsethief Canyon State Wildlife Area (1,400 acres) Jerry Creek Reservoir State Wildlife Area (870 acres) Plateau Creek State Wildlife Area (1,400 acres) Highline State Park (350 acres) Vega State Park (1,982 acres) <p>PURPOSE: To protect wildlife habitat, reservoirs, and recreation facilities.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to prevent placement of facilities within the state wildlife areas, where BLM manages the fluid mineral rights.</p>		•		
Jerry Creek Reservoir, Plateau Creek, and Horsethief Canyon State Wildlife Areas, and Highline and Vega State Parks. 6,000 acres					
ACECs					
NSO-1 (<i>Partial ROWA</i>) (<i>BLM 1987</i>)	<p>STIPULATION: Prohibit surface occupancy and surface disturbing activities in the following ACECs:</p> <p><u>Alternative A:</u></p> <ul style="list-style-type: none"> Badger Wash (hydrologic and sensitive plants study area) (<i>Exhibit GJ-1BA</i>) (1,900 acres); The Palisade (<i>Exhibit GJ-1IA</i>) (26,900 acres); Pyramid Rock State Natural Area (550 acres) (<i>Exhibit GJ-1EF</i>); 	•	•	•	•
NSO-12 (<i>Partial ROWA</i>) ACECs. <i>Alternative A:</i>					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
28,800 acres	<ul style="list-style-type: none"> • Rough Canyon (<i>Exhibit GJ-IEF</i>) (2,700 acres); and • UnawEEP Seep (<i>Exhibit GJ-IEG</i>) (80 acres). 				
Alternative B: 106,000 acres	<p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Atwell Gulch Potential (2,900 acres); • Badger Wash (2,200 acres); • Dolores River Riparian (7,400 acres); • Indian Creek (1,700 acres); • Juanita Arch (1,600 acres); • Mt. Garfield (3,500 acres); • The Palisade (32,200 acres); • Pyramid Rock (1,300 acres); • Roan and Carr Creeks (15,700 acres); • Rough Canyon (2,800 acres); • Sinbad Valley (6,400 acres); • South Shale Ridge (28,200 acres); and • UnawEEP Seep (85 acres). 				
Alternative C: 167,800 acres	<p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Atwell Gulch Potential (6,100 acres); • Badger Wash (2,200 acres); • Colorado River Riparian (880 acres); • Coon Creek (110 acres); • Dolores River Riparian (7,400 acres); • Glade Park-Pinyon Mesa (27,200 acres); • Gunnison River Riparian (460 acres); • Hawxhurst Creek (860 acres); • Indian Creek (1,700 acres); • John Brown Canyon (1,400 acres); • Juanita Arch (1,600 acres); • Mt Garfield (5,700 acres); • The Palisade (32,200 acres); • Plateau Creek (200 acres); • Prairie Canyon (6,900 acres); • Pyramid Rock (1,300 acres); • Reeder Mesa (470 acres); • Roan and Carr Creeks (33,600 acres); • Rough Canyon (2,800 acres); 				
Alternative D: 33,200 acres					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<ul style="list-style-type: none"> • Sinbad Valley (6,400 acres); • South Shale Ridge (28,200 acres); and • Unaweep Seep (85 acres). <p>Alternative D:</p> <ul style="list-style-type: none"> • Badger Wash (paired study watersheds) (2,200 acres); • The Palisade (26,900 acres); • Pyramid Rock (1,300 acres); • Rough Canyon (2,700 acres); and • Unaweep Seep (80 acres). <p>PURPOSE: To protect the relevant and important values for which the ACEC was established.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change, or if the lease can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified. If this stipulation is waived or reduced in scope, any of the other attached stipulations (if any) may impact operations on this lease.</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas that contain highly important resources requiring special protections.</p>				
NSO-43	Wilderness Study Areas				
Wilderness Study Areas.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities in WSAs in accordance with the Interim Management Policy for Lands Under Wilderness Review (BLM Manual H-8550-1) (BLM 1995c).</p> <ul style="list-style-type: none"> • Demaree Canyon (22,700 acres); • Little Book Cliffs (29,300 acres); • The Palisade (26,700 acres); • Sewemup Mesa (17,800 acres). <p>PURPOSE: To preserve wilderness characteristics in WSAs in accordance with non-impairment standards as defined by the Interim Management Policy for land under wilderness review</p>	•	•	•	•
96,500 acres					

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	(BLM Manual H-8550-1). EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to preserve wilderness characteristics in WSAs in accordance with non-impairment standards as defined by the Interim Management Policy for land under wilderness review (BLM Manual H-8550-1).				
Wild and Scenic Rivers					
NSO-44 (ROWA) WSR Study Segments Classified as Wild. 1,100 acres	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within 0.25-mile of either side of the active river channel (bank-full stage). • North Fork West Creek. PURPOSE: To protect the outstanding remarkable values, water quality, and free-flowing nature and recommended classification of suitable segments. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to ensure WSR segments classified as Wild remain undeveloped and waters unpolluted.				•
National Trails					
NSO-45 (ROWA) Old Spanish National Historic Trail (200 meters). 1,000 acres	STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 200-meter (656-foot) buffer from the center line of the Old Spanish National Historic Trail. PURPOSE: To protect the Old Spanish National Historic Trail. EXCEPTION: Exceptions would be granted for actions not resulting in long-term adverse impacts to the trail. MODIFICATION: Standard modifications apply (Section B.2).				•

Table B-5
No Surface Occupancy (NSO) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the cultural and historic resources along this congressionally designated historic trail.</p>				
NSO-46 (ROWA) Old Spanish National Historic Trail (0.5 mile). 3,400 acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 0.5-mile buffer from the center line of the Old Spanish National Historic Trail.</p> <p>PURPOSE: To protect the Old Spanish National Historic Trail.</p> <p>EXCEPTION: Exceptions would be granted for actions not resulting in long-term adverse impacts to the trail.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect to protect the cultural and historic resources along this congressionally designated historic trail.</p>			•	
NSO-47 (ROWA) Old Spanish National Historic Trail (50 meters). 270 acres	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within a 50-meter (164-foot) buffer from the center line of the Old Spanish National Historic Trail.</p> <p>PURPOSE: To protect the Old Spanish National Historic Trail.</p> <p>EXCEPTION: Exceptions would be granted for actions not resulting in long-term adverse impacts to the trail.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect to protect the cultural and historic resources along this congressionally designated historic trail.</p>				•

¹Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		Water Resources				
CSU-I (ROWA)		STIPULATION: Apply CSU (site-specific relocation) restrictions from 0.25- to 0.5-mile landward from identified NSO buffer (0.25-mile from ordinary high water mark or within 100 meters [328 feet] of the 100-year floodplain, whichever is greatest) on either side of the Colorado, Gunnison, and Dolores Rivers for fluid mineral development.		•	•	
Major River Corridors.		PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).				
12,700 acres		EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows: <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. 				
		MODIFICATION: Standard modifications apply (Section B.2).				
		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-7 (ROWA) (BLM 1987)	Perennial Streams Water Quality.	<p>STIPULATION: Limit surface-disturbing activities within 100 feet of perennial streams to essential roads and utility crossings.</p> <p>PURPOSE: To reduce impacts to water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			
CSU-2 (ROWA)	Hydrologic Features/Riparian.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 152 meters (500 feet) from the edge of any hydrologic feature including perennial and intermittent streams, wetlands (including fens), lakes, springs, seeps, and riparian areas.</p> <p>PURPOSE: To protect water quality and aquatic values and prevent channel degradation, as Streamside Management Zones are lands adjacent to a waterbody where activities on land are likely to affect water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect water quality, riparian and wildlife dependent habitats.</p>	•	•	•	
CSU-3 (ROWA)	Definable Streams.	<p>STIPULATION: Surface disturbing actions within a minimum distance of 30 meters (98 feet) from the edge of the ordinary high-water mark (bank-full stage) should be avoided to the greatest extent practicable and disturbances would be subject to site specific relocation at the discretion of the BLM.</p> <p>PURPOSE: To protect watershed resource values and reduce non-point source pollutant contributions to the Colorado River system.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>	•			

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	<p>WAIVER: Standard waivers apply (Section B.2)</p> <p>JUSTIFICATION: This stipulation is necessary to carefully plan and appropriately mitigate disturbances near surface water drainages in order to reduce non-point source pollutant contributions from BLM lands to the Colorado River system.</p>				
<p>CSU-6 (BLM 1987)</p> <p>Watersheds. 10,600 acres</p>	<p>STIPULATION: Require that all lease operations avoid interference with watershed resource values located on the following portions of this lease:</p> <ul style="list-style-type: none"> • Jerry Creek Reservoirs (5,400 acres) (Exhibit GJ-6BD) and • The Palisade municipal watershed (5,200 acres) (Exhibit GJ-6BB). <p>PURPOSE: To protect watershed resource values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: This may include the relocation of proposed roads, drilling sites, and other facilities, or the application of appropriate mitigating measures.</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			
<p>CSU-4 (ROWA)</p> <p>Collbran and Mesa/ Powderhorn Source Water Protection Areas, and Jerry Creek Watershed.</p> <p>BLM surface/federal minerals: 148,200 acres</p> <p>Private or State surface/federal minerals: 30,300 acres</p>	<p>STIPULATION: Require that all ground disturbances within source water protection areas and the Jerry Creek watershed avoid interference with watershed resource values.</p> <p>PURPOSE: To protect watershed resource values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2)</p> <p>JUSTIFICATION: This stipulation is necessary because land management actions can compromise both water quality and quantity if proper locations, mitigation and construction techniques are not utilized.</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Soils and Geology						
CSU-5 (ROWA)	Fragile Soils.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities associated with all other land use authorizations, permits, and leases granted in areas with mapped fragile soils.</p> <p>PURPOSE: To protect fragile soils, minimize erosion and sedimentation to surface water drainages, and reduce non-point source pollutants from BLM administered lands.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to allow BLM to move surface disturbances away from fragile soils in order to minimize erosion and sediment transport to area drainages. This stipulation is also necessary to help improve reclamation potential of surface disturbing actions in the resource area.</p>		•		
CSU-6 (ROWA)	Mapped Mancos Shale and Saline Soils.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within mapped Mancos Shale areas and on saline soils.</p> <p>PURPOSE: To improve reclamation potential of disturbed lands, maintain soil stability and productivity in sensitive areas, and to minimize contributions of salt, selenium, sediment, and other minerals constituents of eroding soils likely to affect downstream water quality.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to decrease potential degradation to soil and watershed resources within the Greater Colorado River Basin. Land use decisions occurring on mapped areas of Mancos Shale (e.g. conversion of native vegetative communities to irrigated hay fields or golf courses) have been documented to mobilize selenium and contaminate</p>		•	•	•
	<i>BLM surface/ federal minerals:</i> 355,500 acres <i>Private or State surface/federal minerals:</i> 12,000 acres					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		ground and surface water resources. The Colorado River Basin Salinity Control Act of 1974 directed the BLM to manage the Colorado River's salinity, including salinity contributed from public lands.				
CSU-7		STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities associated with all other land use authorizations, permits, and leases granted in areas with natural slopes in the range of 25 to 40 percent. PURPOSE: To protect natural slopes. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to allow BLM to move surface disturbances away from natural slopes in order to reduce erosion and sediment load, and improve reclamation potential.		•	•	
	<i>BLM surface/ federal minerals:</i> 173,100 acres <i>Private or State surface/federal minerals:</i> 26,100 acres					
		Vegetation				
CSU-8 (ROWA)		STIPULATION: Apply CSU (site-specific relocation) restrictions within all old growth forests and woodlands. PURPOSE: To protect old growth forests and woodlands. EXCEPTION: Standard exceptions apply (Section B.2). MODIFICATION: Standard modifications apply (Section B.2). WAIVER: Standard waivers apply (Section B.2). JUSTIFICATION: This stipulation is necessary to minimize the loss of old growth trees by adjusting the location of well pads, access roads, and other development.		•	•	•
	Old Growth Forests and Woodlands.					
		Special Status Species				
CSU-9 (ROWA)		STIPULATION: For plant species listed as sensitive by BLM, special design, construction, and implementation measures within a 100-meter (328 feet) buffer from the edge of occupied habitat may be required. In addition, relocation of operations by more than 200 meters (656 feet) may be required.		•		
	BLM Sensitive Plant Species Occupied Habitat.					

**Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>PURPOSE: To protect BLM sensitive plant species from direct and indirect impacts, including loss of habitat. The protection buffer reduces dust transport, weed invasion, chemical and produced-water spills and those effects on BLM sensitive plant populations. It also reduces impacts to important pollinators and their habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to reduce direct impacts to sensitive status species by placing disturbances outside of occupied habitat.</p>				
CSU-10 (ROWA)	Wildlife Habitat.	<p>STIPULATION: Require proponents of surface-disturbing activities to implement specific measures to reduce impacts of operations on wildlife and wildlife habitat within high-value or crucial wildlife habitat. Measures would be determined through biological surveys, onsite inspections, effects of previous actions in the area, and BMPs.</p> <p>PURPOSE: To reduce impacts of surface disturbing activities and related actions on wildlife and wildlife habitat within high-value or crucial wildlife habitat including, but not limited to, big game winter range and Gunnison and greater sage grouse habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to remain in compliance with current BLM sage grouse direction and allow for protection of essential habitat for wildlife species.</p>	•	•		

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-I (ROWA)	Major River Corridors.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions from 0.25- to 0.5-mile landward from identified NSO buffer (0.25-mile from ordinary high water mark or within 100 meters [328 feet] of the 100-year floodplain, whichever is greatest) on either side of the Colorado, Gunnison, and Dolores Rivers for fluid mineral development.</p> <p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • New trail construction resulting in a disturbance corridor less than or equal to 48 inches wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards. • BLM on-site evaluation identifies topographic features which adequately buffer and protect riverine environments from adverse impacts. <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.</p>			•	•
12,700 acres						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-11 (ROWA)	Significant Plant Communities (200 meters).	<p>STIPULATION: For those plant communities that meet BLM's criteria for significant plant communities, special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required. Habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species or communities.</p> <p>PURPOSE: To conserve significant plant communities and relict communities that are not otherwise protected.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to limit new disturbance within relic plant communities, thus reducing fragmentation, and the possibility of degradation or loss.</p>		•	•	
CSU-12 (ROWA)	Significant Plant Communities (no buffer).	<p>STIPULATION: For those plant communities that meet BLM's criteria for significant plant communities, special design, construction, and implementation measures, including avoidance, may be required. Habitat areas include occupied habitat and habitat necessary for the maintenance or recovery of the species or communities.</p> <p>PURPOSE: To conserve significant plant communities and relict communities that are not otherwise protected.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to limit new disturbance within relic plant communities, thus reducing fragmentation, and the possibility of degradation or loss.</p>				•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-13 (ROWA) Osprey Nest Sites.		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.25-mile of active osprey nest sites.</p> <p>PURPOSE: To protect osprey habitat and nest sites.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
CSU-14 (ROWA) Ferruginous Hawk Nest Sites.		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.5-mile of active ferruginous hawk nest sites, and associated alternate nests.</p> <p>PURPOSE: To protect ferruginous hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-15 (ROWA)	Red-tailed Hawk Nest Sites.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.33-mile of active red-tailed hawk nest sites, and associated alternate nests.</p> <p>PURPOSE: To protect red-tailed hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect red-tailed hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
CSU-16 (ROWA)	Swainson's Hawk Nest Sites.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.25-mile of active Swainson's hawk nest sites and associated alternate nests.</p> <p>PURPOSE: To protect ferruginous hawk nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Swainson's hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-17 (ROWA)	Peregrine Falcon Nest Sites.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.5-mile of active peregrine falcon nest sites.</p> <p>PURPOSE: To protect peregrine falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect peregrine falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•
CSU-18 (ROWA)	Prairie Falcon Nest Sites.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.5-mile of active prairie falcon nest sites.</p> <p>PURPOSE: To protect prairie falcon nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•		•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-19 (ROWA) Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls).		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.125-mile of an active nest site of all accipiters, falcons (except kestrel), buteos, and owls not listed in other CSU stipulations. Raptors that are listed and protected by the Endangered Species Act of 1973 and the Bald and Golden Eagle Protection Act are addressed separately.</p> <p>PURPOSE: To protect nesting habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The CSU area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect raptor nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2002).</p>	•			•
CSU-20 (ROWA) Sage-grouse Nesting and Early Brood-rearing Habitat.		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to protect sage-grouse nesting and early brood-rearing habitat within 4 miles of an active lek or within sage-grouse nesting and early brood-rearing habitat.</p> <p>PURPOSE: To protect sage-grouse nesting and early brood-rearing habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the CSU area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation to the lek site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect sage-grouse nesting and early brood-rearing habitat, per current scientific research recommendations (Parachute-Piceance-Roan Greater Sage-grouse Work Group 2008).</p>				•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-21 (ROWA) Special Status Bat Species' Roost Sites and Winter Hibernacula.		<p>STIPULATION: Require mitigation and minimization measures (as determined by the BLM biologist) for all surface occupancy and surface-disturbing activities within 0.25-mile of special status bat species' roost sites and winter hibernacula.</p> <p>PURPOSE: To protect bat-roosting and maternity sites and winter hibernacula.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to minimize impact to important bat areas.</p>				•
CSU-22 (ROWA) Kit Fox Dens.		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to, and require mitigation and minimization measures (as determined by the BLM biologist) of, surface occupancy and surface-disturbing activities within 200 meters (656 feet) of active kit fox dens.</p> <p>PURPOSE: To protect breeding kit fox. Note: there are currently no known breeding locations for kit fox in the GJFO.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect breeding kit fox, which have become increasingly rare in Colorado and appear to be significantly more susceptible to disturbance than other canids in the GJFO.</p>				•
CSU-23 (ROWA) Occupied Prairie Dog Towns.		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within active white-tailed prairie dog towns to avoid the center of active towns, while maintaining the integrity of the town's social structure.</p> <p>PURPOSE: To maintain white-tailed prairie dog habitat and distribution.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In</p>				•

**Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
	Acres/Miles Affected	<p>addition, the CSU area may be altered depending upon the type of activity and existing disturbance within 150 feet of the white-tailed prairie dog town.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie dogs, a keystone species whose population has been declining in the GJFO and across the western US. This stipulation would help to minimize total abandonment of towns by prairie dog colonies due to disturbance.</p>				
CSU-I (ROWA)	Major River Corridors.	Fish and Wildlife				
12,700 acres		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions from 0.25- to 0.5-mile landward from identified NSO buffer (0.25-mile from ordinary high water mark or within 100 meters [328 feet] of the 100-year floodplain, whichever is greatest) on either side of the Colorado, Gunnison, and Dolores Rivers for fluid mineral development.</p> <p>PURPOSE: To protect these riverine and adjacent areas that provide: a) special status fish and wildlife species habitat: b) important riparian values: c) water quality/filtering values: d) waterfowl and shorebird production values: e) valuable amphibian habitat: and f) high scenic and recreation values of the three major rivers (Colorado, Gunnison, and Dolores).</p> <p>EXCEPTION: Exceptions, which are subject to CSU (site-specific relocation) stipulations, are as follows:</p> <ul style="list-style-type: none"> • Essential future actions in which implementation of a professionally engineered design, construction, maintenance, and reclamation plan can mitigate to the fullest extent practicable all potential resource damage associated with the proposed action. • New trail construction resulting in a disturbance corridor less than or equal to 48 inches wide open to nonmotorized use. Trails would be constructed per BLM minimum design standards. • BLM on-site evaluation identifies topographic features which adequately buffer and protect riverine environments from 	•	•		

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		adverse impacts.				
		MODIFICATION: Standard modifications apply (Section B.2).				
		WAIVER: Standard waivers apply (Section B.2).				
		JUSTIFICATION: This stipulation is required to minimize potential deterioration of water quality, high scenic and recreation values, maintain natural hydrologic function and condition of stream channels, banks, floodplains, and riparian communities, and preserve wildlife habitat including designated critical habitat for federally listed fish species. The buffers are sized to accommodate the rivers' larger floodplains and wider riparian zones.				
CSU-10 (ROWA)	Wildlife Habitat.	<p>STIPULATION: Require proponents of surface-disturbing activities to implement specific measures to reduce impacts of operations on wildlife and wildlife habitat within high-value or crucial wildlife habitat. Measures would be determined through biological surveys, onsite inspections, effects of previous actions in the area, and BMPs.</p> <p>PURPOSE: To reduce impacts of surface disturbing activities and related actions on wildlife and wildlife habitat within high-value or crucial wildlife habitat including, but not limited to, big game winter range and Gunnison and greater sage grouse habitat.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to remain in compliance with current BLM sage grouse direction and allow for protection of essential habitat for wildlife species.</p>	•	•		

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
CSU-24 (ROWA)	Deer and Elk Migration and Movement Corridors.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within migration and movement corridors for deer and elk.</p> <p>PURPOSE: To protect deer and elk migration and movement corridors.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to ensure connectivity between summer and winter ranges for deer and elk. Fragmentation is an increasing problem in deer and elk habitat and this stipulation would help to maintain existing corridors on BLM lands.</p>		•	•	
CSU-25	Wildlife Emphasis Areas.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within the following wildlife emphasis areas:</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Beehive (habitat for mule deer and elk) (4,700 acres); • A portion of East Salt Creek (habitat for mule deer and elk) (21,700 acres); • Glade Park (habitat for Gunnison sage-grouse, mule deer, and elk) (27,200 acres); • A portion of Prairie Canyon (long billed curlew, long eared owl, pronghorn antelope, white-tailed prairie dog, kit fox, and burrowing owl habitat) (16,500 acres); • A portion of Rapid Creek (wintering and migratory habitat for mule deer and elk) (26,900 acres); • Roan and Carr Creeks (habitat for cutthroat trout and sage-grouse) (17,700 acres); and • South Shale Ridge (deer and elk wintering grounds) (3,500 acres). <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • A portion of East Salt Creek (habitat for mule deer and elk) (21,700 acres); • Hawxhurst (wintering and migratory habitat for bighorn sheep, mule deer, and elk) (9,400 acres); 		•	•	•
<i>Alternative B:</i> 130,800 acres						
<i>Alternative C:</i> 90,400 acres						
<i>Alternative D:</i> 33,400 acres						

**Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities**

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<ul style="list-style-type: none"> • Indian Point (habitat for pronghorn antelope and wintering habitat for mule deer and elk) (11,400 acres); • A portion of Prairie Canyon (long billed curlew, long eared owl, pronghorn antelope, white-tailed prairie dog, kit fox, and burrowing owl habitat) (12,500 acres); • A portion of Rapid Creek (wintering and migratory habitat for mule deer and elk) (26,900 acres); • Red Mountain (wintering and migratory habitat for mule deer and elk) (5,000 acres); and • South Shale Ridge (deer and elk wintering grounds) (3,500 acres). <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Roan and Carr Creeks (33,400 acres). <p>PURPOSE: To protect core wildlife areas, which are areas of the highest value/top-ranked wildlife habitat (by BLM and CPW) for multiple species.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect the highest priority wildlife habitat for deer, elk, antelope, bighorn sheep, and sage-grouse, Wildlife emphasis areas were identified in coordination with CPW biologists.</p>				
		Wild Horses				
CSU-2 (Exhibit GJ-2FA) (BLM 1987)	Scenic and Natural Values (Little Book Cliffs Wild Horse Area).	<p>STIPULATION: Special design and reclamation measures may be required to protect the outstanding scenic and natural landscape value of the following portion(s) of this lease: <LEGAL_DESCRIPTIONS></p> <p>Special design and reclamation measures may include transplanting trees and shrubs, fertilization, mulching, special erosion-control structures, irrigation, site recontouring to match the original contour, buried tanks and low-profile equipment, and painting to minimize visual contrasts. Surface-disturbing activities may be denied in sensitive areas, such as unique geologic features and rock formations, visually prominent areas, and high</p>				
36,100 acres						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		recreation use areas.				
		<p>PURPOSE: To protect scenic and natural values in the Little Book Cliffs Wild Horse Area.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>				
CSU-26	Little Book Cliffs Wild Horse Range.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within the LBCWHR.</p> <p>PURPOSE: To protect wild horses in the LBCWHR.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to mitigate impacts that could interfere with the protection and management of wild horses in the LBCWHR.</p>				•
	35,100 acres					
		Cultural Resources				
CSU-27(ROWA)	Allocation to Scientific Use Category.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities, except archaeological documentation and excavation, within 100 meters (328 feet) around eligible or potentially eligible sites allocated to Scientific Use.</p> <p>PURPOSE: To protect unique scientific information in sites that may be damaged from inadvertent or unauthorized uses.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis, taking into account topographical barriers, the nature of the proposed action, and the nature of the cultural resource site and/or area.</p>	•	•	•	

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to address indirect or secondary impacts that can occur to cultural resources. Indirect and secondary impacts are typically not mitigated through data recovery by the proponent. Managing properties by addressing only direct impacts can lead to adverse effect and the loss of the resource. This stipulation allows the BLM to mitigate impacts that can cause significant degradation to the site integrity criteria that are applied in the designation of the cultural resource as eligible or potentially eligible for nomination to the NRHP (36 CFR part 800.5(a)(1)).</p>				
CSU-28 (ROWA)	Allocation to Public Use Category.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface-disturbing activities within 100 meters (328 feet) around sites allocated to Public Use. In addition, consider factors such as integrity of setting, recreation opportunity, or visual impacts that projects may have on sites allocated to this use.</p> <p>PURPOSE: To protect the values that contribute to sites allocated to Public Use.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: The BLM's Authorizing Officer may modify the site-protection boundary on a case-by-case basis, taking into account topographical barriers, the nature of the proposed action, and the nature of the cultural resource site and/or area.</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect sites allocated to Public Use, including those that may not meet the criteria for the NRHP but are important for heritage tourism as a visual resource of a rural landscape.</p>	•	•	•	
CSU-29 (ROWA)	Sub-surface Inventory. <i>Alternative B:</i>	<p>STIPULATION: Require sub-surface inventory for deep sub-surface-disturbing activities and buried ROW in the following locations:</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Grand Mesa Slopes (16,000 acres); 	•	•	•	

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource Acres/Miles Affected	Stipulation Description	Alternative			
			A	B	C	D
53,500 acres <i>Alternative C:</i> 68,400 acres <i>Alternative D:</i> 51,600 acres		<ul style="list-style-type: none"> Indian Creek (20,200 acres); and Sunnyside (17,300 acres). <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> Grand Mesa Slopes (24,400 acres); Indian Creek (20,200 acres); and Sunnyside (24,000 acres). <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> Grand Mesa Slopes (16,000 acres); Indian Creek (20,200 acres); and Sunnyside (15,400 acres). <p>PURPOSE: To protect cultural resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is needed to protect buried cultural resources within areas of high potential for sub-surface activities.</p>				
CSU-5 (ROWA) (BLM 1987)	Known Cultural Resource Values.	<p>STIPULATION: Important cultural resource values <RESOURCE_VALUE> are present on the following portions of this lease: <LEGAL_DESCRIPTIONS>. Surface-disturbing activities must avoid these areas.</p> <p>PURPOSE: To protect known cultural sites.</p> <p>EXCEPTION: An exception could be granted if mitigation of impacts is agreed to by the Authorized Officer. Where impacts cannot be mitigated to the satisfaction of the Authorized Officer, surface occupancy on that area must be prohibited.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>	•			

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Acres/Miles Affected	Stipulation Description	Alternative			
				A	B	C	D
Visual Resources							
CSU-30 (ROWA)	VRM Class II.		<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within all areas designated as VRM Class II. Require that surface-disturbing activities meet the objectives of VRM Class II.</p> <p>PURPOSE: To protect visual resources.</p> <p>EXCEPTION: An exception could be granted for bond projects within scenic byways to ensure that visual and reclamation objectives are achieved. Facility design should incorporate viewshed analysis and modeling to minimize impacts to visual resources. Special mitigation measures such as facility placement and color selection have been proposed to reduce impacts to visual resources.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is needed to maintain the visual integrity within designated Class II VRM areas. A CSU will allow placement of facilities and disturbances outside of the critical view sheds.</p>				• • •
Alternative B: 314,500 acres							
Alternative C: 556,600 acres							
Alternative D: 194,800 acres							
CSU-2 (BLM 1987)	Scenic and Natural Landscape Values.	310,600 acres	<p>STIPULATION: Special design and reclamation measures may be required to protect the outstanding scenic and natural landscape values located on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <ul style="list-style-type: none"> • Bangs Benches (Exhibit GJ-2GJ) (32,000 acres); • The Book Cliffs (Exhibit GJ-2GC) (31,100 acres); • Established BLM Recreation Sites (Exhibit GJ-2GB and Exhibit GJ-2IB) (1,000 acres); • Grand Mesa Slopes (Exhibit GJ-2GI) (62,000 acres); • Granite Creek Benches (Exhibit GJ-2GL) (23,400 acres); • Gunnison River Corridor (Exhibit GJ-2GF) (1,200 acres); • Highway Corridors (Exhibit GJ-2GP) (69,400 acres); • Hunter/Garvey (Exhibit GJ-2GN) (24,700 acres); • Little Book Cliffs Wild Horse Area (Exhibit GJ-2FA) (33,000 acres); • Sinbad Valley (Exhibit GJ-2GK) (6,400 acres); 				•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<ul style="list-style-type: none"> • South Shale Ridge (Exhibit GJ-2GG) (24,400 acres); and • Unaweep Valley (Exhibit GJ-2GM) (2,000 acres). <p>Special design and reclamation measures may include transplanting trees and shrubs, fertilization, mulching, special erosion-control structures, irrigation, site recontouring to match the original contour, buried tanks and low-profile equipment, and painting to minimize visual contrasts. Surface-disturbing activities may be denied in sensitive areas, such as unique geologic features and rock formations, visually prominent areas, and high recreation use areas.</p> <p>PURPOSE: To protect outstanding scenic and natural landscape values.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				
		Recreation and Visitor Services				
CSU-2 (BLM 1987)	Scenic and Natural Landscape Values (Recreation Resources). 89,200 acres	<p>STIPULATION: Special design and reclamation measures may be required to protect the outstanding scenic and natural landscape value of the following portion(s) of this lease: <LEGAL_DESCRIPTIONS></p> <ul style="list-style-type: none"> • Bangs Benches (Exhibit GJ-2IJ) (42,900 acres); • Granite Creek Benches (Exhibit GJ-2IH) (23,400 acres); • Hunter/Garvey Benches (Exhibit GJ-2IG) (21,700 acres); and • Lower Gunnison River (Exhibit GJ-2IL) (1,200 acres). <p>Special design and reclamation measures may include transplanting trees and shrubs, fertilization, mulching, special erosion-control structures, irrigation, site recontouring to match the original contour, buried tanks and low-profile equipment, and painting to minimize visual contrasts. Surface-disturbing activities may be denied in sensitive areas, such as unique geologic features and rock formations, visually prominent areas, and high recreation use areas.</p> <p>PURPOSE: To protect recreation resources.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p>	•			

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>				
CSU-31 (ROWA)	Recreation.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to surface occupancy and surface-disturbing activities to minimize conflicts with developed (and future) recreation sites and to mapped (and future) national/regional trails, local system trails that connect communities, and trailheads and interpretive sites with exceptional recreation values or significant public interest.</p> <p>PURPOSE: To minimize conflicts with developed (and future) recreation sites and to mapped (and future) national/regional trails, local system trails that connect communities, and trailheads and interpretive sites with exceptional recreation values or significant public interest.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to assure significant public investment and desired recreation opportunities are protected from surface-disturbing occupancy.</p>	•	•	•	
CSU-32	Special Recreation Management Areas.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions in the following SRMAs:</p> <p><u>Alternatives B:</u></p> <ul style="list-style-type: none"> • North Fruita Desert (44,100 acres) <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • North Fruita Desert (42,700 acres) <p><u>Alternative D:</u></p> <ul style="list-style-type: none"> • Castle Rock (4,400 acres) • Grand Valley OHV (9,600 acres) • North Fruita Desert (44,100 acres) 	•	•	•	
	Alternative B: 44,100 acres					
	Alternative C: 42,700 acres					
	Alternative D: 58,100 acres					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>PURPOSE: To protect recreation outcomes and setting prescriptions.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect areas important to recreation users which may also include large facility investments. Protection of RMZs is necessary to meet desired recreation outcomes.</p>				
Lands and Realty						
CSU-33 (CSU CO-25)	Disposal Tracts.	<p>STIPULATION: Special design, construction, and implementation measures, including relocation of operations by more than 200 meters (656 feet), may be required on disposal tracts.</p> <p>PURPOSE: To preserve the value of disposal tracts and/or protect facilities or uses for which these tracts of land were identified for disposal.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). Underground facilities may be excepted.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to preserve the value of disposal tracts and/or protect facilities or uses for which these tracts of land were identified for disposal.</p>		•		•
Coal						
CSU-34 (CSU CO-25)	Federally Leased Coal. 9,000 acres	<p>STIPULATION: Where applicable, apply CSU (site-specific relocation) restrictions to oil and gas operations within the area of federally leased coal. Relocate oil and gas operations outside the area to be mined or locate to accommodate room and pillar mining operations.</p> <p>PURPOSE: To protect federally leased coal lands.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p>		•	•	•

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to allow underground coal operations within oil and gas leases while reducing safety concerns.</p>				
Wild and Scenic Rivers						
CSU-35 (ROWA)	WSR Study Segments Classified as Scenic and Recreational.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.25-mile on either side of the active river channel (bank-full stage).</p> <p><u>Alternative B:</u></p> <ul style="list-style-type: none"> • Dolores River (5,900 acres). <p><u>Alternative C:</u></p> <ul style="list-style-type: none"> • Colorado River Segment 1 (2,200 acres); • Colorado River Segment 2 (120 acres); • Dolores River (5,900 acres); • North Fork Mesa Creek (700 acres); • Blue Creek (2,900 acres); • Gunnison River Segment 2 (970 acres); • Roan Creek (2,000 acres); • Carr Creek (1,800 acres); • Rough Canyon Creek (1,200 acres); • East Creek (1,900 acres); • West Creek (1,700 acres); and • Ute Creek (1,400 acres). 			•	•
Alternative C: 22,980 acres	Alternative B: 5,900 acres	<p>PURPOSE: To protect the outstandingly remarkable values for which the stream segments were found suitable.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ORVs associated with WSR segments, and allow BLM to place disturbances 0.25-miles away from the identified segment.</p>				

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		National Trails				
CSU-36	Old Spanish National Historic Trail.	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions within 0.5 miles of either side of the Old Spanish National Historic Trail.</p> <p>PURPOSE: To protect visual resources associated with the trail.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect to protect visual resources along this congressionally designated historic trail.</p>			•	
3,400 acres						
CSU-37	Scenic Byways (0.5-mile).	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within 0.5-mile of the following scenic byways:</p> <ul style="list-style-type: none"> • Dinosaur Diamond Prehistoric Highway (National Scenic Byway and All American Road) (14,300 acres); • Grand Mesa Scenic and Historic Byway (1,200 acres); and • Unaweep-Tabeguache Scenic and Historic Byway (17,000 acres). <p>PURPOSE: To protect scenic views in driving corridors.</p> <p>EXCEPTION: An exception could be granted if: (a) a viewshed analysis indicates minimal impairment of the visual resources from the driving corridor; or (b) the action is determined to be consistent and compatible with protection or enhancement of the resource values, or the use would provide suitable opportunities for public enjoyment of these resources. An exception could also be granted for bond projects within scenic byways to ensure that visual and reclamation objectives are achieved. Facility design should incorporate viewshed analysis and modeling to minimize impacts to visual resources. Special mitigation measures such as facility placement and color selection have been proposed to reduce impacts to visual resources.</p>		•	•	
32,500 acres						

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to place surface-disturbing activities along scenic byways in areas that do not affect values associated with the identified scenic byway.</p>				
CSU-38	Scenic Byways (0.25-mile).	<p>STIPULATION: Apply CSU (site-specific relocation) restrictions to fluid mineral leasing and other surface-disturbing activities within 0.25-mile of the following scenic byways:</p> <ul style="list-style-type: none"> • Lands' End (540 acres); • John Brown Canyon (1,800 acres); • Dinosaur Diamond Prehistoric Highway (National Scenic Byway and All American Road) (7,000 acres); • Grand Mesa Scenic and Historic Byway (860 acres); • Unaweep-Tabeguache Scenic and Historic Byway (7,700 acres); • Niche to Blue Mesa (3,800 acres); and • Winter Flats Road (7,800 acres). <p>PURPOSE: To protect scenic views in driving corridors.</p> <p>EXCEPTION: An exception could be granted if: (a) a viewshed analysis indicates minimal impairment of the visual resources from the driving corridor; or (b) the action is determined to be consistent and compatible with protection or enhancement of the resource values, or the use would provide suitable opportunities for public enjoyment of these resources. An exception could also be granted for bond projects within scenic byways to ensure that visual and reclamation objectives are achieved. Facility design should incorporate viewshed analysis and modeling to minimize impacts to visual resources. Special mitigation measures such as facility placement and color selection have been proposed to reduce impacts to visual resources.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				•
	29,500 acres					

Table B-6
Controlled Surface Use (CSU) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/ New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource					
Acres/Miles Affected					

JUSTIFICATION: This stipulation is necessary to ensure surface-disturbing activities do not affect values associated with the identified scenic byway.

¹Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		Special Status Species				
TL-1 (ROWA)	Sport and Native Fish (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace).	<p>STIPULATION: Prohibit in-channel stream work in all occupied streams during appropriate spring and fall spawning periods.</p> <p><u>Alternative B:</u> Rainbow and cutthroat trout, bluehead and flannelmouth sucker, roundtail chub, and Paiute and mottled sculpin (April 1 to August 1); brown and brook trout (October 1 to November 30).</p> <p><u>Alternative C:</u> Cutthroat trout (May 1-September 1), Rainbow trout (March 1-June 30), Brown trout (October 1-May 1), Brook trout (August 1-May 1), Sculpin (May 1-July 31), Bluehead sucker (May 1-July 31), Flannelmouth sucker (April 1-July 1), Roundtail chub (May 1-July 31), Speckled dace (May 1-August 31), Mountain whitefish (October 1-November 30).</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native and game fish breeding.</p>		•	•	
TL-2 (ROWA)	Occupied Cutthroat Trout Waters.	<p>STIPULATION: Prohibit in-channel work in all occupied cutthroat trout streams during spring spawning periods of April 1 to August 1.</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native fish species, including a USFWS-listed species.</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-3 (ROWA)	Migratory Bird Habitat.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities, including vegetation-altering projects, in migratory bird habitat during nesting season when nesting birds are present.</p> <p><u>Alternative B:</u> May 15 to July 15 or as site-specific analysis dictates.</p> <p><u>Alternative C:</u> April 15 to July 31 or as site-specific analysis dictates.</p> <p>PURPOSE: To protect nesting migratory birds from human disturbance that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•	•	
TL-4 (ROWA)	Birds of Conservation Concern's Habitat.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities, including vegetation-altering projects, in birds of conservation concern's habitat (USFWS 2008) during nesting season (May 15 to July 15 or as site-specific analysis dictates) when nesting birds are present.</p> <p>PURPOSE: To protect nesting osprey from human disturbance that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).				
TL-5 (ROWA)	Osprey Nests.	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.25-mile of active osprey nests from April 1 to August 31.</p> <p>PURPOSE: To protect nesting osprey from human disturbance that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect osprey nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>	•	•	•	
TL-6 (ROWA)	Ferruginous Hawk Nests.	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.25-mile of active ferruginous hawk nests, including any alternate nests, from February 1 to July 15.</p> <p>PURPOSE: To protect ferruginous hawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect ferruginous hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>	•	•	•	

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-7 (ROWA)	Red-tailed Hawk Nests.	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.33-mile of active red-tailed hawk nests, including any alternate nests, from February 15 to July 15.</p> <p>PURPOSE: To protect nesting red-tailed hawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect red-tailed hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•	•	•
TL-8 (ROWA)	Swainson's Hawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.25-mile of active Swainson's hawk nests and associated alternate nests from April 1 to July 15.</p> <p>PURPOSE: To protect nesting Swainson's hawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect Swainson's hawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•	•	•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-14 (ROWA) (Exhibit G)- 14EB) (BLM 1987)	Threatened and Endangered Seasonal Habitat (Peregrine Falcon Habitat).	<p>STIPULATION: In order to protect important seasonal habitat of threatened or endangered animal species, any lease operations which may affect these species will be allowed only during the following period: Occupancy is allowed <BEGIN_DATE> to <END_DATE> on the lands described below: <LEGAL_DESCRIPTIONS>.</p> <p>PURPOSE: To protect bald eagle habitat.</p> <p>EXCEPTION: Exceptions to this limitation in any particular year may be specifically approved in writing by the Authorized Officer.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>	•			
TL-9 (ROWA)	Peregrine and Prairie Falcon Nest Sites.	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.5-mile of active peregrine and prairie falcon nest cliff(s) from March 15 to July 31.</p> <p>PURPOSE: To protect nesting peregrine and prairie falcons from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect peregrine and prairie falcon nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>	•	•	•	
TL-10 (ROWA)	Goshawk Nest Sites.	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and intensive human activities that may affect nesting success within 0.5-mile of active goshawk nest sites from March 1 to September 30.</p>	•	•	•	

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>PURPOSE: To protect nesting goshawks from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect goshawk nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
TL-11 (ROWA)	Burrowing Owl Burrows and Nest Sites.	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.25-mile of active burrows or burrowing owl nest sites from March 1 to August 15.</p> <p>PURPOSE: To protect nesting burrowing owls from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect nesting burrowing owls.</p>	•	•	•	
TL-12 (ROWA)	Other Raptor Species (accipiters, falcons [except kestrel], buteos, and owls).	<p>STIPULATION: Prohibit surface occupancy, surface disturbing activities, and intensive human activities that may affect nesting success within 0.25 miles of active nests from February 1 to August 15 (great horned owl), March 1 to August 15 (other owls and raptors), and April 1 to August 15 (Cooper's hawk, sharp shinned hawk, and northern harrier).</p> <p>PURPOSE: To protect reproductive activity at active nest sites.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p>	•	•	•	

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect raptor species per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>				
TL-13 (ROWA)	Golden Eagle Nest Sites.	<p>STIPULATION: Prohibit human encroachment within 0.25-mile of active golden eagle nests and associated alternate nests from December 15 to July 15.</p> <p>PURPOSE: To protect nesting golden eagles from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect golden eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>	•	•	•	
TL-14 (ROWA) (Exhibit GJ-14EA) (BLM 1987)	Threatened and Endangered Seasonal Habitat (Bald Eagle Habitat).	<p>STIPULATION: In order to protect important seasonal habitat of threatened or endangered animal species, any lease operations which may affect these species will be allowed only during the following period: Occupancy is allowed <BEGIN_DATE> to <END_DATE> on the lands described below: <LEGAL_DESCRIPTIONS>.</p> <p>PURPOSE: To protect bald eagle habitat.</p> <p>EXCEPTION: Exceptions to this limitation in any particular year may be specifically approved in writing by the Authorized Officer.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>	•			

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-14 (ROWA)	Bald Eagle Nest Sites.	<p>STIPULATION: Prohibit human encroachment within 0.5-mile of active bald eagle nests from November 15 to July 31.</p> <p>PURPOSE: To protect nesting bald eagles from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the nest site or the geographical relationship of topographic barriers and vegetation screening to the nest site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect bald eagle nesting habitat per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•	•	•
TL-15 (ROWA)	Bald Eagle Winter Roost.	<p>STIPULATION: Prohibit activity within 0.25-mile of bald eagle winter roosts from November 15 to March 15. Additional restrictions may be necessary within 0.5-mile of active bald eagle winter roosts if there is a direct line of sight from the roost to the activities.</p> <p>PURPOSE: To protect bald eagles from human impacts that could affect winter survival.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). The TL area may be altered depending on the status of the roost site or the geographical relationship of topographic barriers and vegetation screening to the roost site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect bald eagle winter roosts per CPW's <i>Recommended Buffer Zones and Seasonal Restrictions for Colorado Raptors</i> (CPW 2008).</p>		•	•	•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-16 (ROWA)	Occupied Sage-grouse Winter Habitat.	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and intensive human activities in occupied sage-grouse winter habitat from December 1 to March 15.</p> <p>PURPOSE: To protect sage-grouse (Gunnison and greater) from human impacts that could affect winter survival.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect sage-grouse from disturbance in a time of year when the added stress from disturbance can lead to death.</p>		•	•	
TL-17 (ROWA)	Sage-grouse Leks (4 miles).	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and intensive human activities within 4 miles of sage-grouse leks from March 1 to June 30.</p> <p>PURPOSE: To protect breeding and nesting sage-grouse (Gunnison and greater) from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). In addition, the NSO area may be altered depending upon the active status of the lek or the geographical relationship of topographical barriers and vegetation to the lek site.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect breeding and nesting sage-grouse per current research recommendations (Parachute-Piceance-Roan Greater Sage-grouse Work Group 2008).</p>		•		

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-18 (ROWA)	Sage-grouse Leks, Nesting, and Early Brood-rearing Habitat (0.6-mile).	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and intensive human activities from March 1 to June 30 within 0.6-mile of the lek or within sage-grouse nesting and early brood-rearing habitat.</p> <p>PURPOSE: To protect breeding and nesting sage-grouse (Gunnison and greater) from human impacts that could affect nest success.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect greater and Gunnison sage-grouse breeding habitat.</p>				•
TL-19 (ROWA)	Occupied Prairie Dog Towns.	<p>STIPULATION: Prohibit surface occupancy and surface-disturbing activities within active white-tailed prairie dog towns from April 1 to July 15.</p> <p>PURPOSE: To avoid impacts to white-tailed prairie dogs during the pupping season.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect prairie dogs during the breeding season to allow for distribution of young.</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
Fish and Wildlife						
TL-1 (ROWA)	Sport and Native Fish (brown, brook, rainbow, and cutthroat trout; bluehead and flannelmouth sucker; roundtail chub; mountain whitefish; Paiute and mottled sculpin; and speckled dace).	<p>STIPULATION: Prohibit in-channel stream work in all occupied streams during appropriate spring and fall spawning periods.</p> <p><u>Alternative B:</u> Rainbow and cutthroat trout, bluehead and flannelmouth sucker, roundtail chub, and Paiute and mottled sculpin (April 1 to August 1); brown and brook trout (October 1 to November 30).</p> <p><u>Alternative C:</u> Cutthroat trout (May 1-September 1), Rainbow trout (March 1-June 30), Brown trout (October 1-May 1), Brook trout (August 1-May 1), Sculpin (May 1-July 31), Bluehead sucker (May 1-July 31), Flannelmouth sucker (April 1-July 1), Roundtail chub (May 1-July 31), Speckled dace (May 1-August 31), Mountain whitefish (October 1-November 30).</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native and game fish breeding.</p>		•	•	
TL-2 (ROWA)	Occupied Cutthroat Trout Waters.	<p>STIPULATION: Prohibit in-channel work in all occupied cutthroat trout streams during spring spawning periods of April 1 to August 1.</p> <p>PURPOSE: To protect redds (egg masses) in the gravel and emerging fry.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2).</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect important native fish species, including a USFWS-listed species.</p>				•

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
TL-12 (ROWA) (BLM 1987)	Deer and Elk Winter Range.	<p>STIPULATION: Lease activities such as exploration, drilling, and other development will be allowed only during the period from May 1 to December 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important seasonal wildlife habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>	•			
TL-20 (ROWA)	Big Game Winter Range.	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and intensive human activities from December 1 to May 1 to protect big game winter range as mapped by the CPW. Certain areas within big game winter range may be closed to foot, horse, motorized, and/or mechanized travel from December 1 to May 1.</p> <p>PURPOSE: To protect big game winter range.</p> <p>EXCEPTION: Standard exceptions apply (Section B.2). An exception will be granted only when the proposed action would not cause unacceptable harm to big game based on the following factors:</p> <ol style="list-style-type: none"> 1. Winter conditions (such as snow cover and crusting) at the project site and vicinity; 2. Predictable, short-term (1 week) storm forecasts for the project area; 3. Period of winter in which the exception is requested (e.g., after April 15, before December 15, heart of winter); 4. Project site location relative to the size and spatial configuration of delineated critical winter range, open roads and trails, and other background disturbance; 5. Length of time that activities would encroach on the period of the winter range stipulation; 6. Number of vehicle trips per day in and out of the work 	•	•	•	

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>site;</p> <p>7. Time of day that activity occurs (after dark generally prohibited);</p> <p>8. Actual big game use of the area;</p> <p>9. Cumulative impacts on big game (such as other activities in the area); and</p> <p>10. Additional site-specific or general concerns, as appropriate.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect big game winter habitat from surface-disturbing and major human activities during the periods of the year when the habitat is occupied. This habitat is critical to the viability of big game herds. These areas will be managed by BLM to reflect CPW most current big game winter range maps.</p>				
TL-9 (ROWA) (BLM 1987)	Bighorn Seasonal Stipulation.	<p>STIPULATION: Lease activities such as exploration, drilling, and other development will be allowed only during the period from May 1 to December 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important seasonal bighorn habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concern(s) identified.</p>	•			
TL-4 (ROWA) (BLM 1987)	Elk Calving Area. 3,400 acres	<p>STIPULATION: Lease activities such as exploration, drilling, and other development will be allowed only during the period from June 15 to May 15 on the following portions of this lease.</p> <p>PURPOSE: To protect important seasonal elk calving habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management. In</p>	•			

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		<p>addition, no surface-disturbing activity will be allowed on elk calving sites.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p>				
TL-21 (ROWA)	Big Game Production Areas.	<p>STIPULATION: Prohibit activities, including motorized travel, in elk production areas from May 15 to June 15; in antelope production areas from April 15 to June 30; in Rocky Mountain bighorn sheep production areas from April 15 to June 30; in Moose production areas from April 15 to June 30; and in desert bighorn sheep production areas from February 1 to May 1.</p> <p>PURPOSE: To protect important seasonal big game production habitat, and protect big game from disturbance in this critical season.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range improvements.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation provides for protection of big game production areas from disturbance and displacement by human activities during critical periods.</p>	•	•		
TL-22 (ROWA)	Pronghorn Wintering Habitat.	<p>STIPULATION: Prohibit surface occupancy, surface-disturbing activities, and intensive human activities in pronghorn wintering habitat from January 1 to March 31.</p> <p>PURPOSE: To improve pronghorn antelope habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: Standard waivers apply (Section B.2).</p> <p>JUSTIFICATION: This stipulation is necessary to protect pronghorn winter habitat from surface-disturbing and major human activities during the periods of the year when the habitat is occupied. This habitat is critical to the viability of pronghorn</p>	•	•	•	

Table B-7
Timing Limitation (TL) Stipulations Applicable to
Fluid Mineral Leasing and Other Surface-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource	Stipulation Description	Alternative			
			A	B	C	D
		herds. These areas will be managed by BLM to reflect CPW most current pronghorn winter range maps.				
Wild Horses						
<i>TL-10 (ROWA) (BLM 1987)</i>	Wild Horse Winter Range.	<p>STIPULATION: Lease activities such as exploration, drilling, and other development will be allowed only during the period from May 1 to December 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important wild horse habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>	•			
<i>TL-11 (ROWA) (BLM 1987)</i>	TL-23 Wild Horse Foaling Area.	<p>STIPULATION: Lease activities such as exploration, drilling, and other development will be allowed only during the period from July 1 to March 1 on the following portions of this lease: <LEGAL_DESCRIPTION>.</p> <p>PURPOSE: To protect important seasonal wild horse habitat.</p> <p>EXCEPTION: This limitation does not apply to maintenance and operation of producing wells and range management.</p> <p>MODIFICATION: Standard modifications apply (Section B.2).</p> <p>WAIVER: This stipulation may be waived or reduced in scope if circumstances change or if the lessee can demonstrate that operations can be conducted without causing unacceptable impacts on the concerns(s) identified.</p>	•			•

¹Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987).

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
Water Resources					
LN-17 Palisade Municipal Watershed.	This lease contains privately owned surface of the Town of Palisade that is within the Town's designated municipal watershed and is covered by a Watershed Protection Ordinance. This applies to the lands described below: <LEGAL_DESCRIPTIONS>.	•			
LN-1 Source Water Protection Areas.	The lease is within source water protection areas, and the lessee is required to implement special protective measures for water resources and to collaborate with municipalities and comply with applicable municipal watershed plans. JUSTIFICATION: This lease notification is necessary because leases within source water protection areas require extensive protection measures to ensure protection of water quality and human health.		•		
LN-2 Municipal Watersheds and Source Water Protection Areas.	The lease is within a municipal watershed or source water protection area, and the lessee is required to implement special protective measures for water resources and to collaborate with municipalities and comply with applicable municipal watershed plans. JUSTIFICATION: This lease notification is necessary because leases within municipal watersheds and source water protection areas require extensive protection measures to ensure protection of water quality and human health.				•
Special Status Species					
LN-13 (BLM 1987) Threatened and Endangered Species Habitat.	The lessee/operator is required to submit to the BLM's Authorized Officer a plan for avoidance or mitigation of impacts on the identified species. This may require completion of an intensive inventory by a qualified biologist. The plan must be approved prior to any surface disturbance. The Authorized Officer may require additional mitigation measures, such as relocation of proposed roads, drilling sites, or other facilities. Where impacts cannot be mitigated to the satisfaction of the BLM's Authorized Officer, surface occupancy on that area is prohibited. <ul style="list-style-type: none"> • Black-footed ferret (<i>Exhibit GJ-13EC</i>); • Spineless hedgehog cactus (<i>Exhibit GJ-13ED</i>); and 	•			

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Protected Resource Acres/Miles Affected	Stipulation Description	Alternative			
			A	B	C	D
		<ul style="list-style-type: none"> Colorado hookless cactus (formerly Uinta Basin hookless cactus) (<i>Exhibit GJ-13EE</i>). 				
LN-3	Biological Inventories.	<p>The operator is required to conduct a biological inventory prior to approval of operations in areas of known or suspected habitat of special status species, or habitat of other species of interest such as but not limited to raptor nests, sage-grouse leks, or significant natural plant communities. The operator, in coordination with the BLM, shall use the inventory to prepare mitigating measures to reduce the impacts on affected species or their habitats. These mitigating measures may include, but are not limited to, relocation of roads and other facilities and fencing operations or habitat. Where impacts cannot be mitigated to the satisfaction of the BLM's Authorized Officer, surface occupancy on that area is prohibited.</p> <p>JUSTIFICATION: This lease notice is necessary to identify current plant and animal populations in order to reduce or avoid impacts to those species.</p>		•	•	•
LN-15/LN-4	Colorado Hookless Cactus (formerly Uinta Basin Hookless Cactus).	<p>This lease contains habitat for the Colorado hookless cactus (<i>Sclerocactus glaucus</i>). Prior to undertaking any activity on the lease, including surveying and staking of well locations, the lessee may be required to perform botanical inventories on the lease. Special design and construction measures may also be required in order to minimize impacts to Colorado hookless cactus habitat from drilling and producing operations. This applies to the lands described below: <LEGAL_DESCRIPTIONS>.</p> <p>EXCEPTION: An exception may be granted depending on current usage of the site or on the geographical relationship to topographic barriers and vegetation screening.</p> <p>MODIFICATION: Changes to this stipulation will be made in accordance with the land use plan and/or the regulatory provisions for such changes. (For guidance on the use of this stipulation, see BLM Manual 1624 and 3101 or FS Manual 1950 and 2820.)</p> <p>JUSTIFICATION: This lease notice is necessary to identify current cactus populations and habitat in order to reduce or avoid impacts to cactus habitat.</p>	•	•	•	•

Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
	Fish and Wildlife				
LN-3 Biological Inventories.	<p>The operator is required to conduct a biological inventory prior to approval of operations in areas of known or suspected habitat of special status species, or habitat of other species of interest such as but not limited to raptor nests, sage-grouse leks, or significant natural plant communities. The operator, in coordination with the BLM, shall use the inventory to prepare mitigating measures to reduce the impacts on affected species or their habitats. These mitigating measures may include, but are not limited to, relocation of roads and other facilities and fencing operations or habitat. Where impacts cannot be mitigated to the satisfaction of the BLM's Authorized Officer, surface occupancy on that area is prohibited.</p> <p>JUSTIFICATION: This lease notice is necessary to identify current plant and animal populations in order to reduce or avoid impacts to those species.</p>		•	•	•
LN-5 Working in Wildlife Habitat.	<p>Require operators to establish and submit to the GJFO a set of operating procedures for employees and contractors working in important wildlife habitats. Design such procedures to inform employees and contractors of ways to minimize the effect of their presence on wildlife and wildlife habitats. Procedures may address, but are not limited to, items such as working in bear or snake country, controlling dogs, and understanding and abiding by hunting and firearms regulations.</p>		•	•	
	Paleontological Resources				
LN-6 Class 4 and 5 Paleontological Areas.	<p>Have a permitted paleontologist approved by the Authorized Officer perform an inventory of surface-disturbing activities in Class 4 and 5 paleontological areas per Instruction Memorandum No. 2008-009: Potential Fossil Yield Classification (PFYC) System for Paleontological Resources on Public Lands.</p> <p>JUSTIFICATION: This lease notice is necessary to ensure an adequate paleontologist is present during surface disturbing activities to protect paleontological resources from direct impacts.</p>	•	•	•	•

**Table B-8
Lease Notices (LN) and Additional Required Conditions of Approval
Applicable to Authorized Ground-disturbing Activities**

Stipulation Number (Existing/New) ¹	Stipulation Description	Alternative			
		A	B	C	D
Protected Resource Acres/Miles Affected					
	Lands and Realty				
<i>LN-16/LN-7</i>	If drilling operations are proposed, the lessee is hereby notified that there are concerns about ski lift structures, other facilities, and ski runs within the Powderhorn ski area. The lessee is hereby notified that special design, construction, and scheduling measures may be required in order to minimize the impacts of drilling and production operations. Proposed drilling and production facilities and operations will be relocated and rescheduled as needed to avoid physical interference with ski area facilities and recreation use. This can include relocations of more than 200 meters (656 feet) or seasonal closures of more than 60 days. This applies to the lands described below: <LEGAL_DESCRIPTIONS>.	•	•		•
Powderhorn Ski Area.	JUSTIFICATION: This lease notification is necessary to protect recreation facilities at Powderhorn Ski Area.				

¹Existing stipulations currently in effect in Alternative A, current management, and are noted in italics and are from the current RMP (BLM 1987), Proposed new stipulations under Alternatives B, C, and/or D are noted in bold-face, non-italized.