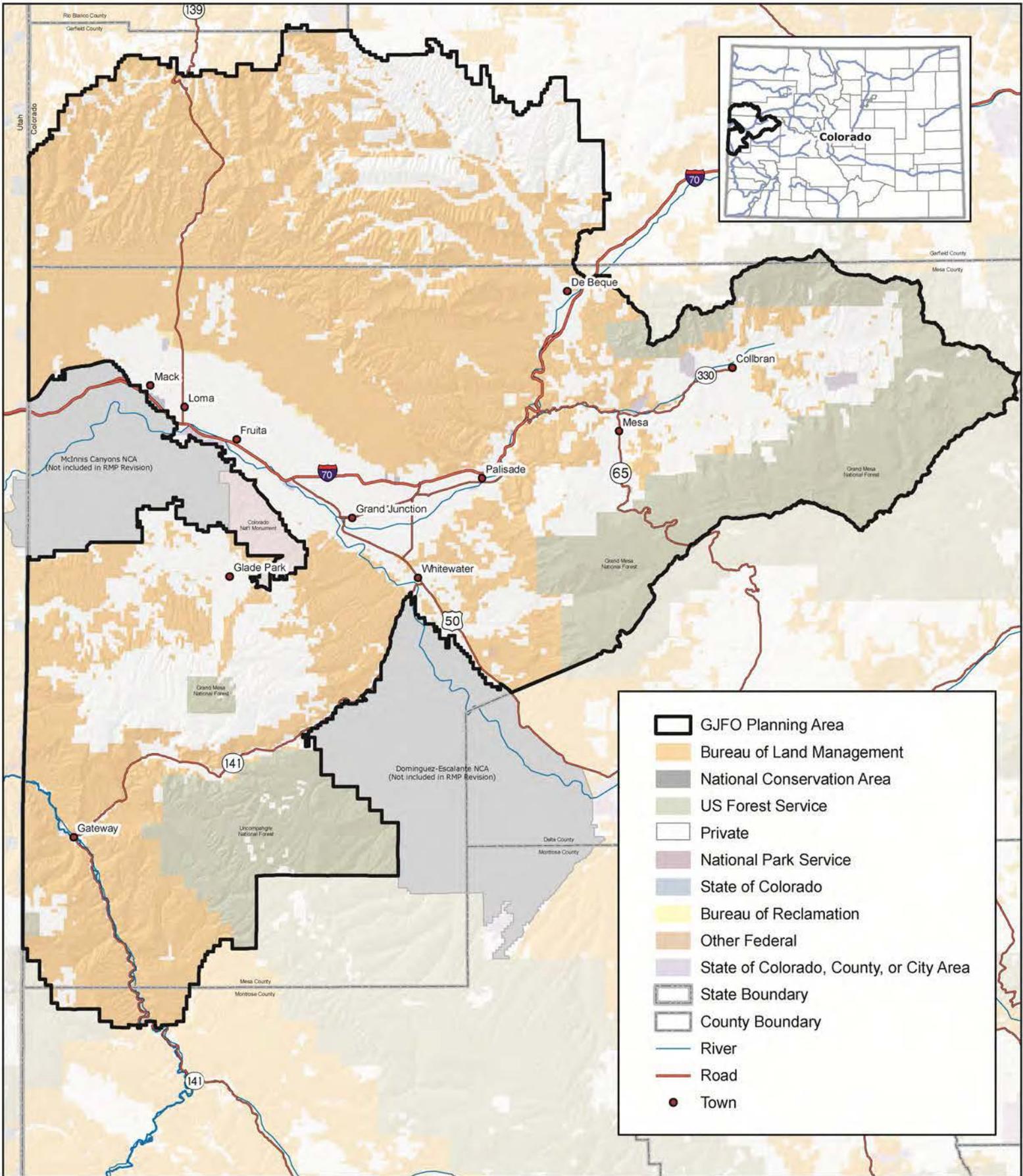


APPENDIX A

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Source: BLM 2010a

Project Planning Area

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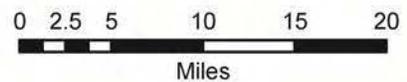
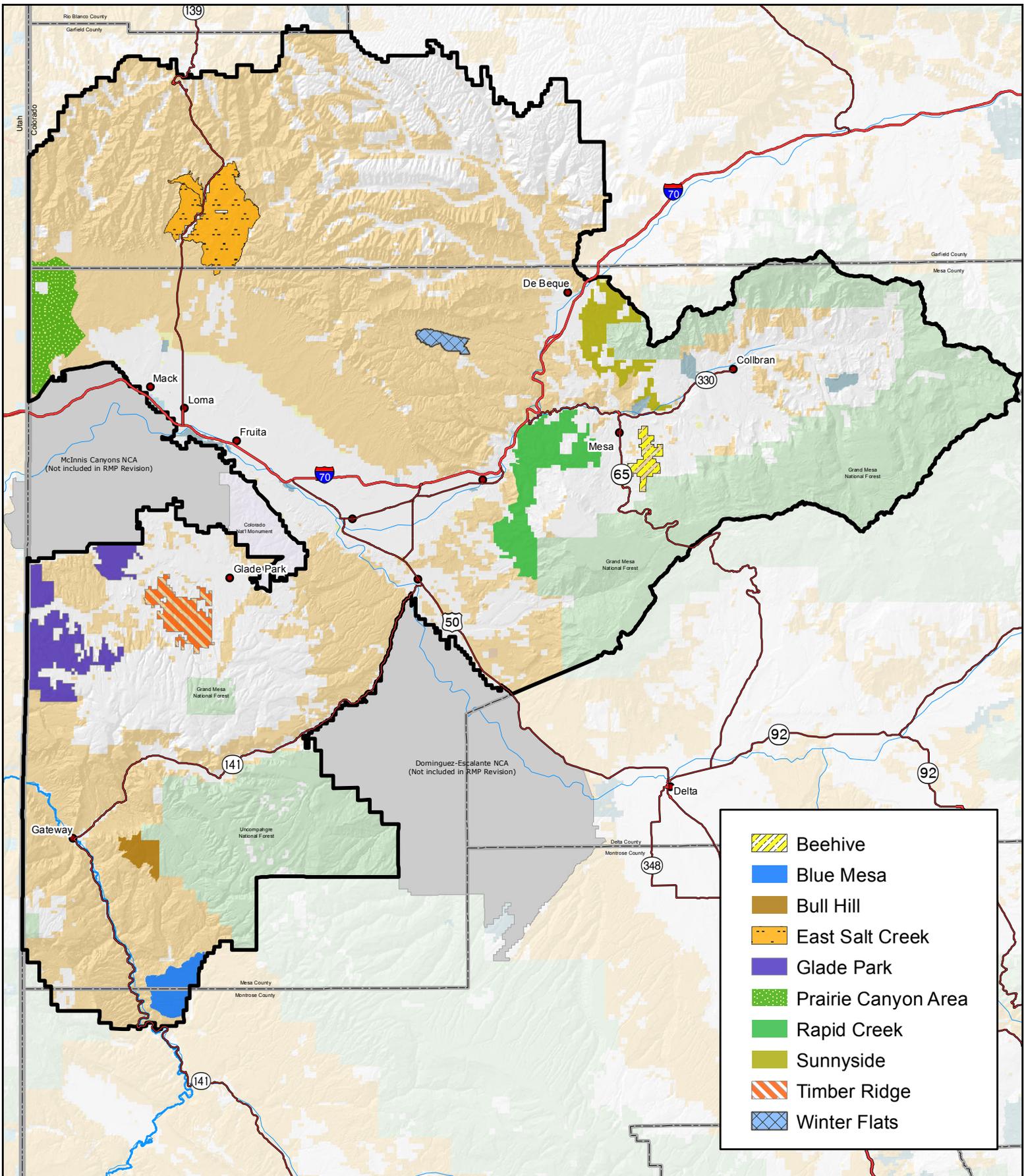


Figure 1-1



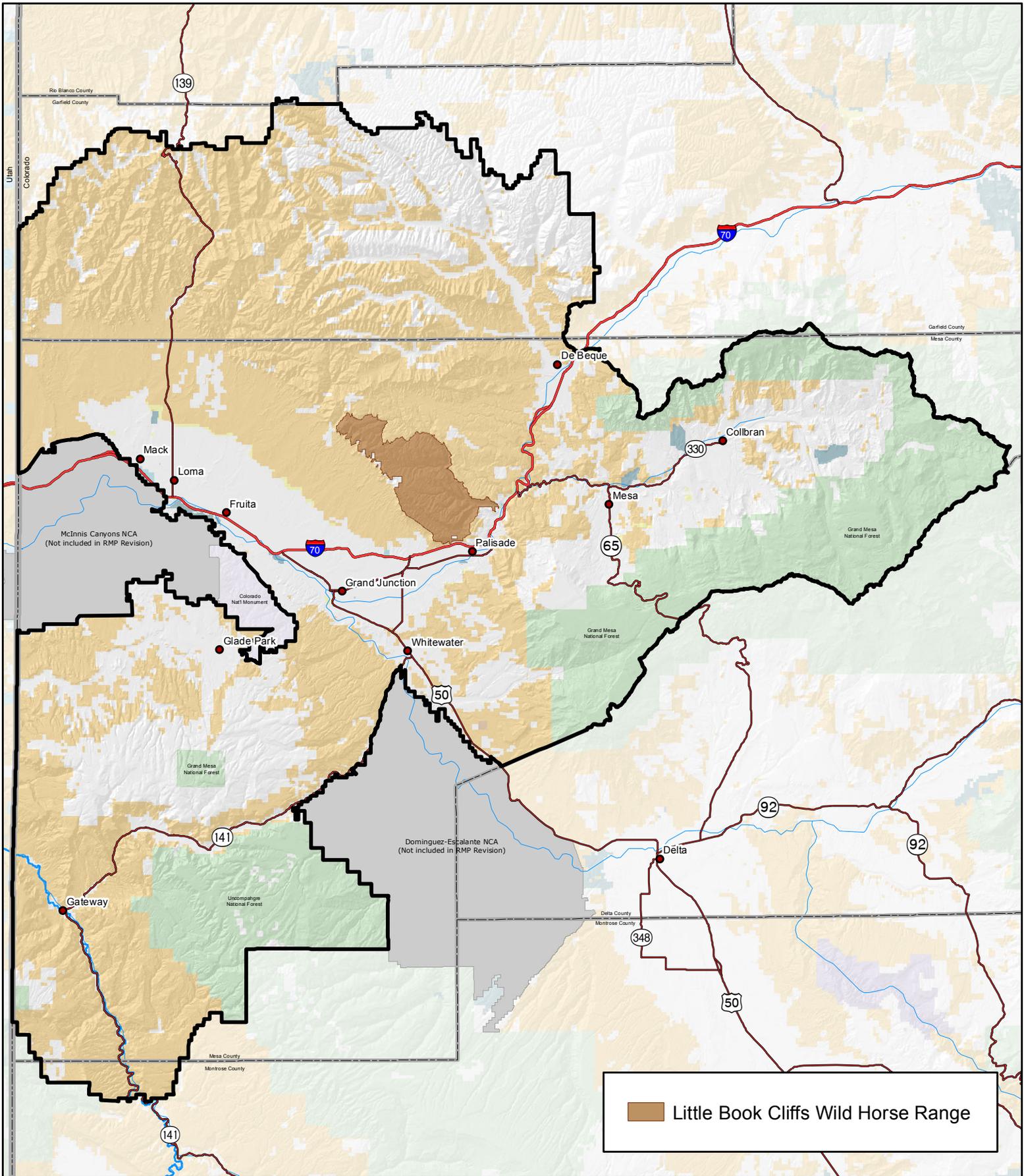
Source: BLM 2010a

Wildlife Emphasis Areas

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Figure A-1



 Little Book Cliffs Wild Horse Range



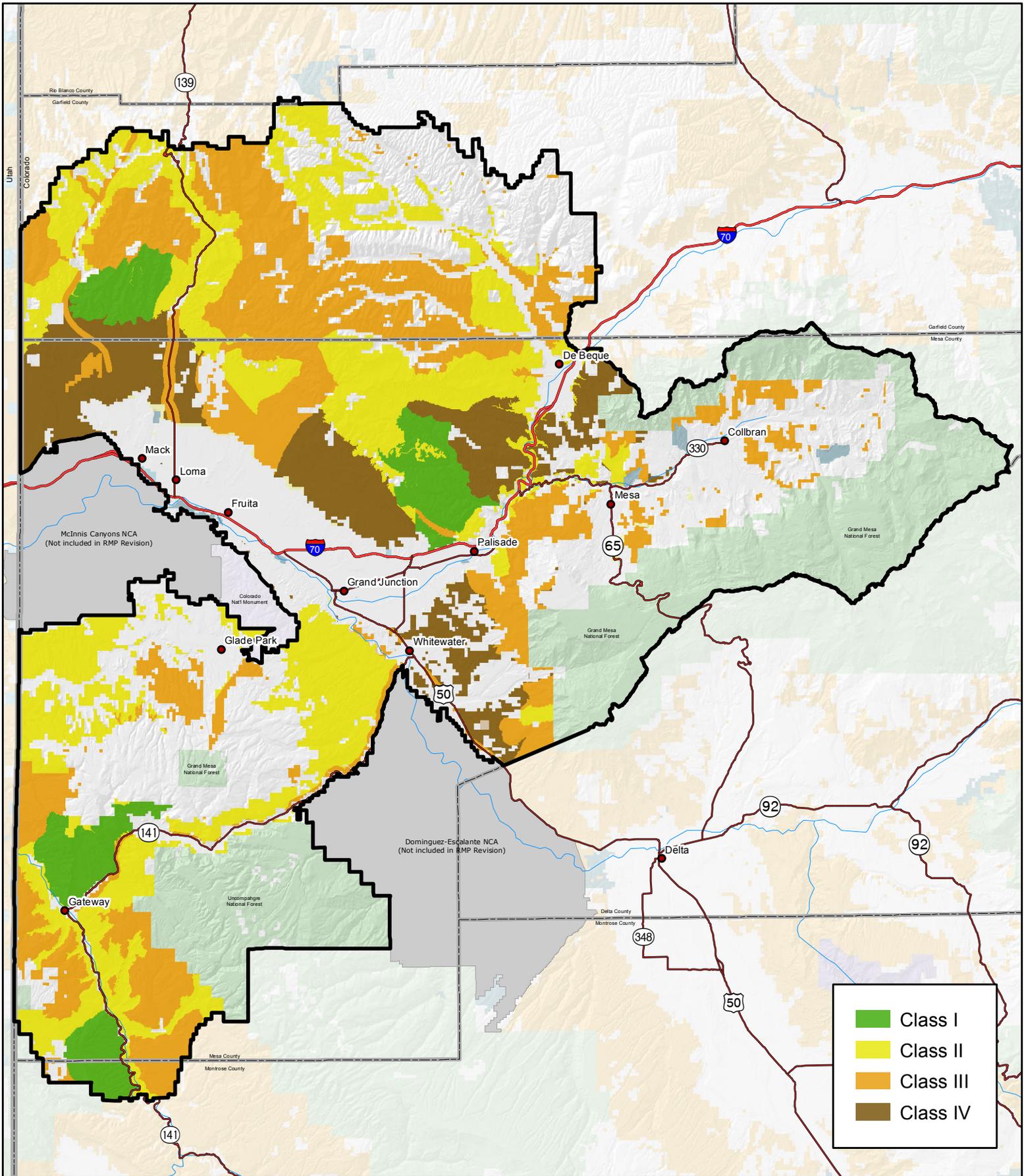
Source: BLM 2010a

Little Book Cliffs Wild Horse Range

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Figure A-2



	Class I
	Class II
	Class III
	Class IV



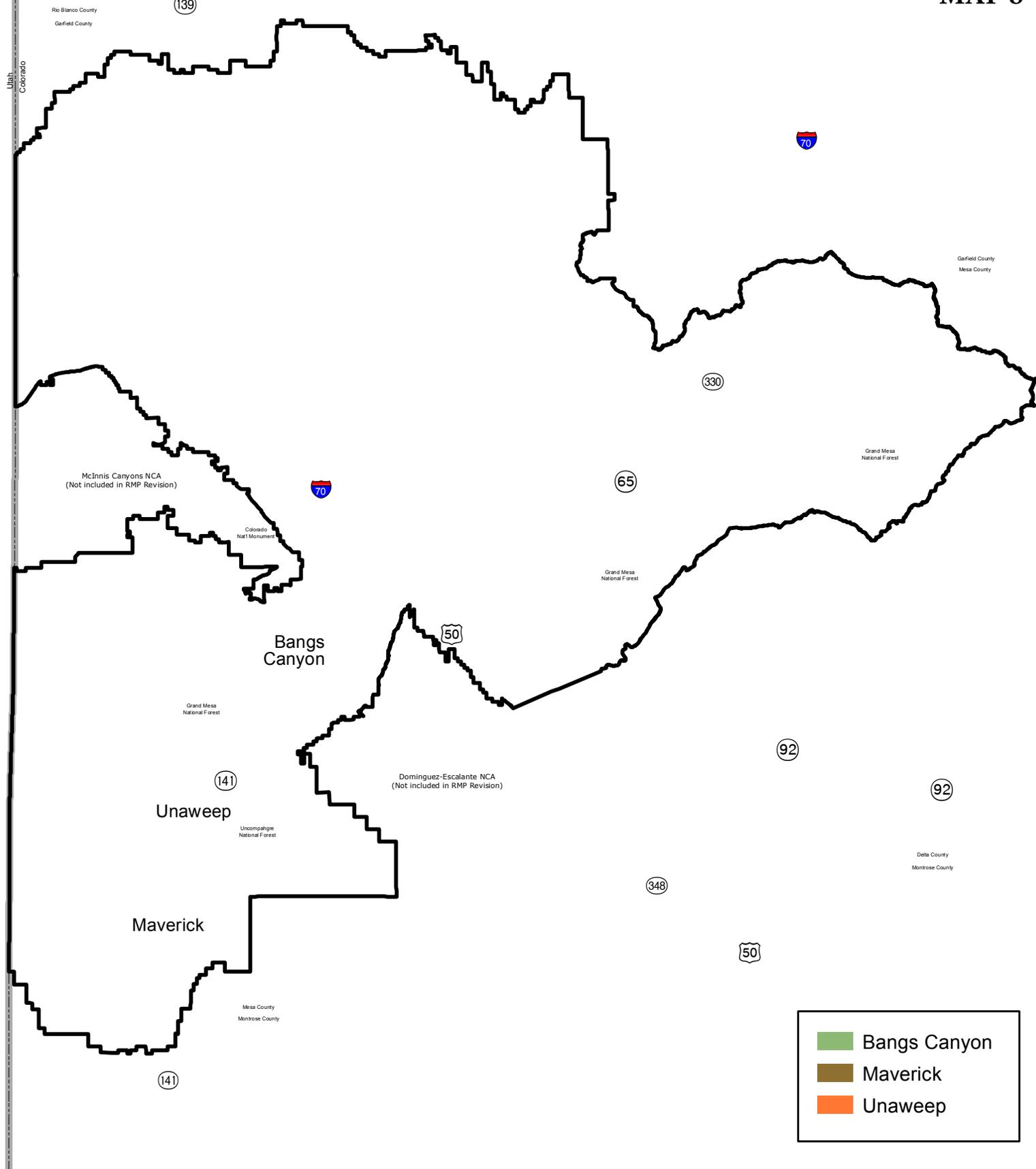
Source: BLM 2010a

Visual Resource Management

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Figure A-3



	Bangs Canyon
	Maverick
	Unaweep



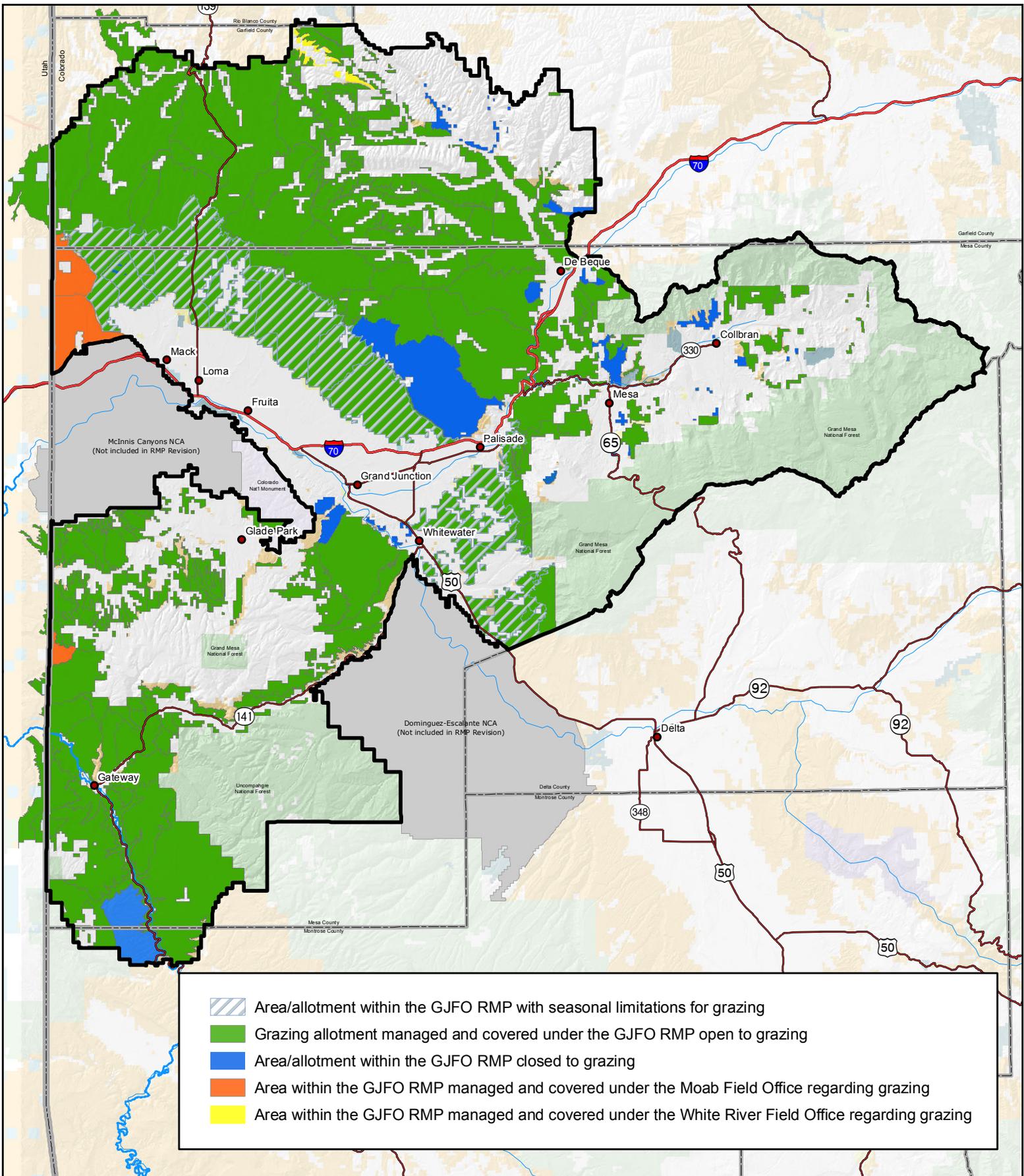
Source: BLM 2010a

Lands Managed to Protect Wilderness Characteristics

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Figure A-4



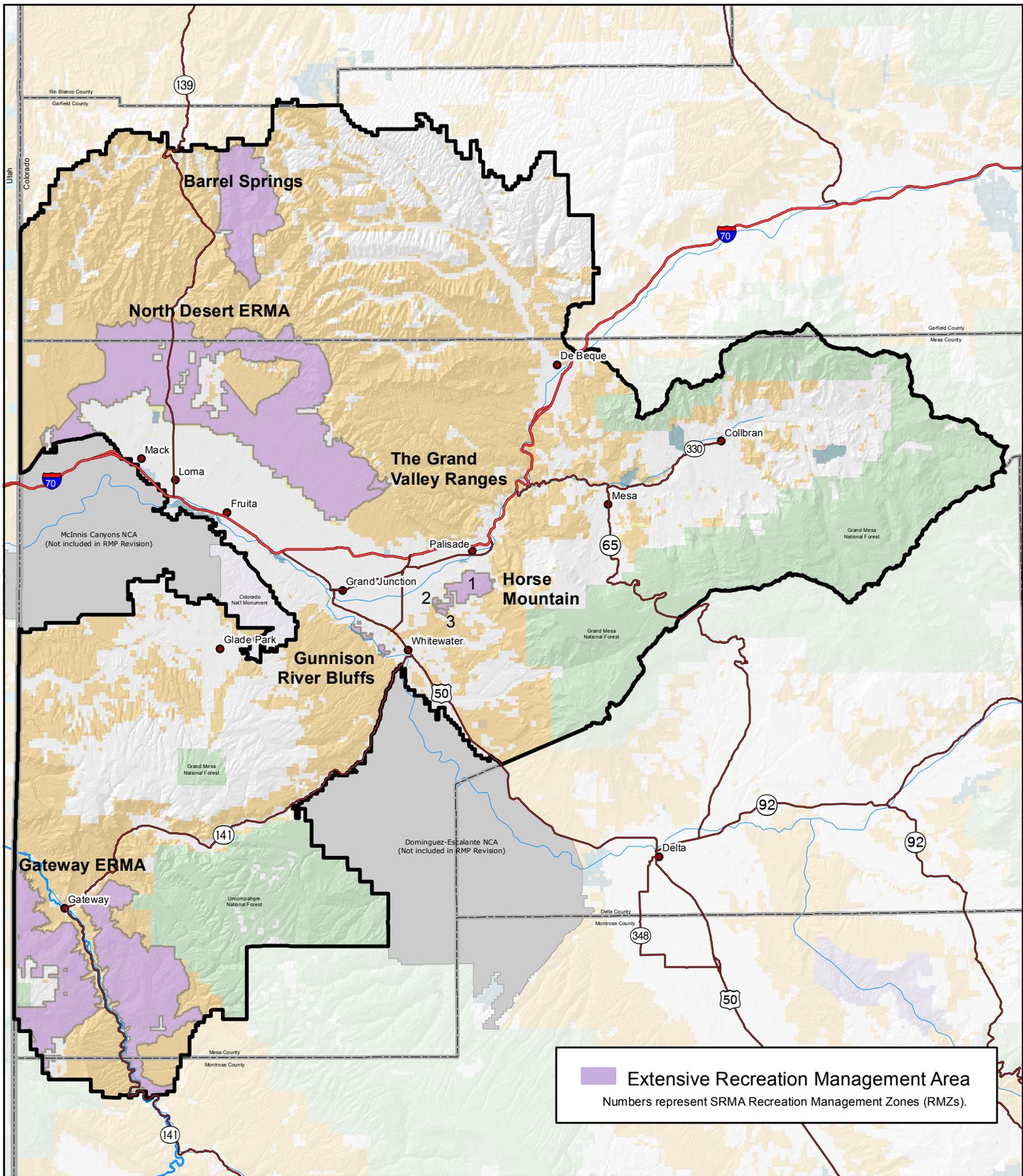
Source: BLM 2010a

Grazing Allotments

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Figure A-5



Extensive Recreation Management Area
 Numbers represent SRMA Recreation Management Zones (RMZs).



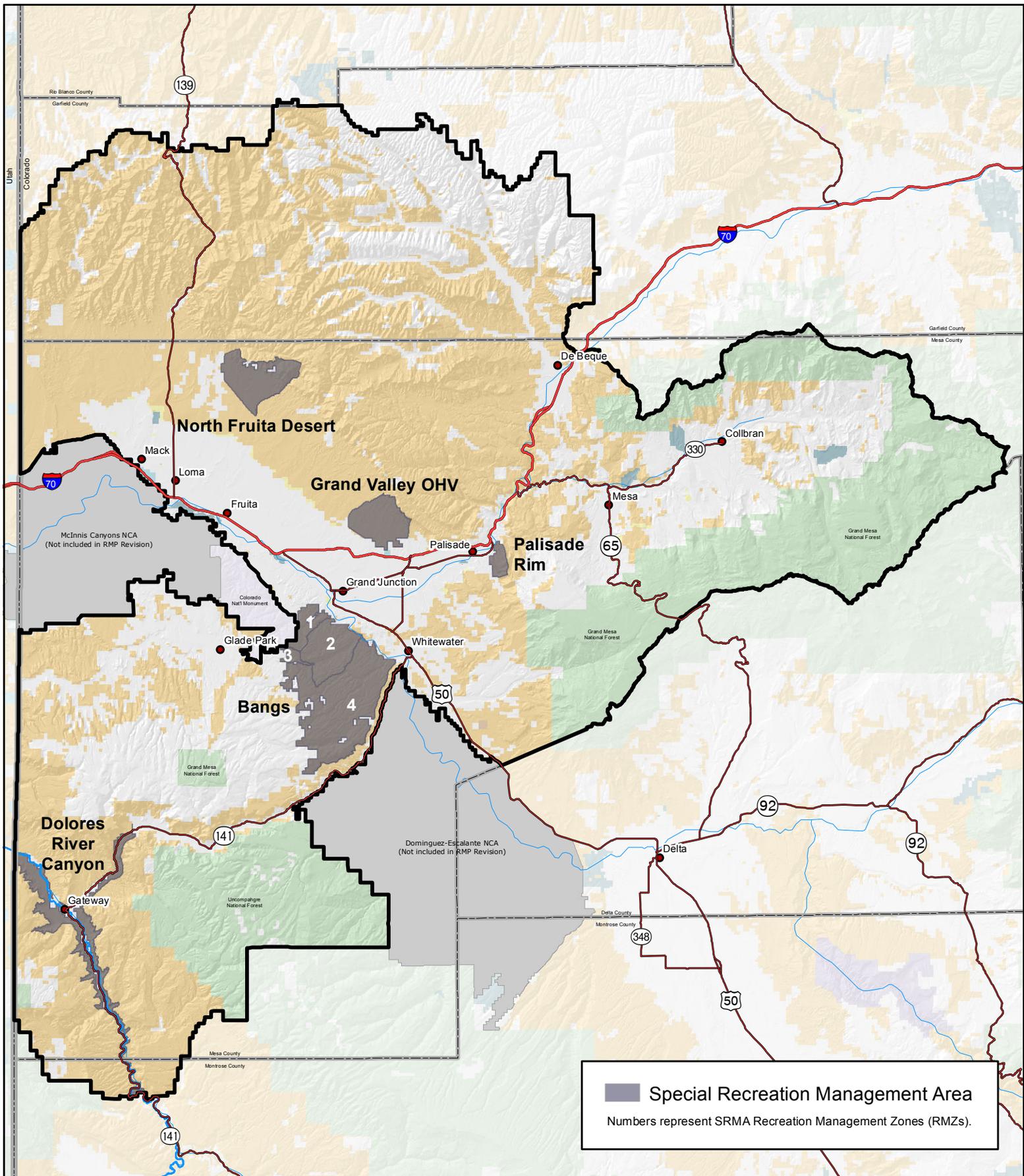
Source: BLM 2010a

Extensive Recreation Management Areas

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Figure A-6



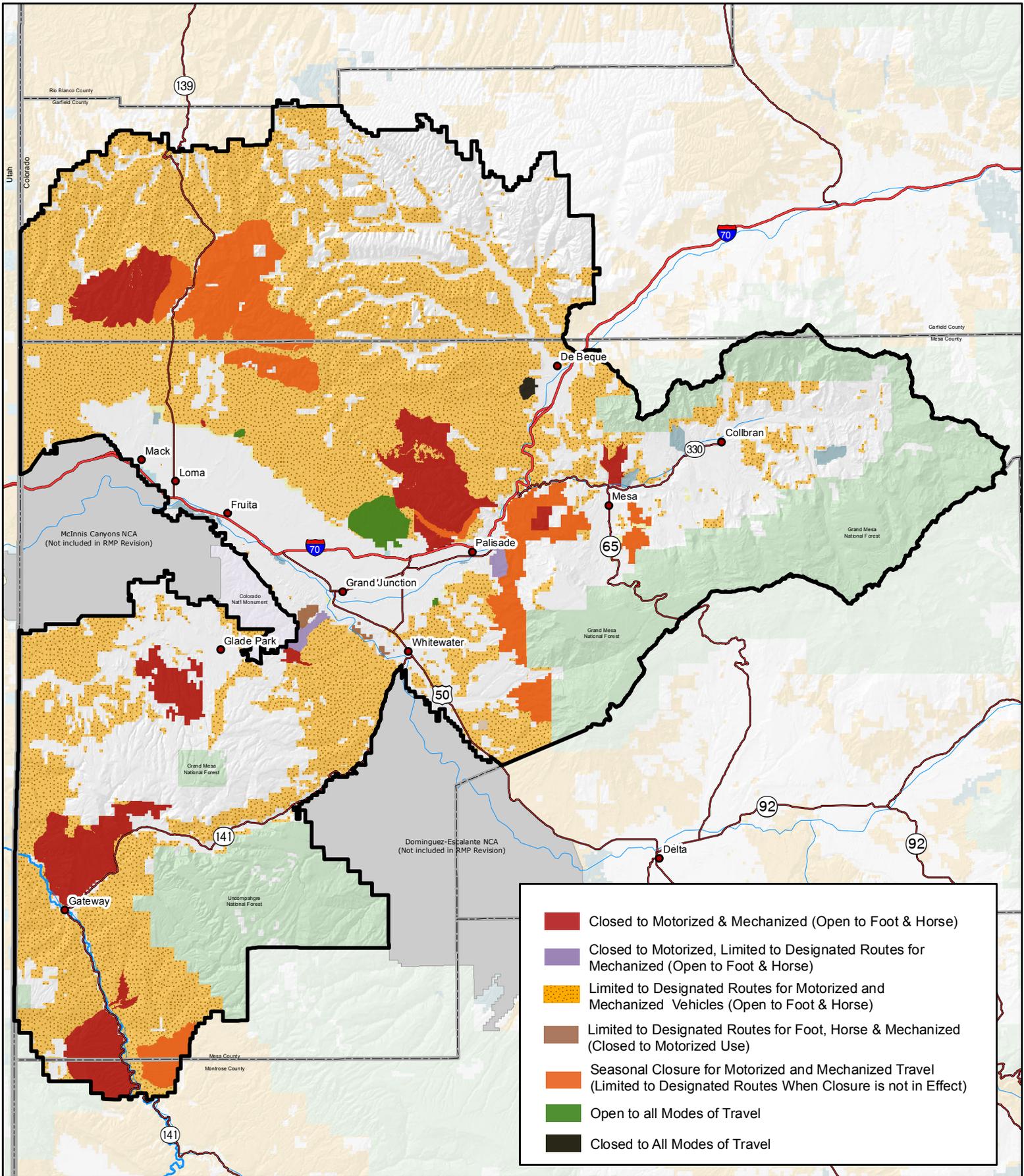
Source: BLM 2010a

Special Recreation Management Areas

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Figure A-7



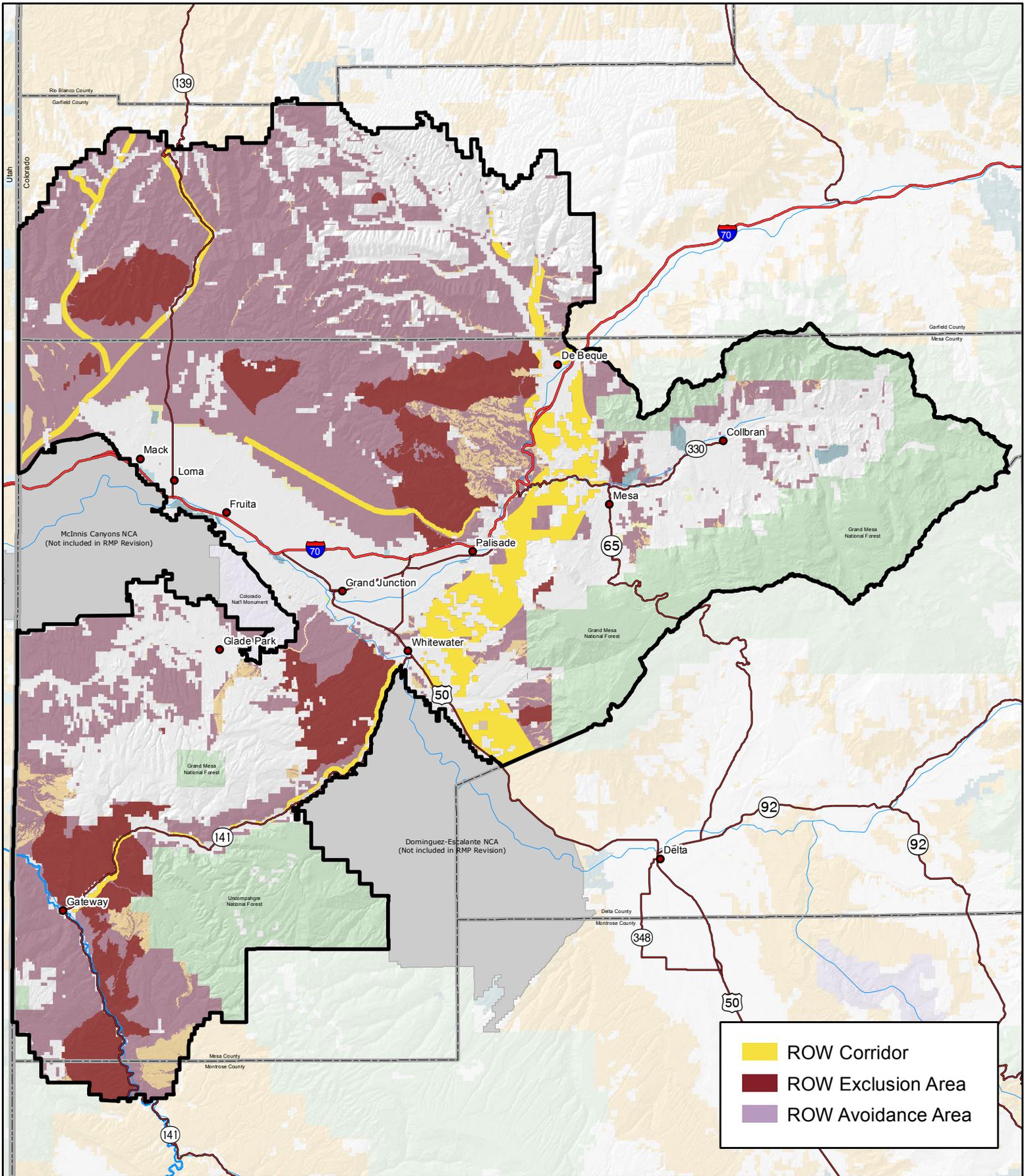
Source: BLM 2010a

Comprehensive Travel and Transportation Management

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Figure A-8



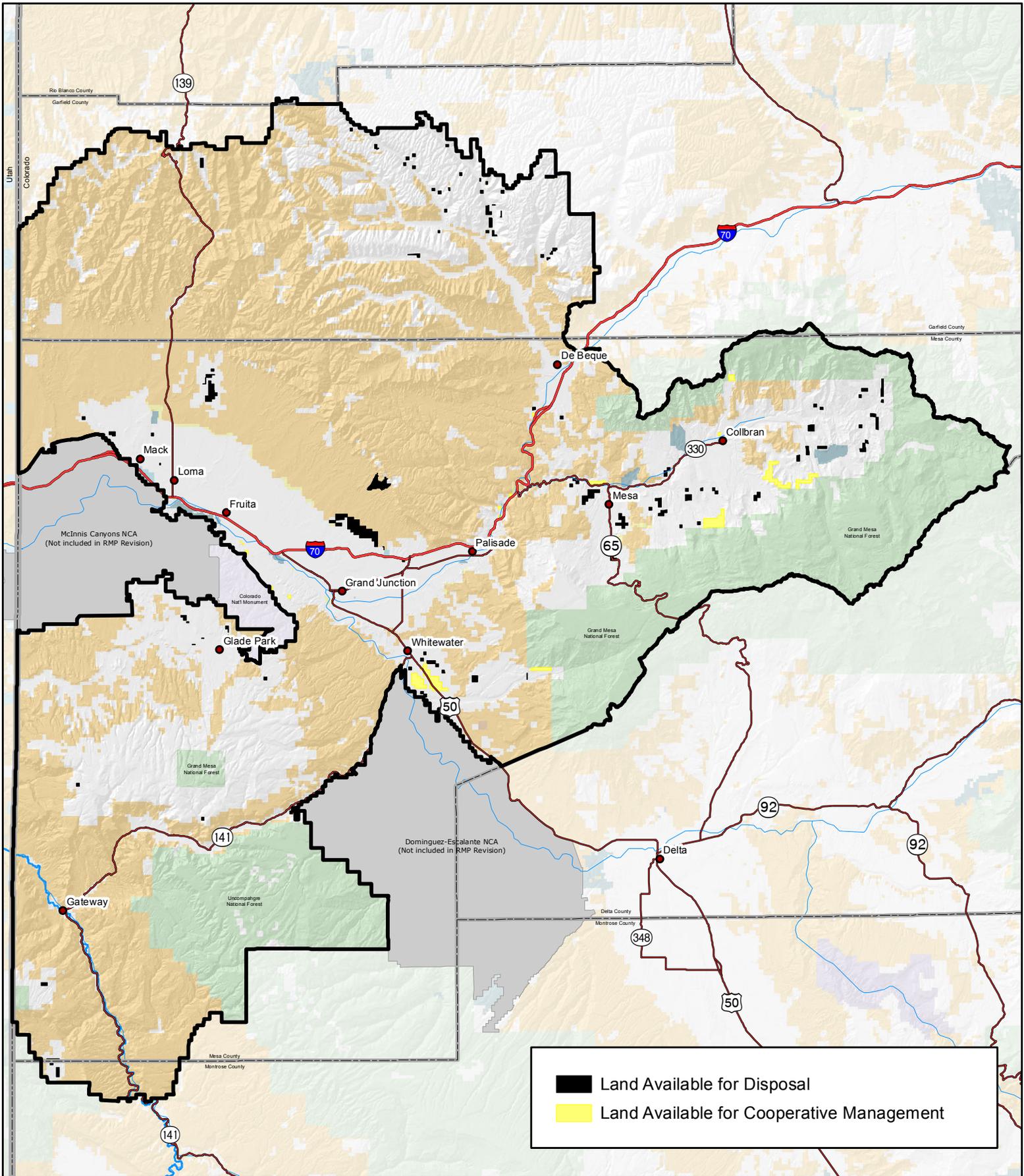
Source: BLM 2010a

Right-of-Way Corridors, Exclusion and Avoidance Areas

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Figure A-9



Land Available for Disposal
 Land Available for Cooperative Management



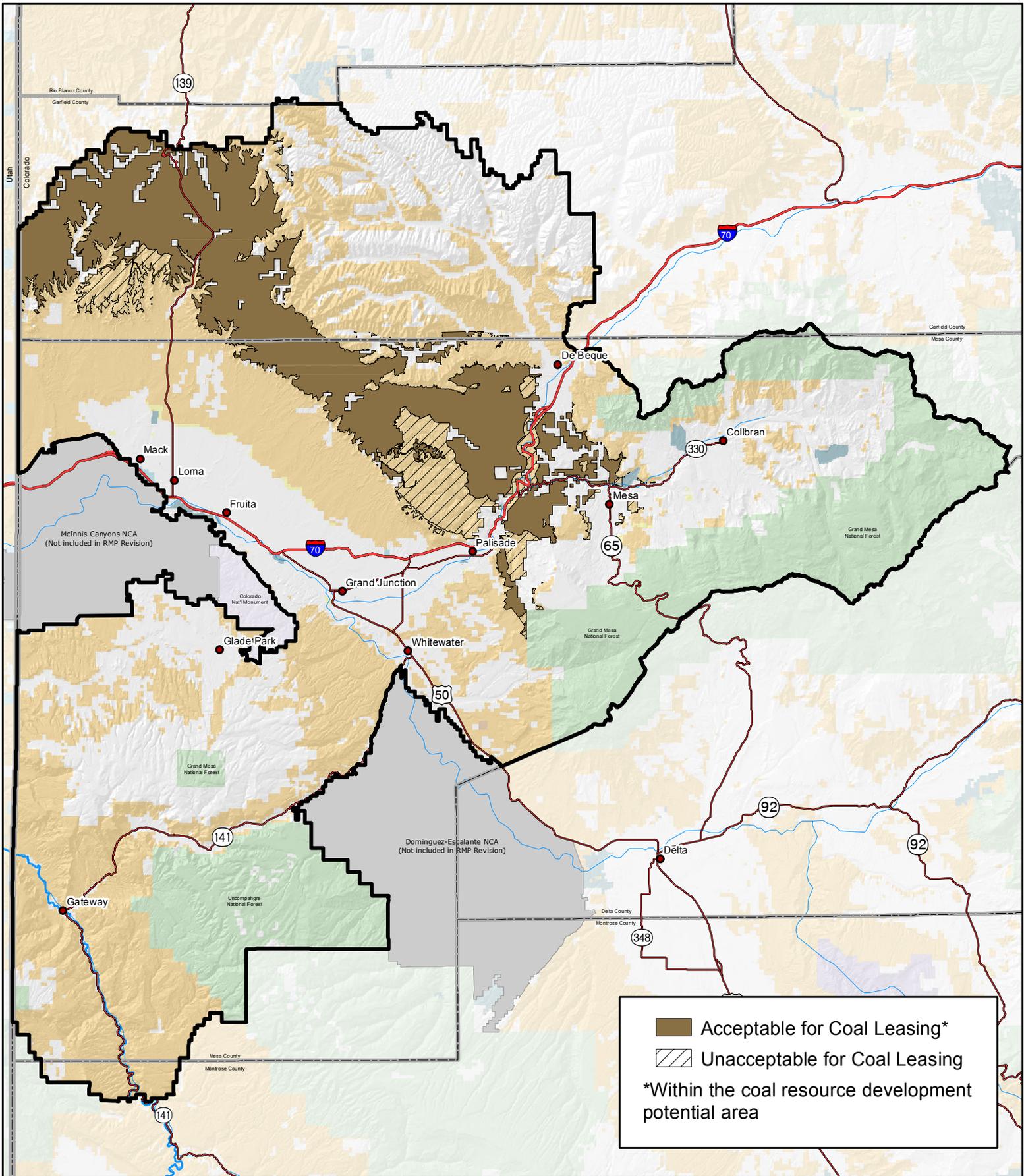
Source: BLM 2010a

Land Tenure Adjustments

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Figure A-10



Acceptable for Coal Leasing*
 Unacceptable for Coal Leasing
 *Within the coal resource development potential area



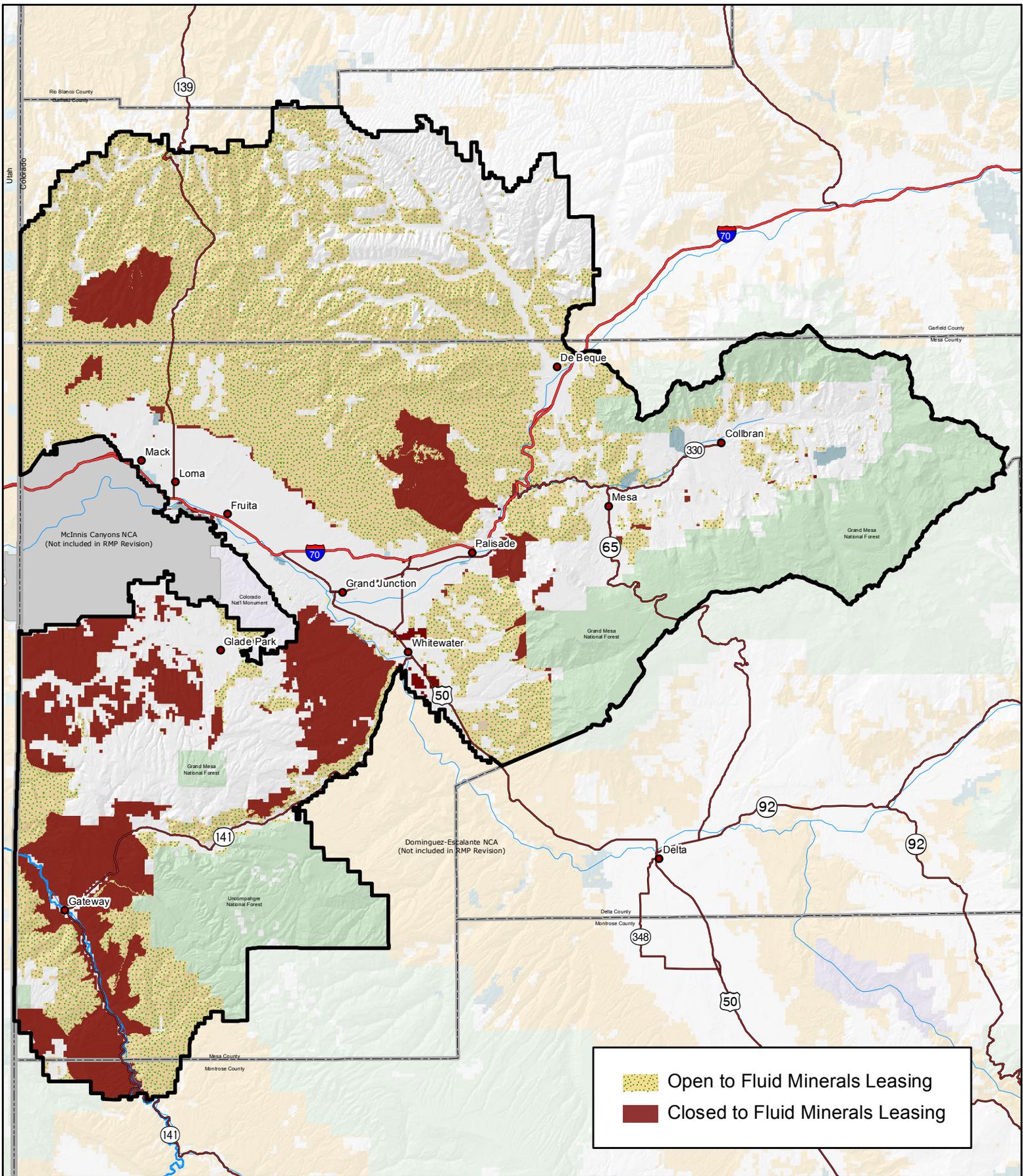
Source: BLM 2010a

Coal Leasing

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Figure A-11



	Open to Fluid Minerals Leasing
	Closed to Fluid Minerals Leasing



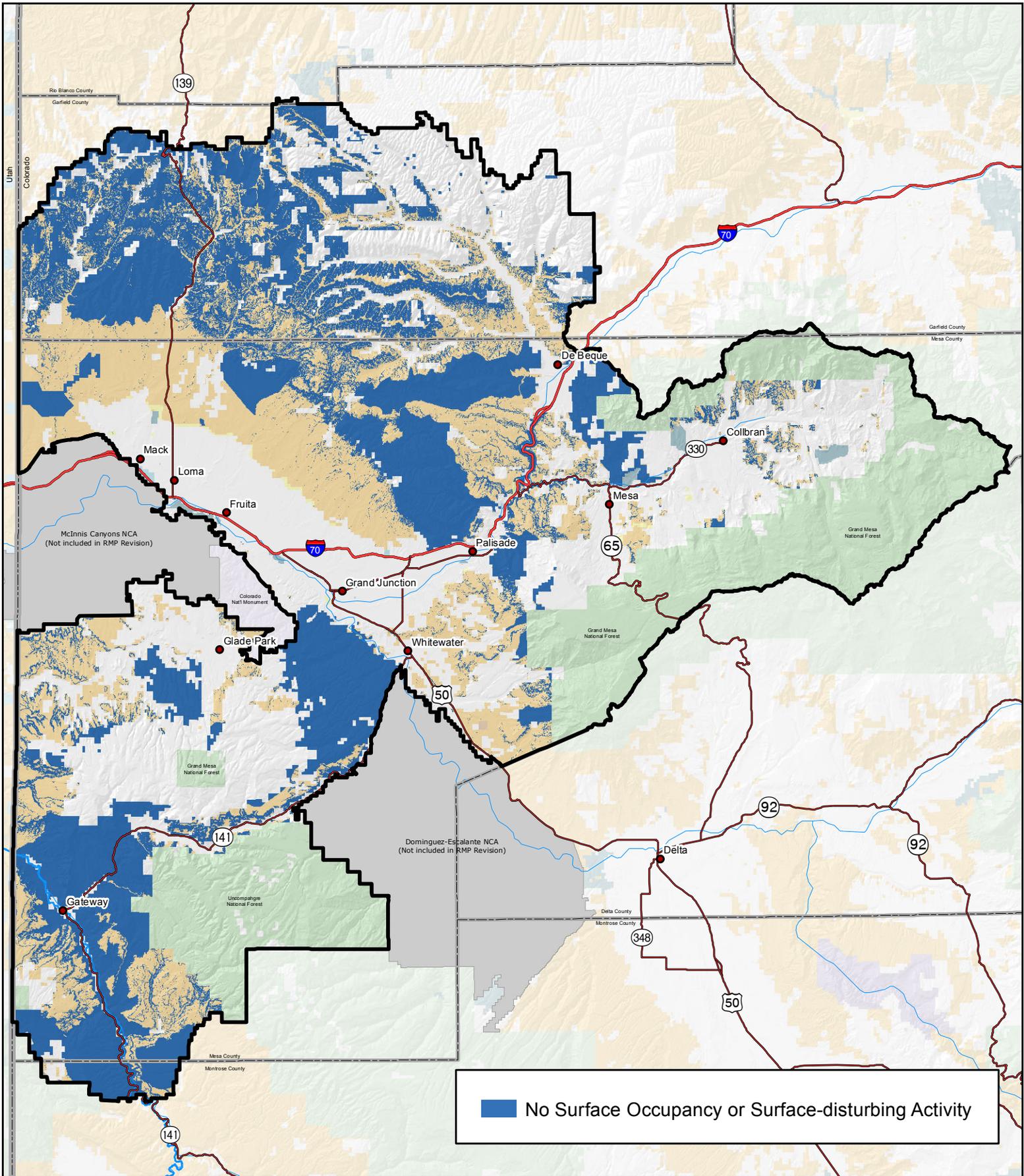
Source: BLM 2010a

Fluid Minerals

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Figure A-12



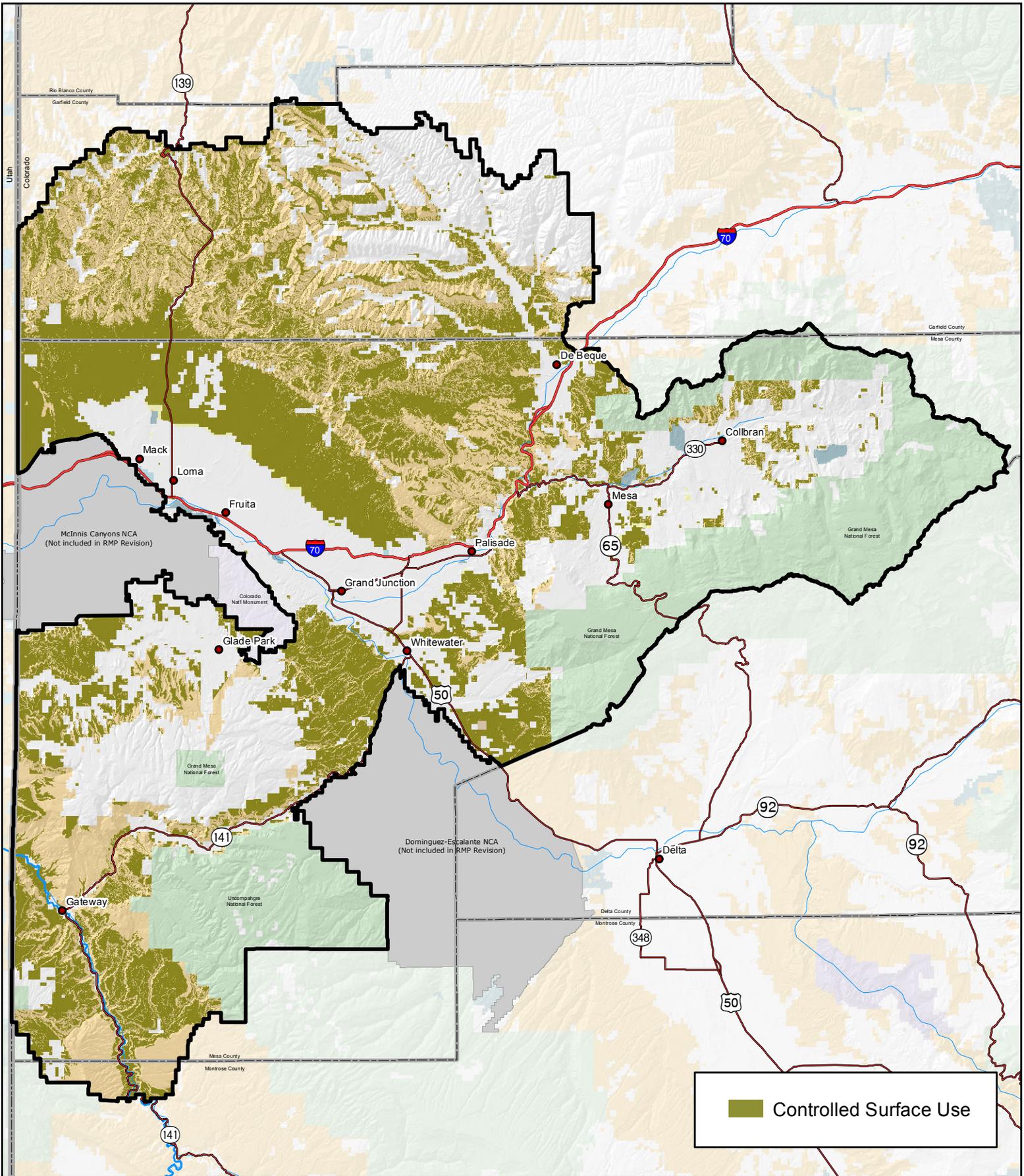
Source: BLM 2010a

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No Surface Occupancy or Surface-disturbing Activities



Figure A-13



Source: BLM 2010a

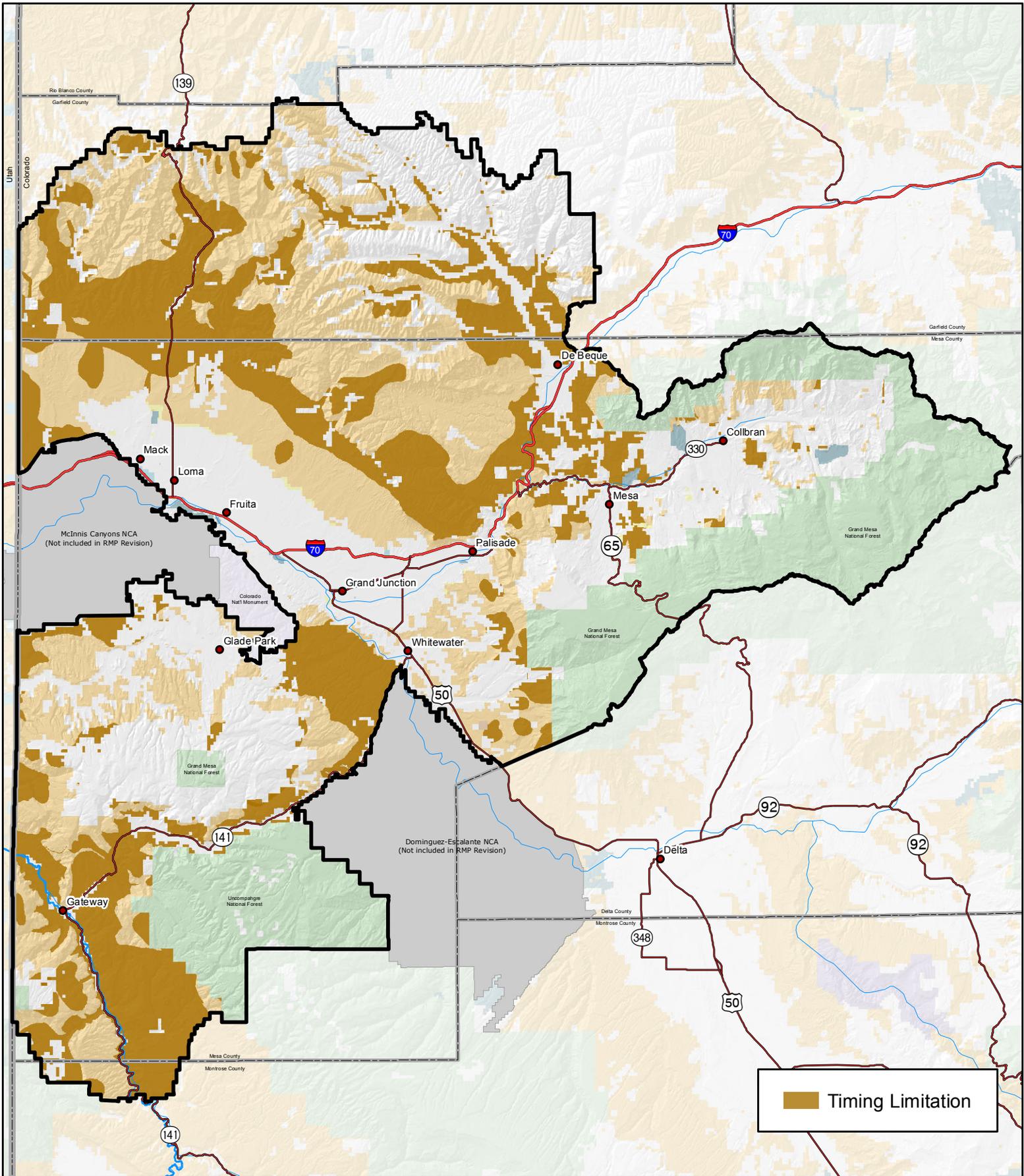


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Controlled Surface Use



Figure A-14



 Timing Limitation



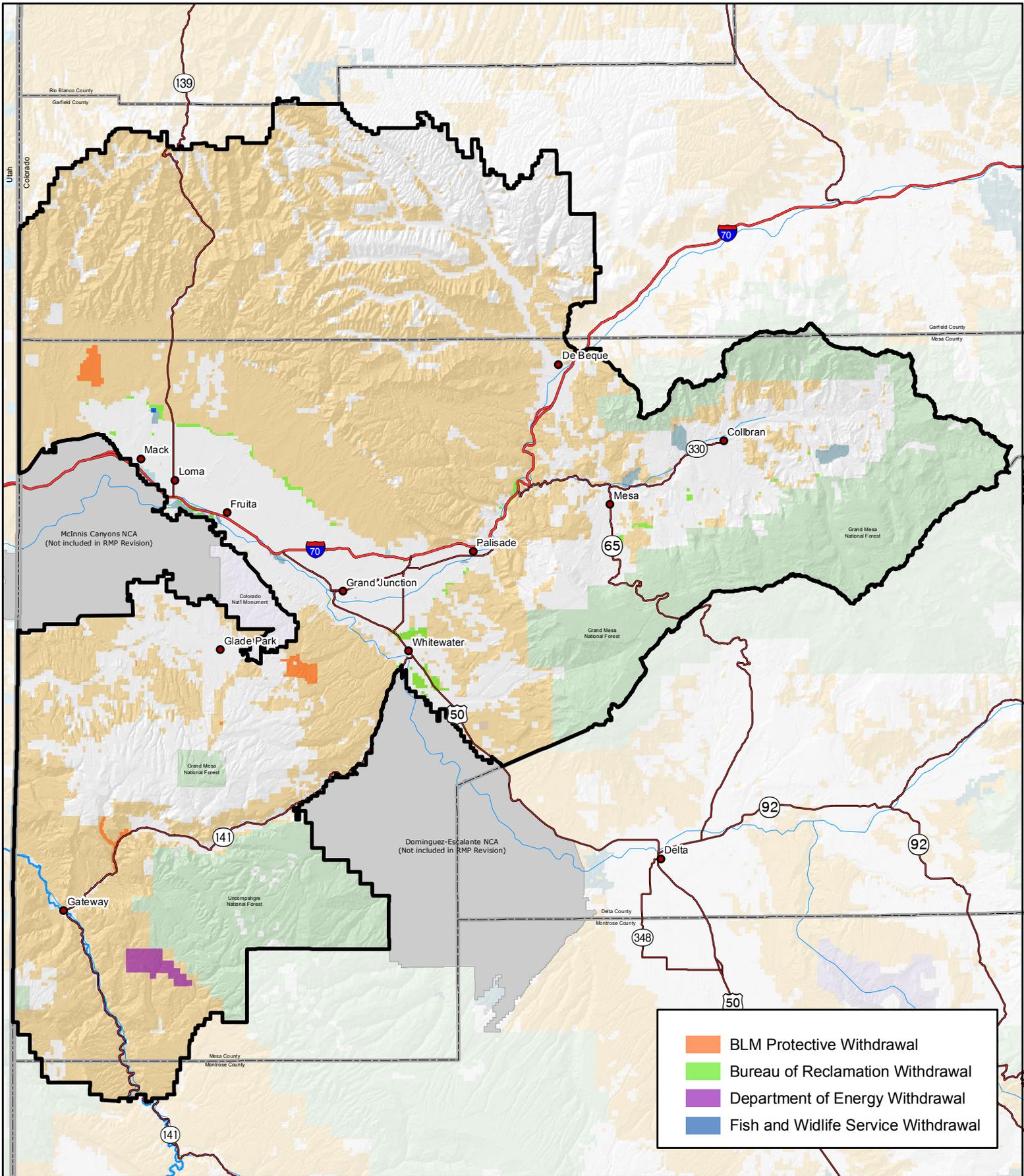
Source: BLM 2010a

Timing Limitations

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Figure A-15



Source: BLM 2010a

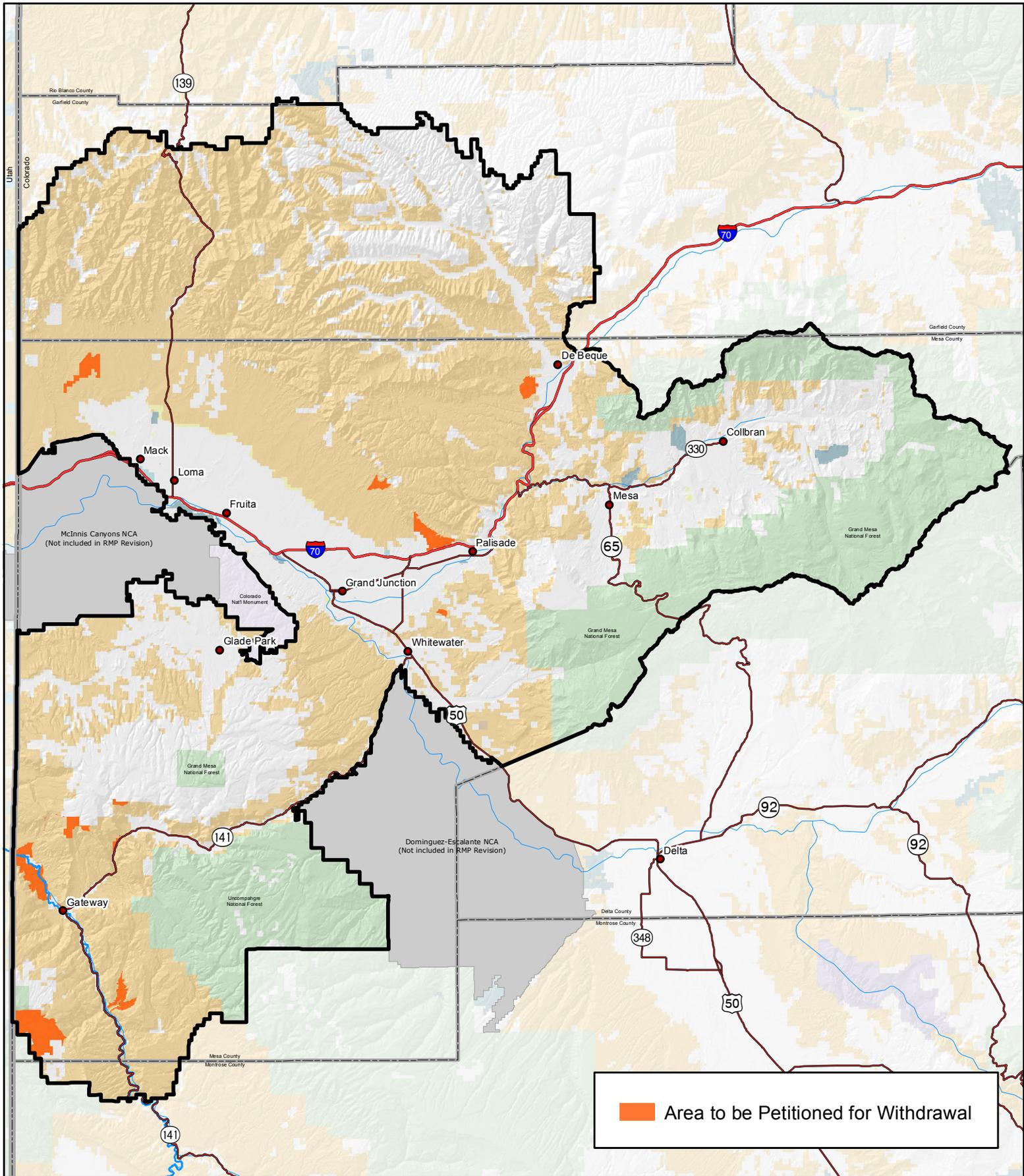
Lands Withdrawn from Mineral Entry

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Figure A-16





 Area to be Petitioned for Withdrawal



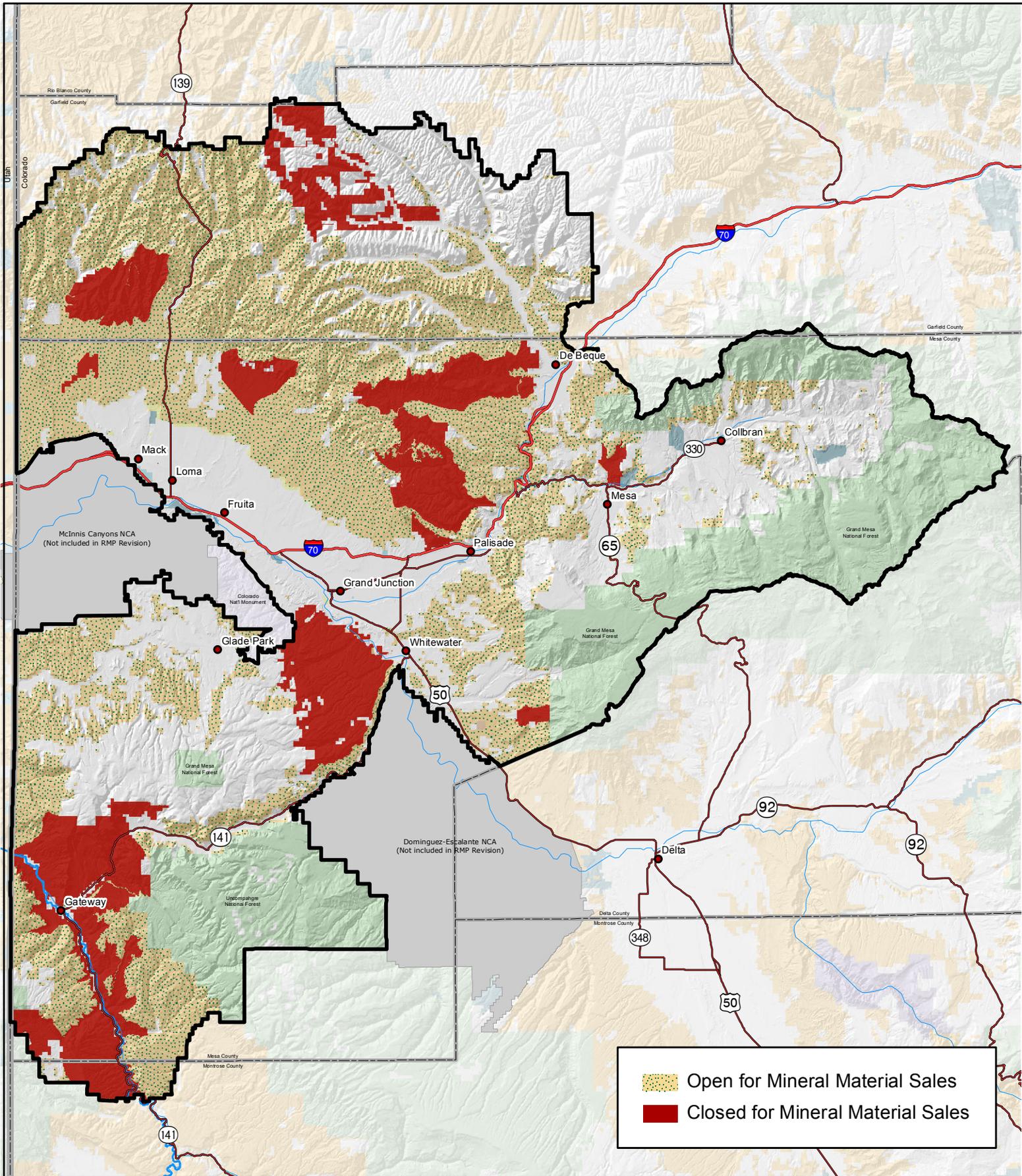
Source: BLM 2010a

Locatable Minerals

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Figure A-17



 Open for Mineral Material Sales
 Closed for Mineral Material Sales



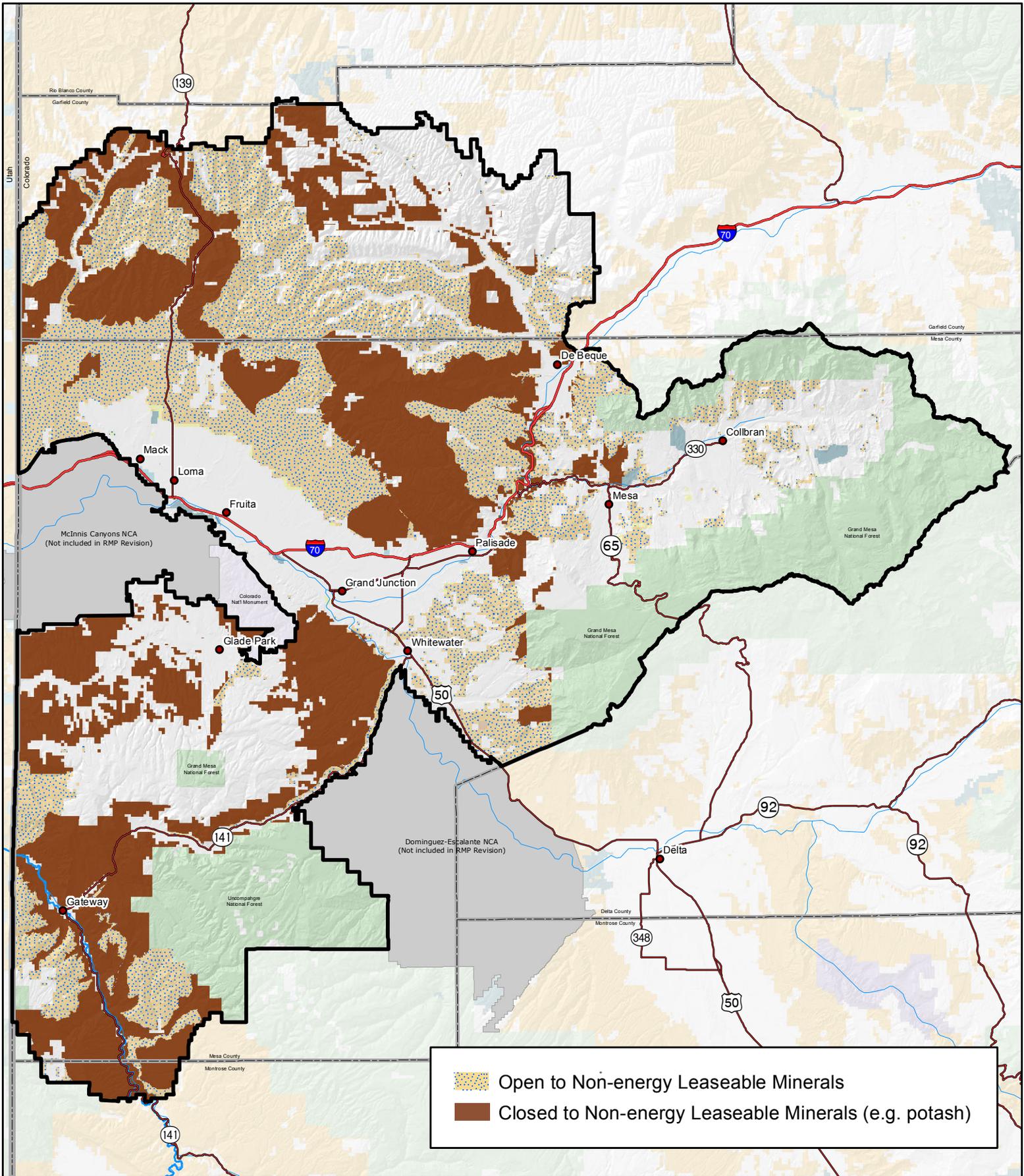
Source: BLM 2010a

Mineral Materials

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Figure A-18



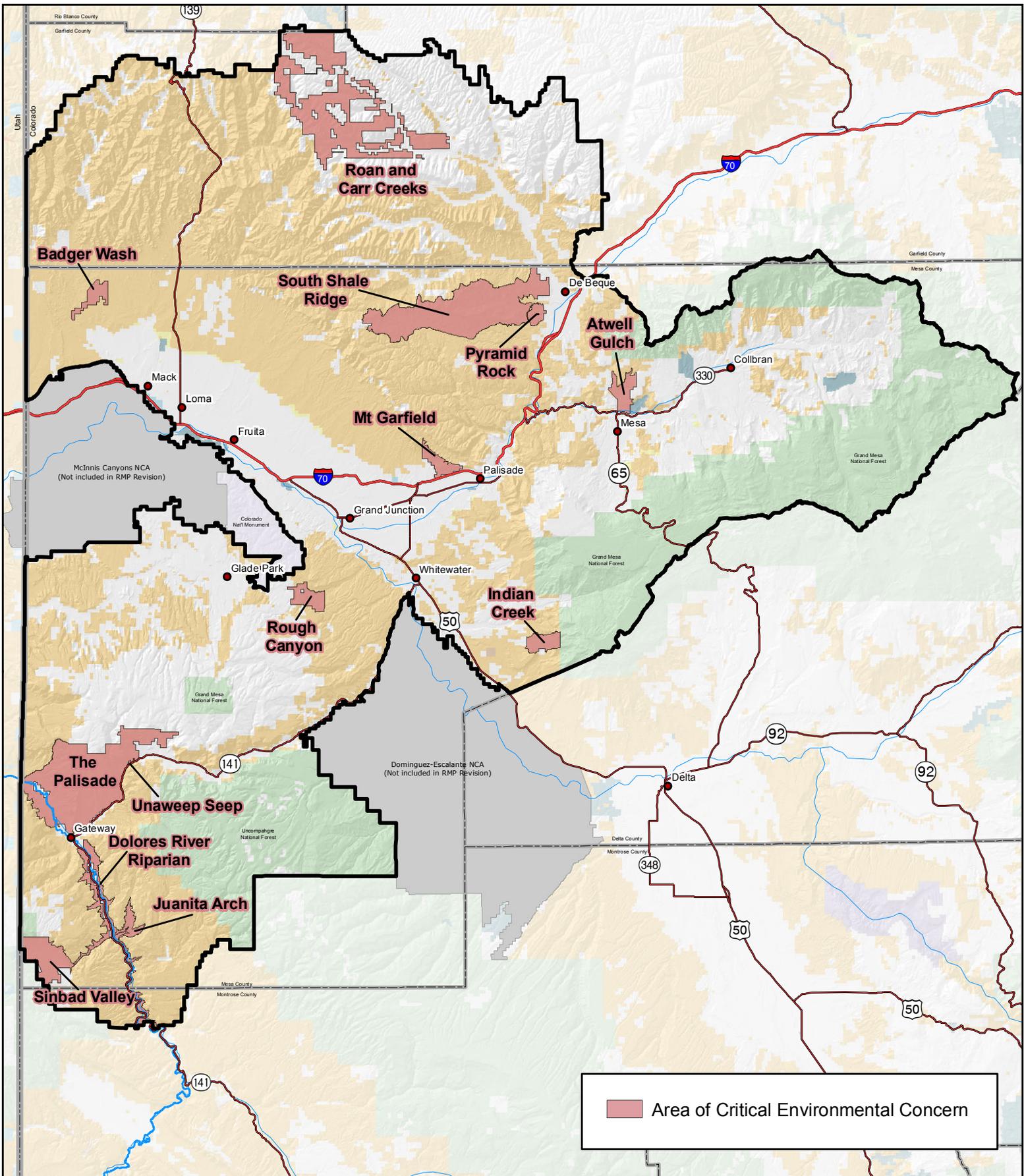
Source: BLM 2010a

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Non-energy Leaseable Minerals



Figure A-19



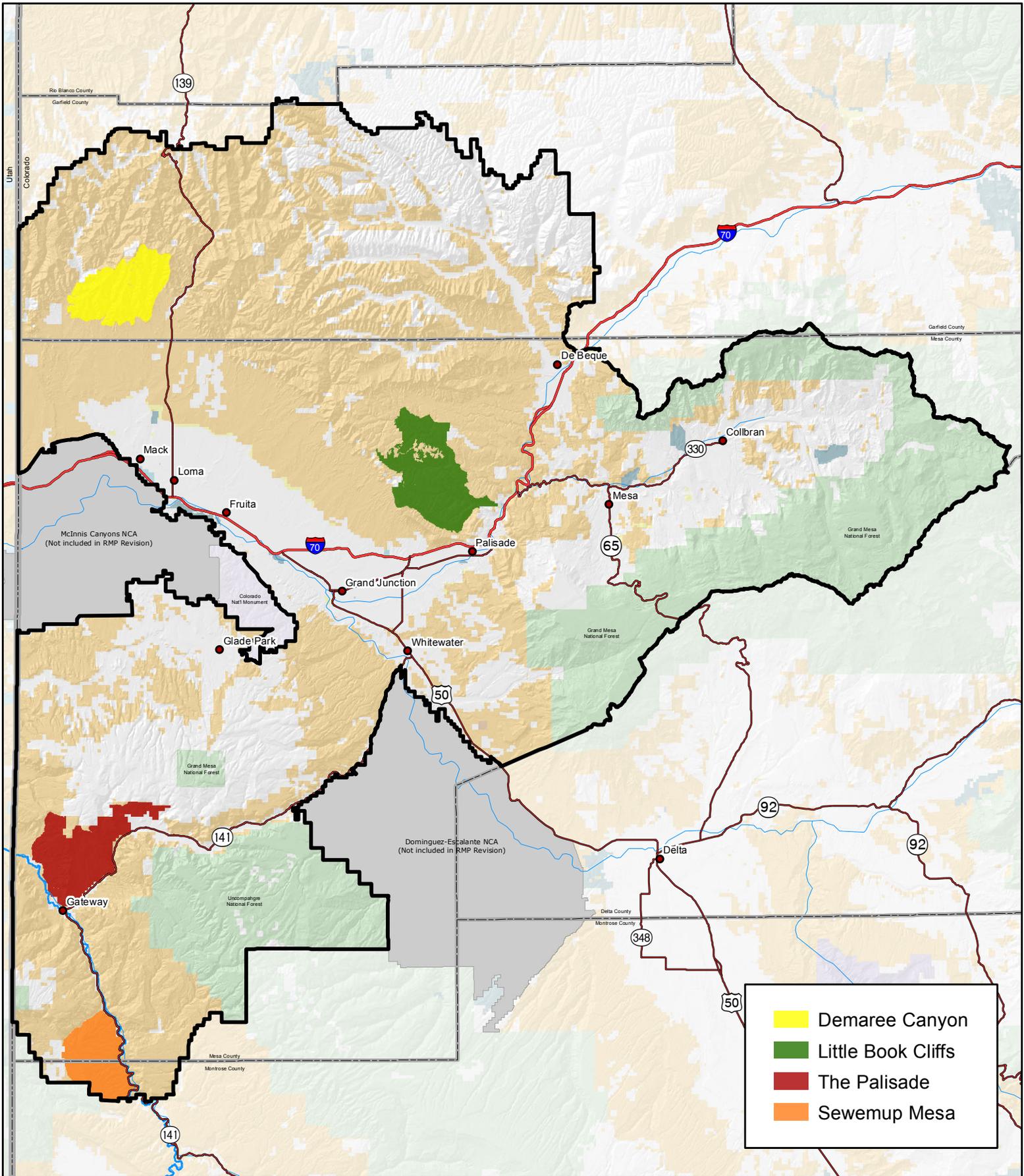
Source: BLM 2010a

Areas of Critical Environmental Concern

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Figure A-20



	Demaree Canyon
	Little Book Cliffs
	The Palisade
	Sewemup Mesa



Source: BLM 2010a

Wilderness Study Areas

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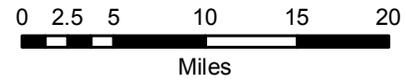
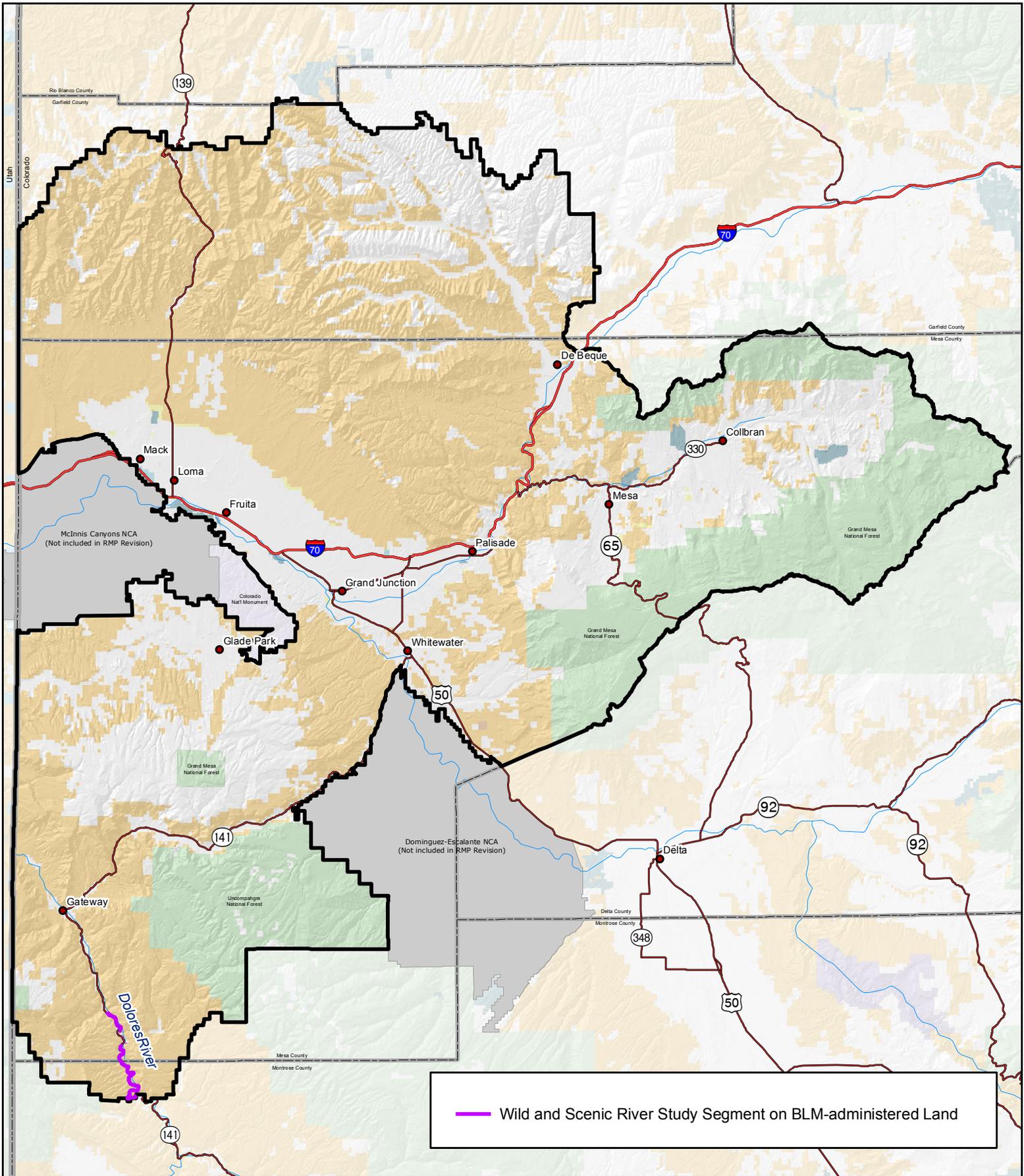


Figure A-21



— Wild and Scenic River Study Segment on BLM-administered Land



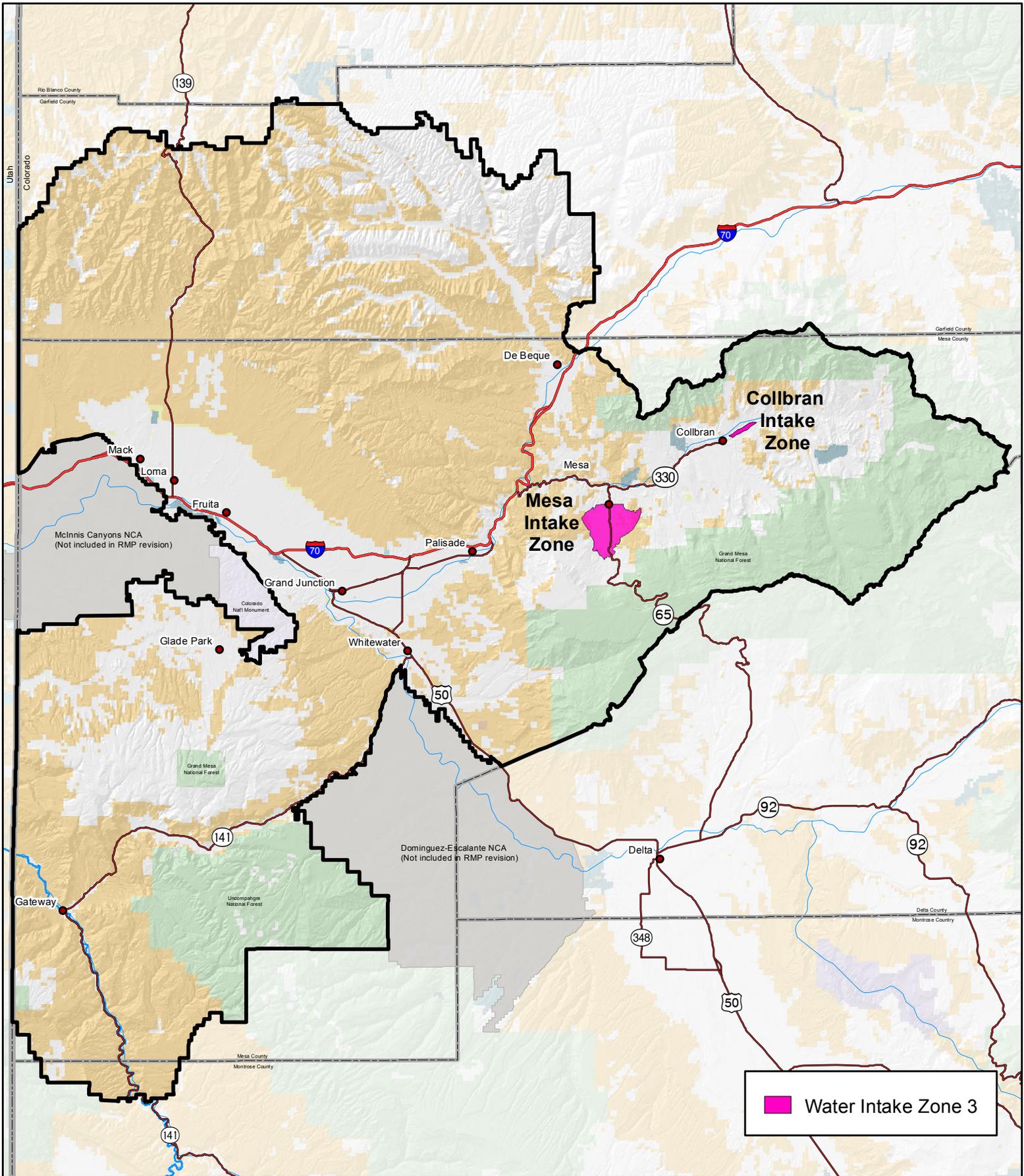
Source: BLM 2010a

Segments Suitable for Inclusion in the NWSRS

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Figure A-22



 Water Intake Zone 3



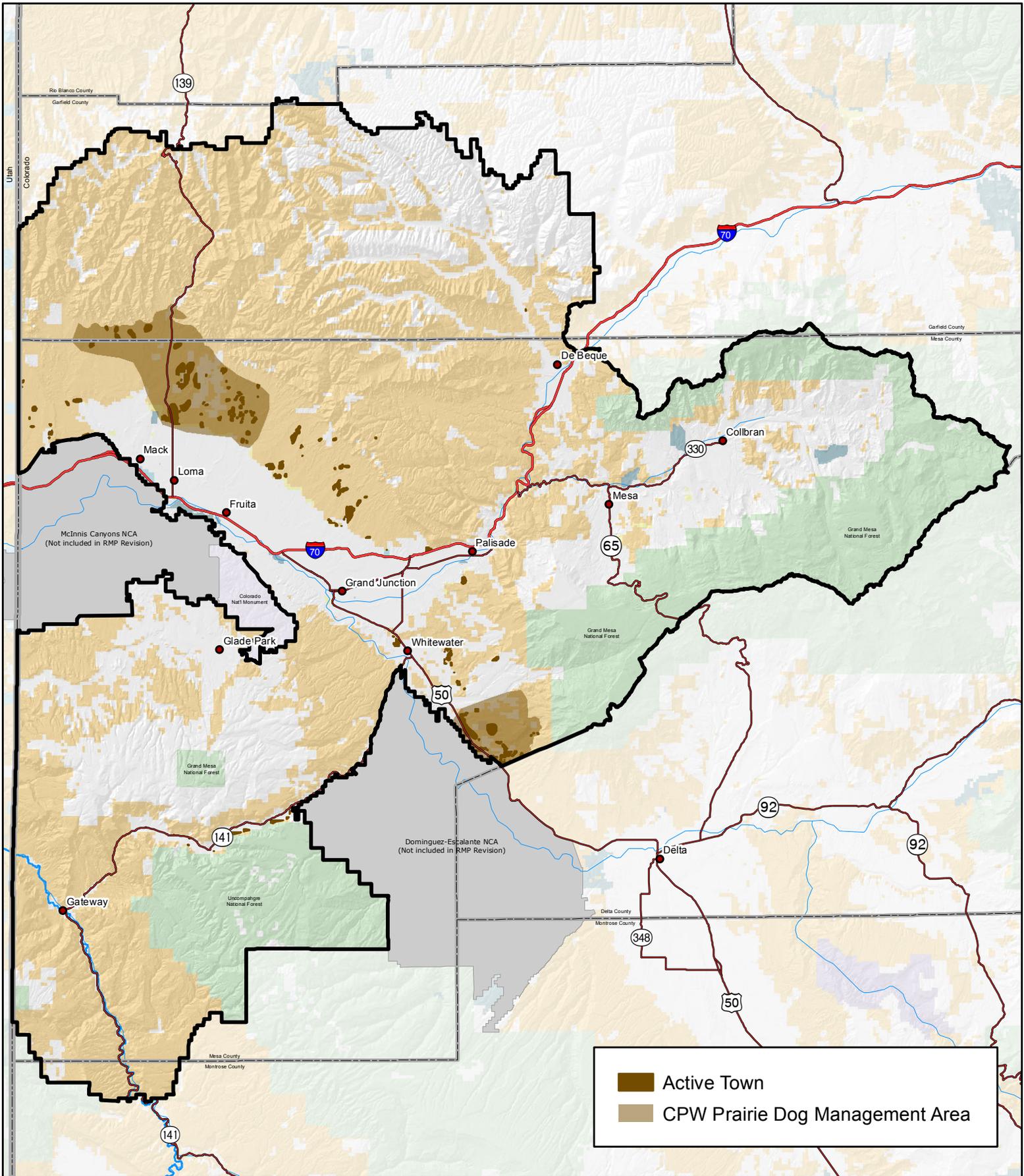
Source: BLM 2010a

Water Intake Zone 3

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Figure A-23



Source: BLM 2010a

Prairie Dog Towns

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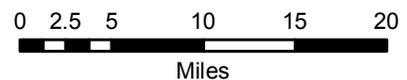
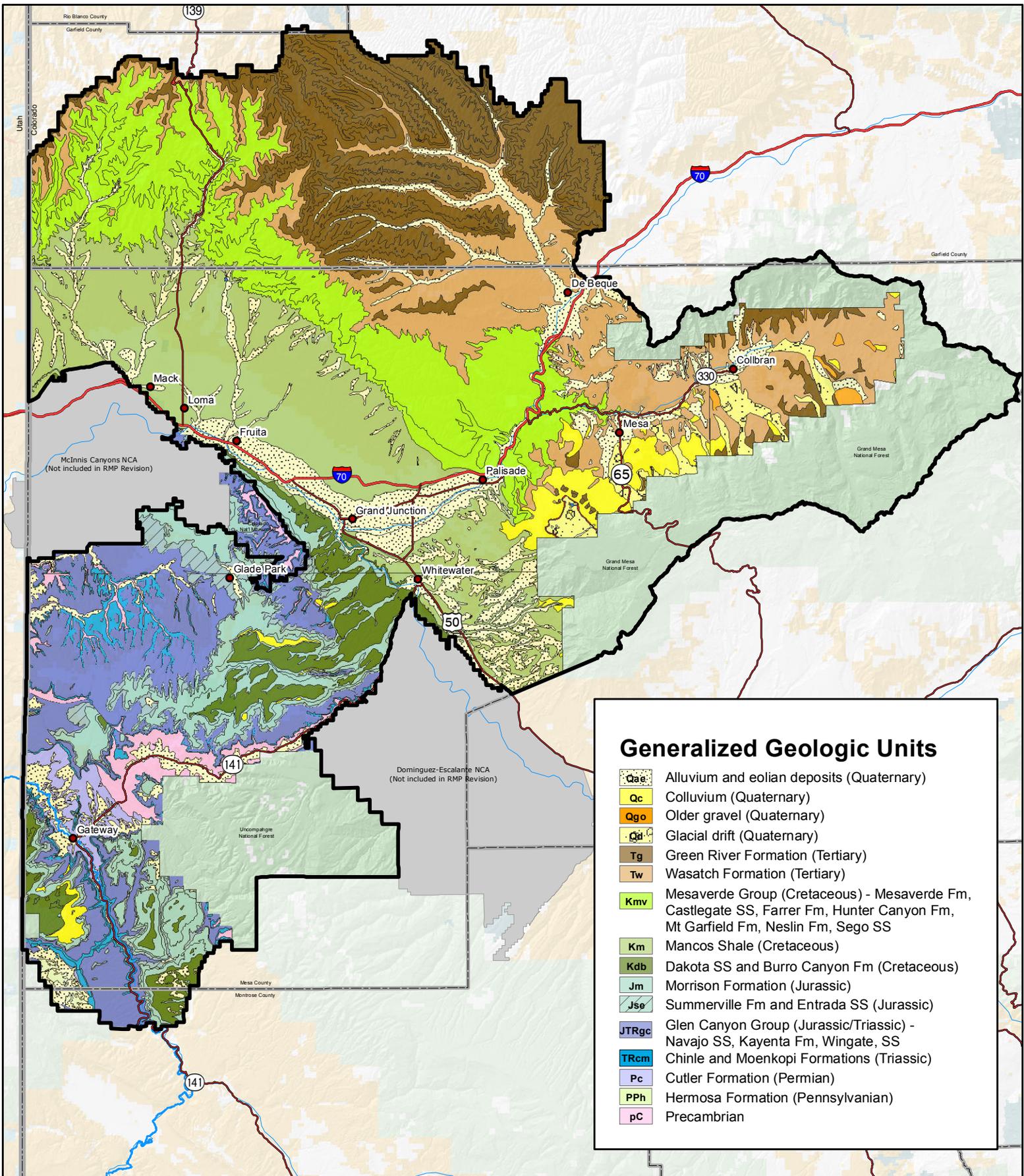


Figure A-24



Generalized Geologic Units

- Qae Alluvium and eolian deposits (Quaternary)
- Qc Colluvium (Quaternary)
- Qgo Older gravel (Quaternary)
- Qd Glacial drift (Quaternary)
- Tg Green River Formation (Tertiary)
- Tw Wasatch Formation (Tertiary)
- Kmv Mesaverde Group (Cretaceous) - Mesaverde Fm, Castlegate SS, Farrer Fm, Hunter Canyon Fm, Mt Garfield Fm, Neslin Fm, Segoe SS
- Km Mancos Shale (Cretaceous)
- Kdb Dakota SS and Burro Canyon Fm (Cretaceous)
- Jm Morrison Formation (Jurassic)
- Jsp Summerville Fm and Entrada SS (Jurassic)
- JTRgc Glen Canyon Group (Jurassic/Triassic) - Navajo SS, Kayenta Fm, Wingate, SS
- TRcm Chinle and Moenkopi Formations (Triassic)
- Pc Cutler Formation (Permian)
- PPh Hermosa Formation (Pennsylvanian)
- pC Precambrian

Source: BLM 2010a

Surface Geology

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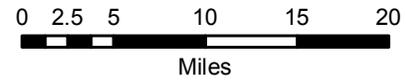
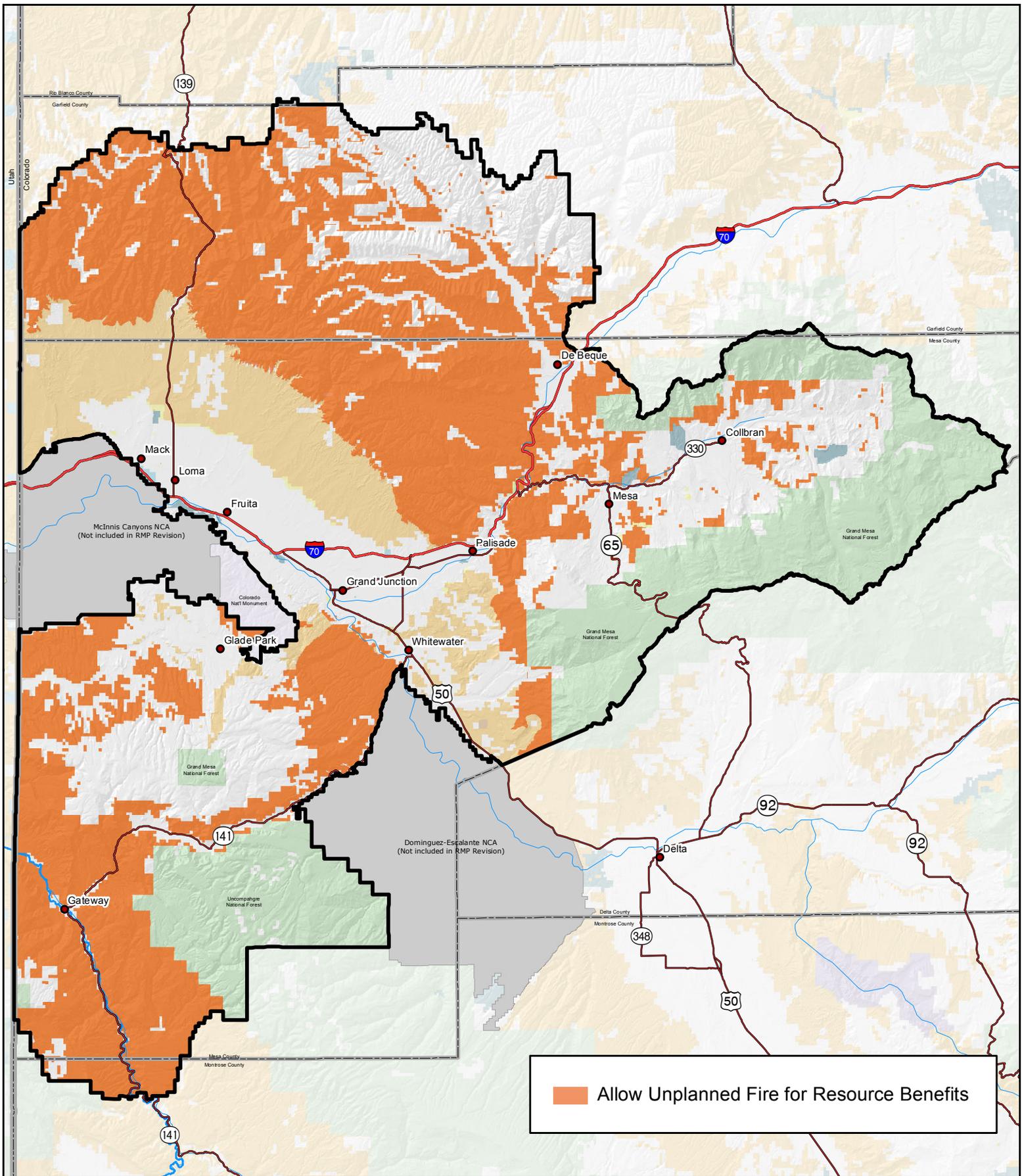


Figure A-25



Allow Unplanned Fire for Resource Benefits



Source: BLM 2010a

Wildland Fire Management

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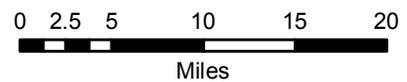
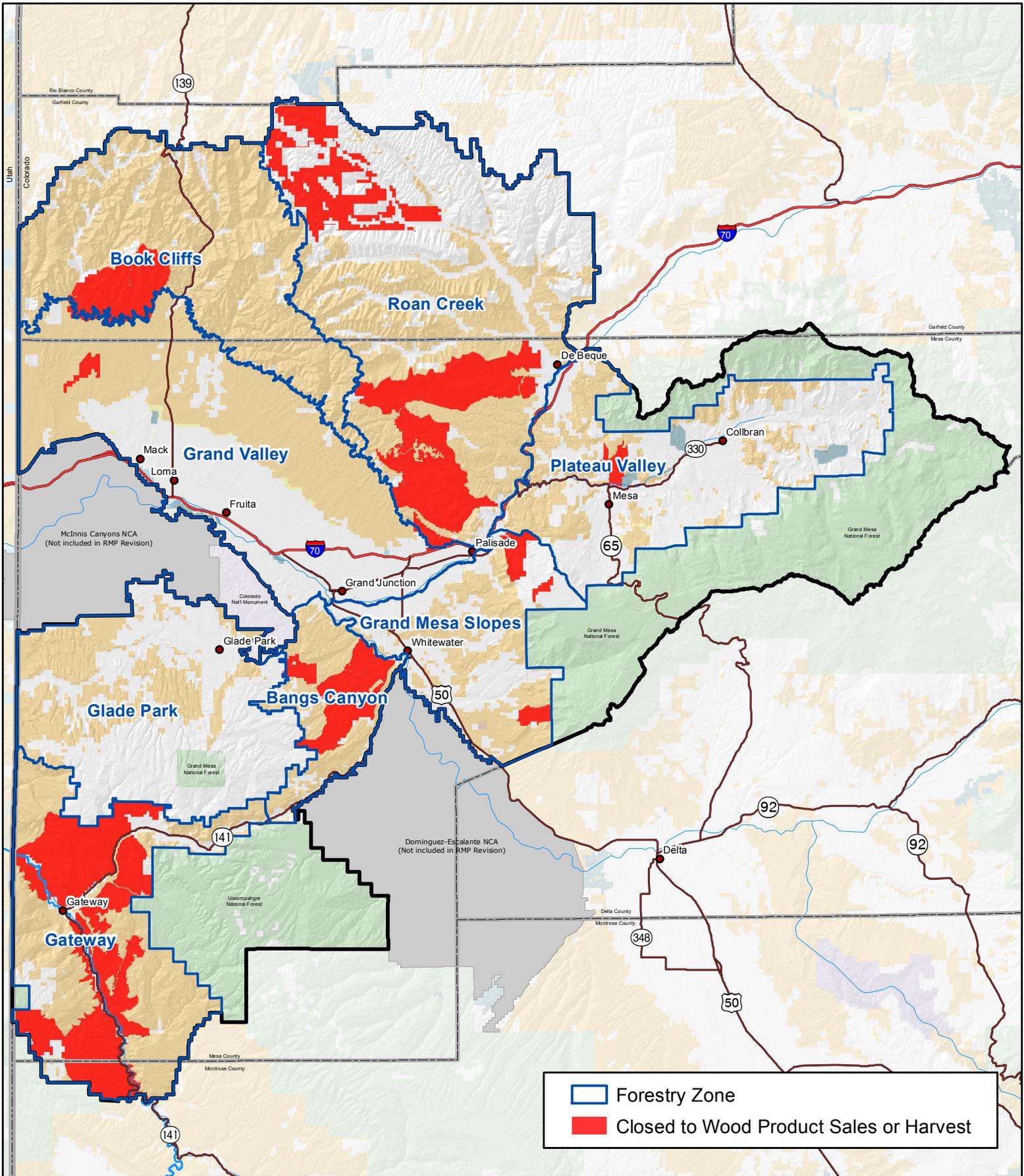


Figure A-26



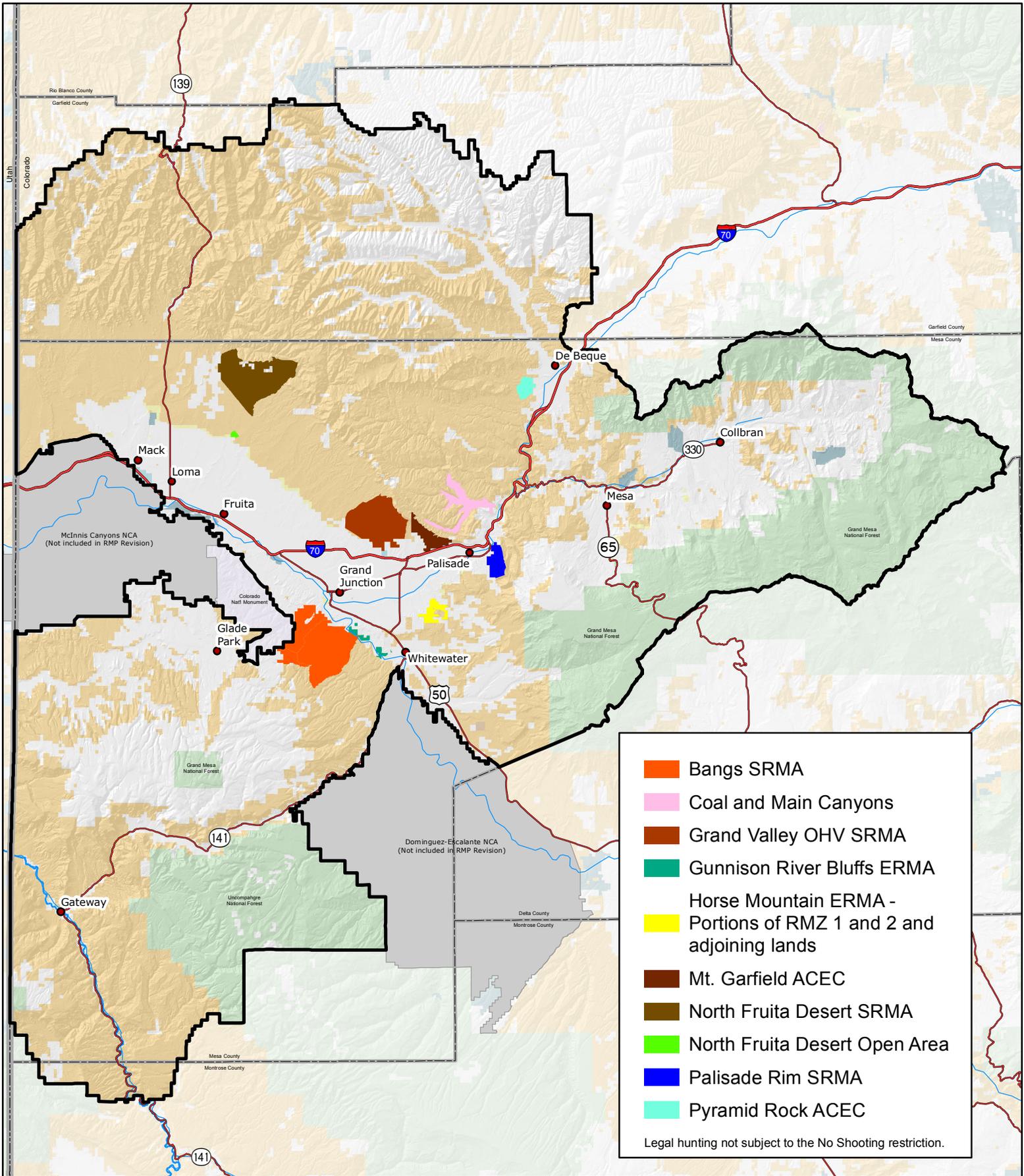
Source: BLM 2010a

Forest Management

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Figure A-27



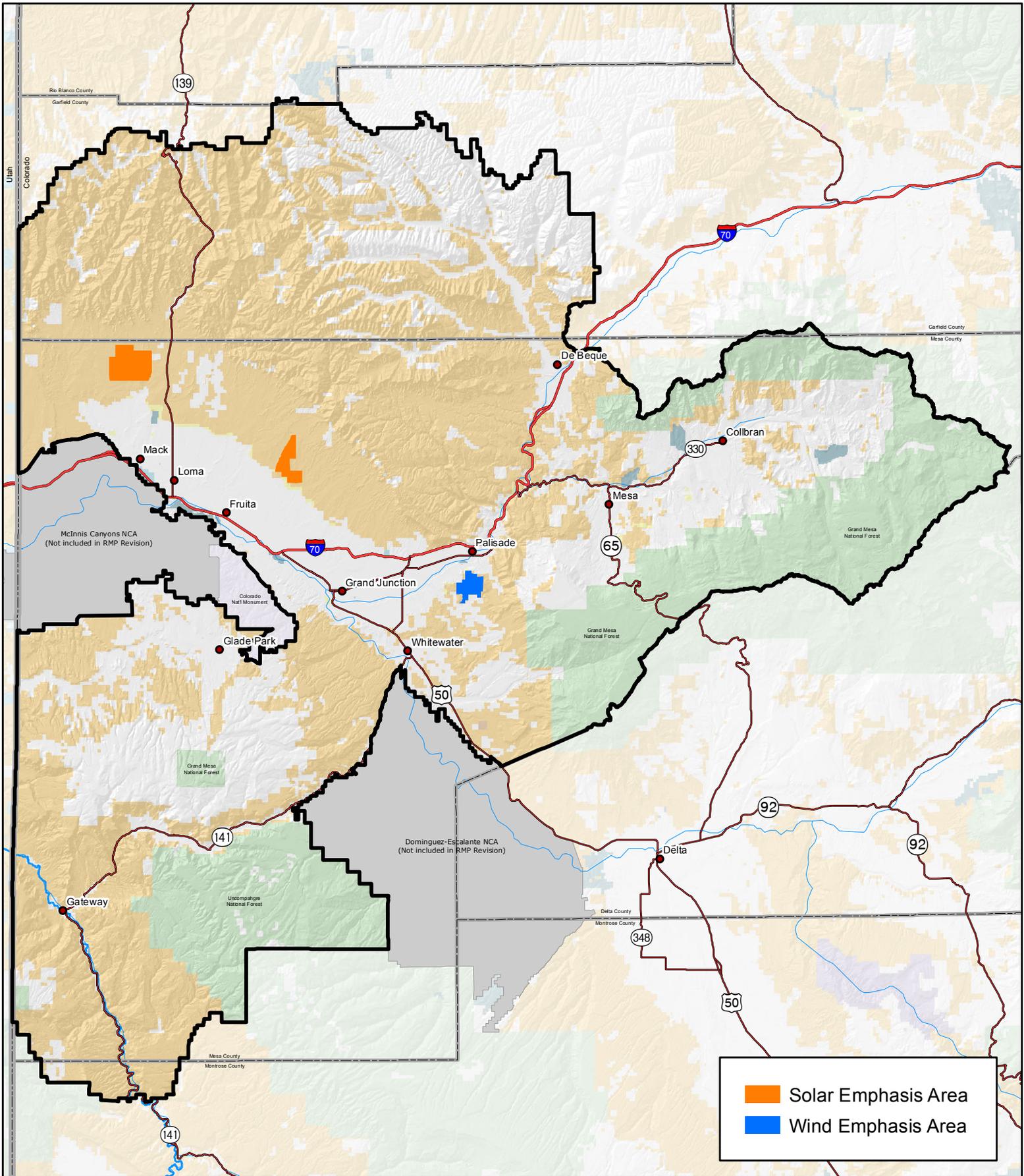
Source: BLM 2010a

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Target Shooting Closures



Figure A-28



Solar Emphasis Area
 Wind Emphasis Area



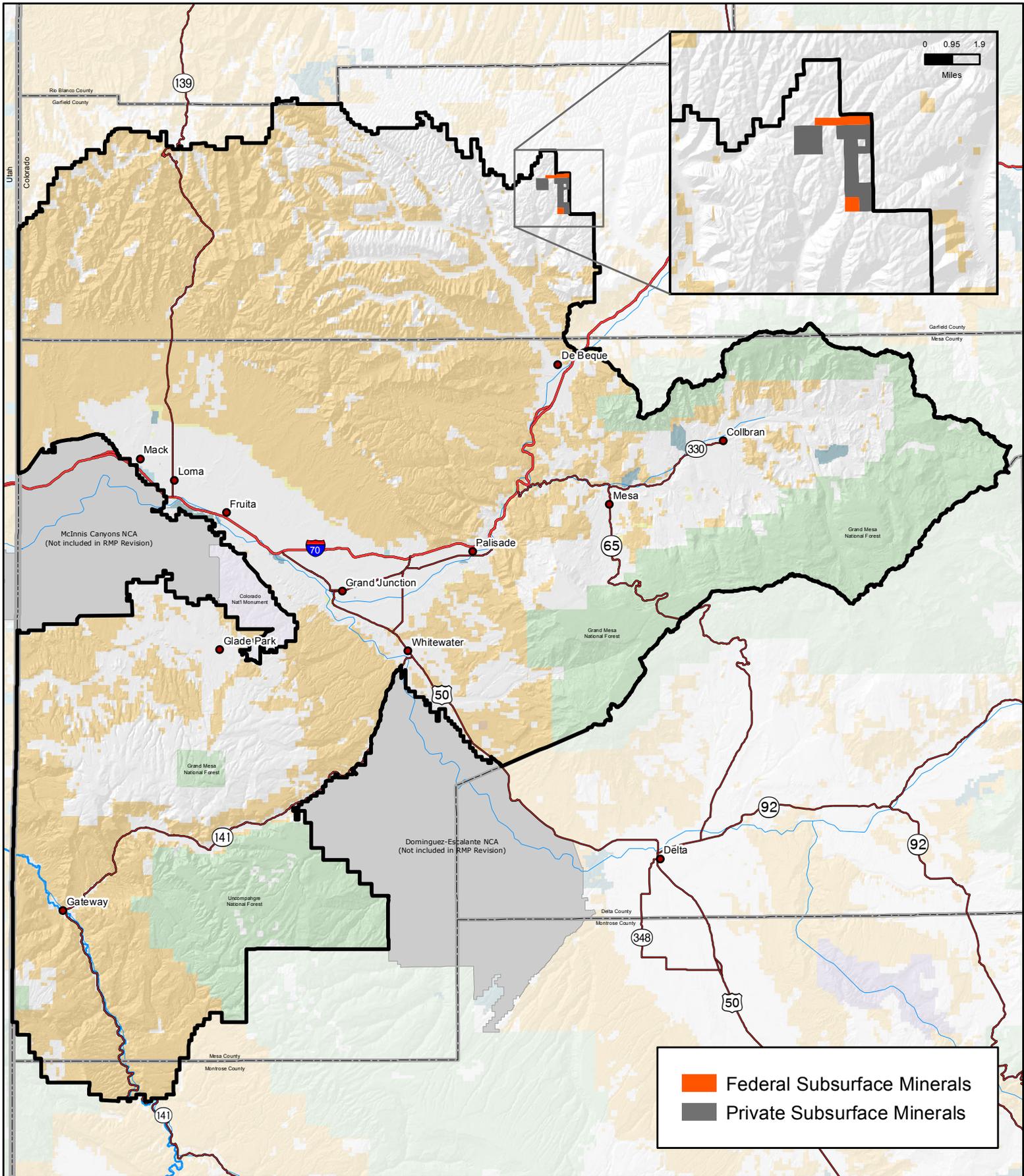
Source: BLM 2010a

Solar and Wind Energy Development Emphasis Areas

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Figure A-29



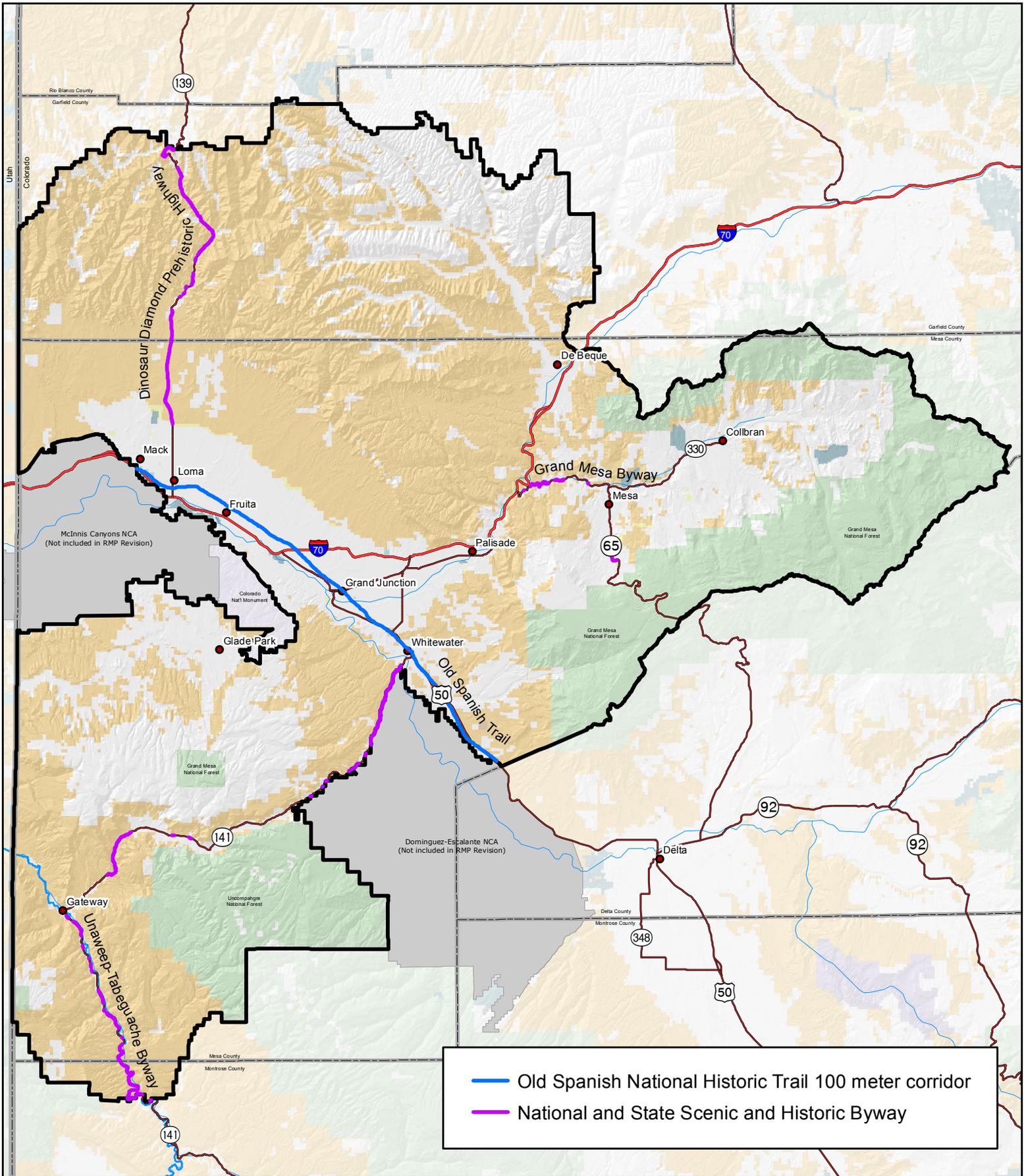
Source: BLM 2010a

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Oil Shale

Figure A-30



— Old Spanish National Historic Trail 100 meter corridor
— National and State Scenic and Historic Byway



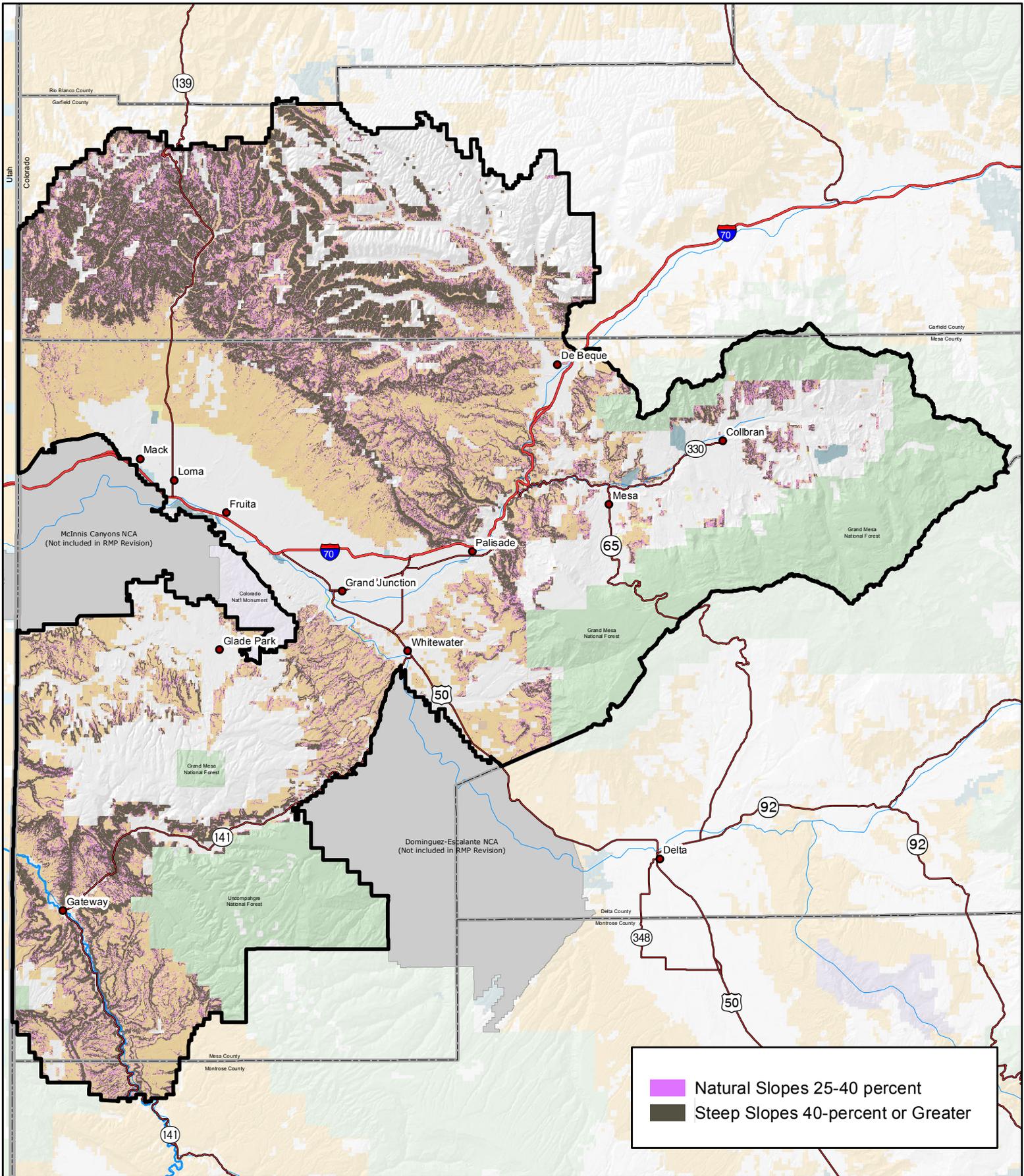
Source: BLM 2010a

National Scenic, Historic, and Recreational Trails and State and BLM Byways

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Figure A-31



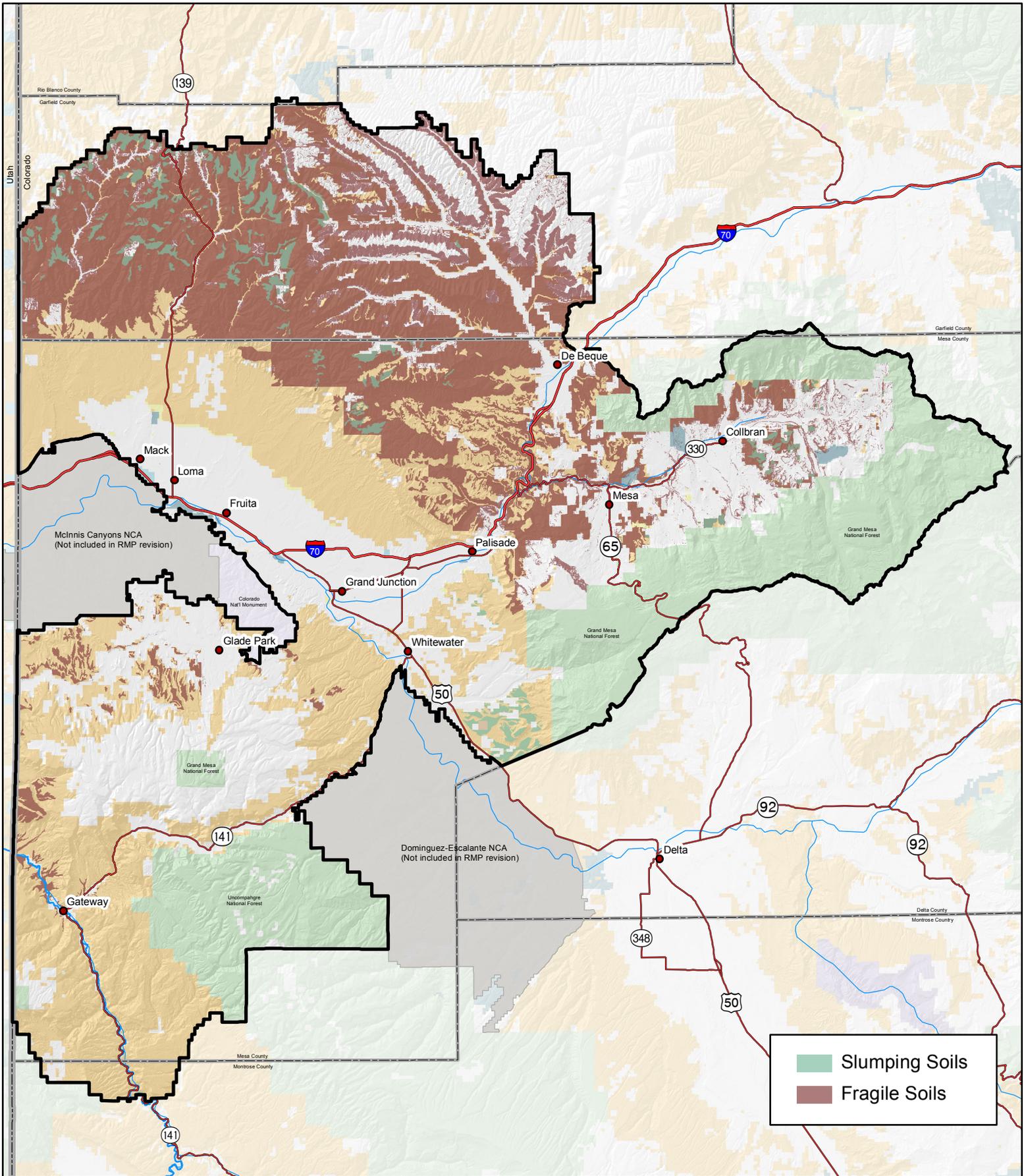
Source: 2010a

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Steep Slopes

Figure A3-1



	Slumping Soils
	Fragile Soils



Source: BLM 2010a

Fragile and Slumping Soils

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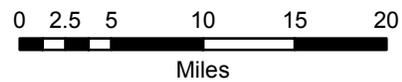
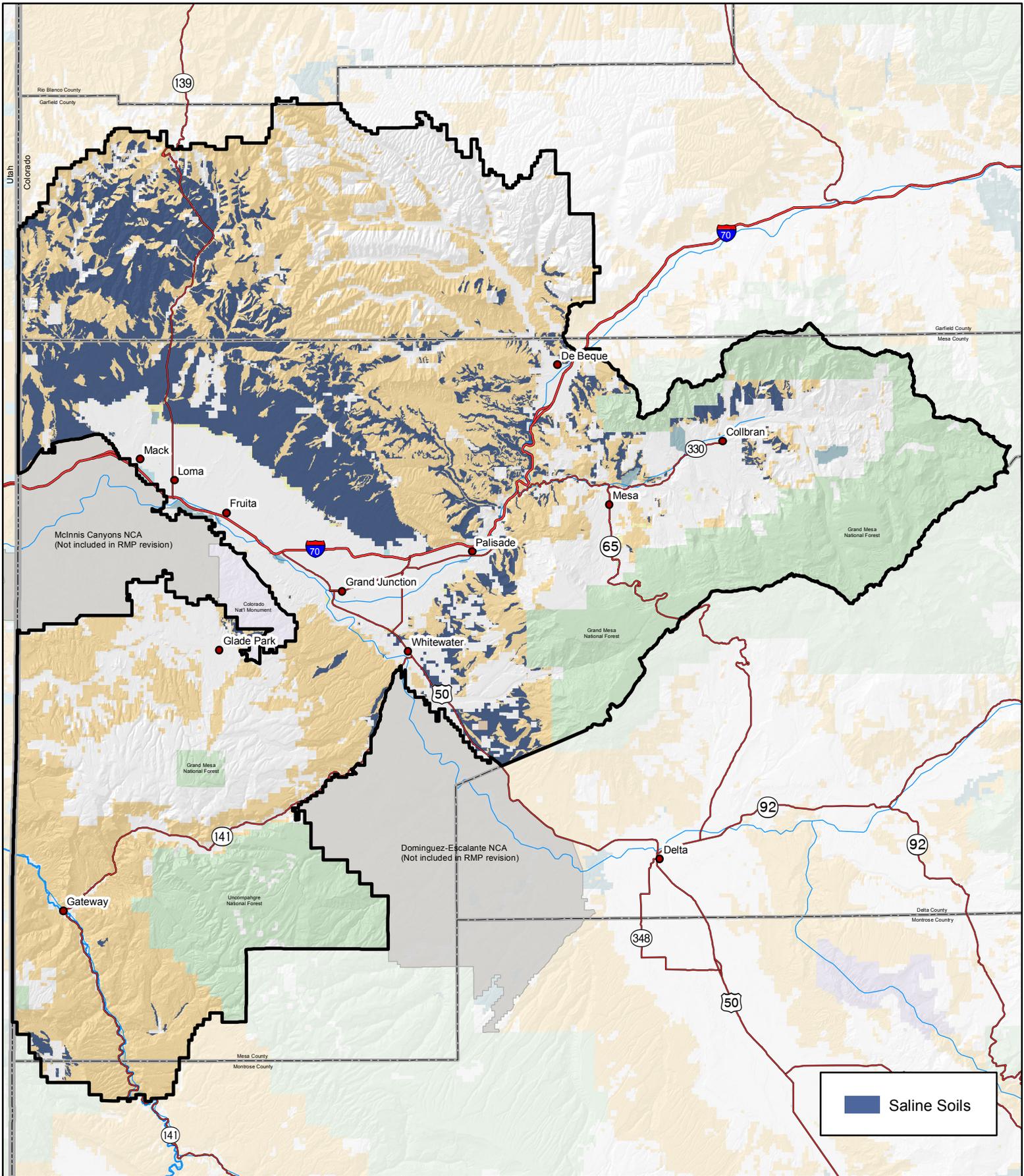


Figure A3-2



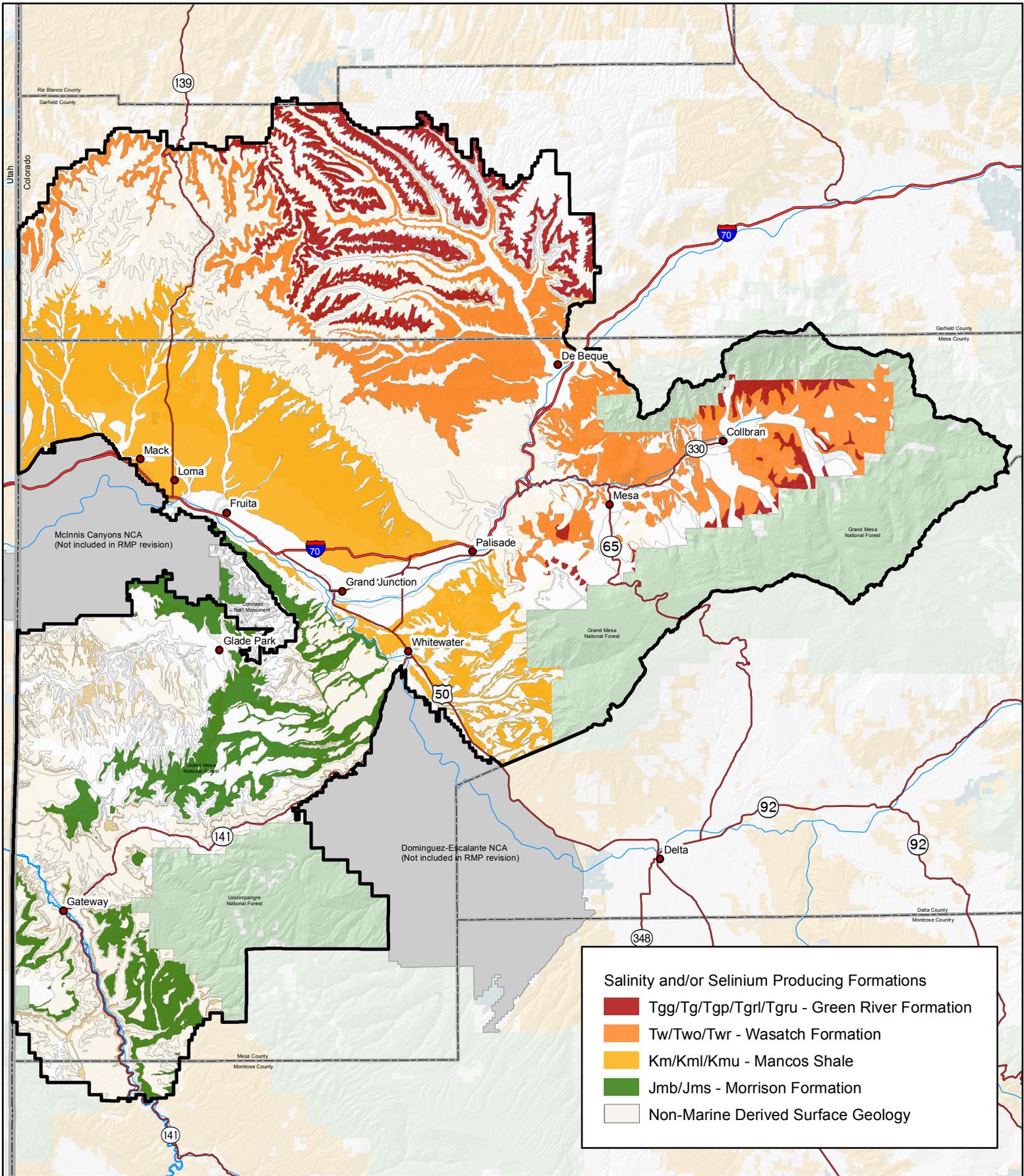
Source: BLM 2010a

Saline Soils

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Figure A3-3



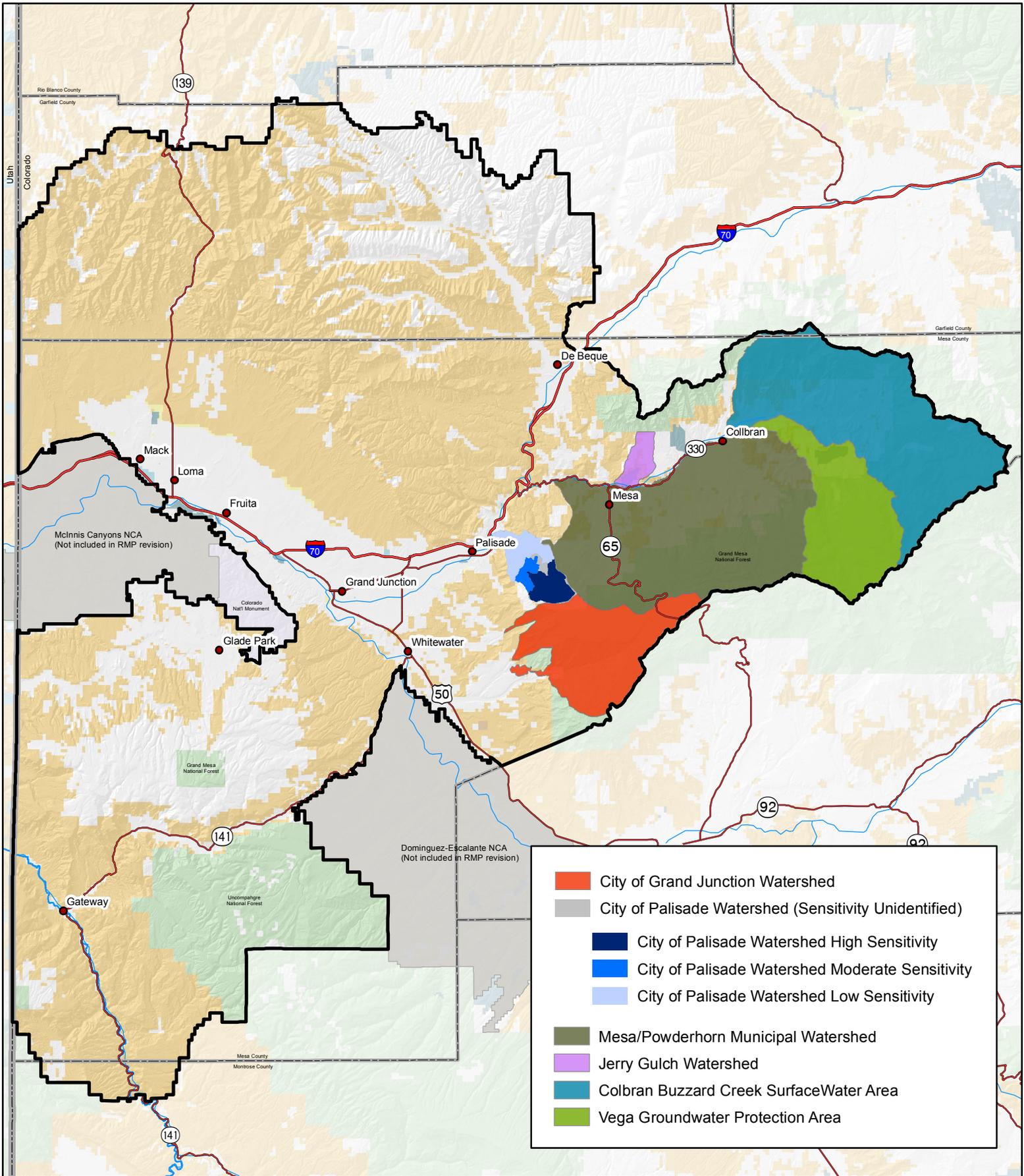
Source: BLM 2010a

Local Geologic Formations Affecting Water Quality

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Figure A3-4



	City of Grand Junction Watershed
	City of Palisade Watershed (Sensitivity Unidentified)
	City of Palisade Watershed High Sensitivity
	City of Palisade Watershed Moderate Sensitivity
	City of Palisade Watershed Low Sensitivity
	Mesa/Powderhorn Municipal Watershed
	Jerry Gulch Watershed
	Colbran Buzzard Creek SurfaceWater Area
	Vega Groundwater Protection Area



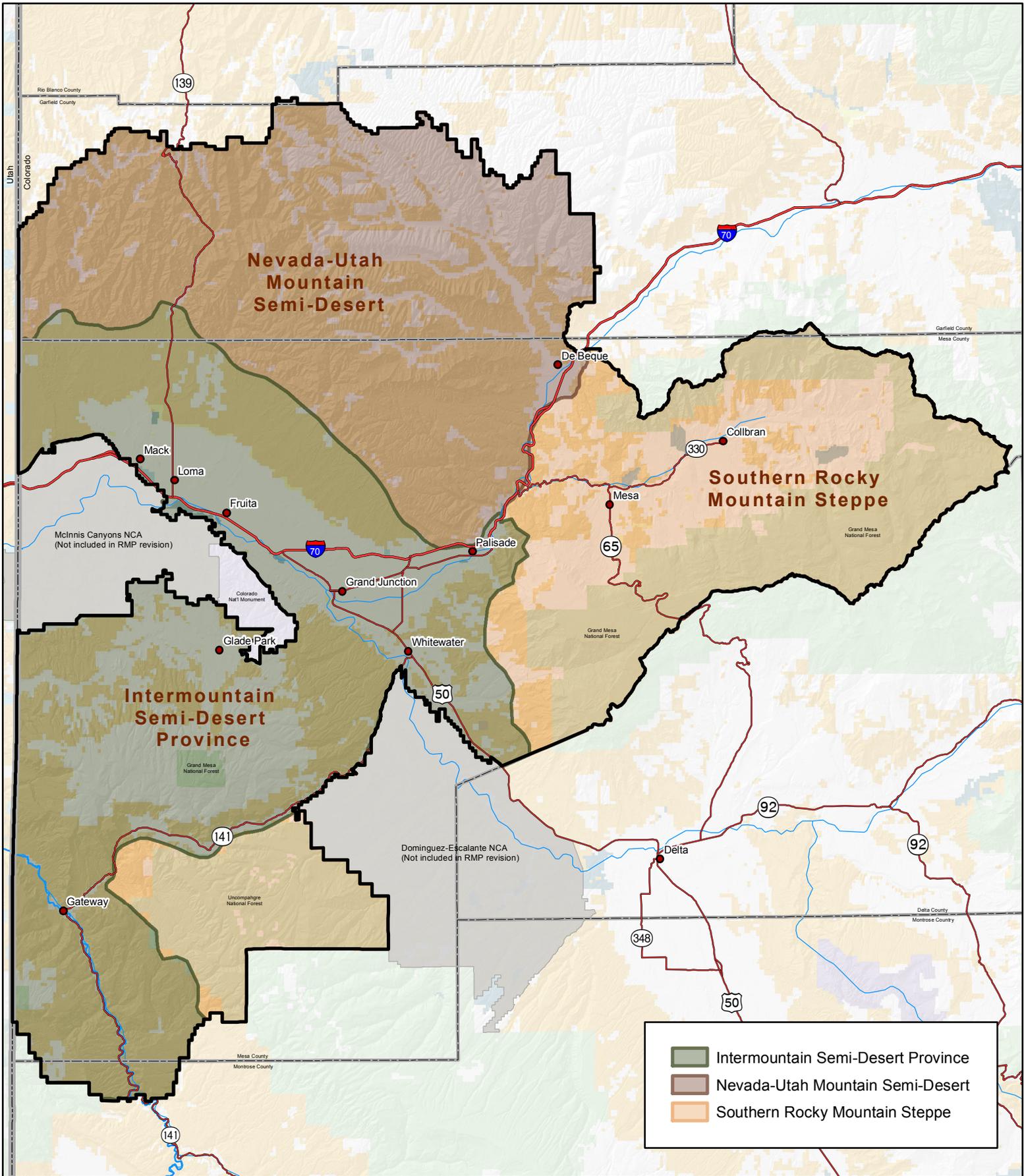
Source: BLM 2010a

Municipal Watersheds and Source Water Protection Areas

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Figure A3-5



	Intermountain Semi-Desert Province
	Nevada-Utah Mountain Semi-Desert
	Southern Rocky Mountain Steppe



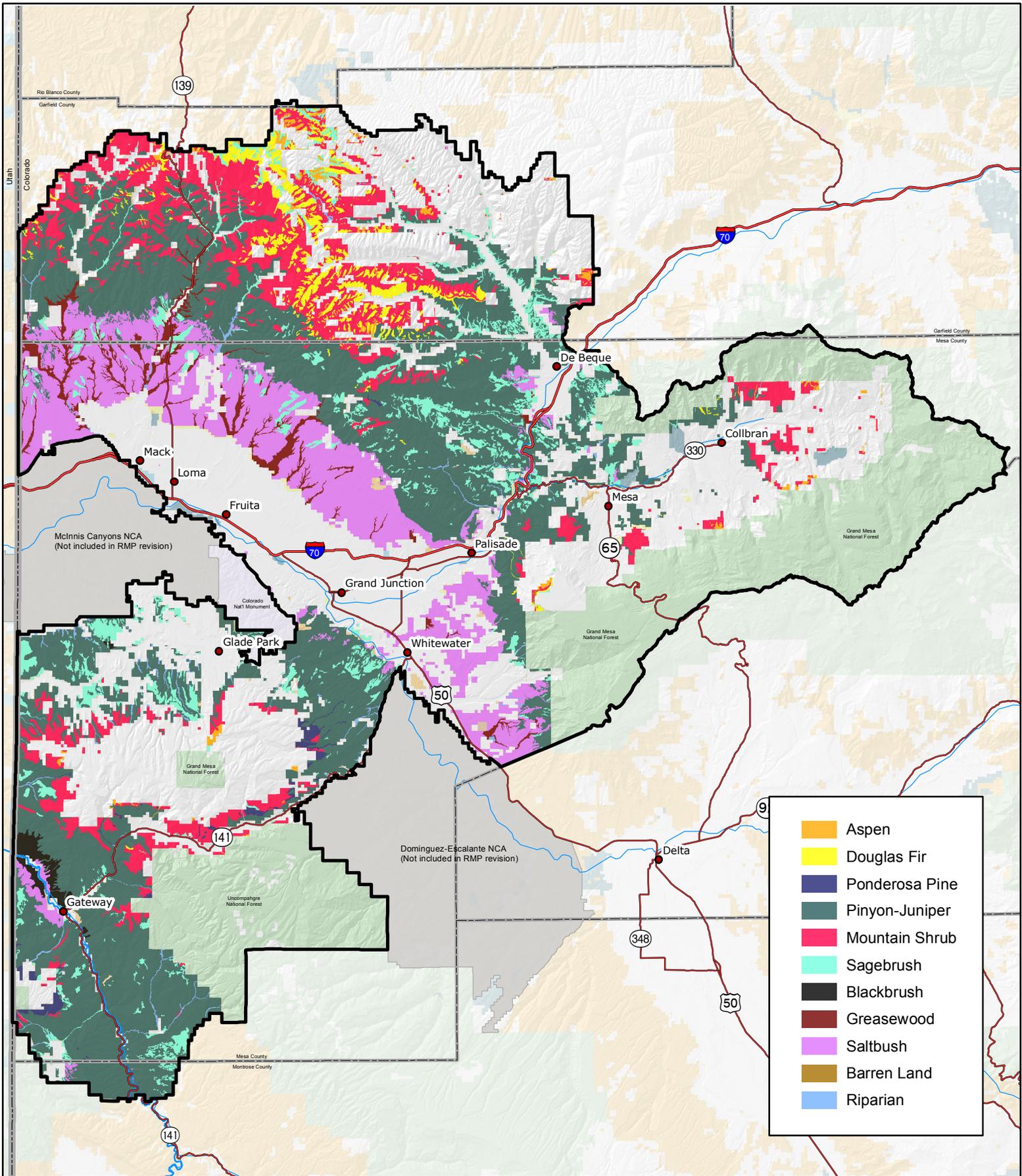
Source: BLM 2010a

Ecoregions

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Figure A3-6



	Aspen
	Douglas Fir
	Ponderosa Pine
	Pinyon-Juniper
	Mountain Shrub
	Sagebrush
	Blackbrush
	Greasewood
	Saltbush
	Barren Land
	Riparian



Source: BLM 2010a

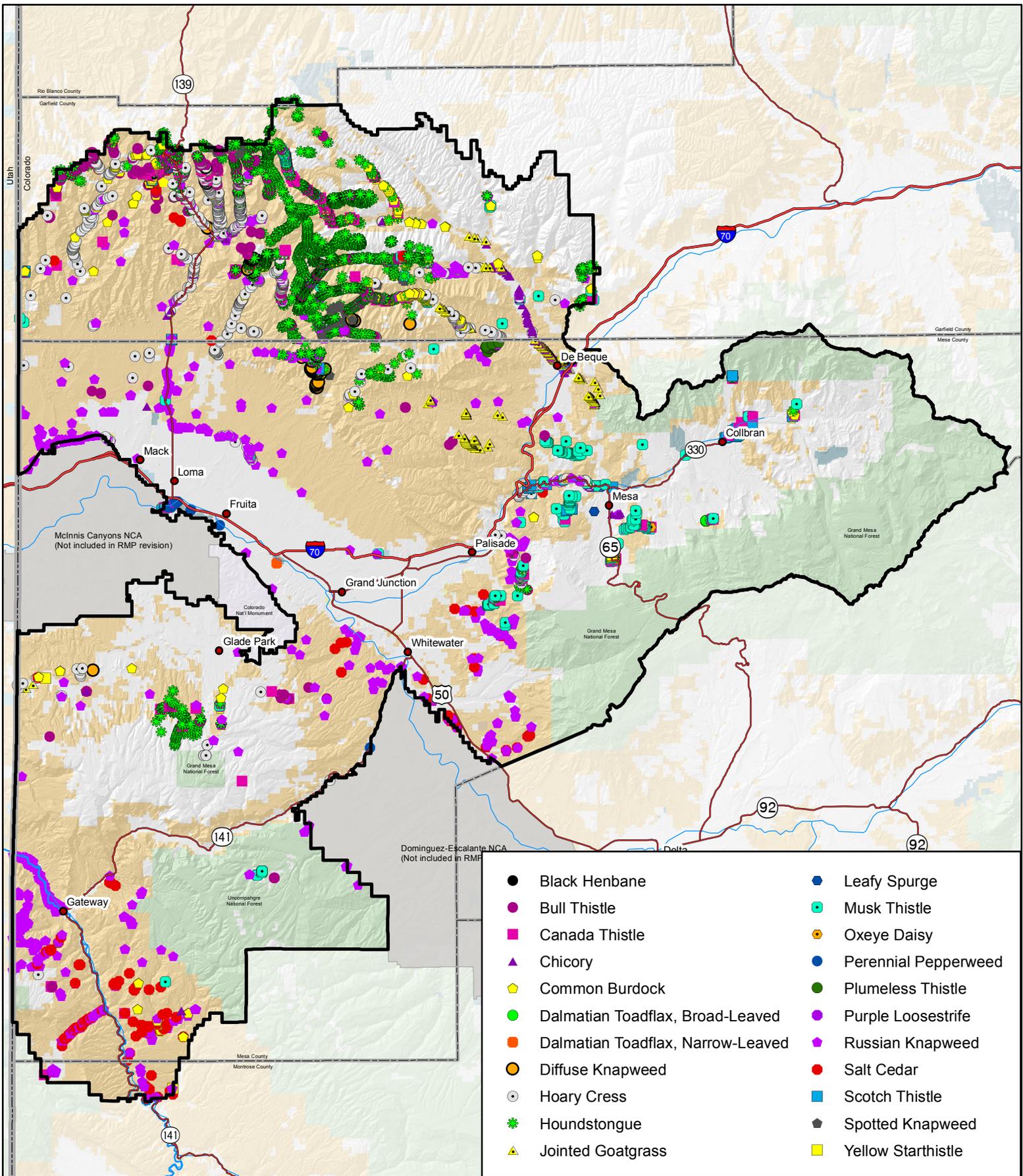


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Major Vegetation Groups



Figure A3-7



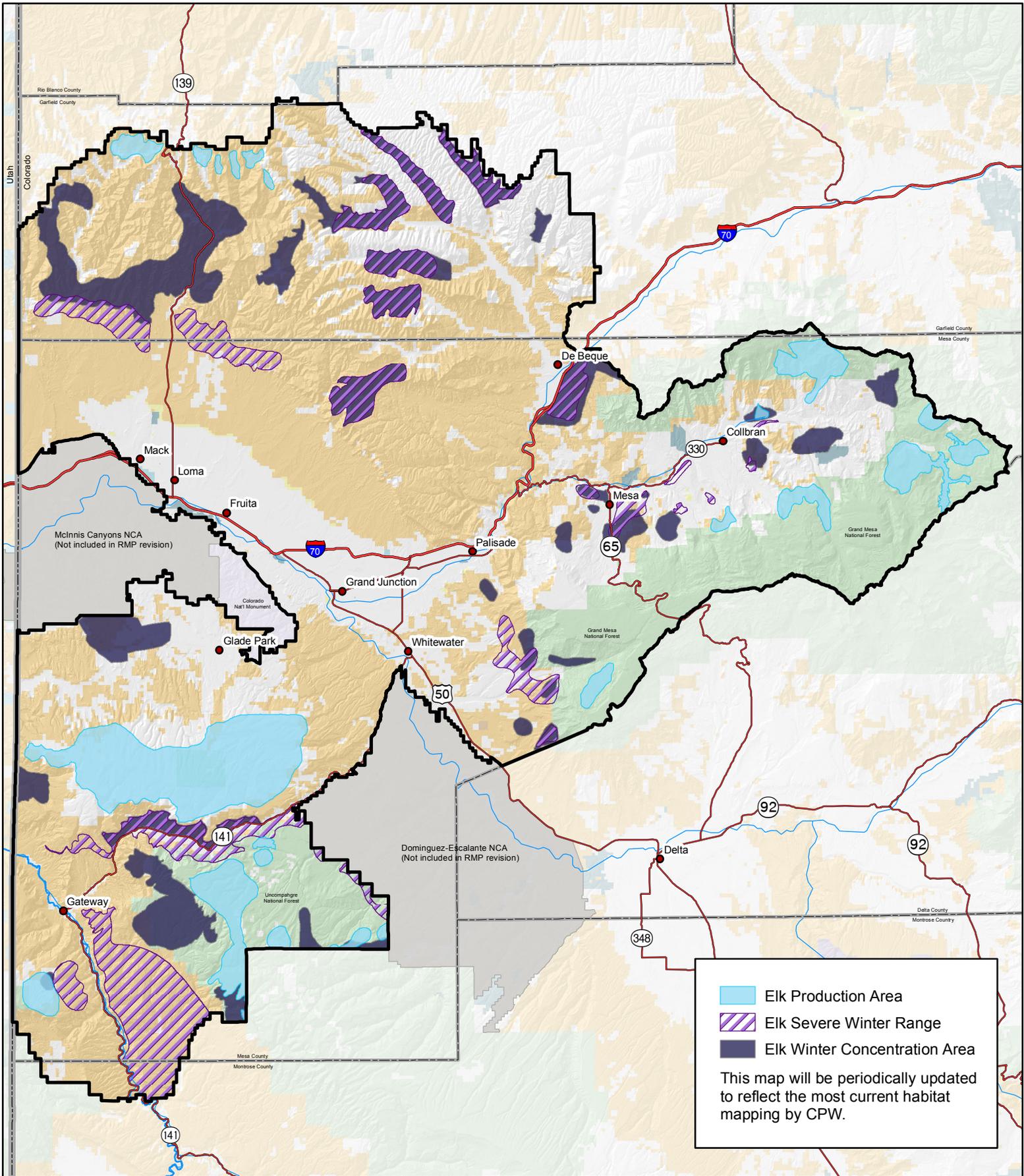
Source: BLM 2010a

Noxious Weeds: All Species Surveyed Since 2000

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Figure A3-8



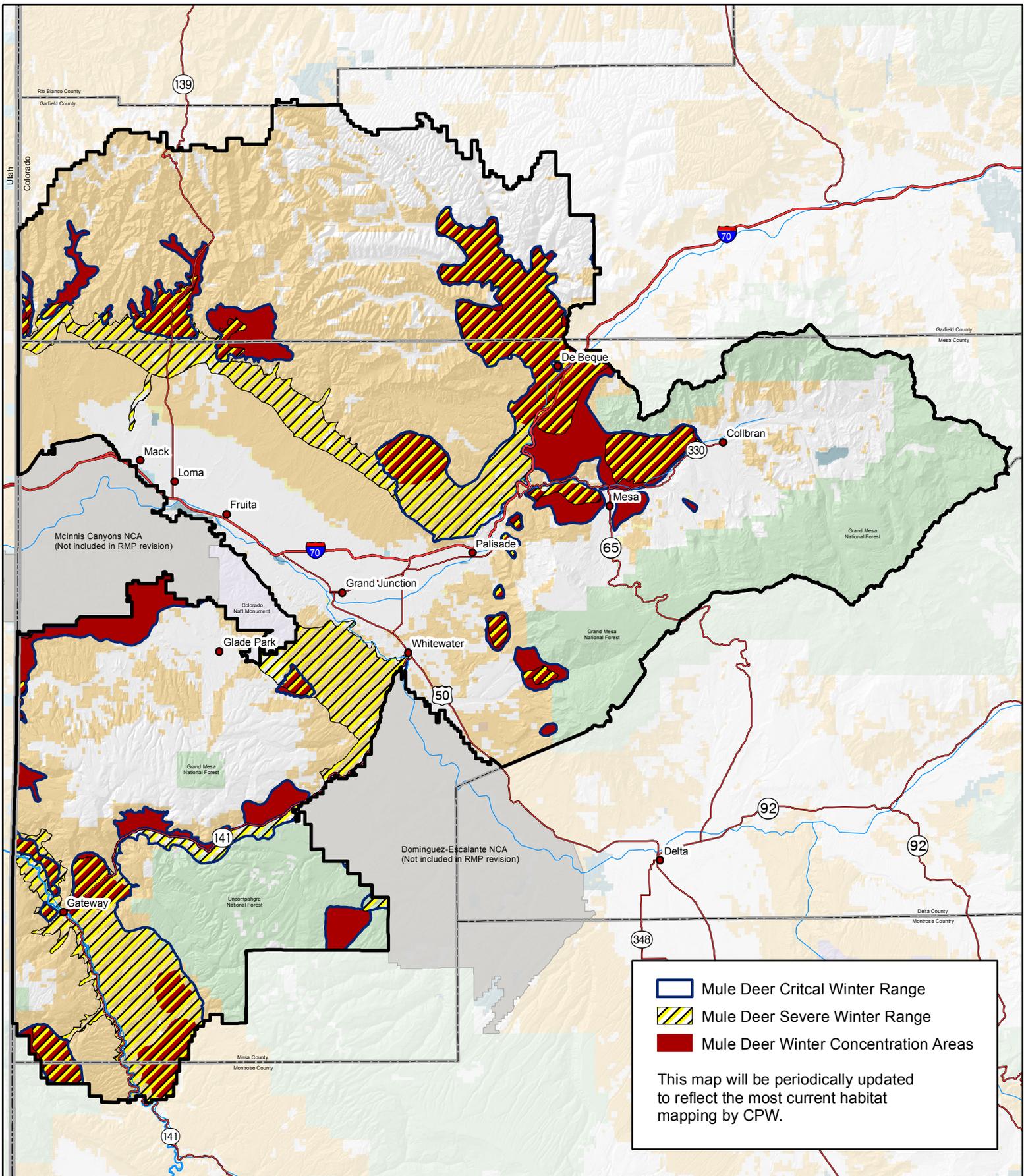
Source: BLM 2010a

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Elk Range

Figure A3-9



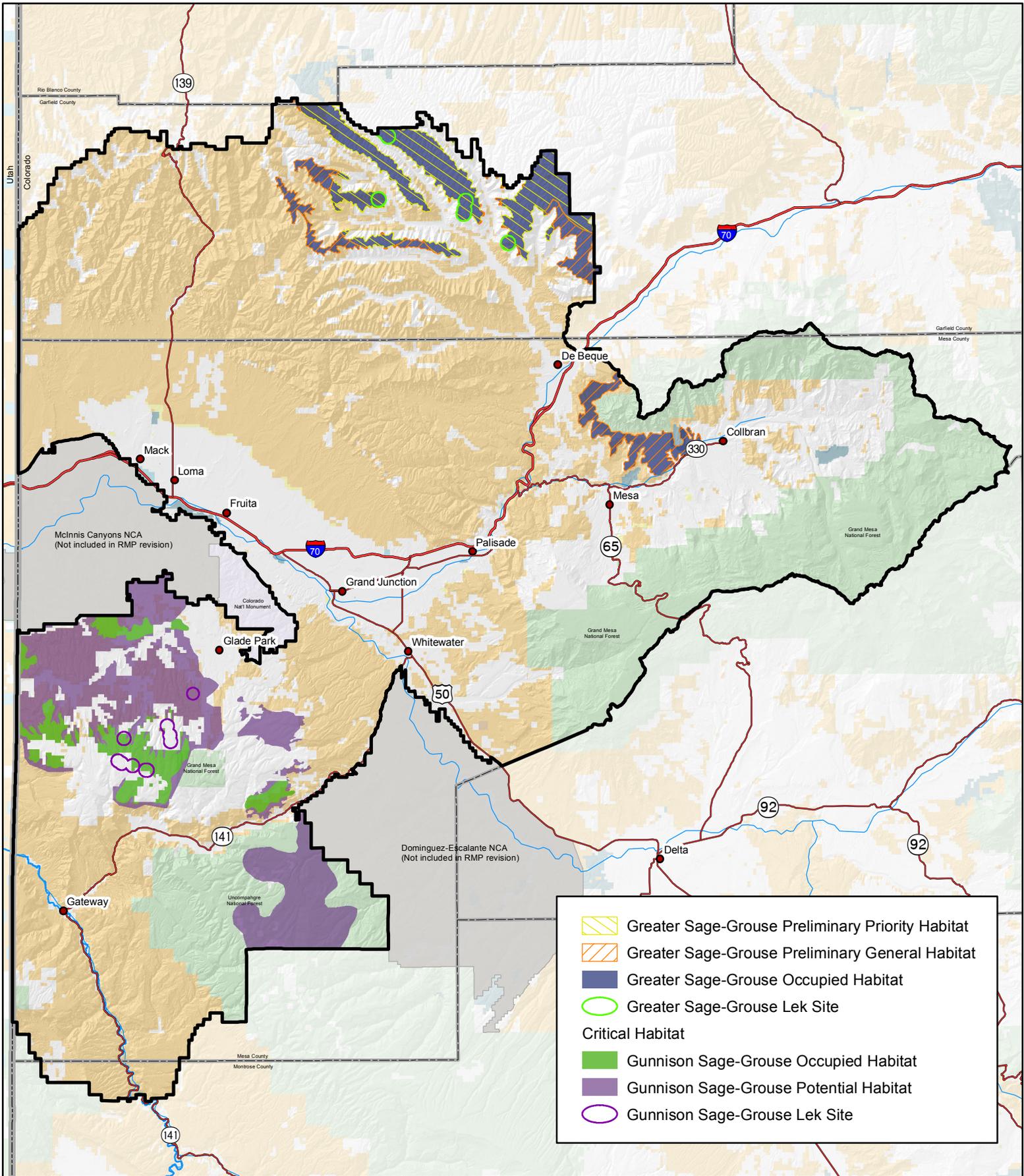
Source: BLM 2010a

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Mule Deer Range

Figure A3-10



	Greater Sage-Grouse Preliminary Priority Habitat
	Greater Sage-Grouse Preliminary General Habitat
	Greater Sage-Grouse Occupied Habitat
	Greater Sage-Grouse Lek Site
Critical Habitat	
	Gunnison Sage-Grouse Occupied Habitat
	Gunnison Sage-Grouse Potential Habitat
	Gunnison Sage-Grouse Lek Site



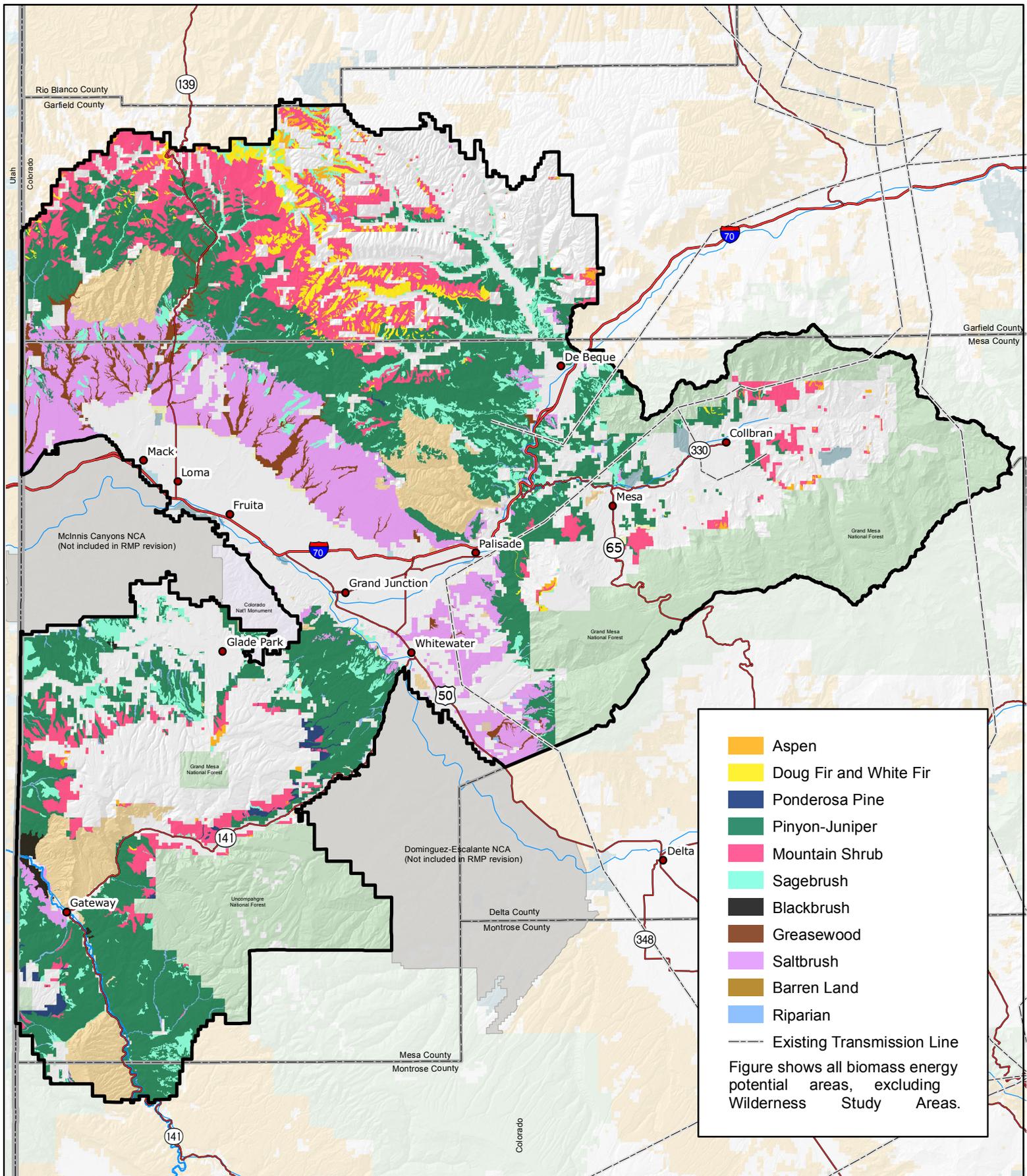
Source: BLM 2010a

Sage-Grouse Habitat

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Figure A3-11



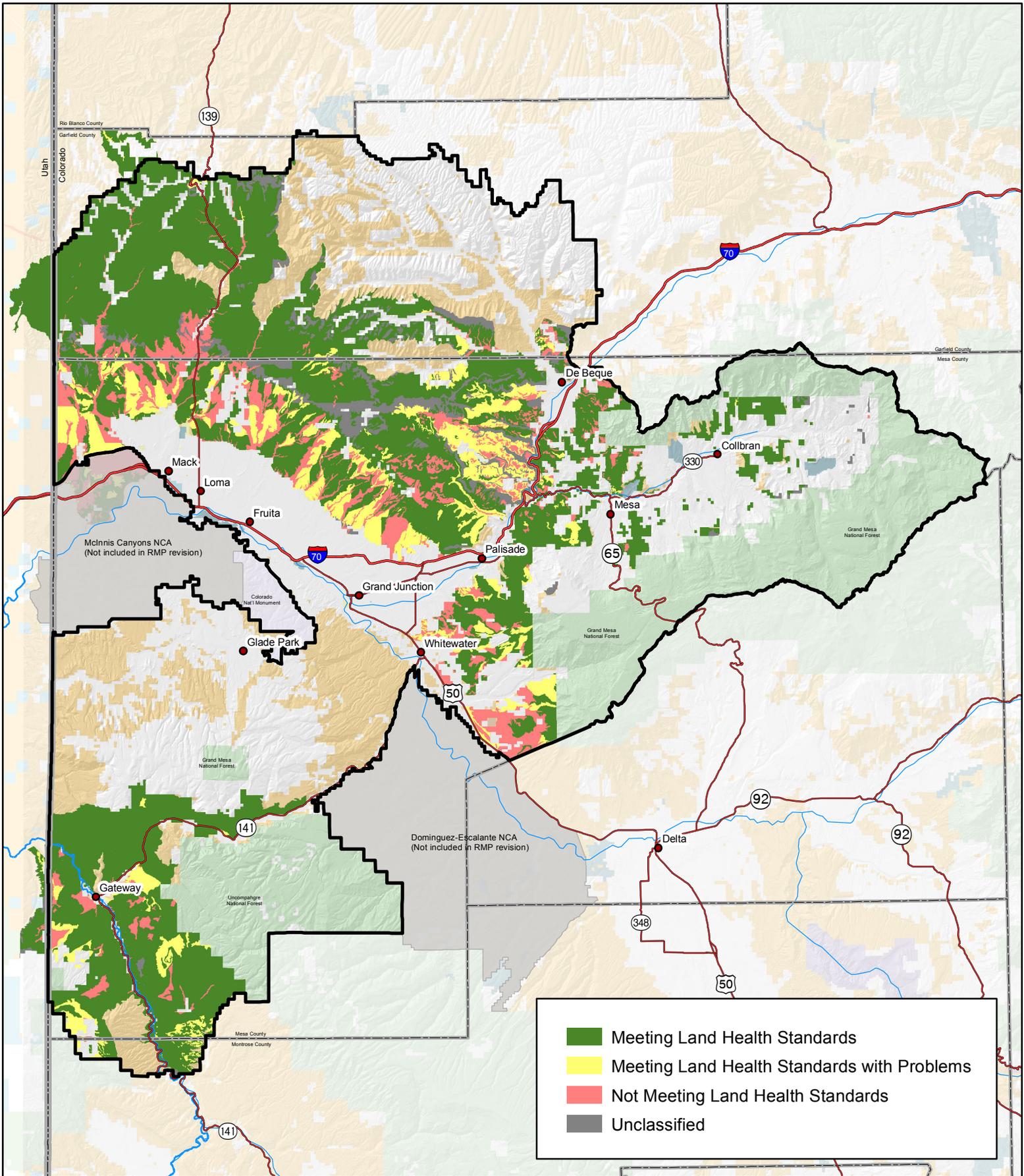
Source: BLM 2010a

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Biomass Energy Potential



Figure A3-12



	Meeting Land Health Standards
	Meeting Land Health Standards with Problems
	Not Meeting Land Health Standards
	Unclassified

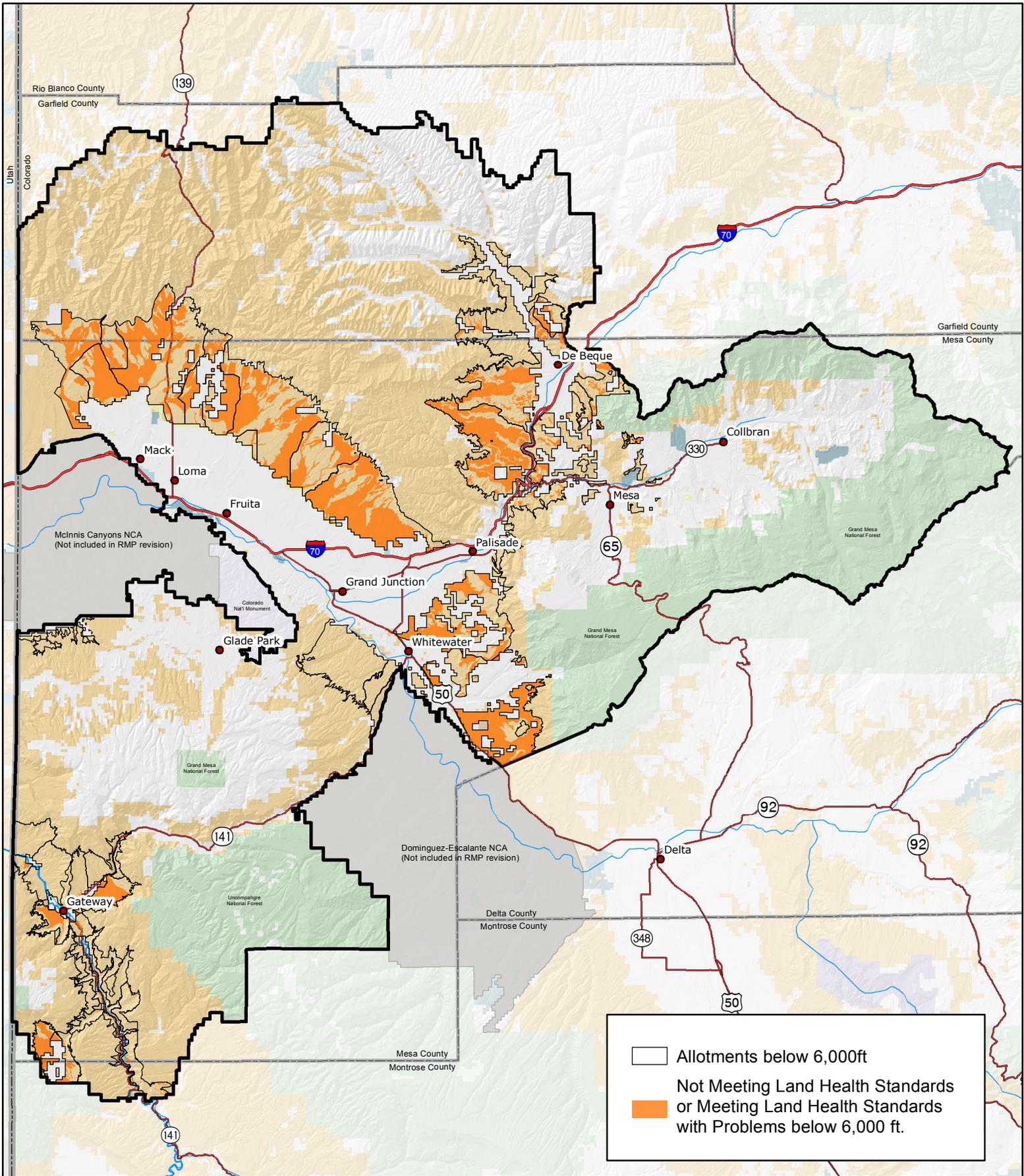


Source: BLM 2010a

BLM Land Health Assessments

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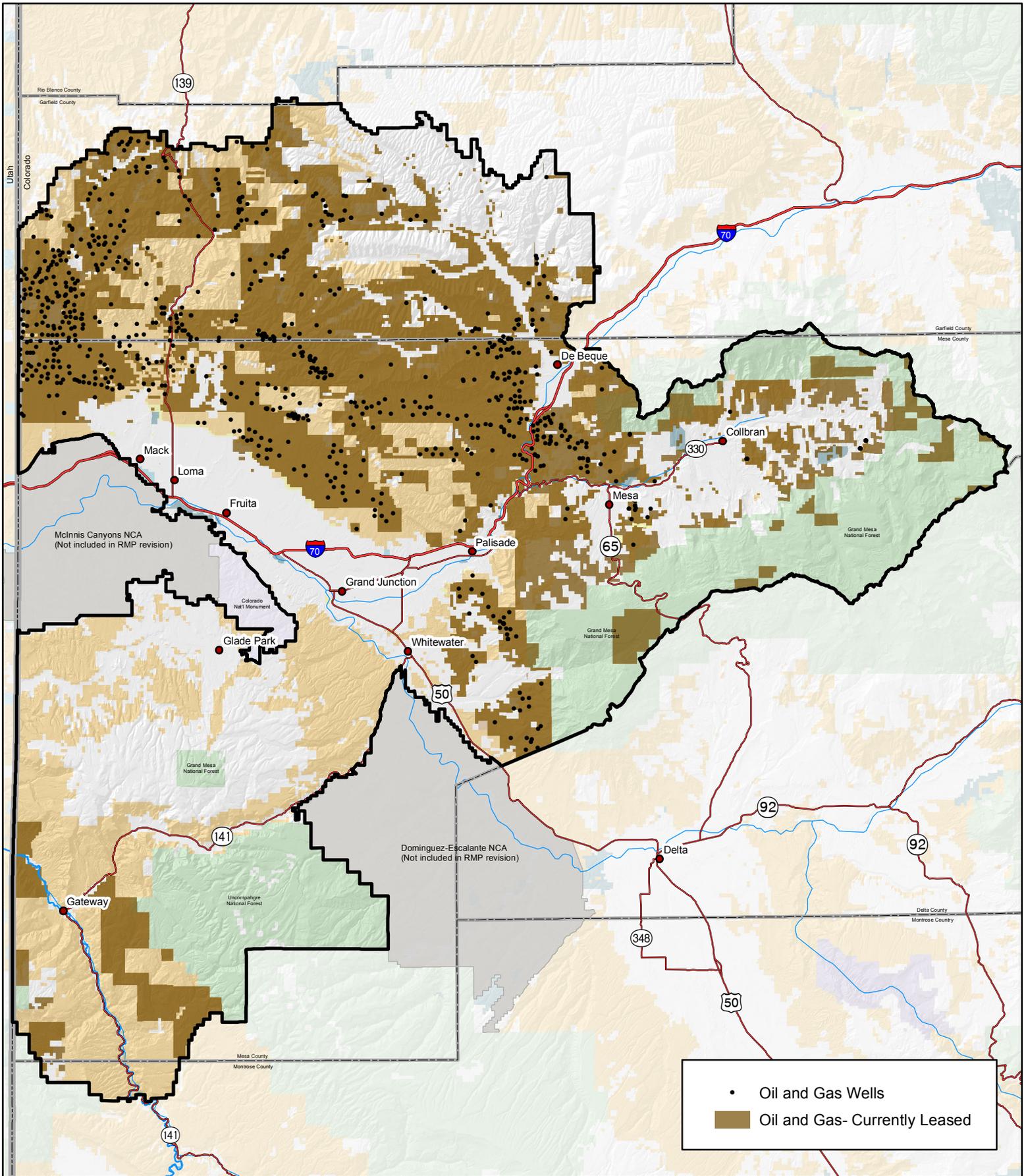
Source: BLM 2010a

Land Health Assessment Below 6,000 Feet

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Figure A3-14



- Oil and Gas Wells
- Oil and Gas- Currently Leased



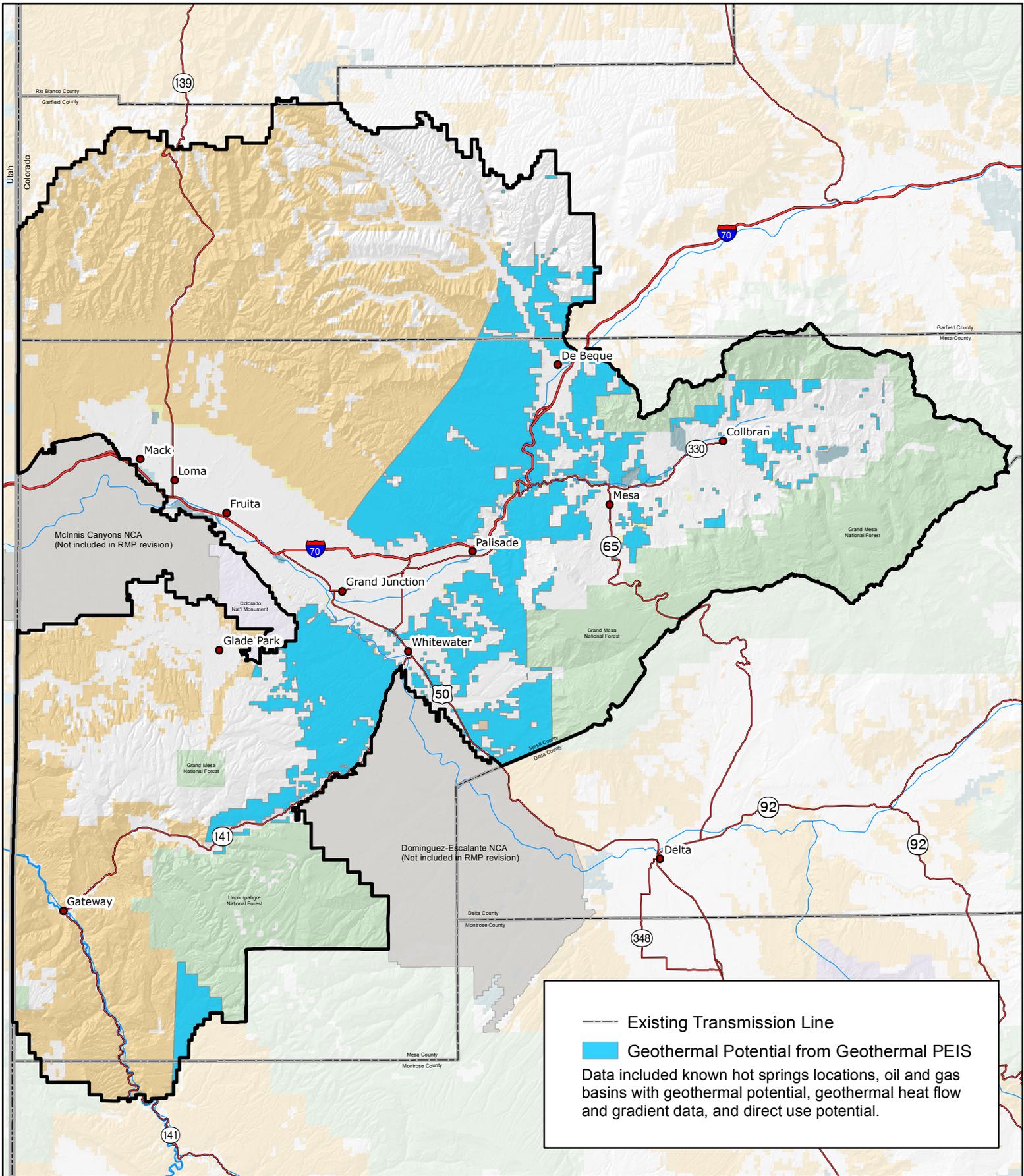
Source: BLM 2010a

Oil and Gas - Leases and Wells

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Figure A3-15



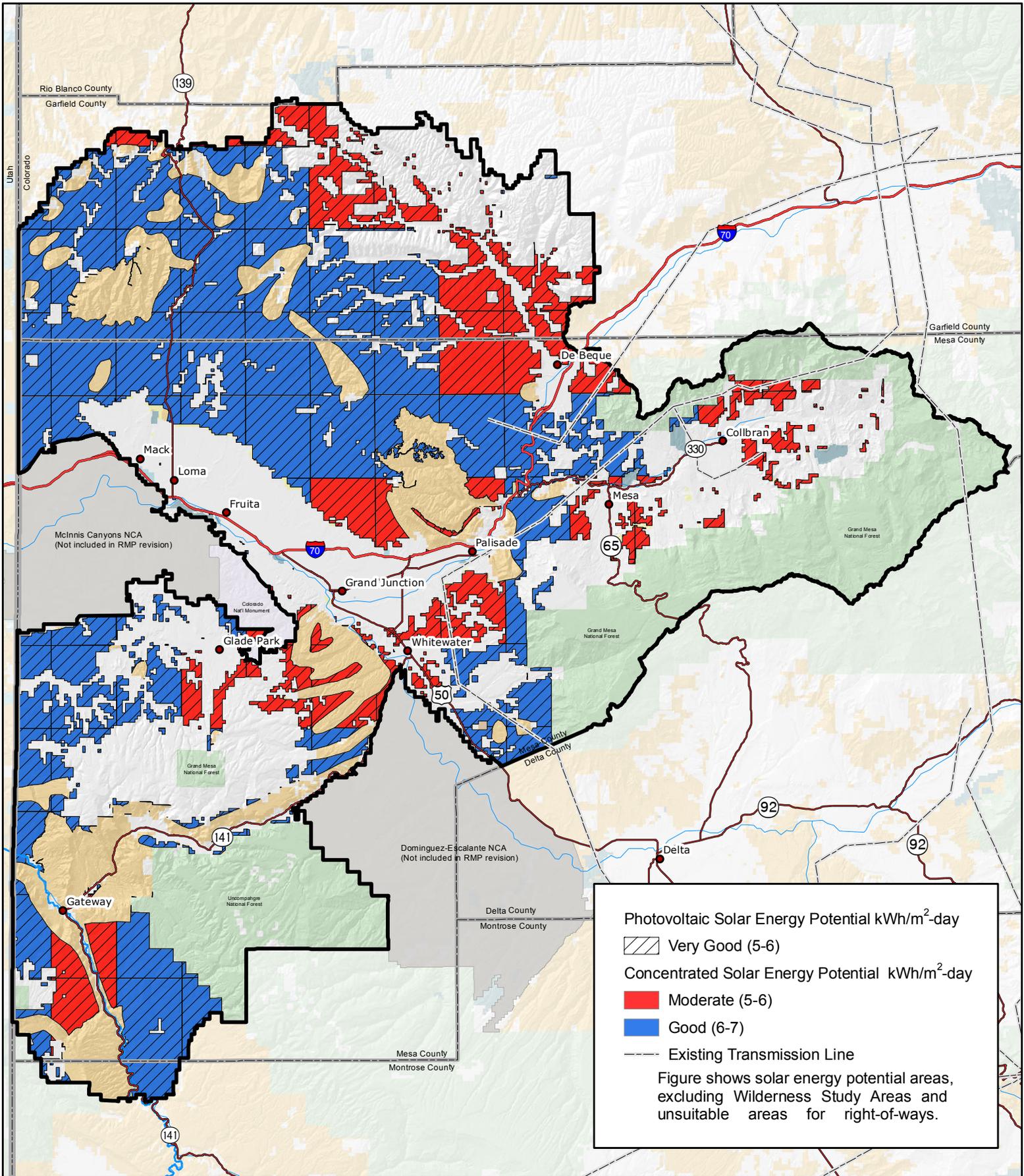
Source: BLM 2010a

Geothermal Energy Potential

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Figure A3-16



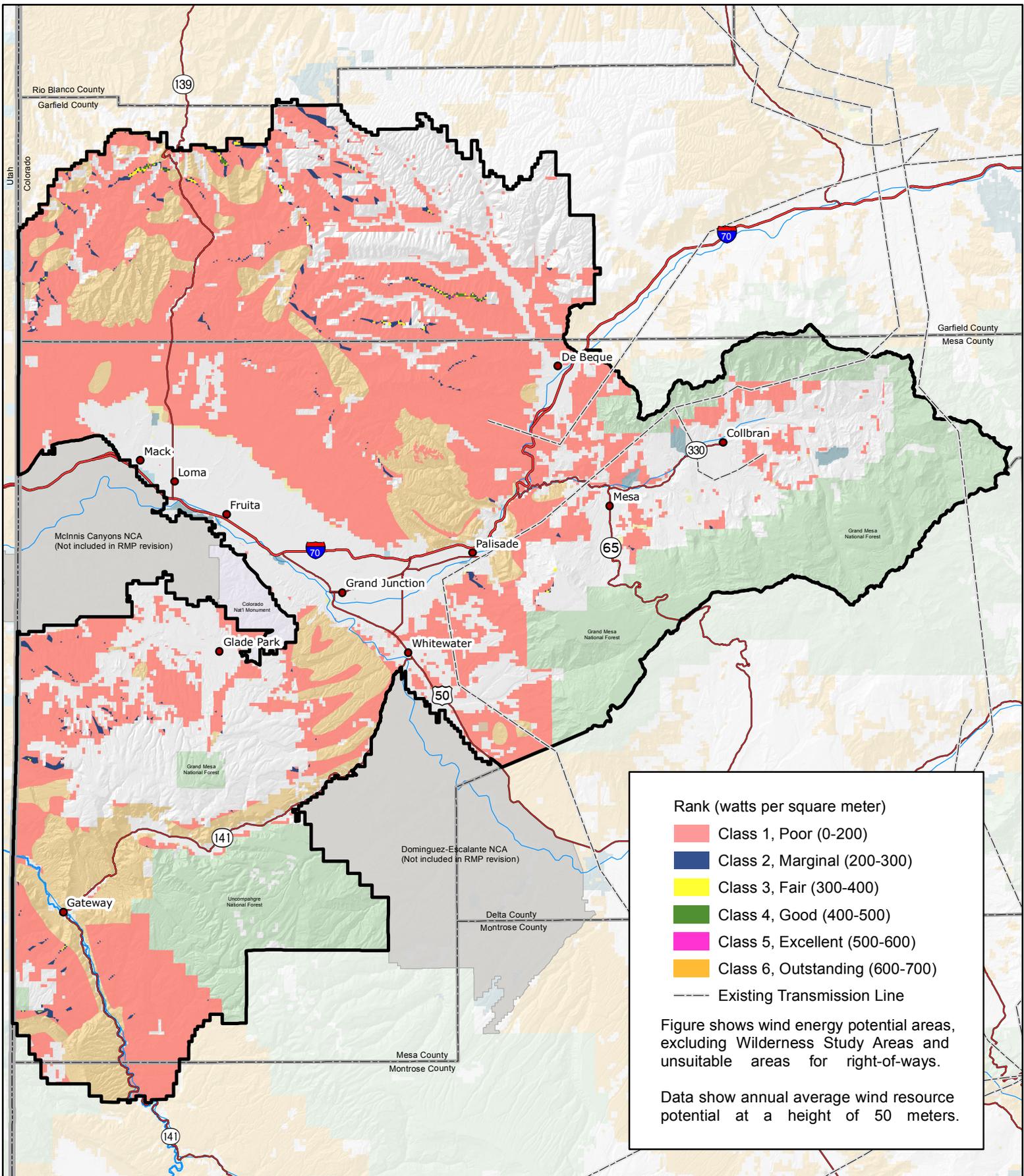
Source: BLM 2010a

Solar Energy Potential

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Figure A3-17



Source: BLM 2010a

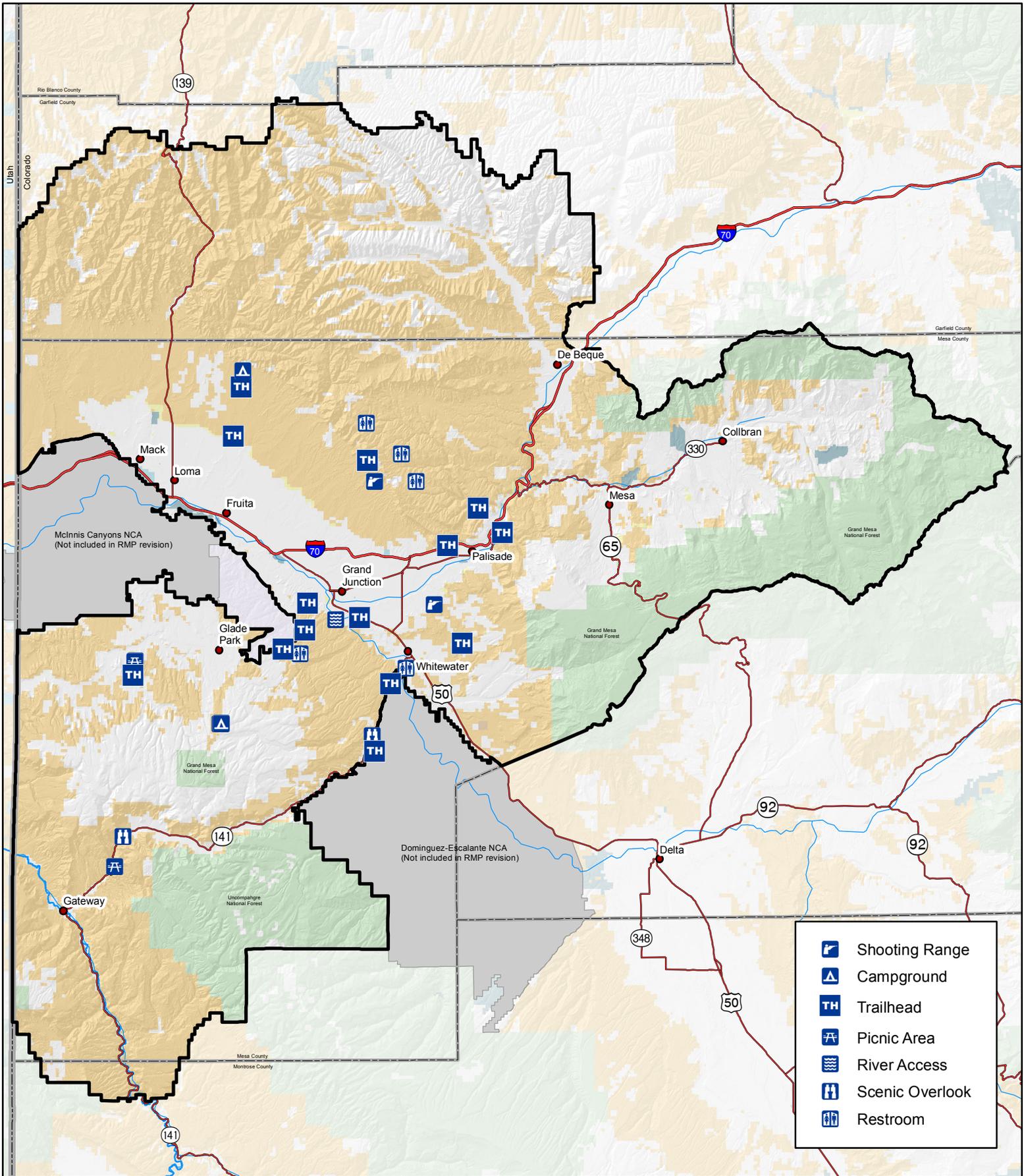


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Wind Energy Potential



Figure A3-18



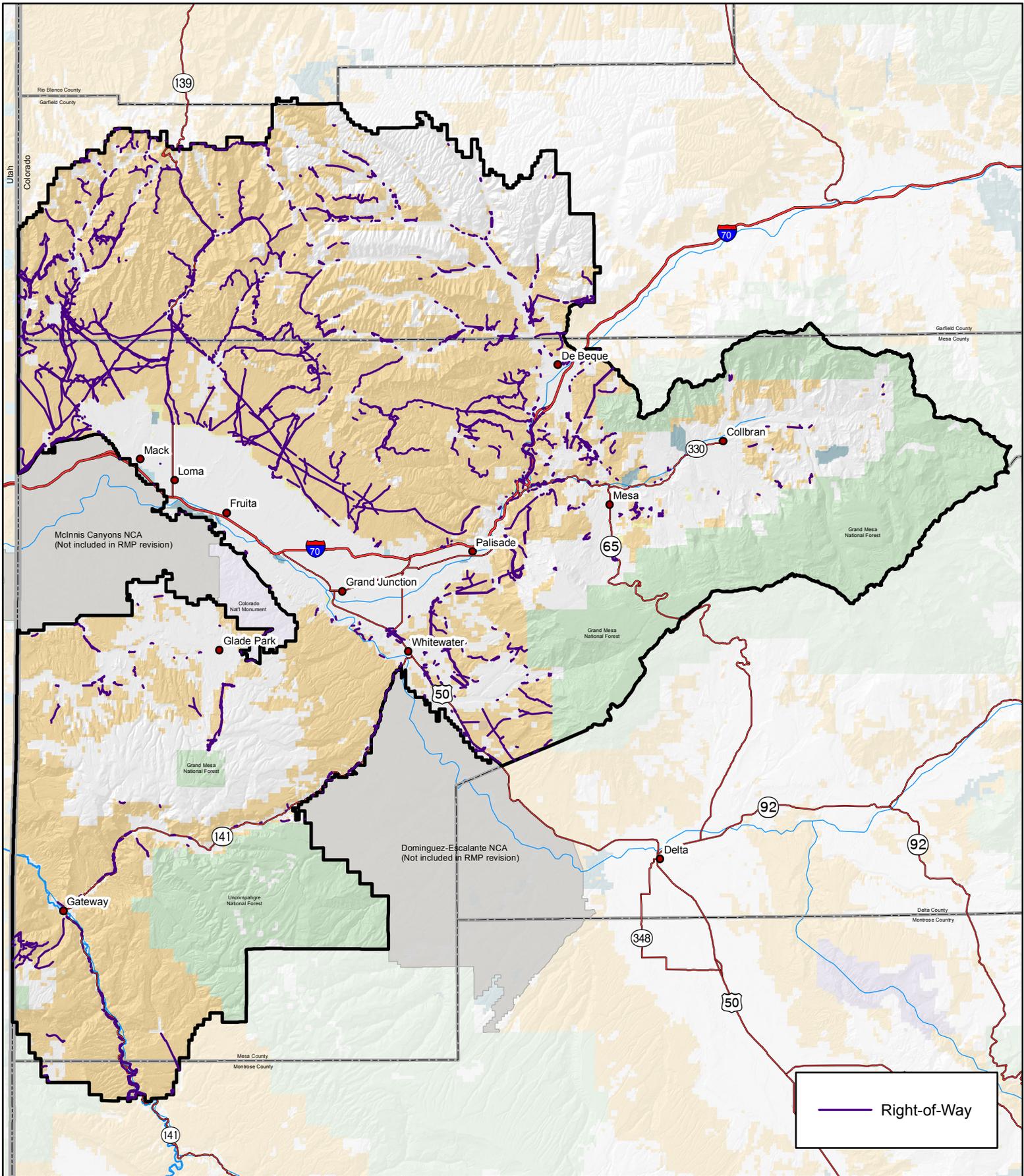
Source: BLM 2010a

Developed Recreation Sites

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Figure A3-19



Source: BLM 2010a

Right-of-Way Locations

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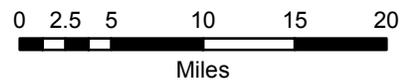
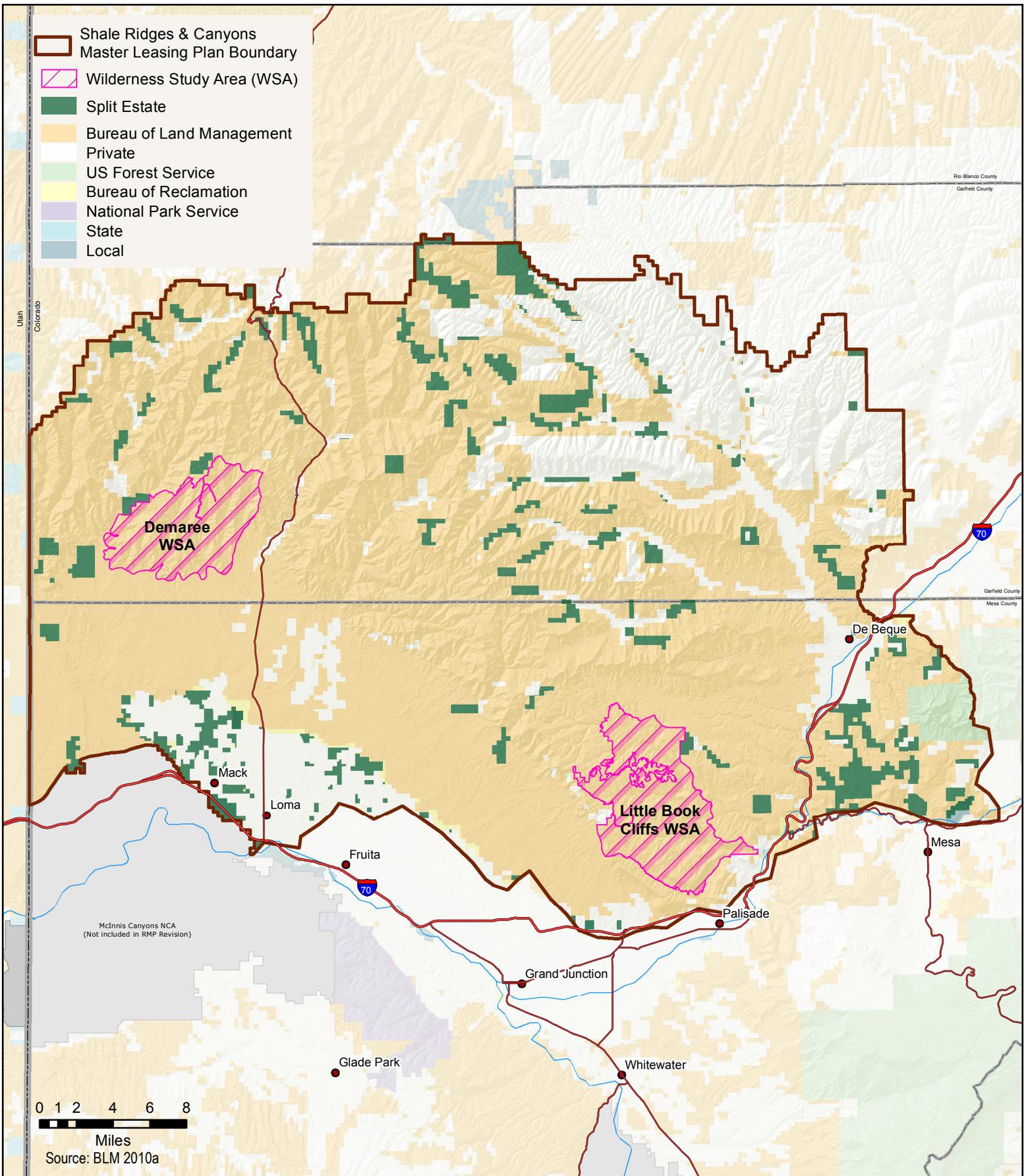


Figure A3-20

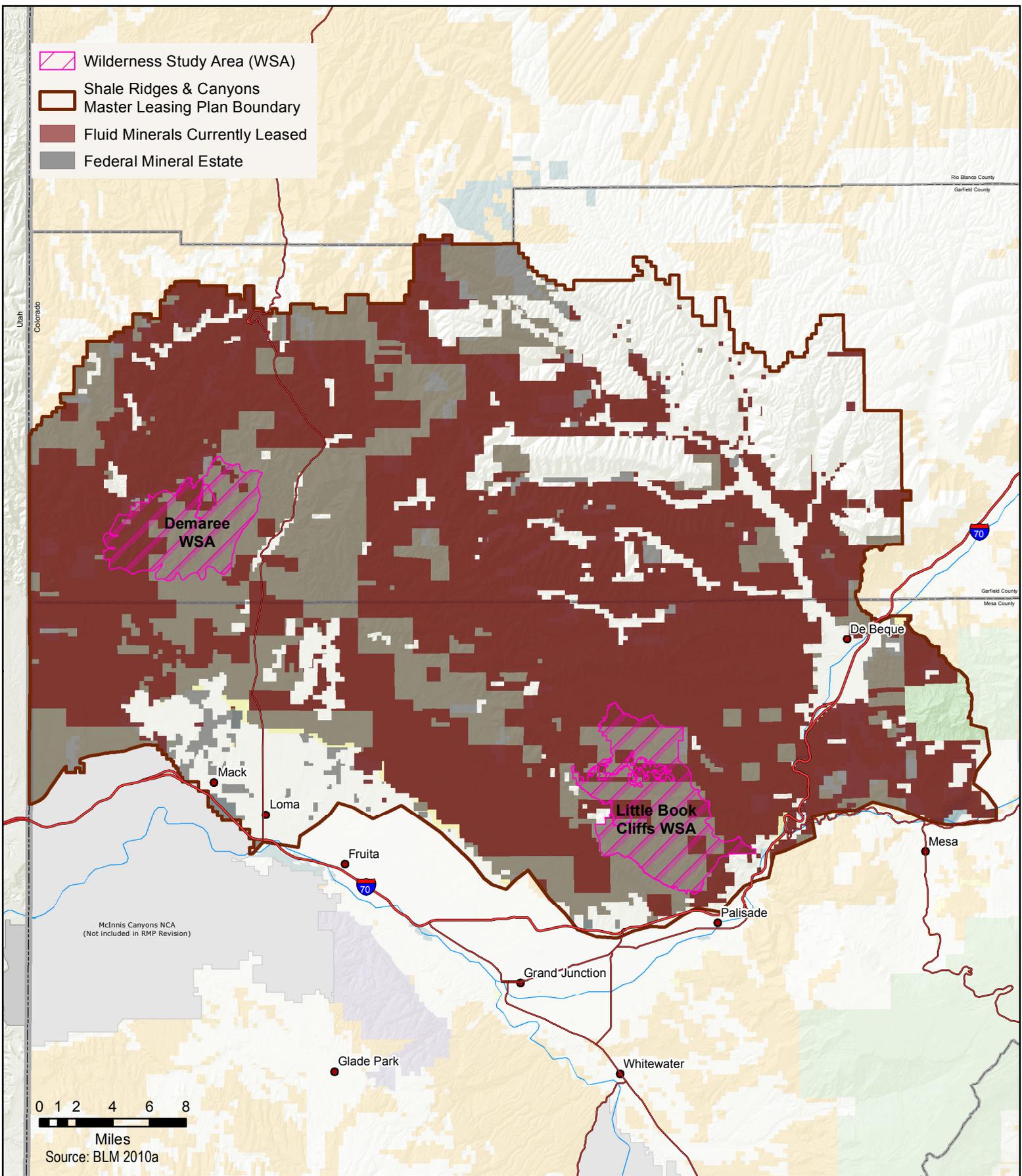


Master Leasing Plan Surface Management and Split Estate

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Figure A3-21

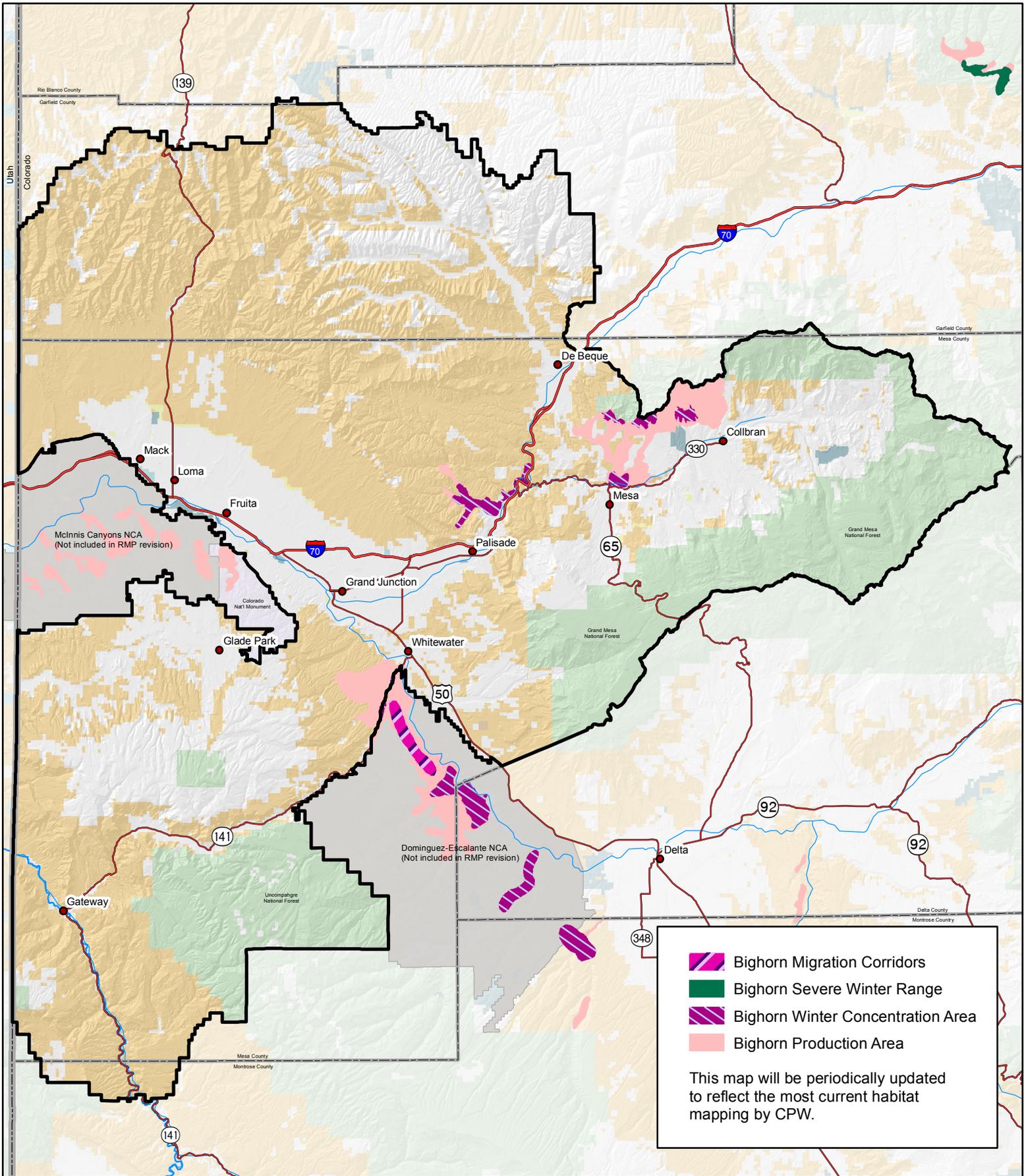
-  Wilderness Study Area (WSA)
-  Shale Ridges & Canyons Master Leasing Plan Boundary
-  Fluid Minerals Currently Leased
-  Federal Mineral Estate



Master Leasing Plan Oil and Gas Leases

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Figure A3-22



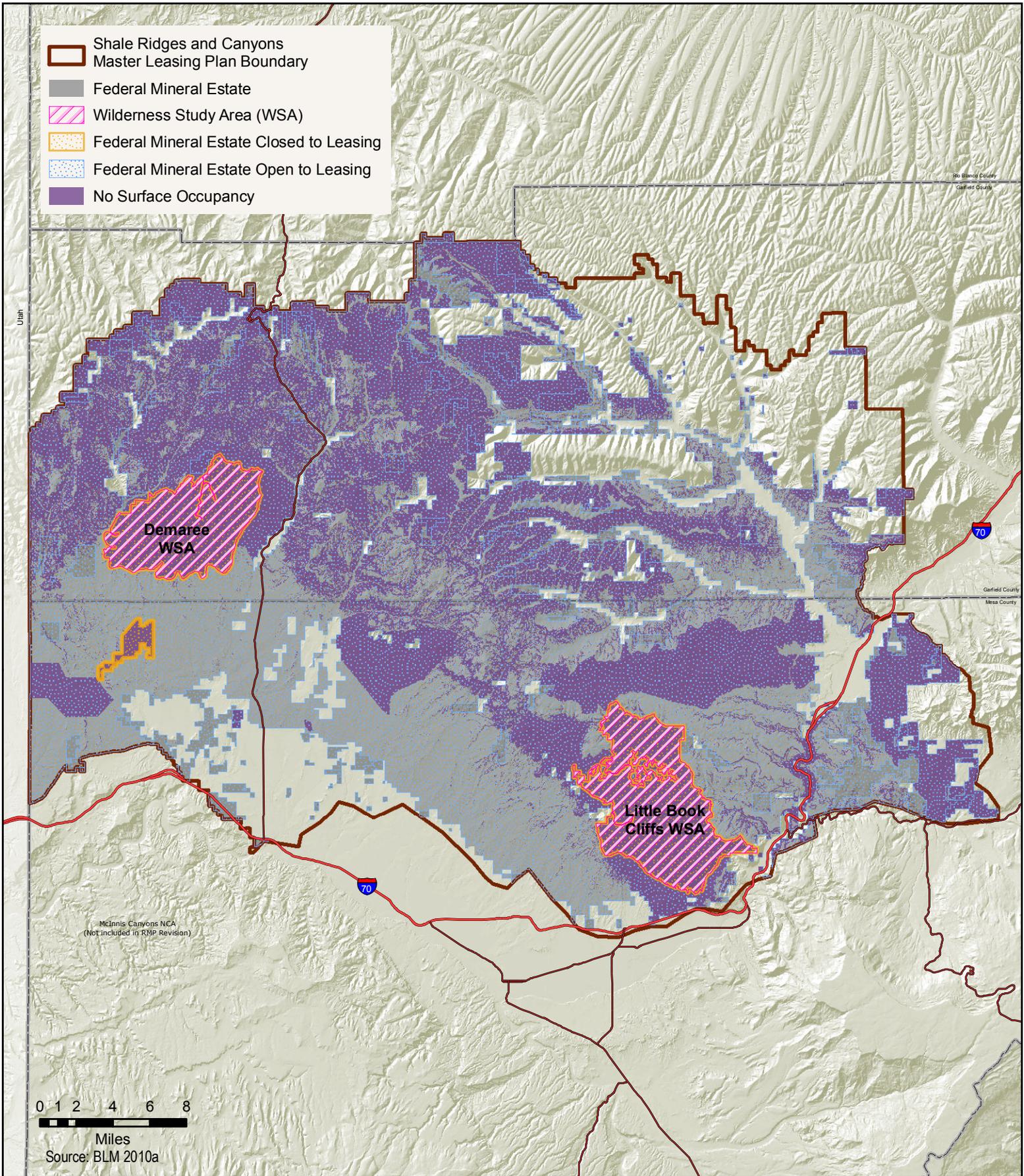
Source: BLM 2010a

Bighorn Sheep

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Figure A3-23

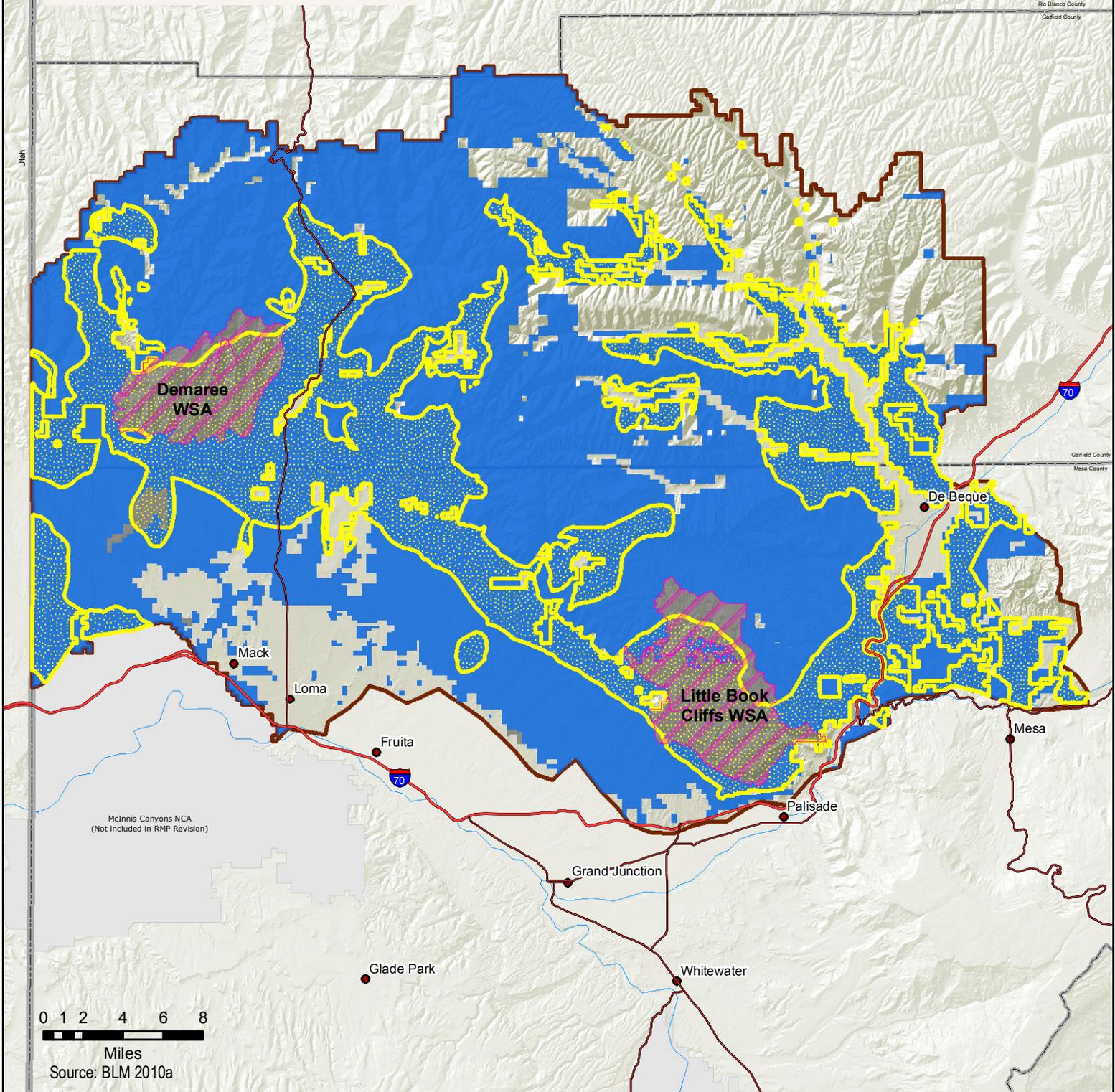


Master Leasing Plan No Surface Occupancy

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Figure A4-2

-  Shale Ridges and Canyons
-  Master Leasing Plan Boundary
-  Wilderness Study Area (WSA)
-  Federal Mineral Estate Closed to Leasing
-  Federal Mineral Estate Open to Leasing
-  Timing Limitations



0 1 2 4 6 8
Miles

Source: BLM 2010a

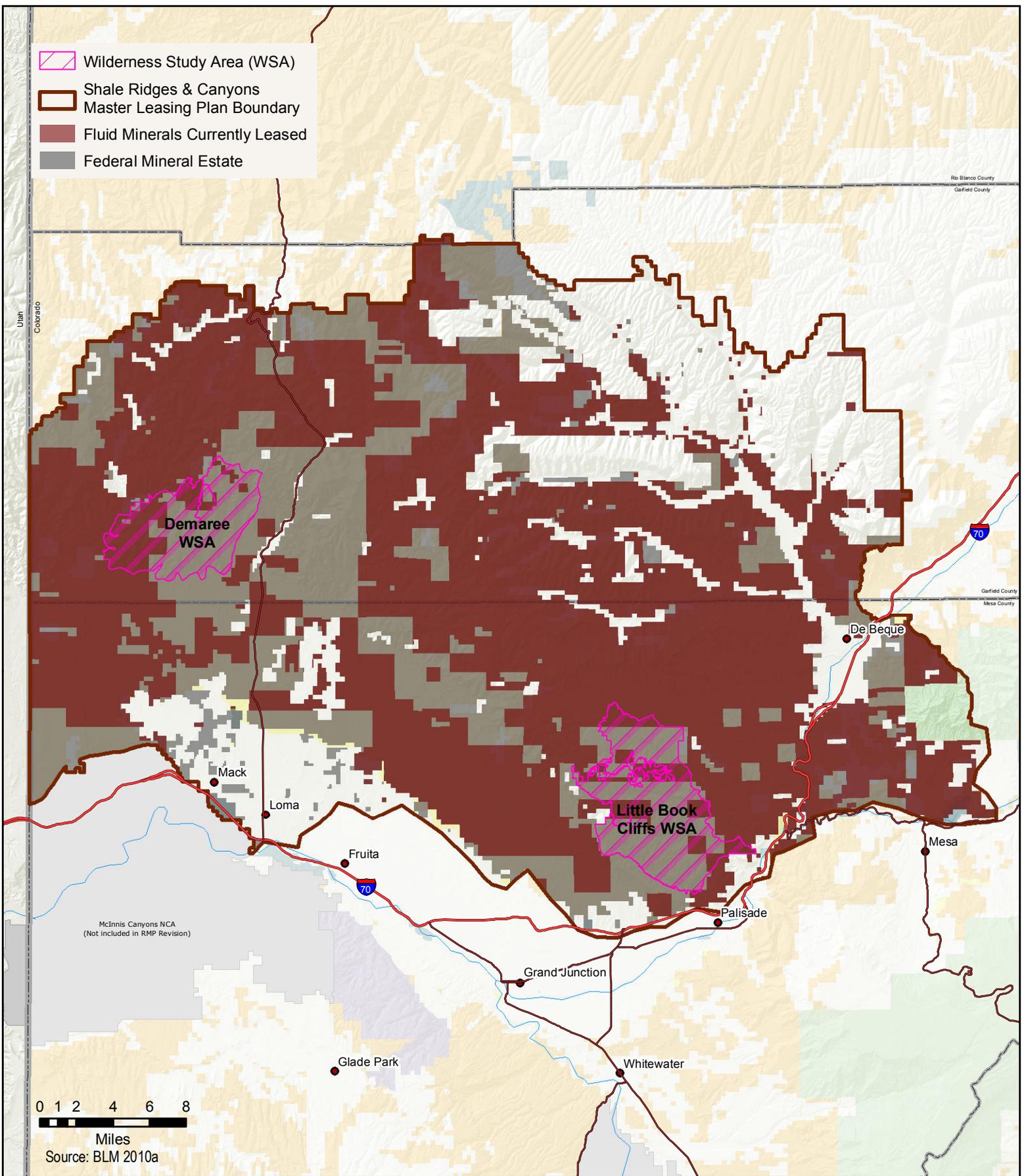


Master Leasing Plan Timing Limitations

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Figure A4-4

-  Wilderness Study Area (WSA)
-  Shale Ridges & Canyons Master Leasing Plan Boundary
-  Fluid Minerals Currently Leased
-  Federal Mineral Estate



0 1 2 4 6 8
 Miles
 Source: BLM 2010a



Current Oil and Gas Leases and Proposed Fluid Mineral Leasing

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Figure A4-8