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MAP CD

Map Number	Topic	Title	
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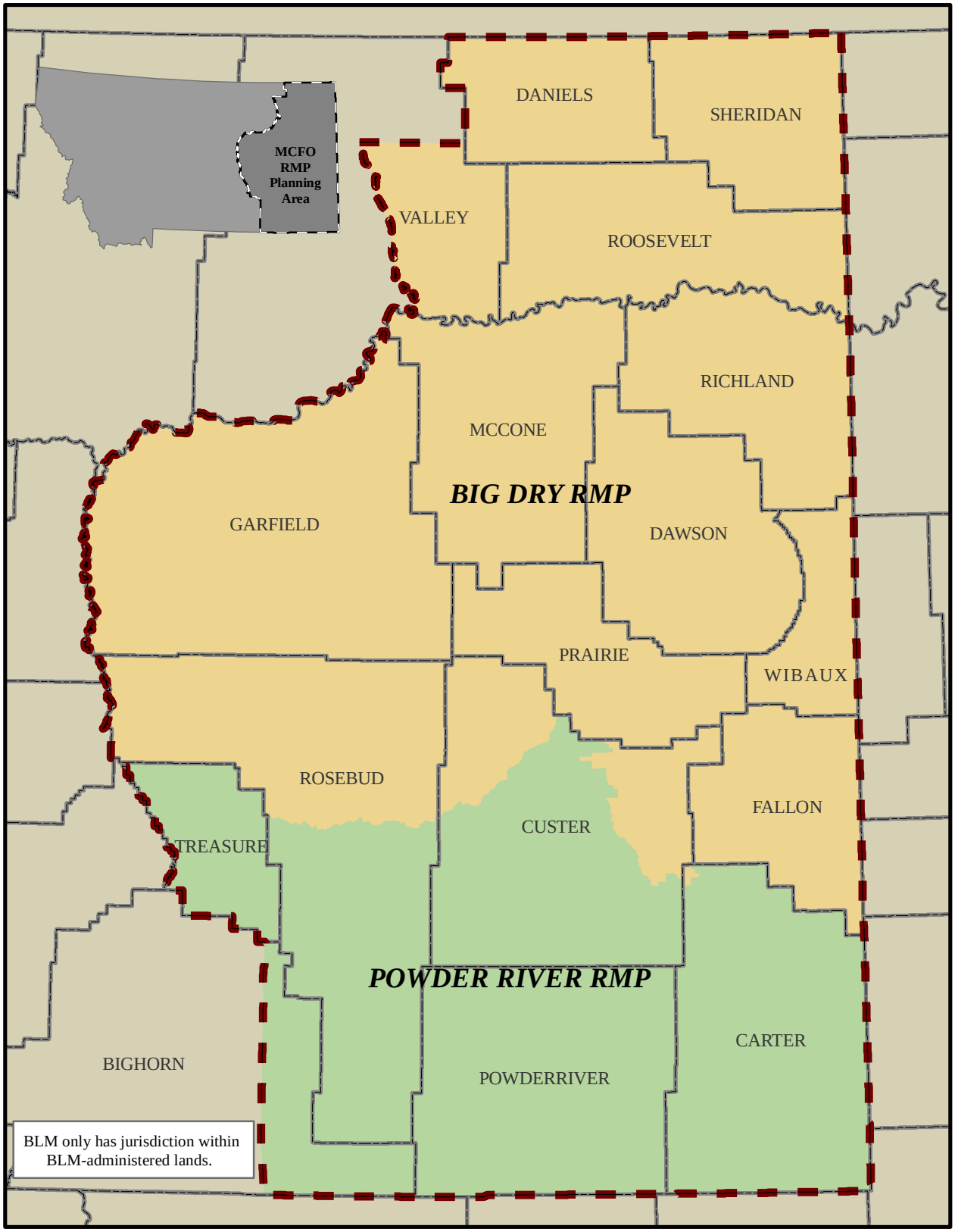
Map 1: Miles City Field Office Planning Area



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MILES CITY FIELD OFFICE

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 10 20 Miles

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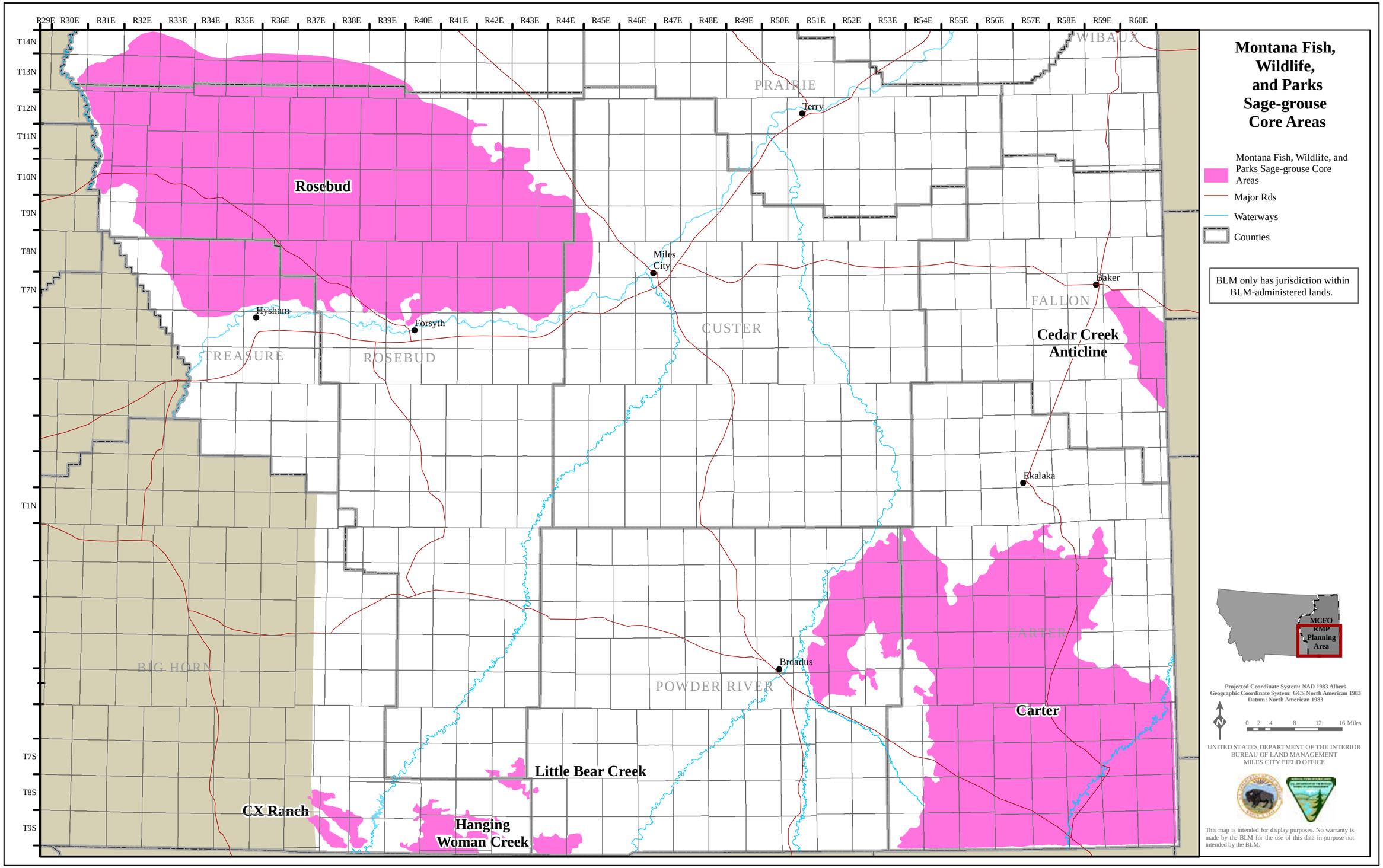
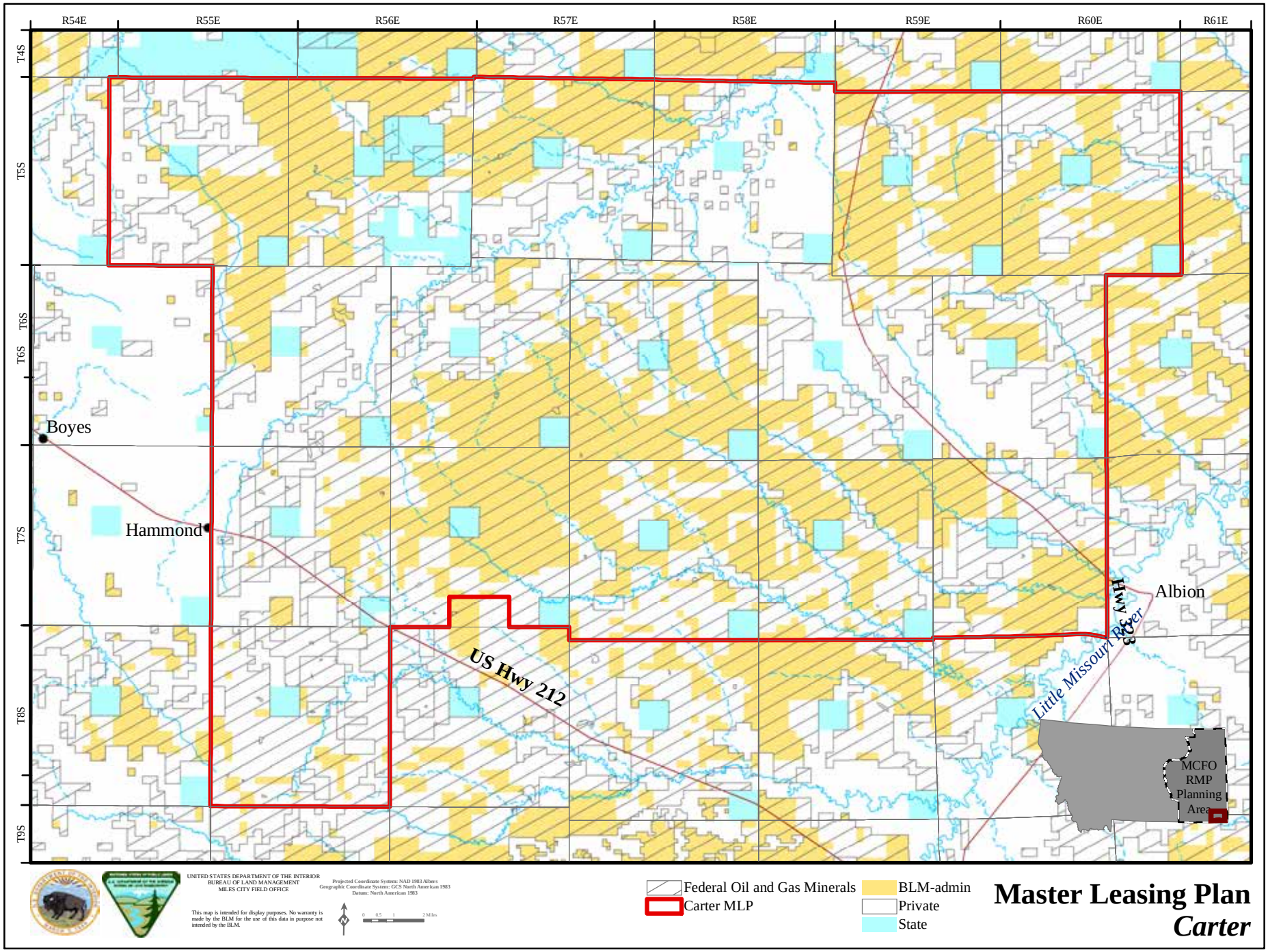
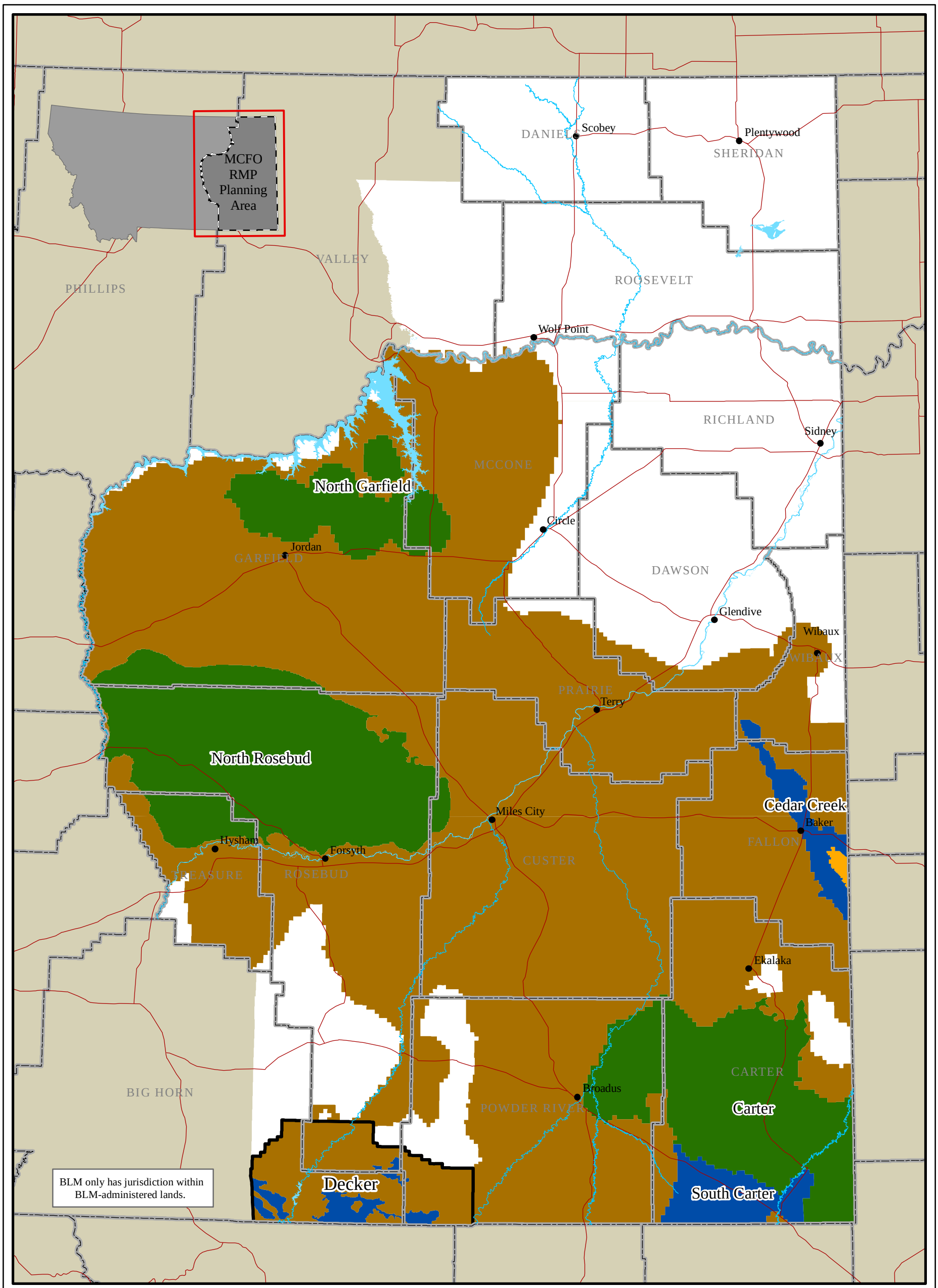
Miles City Field Office Planning Area

Map 2: Montana Fish, Wildlife, and Parks Sage-grouse Core Areas





Map 3: Master Leasing Plan - *Carter*



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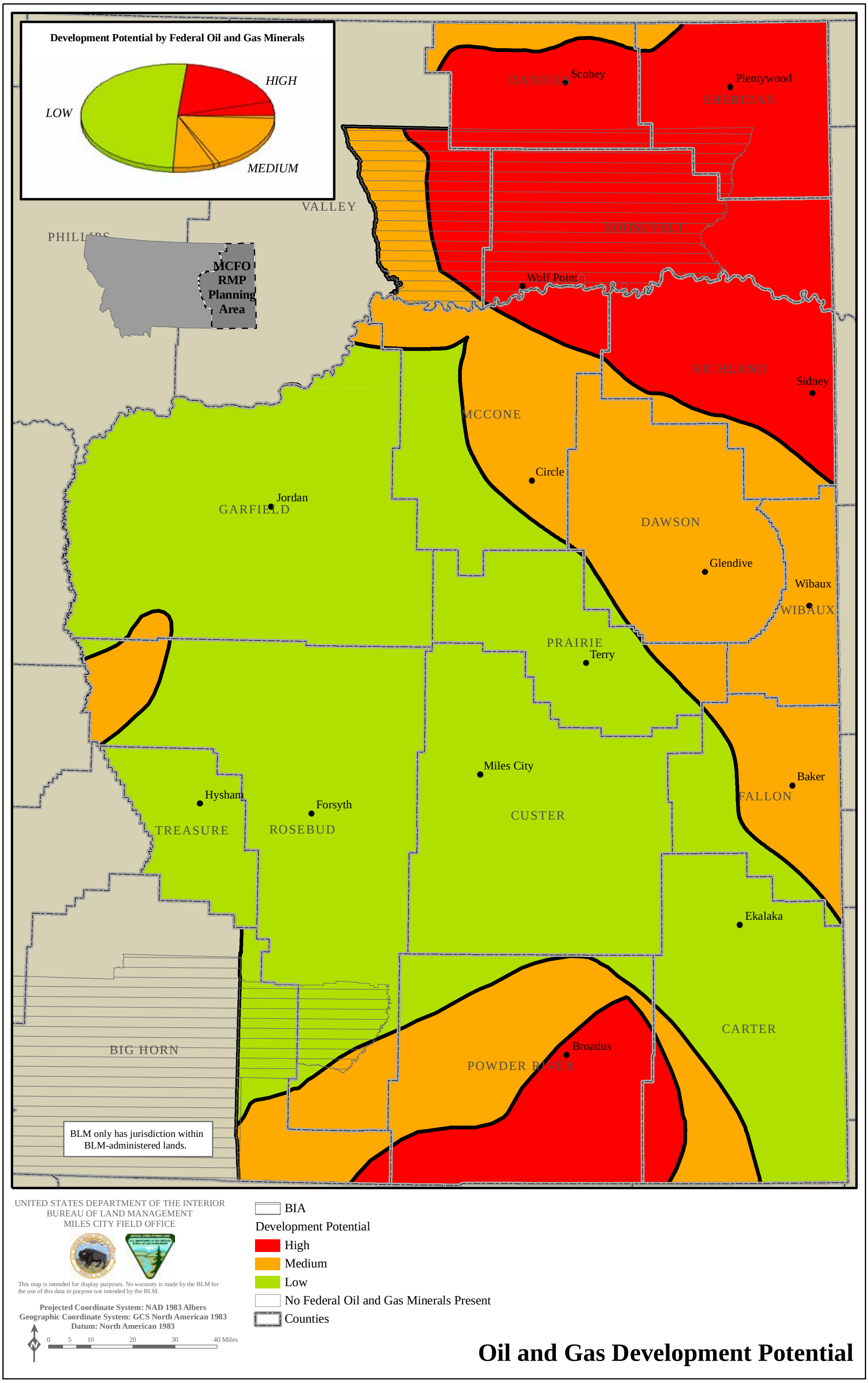
0 5 10 20 30 40 50 60 Miles

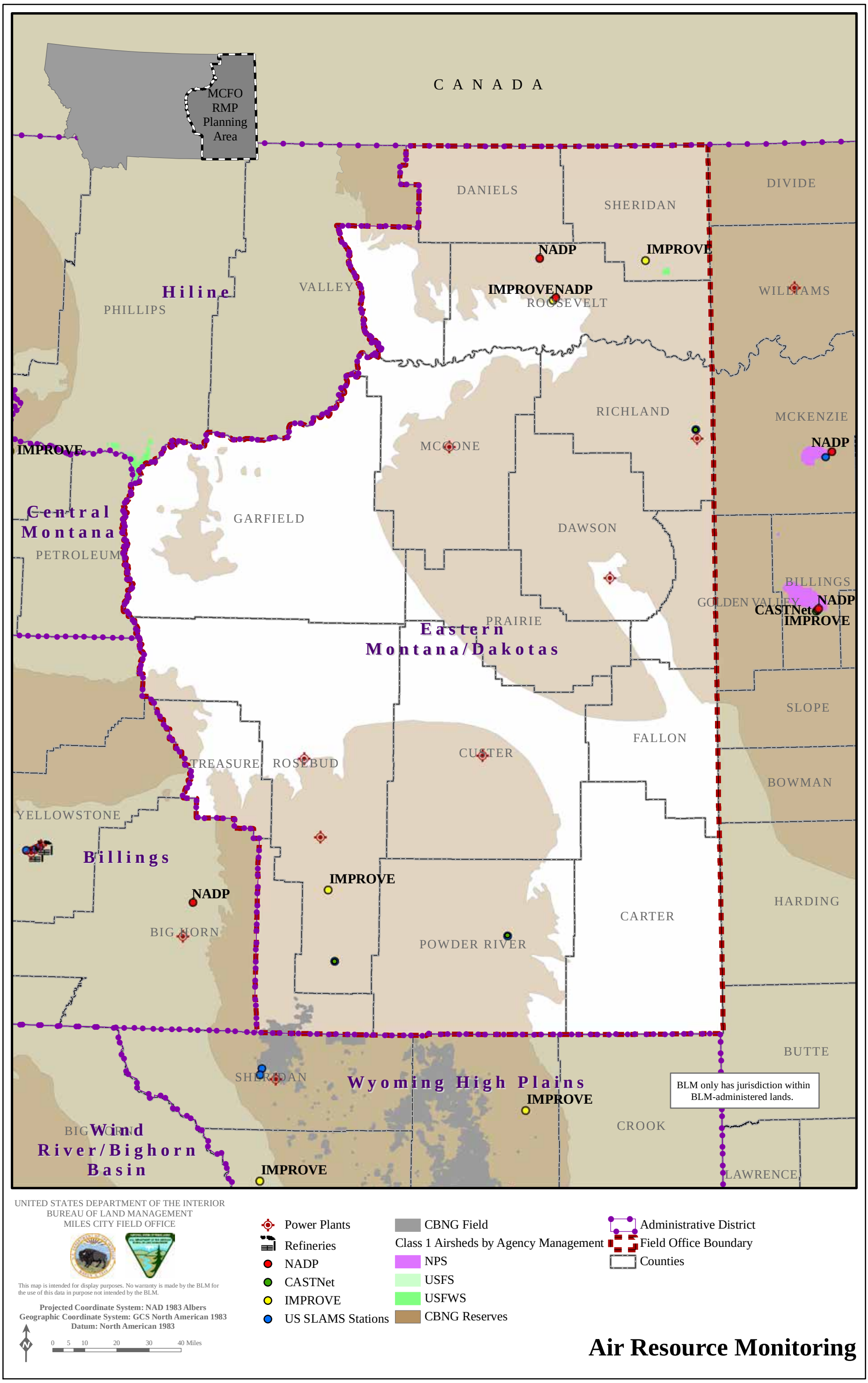
General Habitat Areas
Source Population Area (Restoration Areas)
Restoration Areas
Protection Priority Areas
Waterways
Major Rds
Counties
Decker Area

Sage-grouse Habitat Management Areas
Alternative E

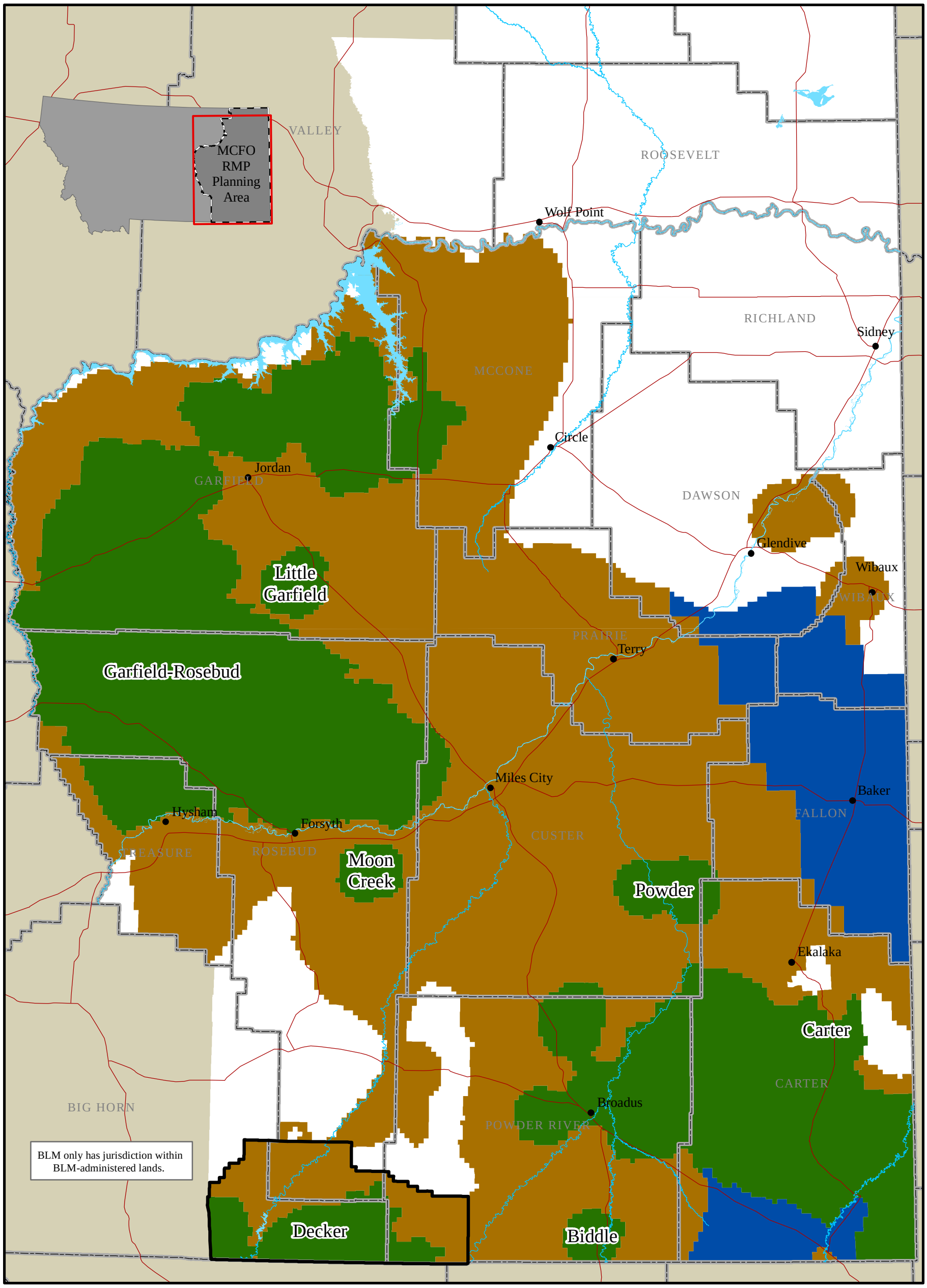
Map 4: Sage-grouse Habitat Management - *Alternative E*



Map 5: Oil and Gas Development Potential



Map 6: Air Resource Monitoring



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

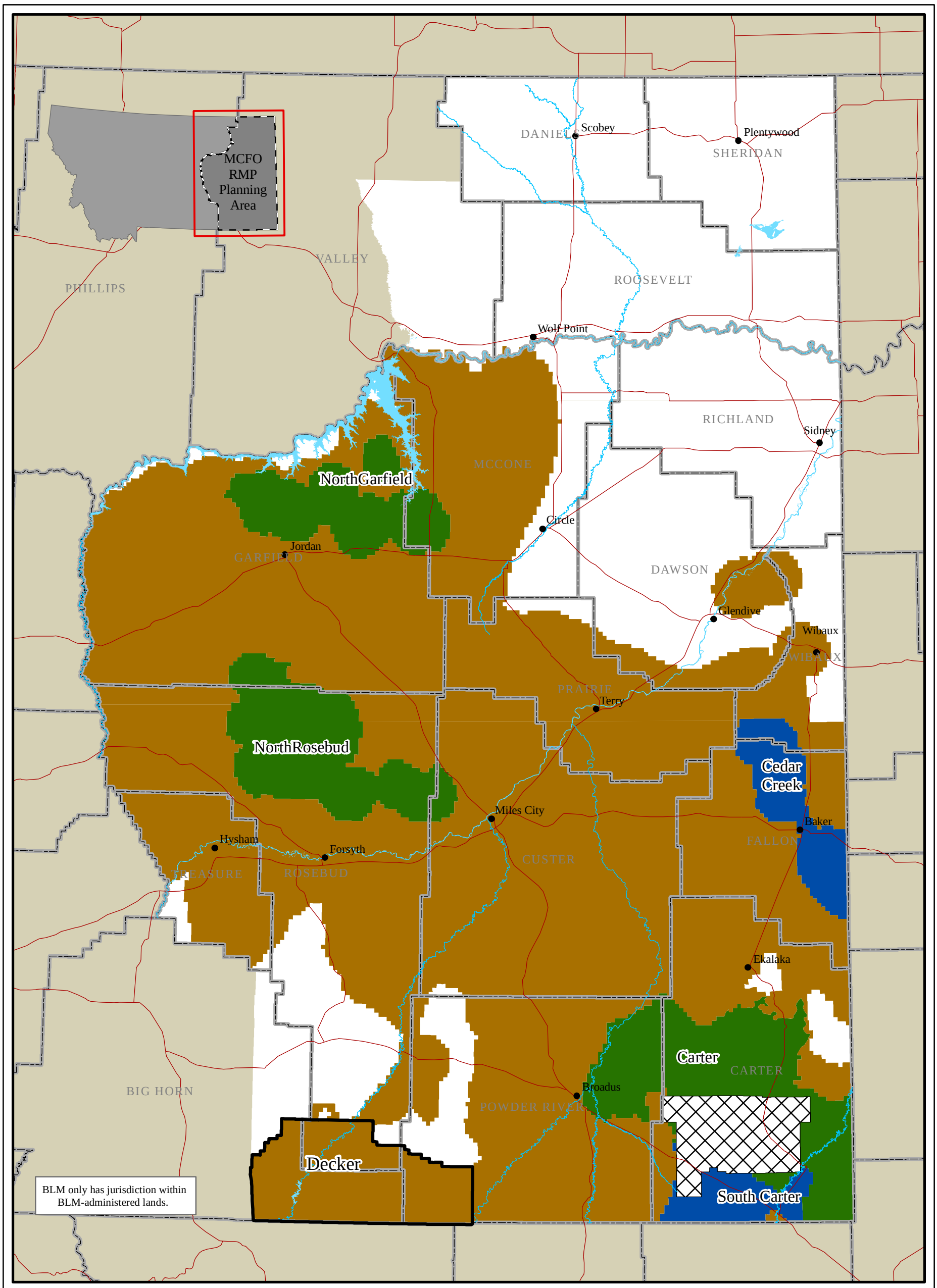
0 5 10 20 30 40 Miles

Decker Area
Waterways
Major Rds
Counties

Sage-grouse Habitat Management Areas
General Habitat Areas
Restoration Areas
Protection Priority Areas (Greater Sage-grouse ACEC)

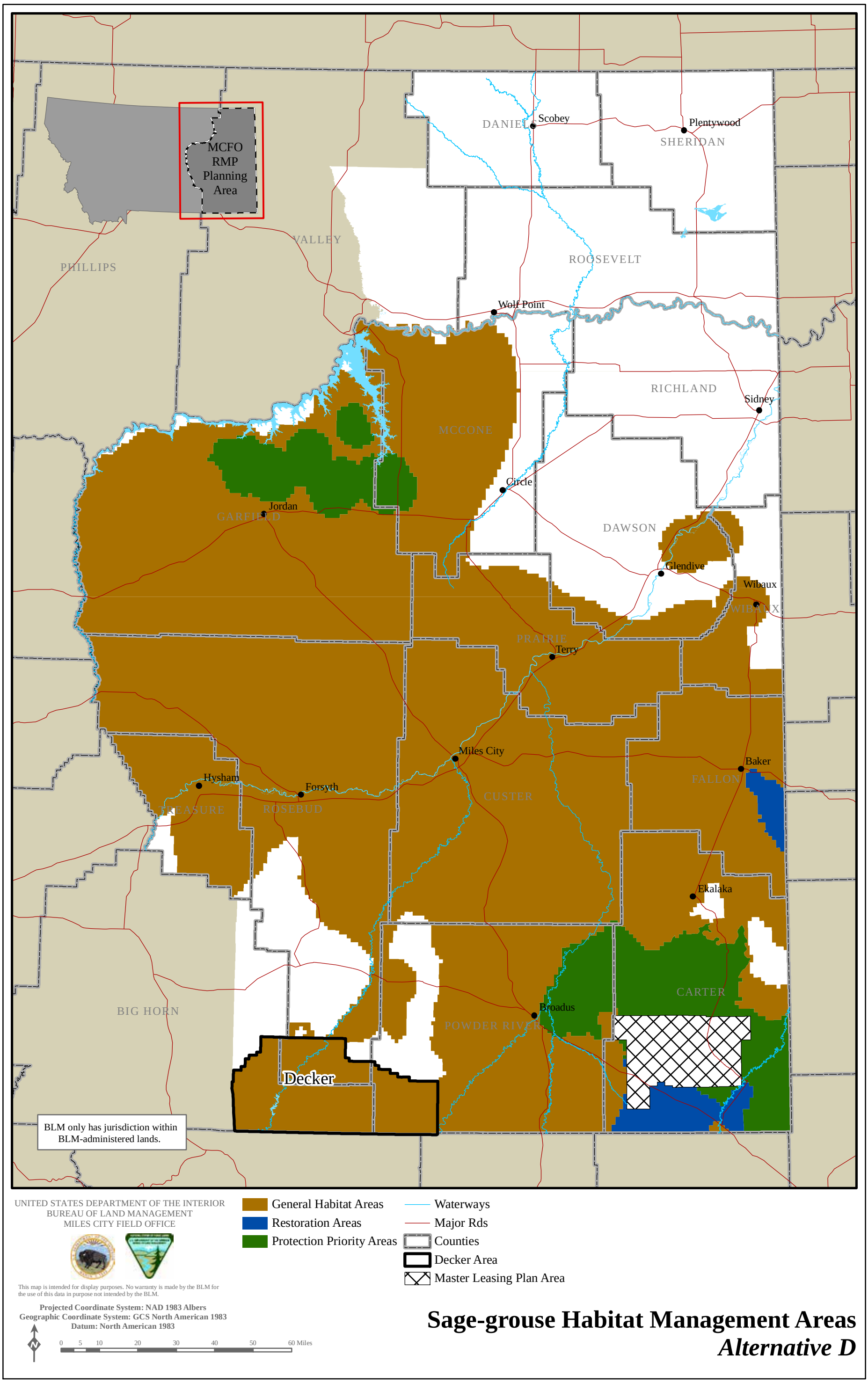
Sage-grouse Habitat Management Areas
Alternative B

Map 7: Sage-Grouse Habitat Management - *Alternative B*



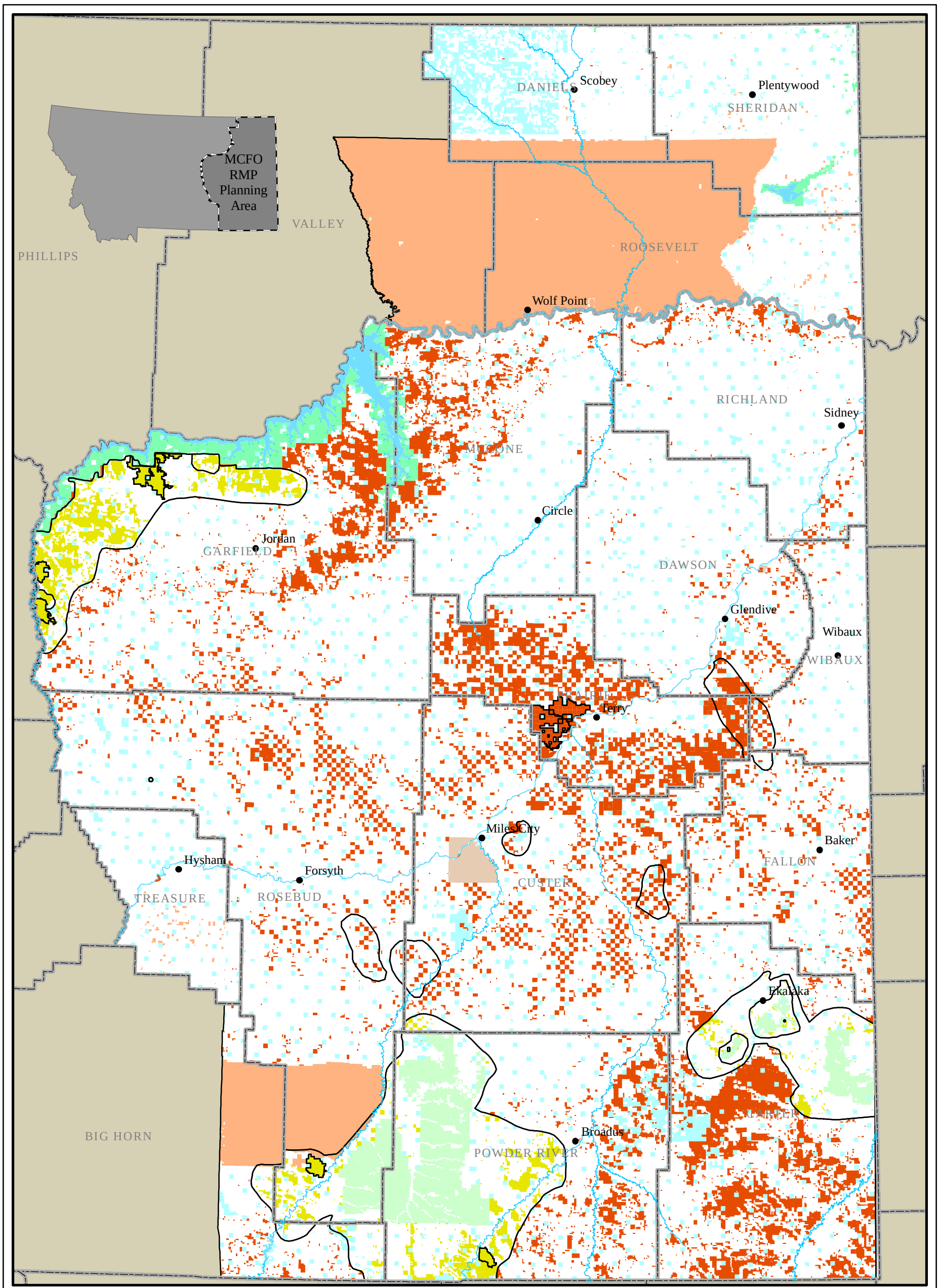
Sage-grouse Habitat Management Areas
Alternative C

Map 8: Sage-Grouse Habitat Management - *Alternative C*



MAP-9

Map 9: Sage-Grouse Habitat Management - *Alternative D*



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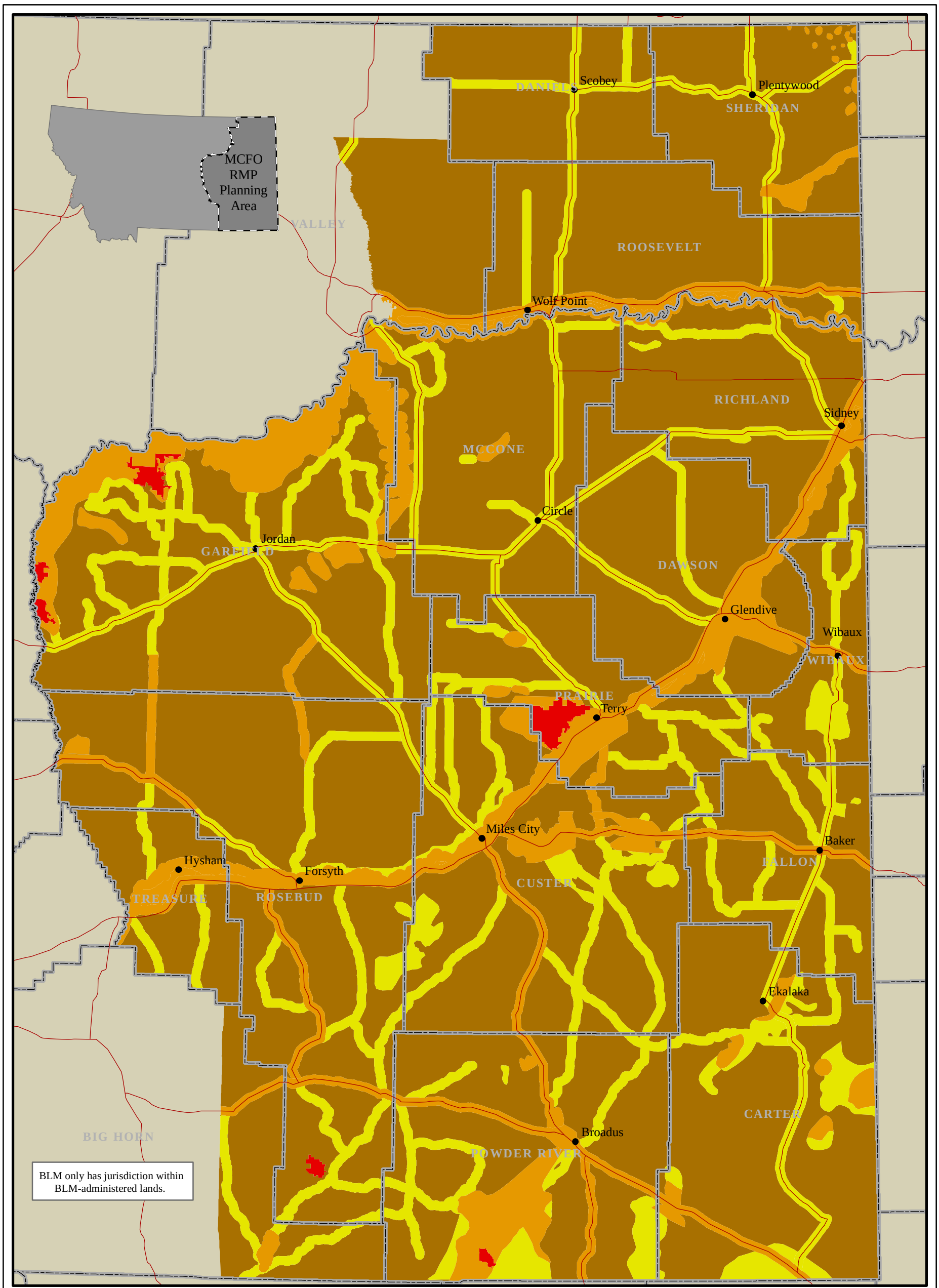
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Fire Management Zones
BLM-admin Lands Category
B 2,454,175 acres
C 306,787 acres
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS

Fire Management Zone and Category

Map 10: Fire Management Zone and Category



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

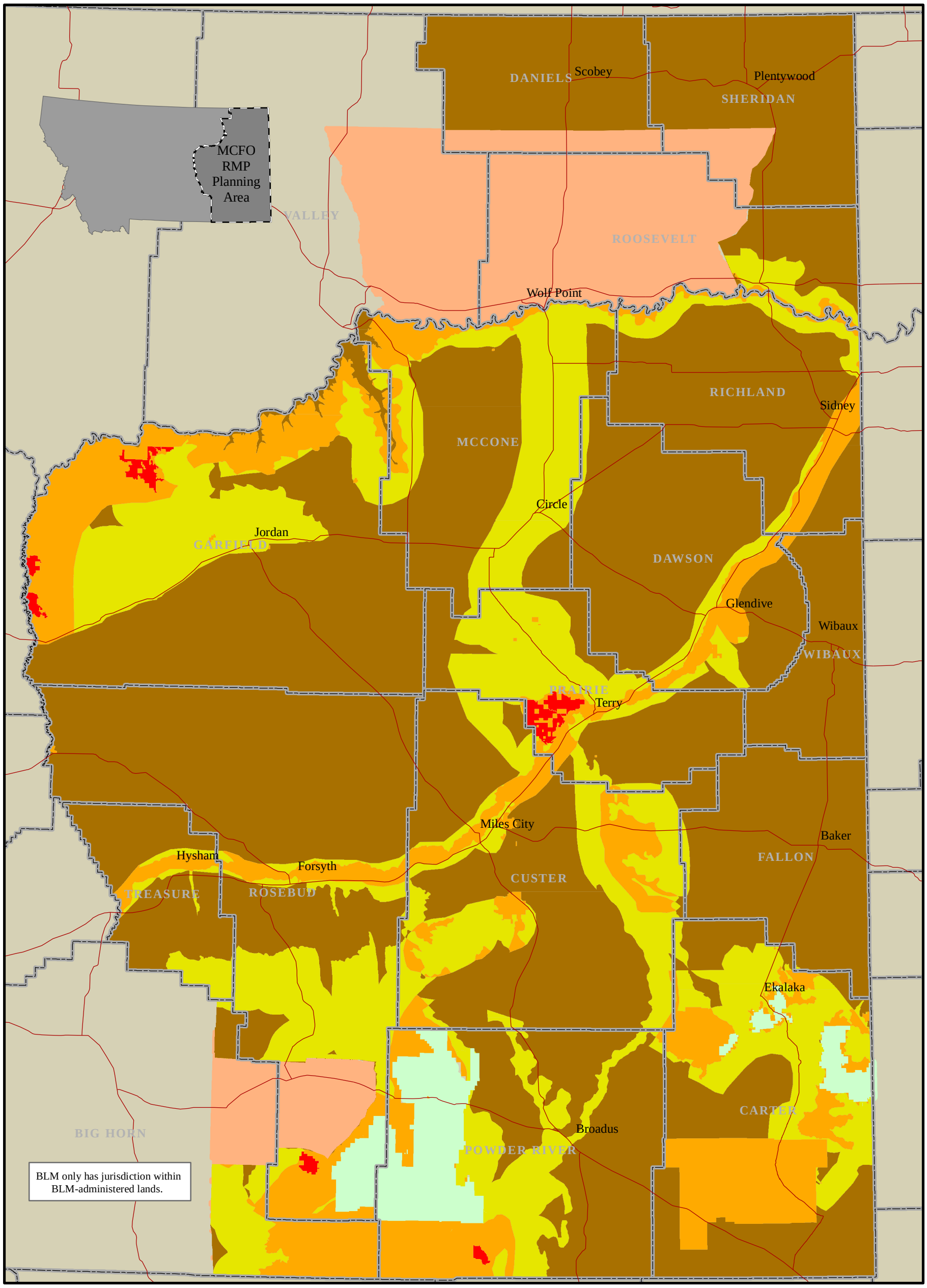
0 5 10 20 30 40 Miles

Visual Resource Management
- Class I (97,000 acres)
- Class II (400,000 acres)
- Class III (380,000 acres)
- Class IV (1,900,000 acres)

Major Rds
Counties

Visual Resource Management
Alternative A

Map 11: Visual Resource Management - *Alternative A*



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

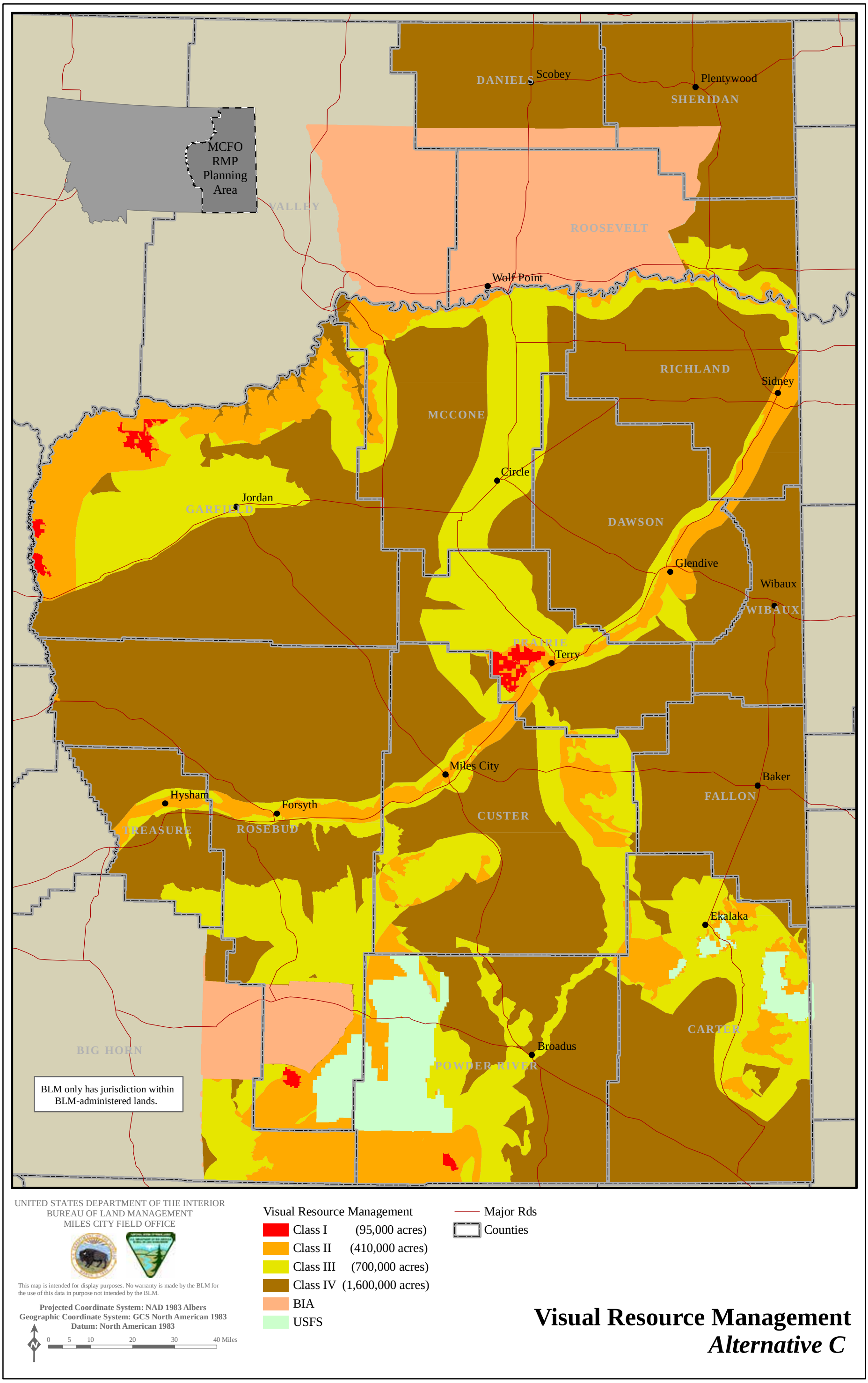
0 5 10 20 30 40 Miles

Visual Resource Management
- Class I (95,000 acres)
- Class II (580,000 acres)
- Class III (640,000 acres)
- Class IV (1,400,000 acres)
- BIA
- USFS

Main Travel Corridors
Counties

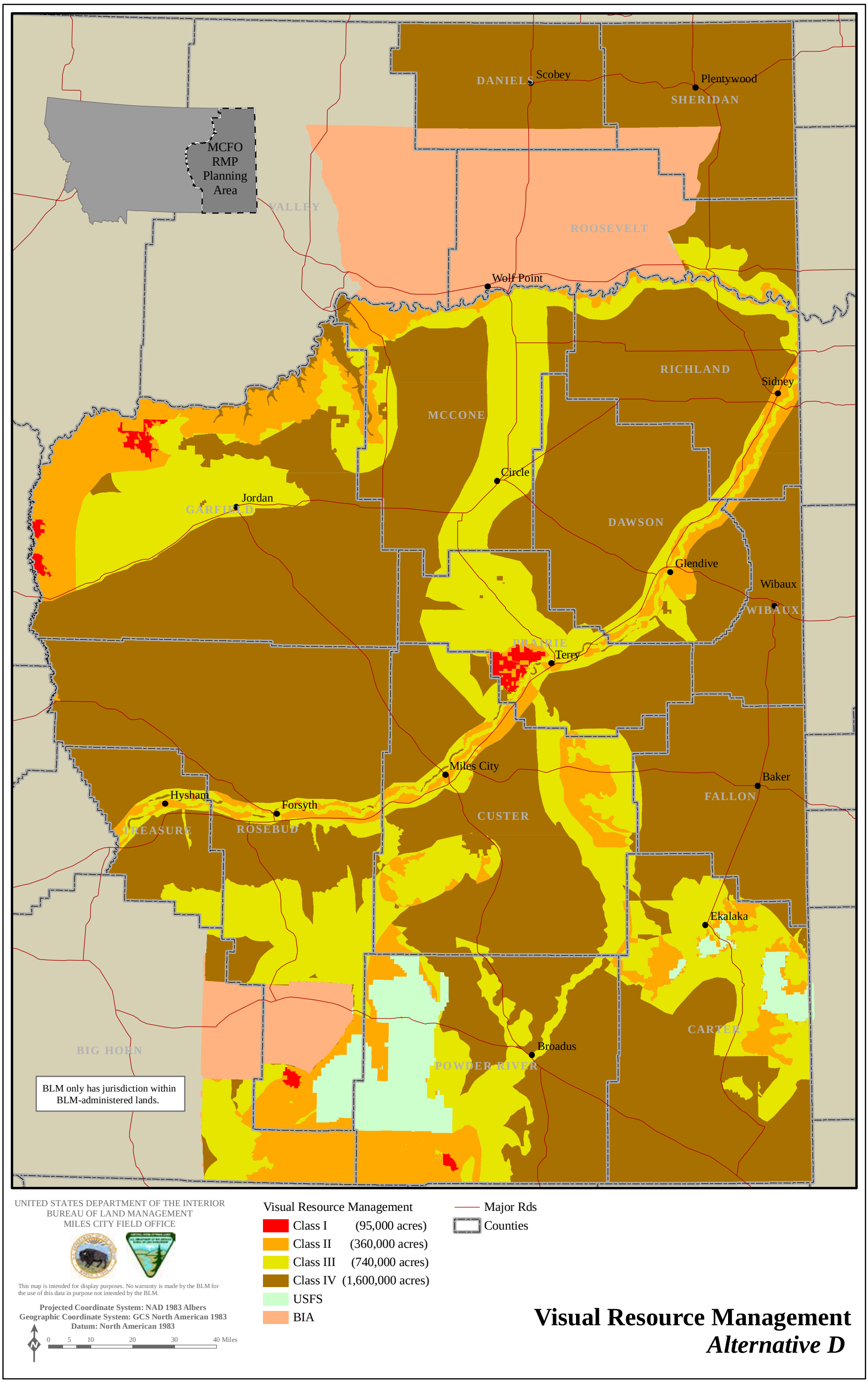
Visual Resource Management
Alternative B

Map 12: Visual Resource Management - *Alternative B*

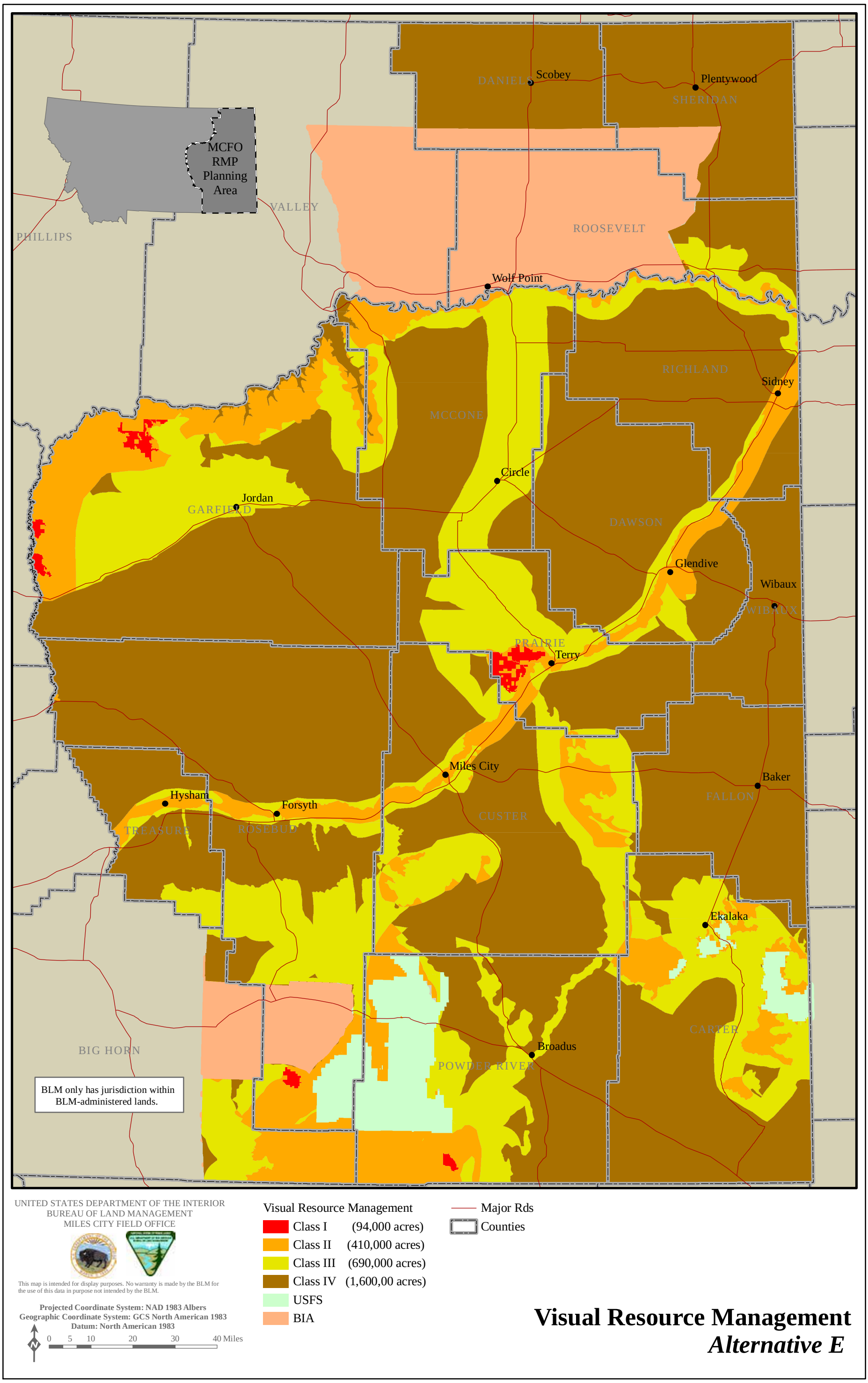


Visual Resource Management
Alternative C

Map 13: Visual Resource Management - *Alternative C*

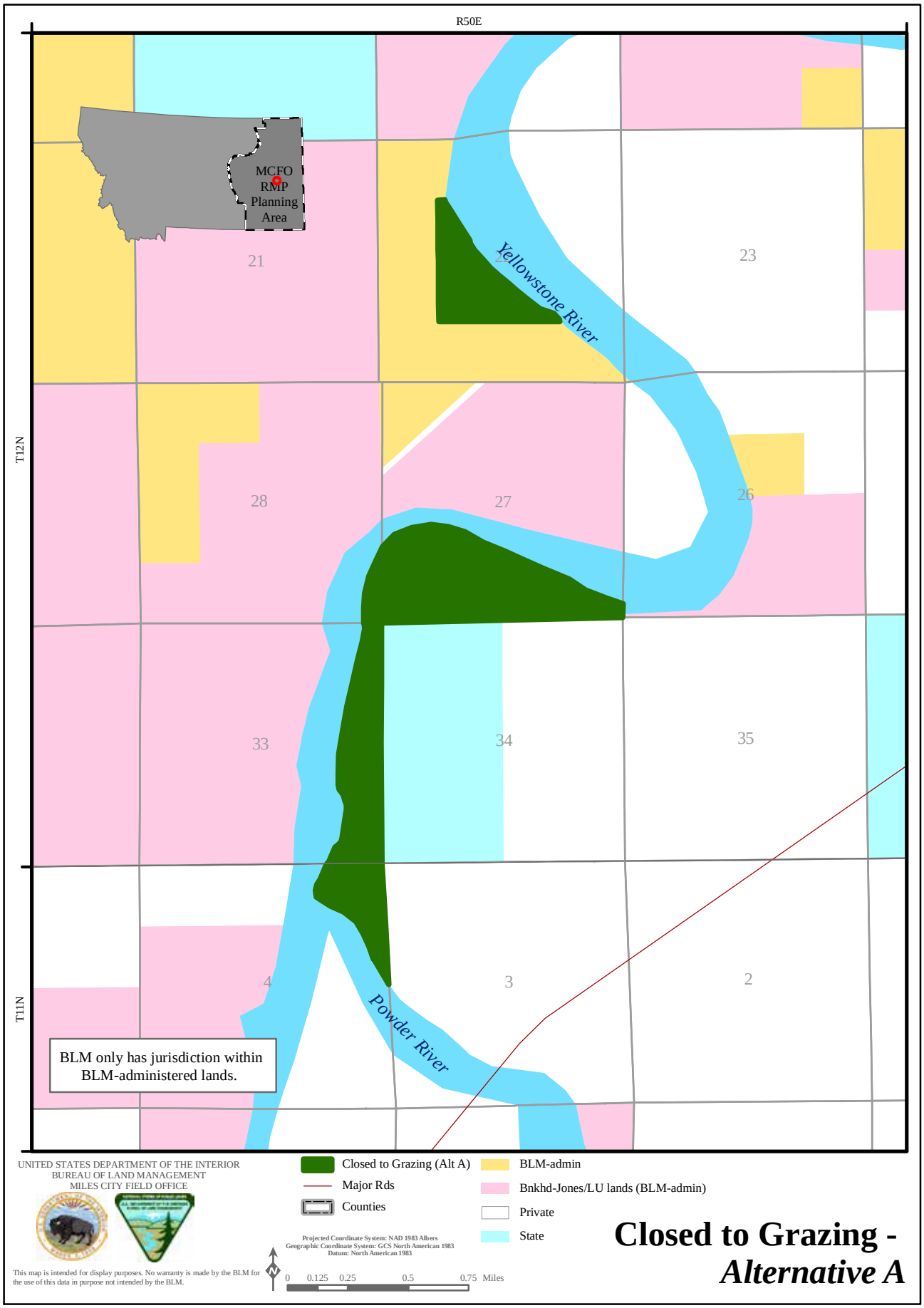


Map 14: Visual Resource Management - *Alternative D*

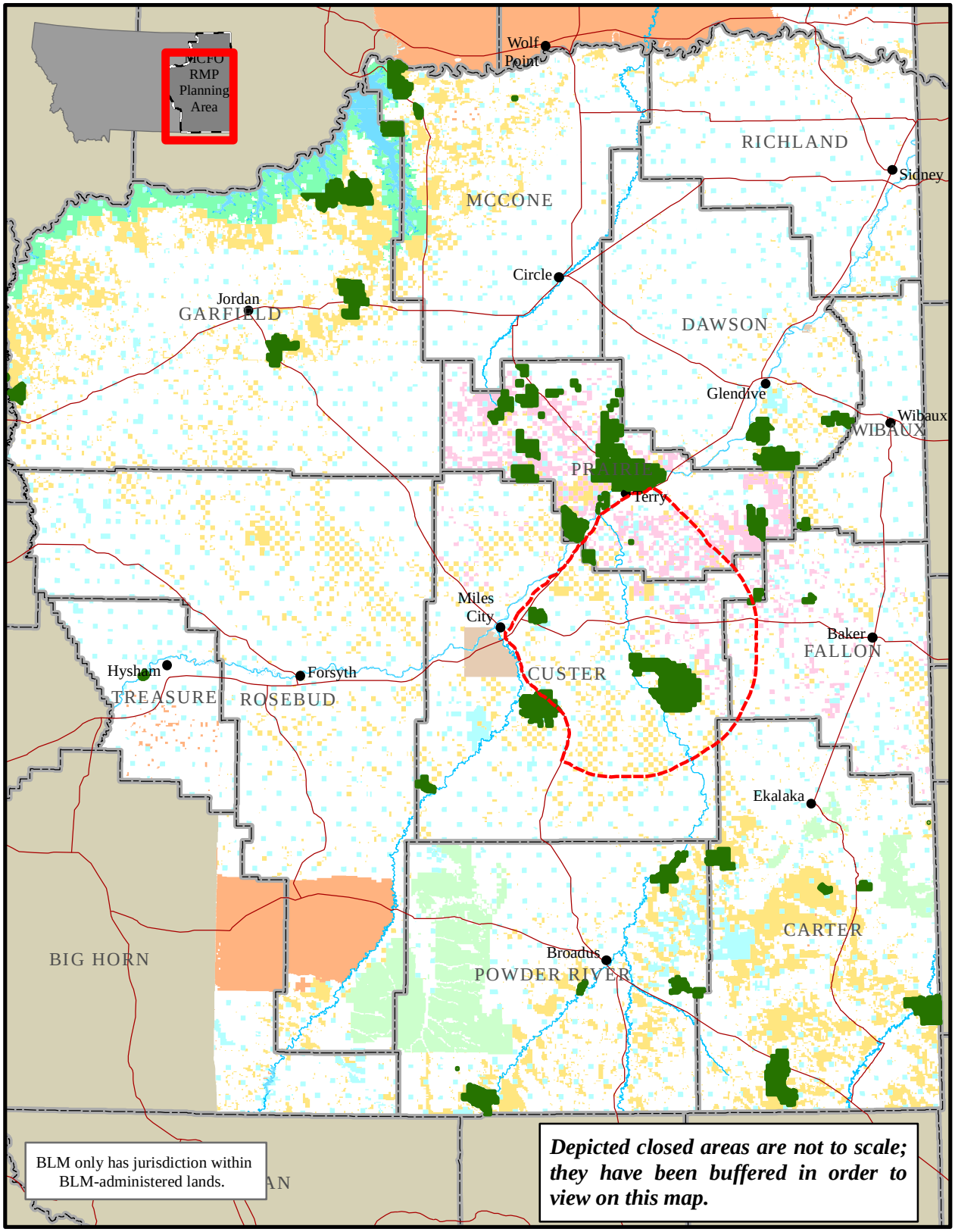


Map 15: Visual Resource Management -*Alternative E*

Map 17: Closed to Grazing - *Alternative A*



Map 18: Closed to Grazing - *Alternative B*



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Management Area for Domestic Sheep and Goats
Closed to Grazing (Alt B)
Major Rds
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS
Other Federal
Private
State
USFS

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 10 20 Miles

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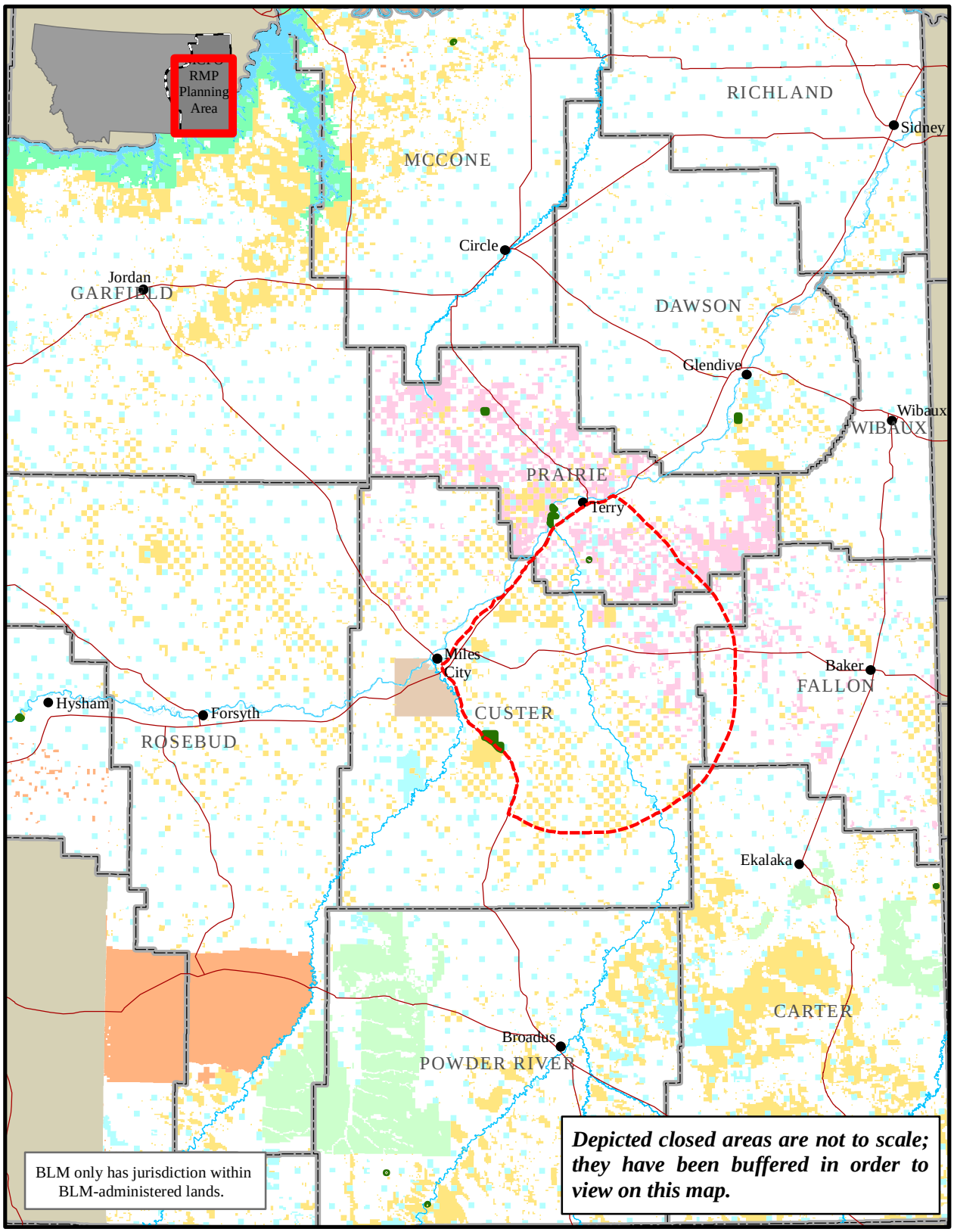
Closed to Grazing - *Alternative B*



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Management Area for Domestic Sheep and Goats
Closed to Grazing (Alt C)
Major Rds
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS
Other Federal
Private
State
USFS

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 10 20 Miles

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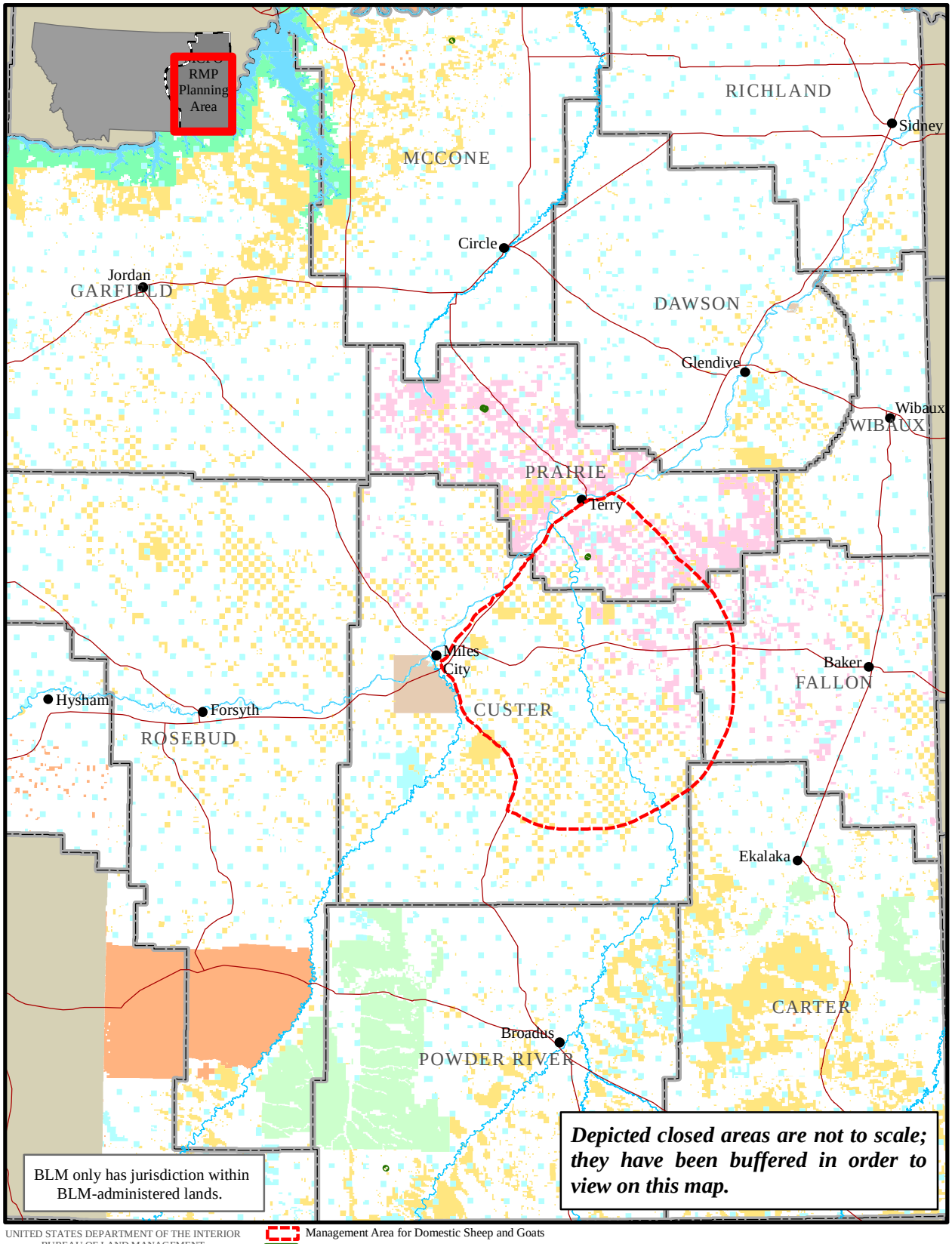
Closed to Grazing - *Alternative C*

Map 20: Closed to Grazing - *Alternative D*



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Management Area for Domestic Sheep and Goats
Closed to Grazing (Alt D)
Major Rds
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS
Other Federal
Private
State
USFS

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 10 20 Miles

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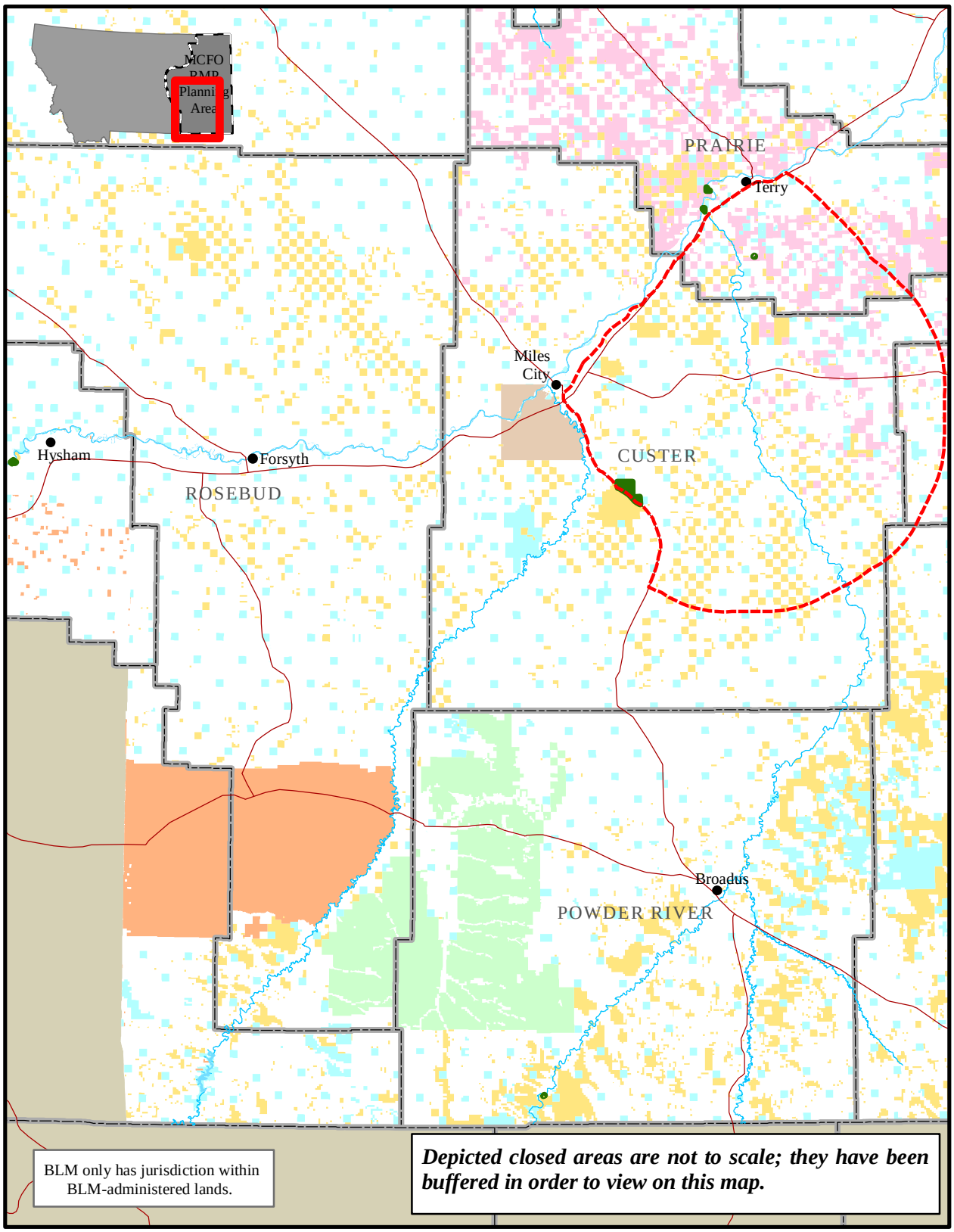
Closed to Grazing - *Alternative D*



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MILES CITY FIELD OFFICE

Management Area for Domestic Sheep and Goats
Closed to Grazing (Alt E)
Major Rds

BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS

Other Federal
Private
State
USFS

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 10 20 Miles

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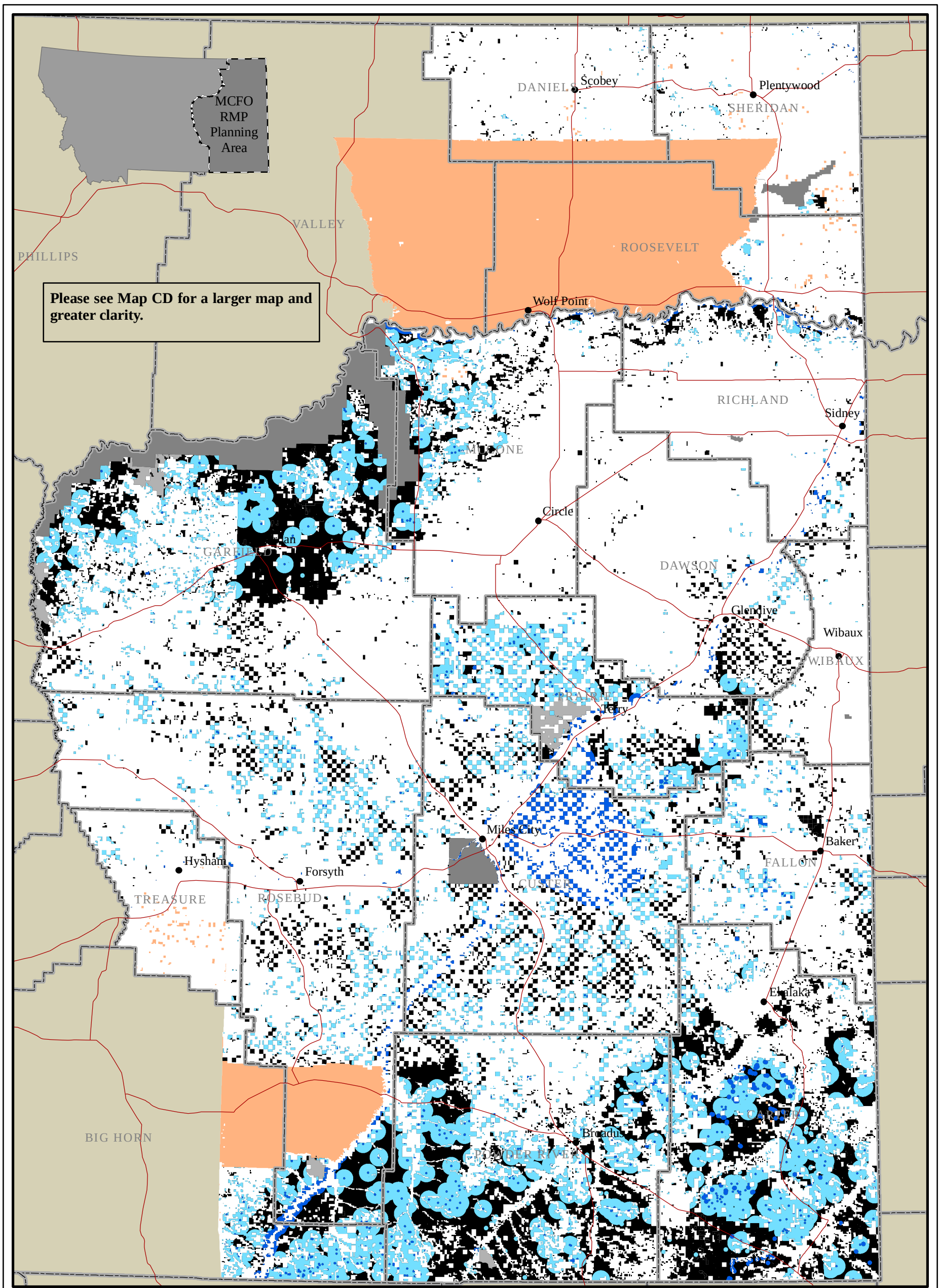
Closed to Grazing - *Alternative E*



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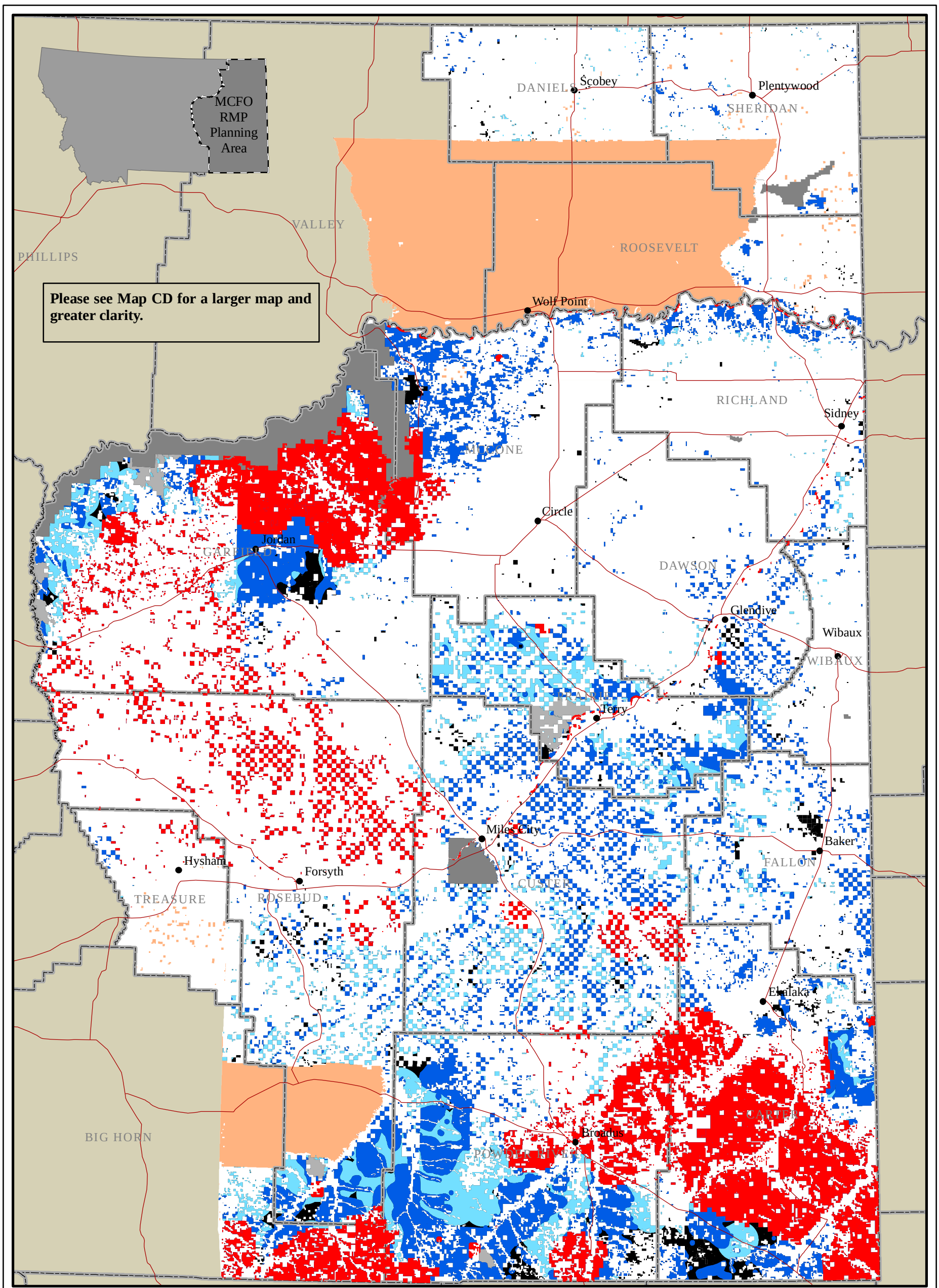
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Major Rds
Counties
Withdrawn
WSA Interim Management
No Federal Minerals Present
No Surface Occupancy
Timing Limitations
Standard Lease Terms
BIA

Oil and Gas Leasing Restrictions
Alternative A

Map 22: Oil and Gas Leasing - *Alternative A*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

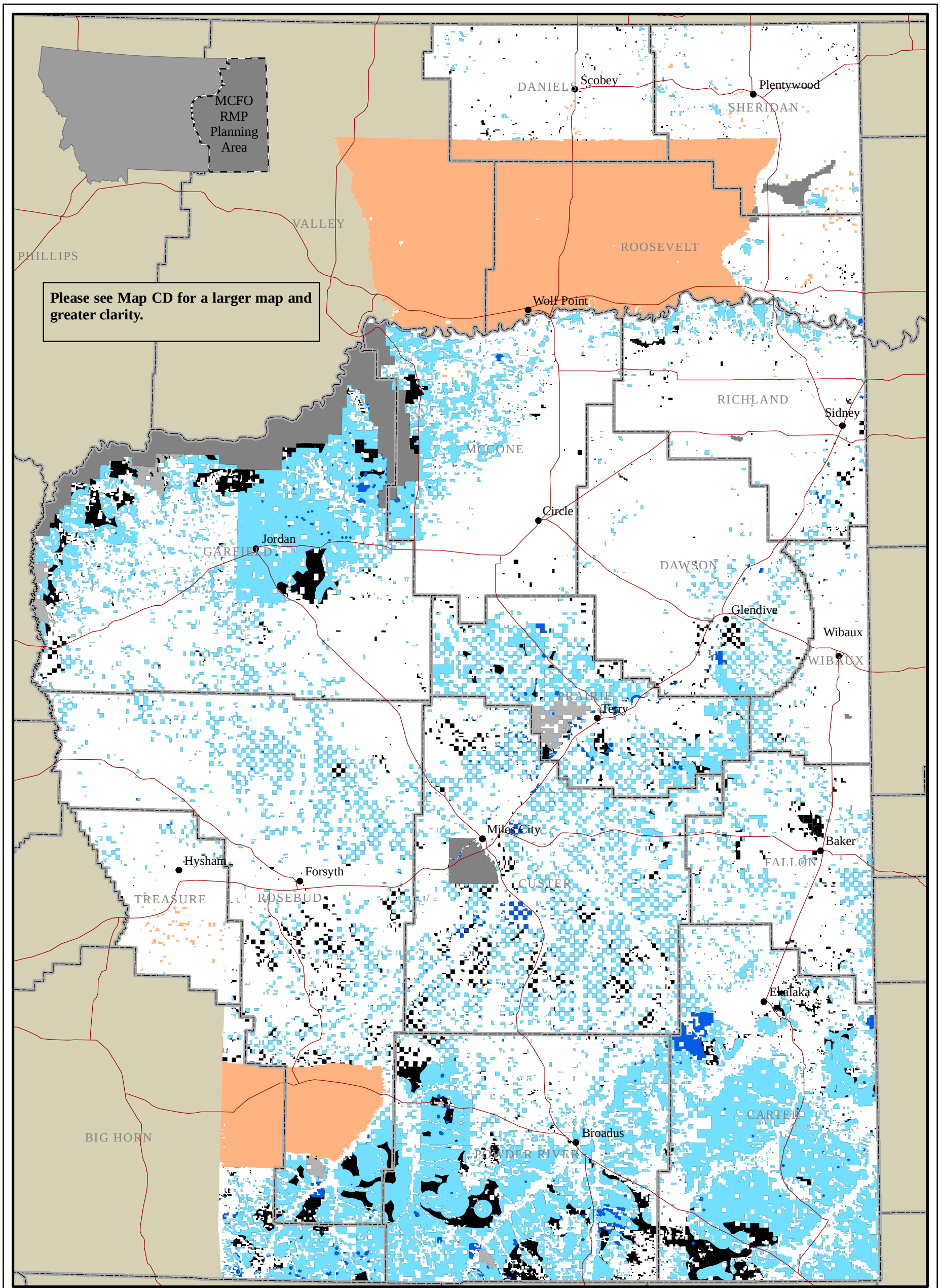
Major Rds
Counties
Withdrawn
WSA Interim Management
No Federal Minerals Present

Closed to Leasing
No Surface Occupancy
Controlled Surface Use
Standard Lease Terms

BIA

Oil and Gas Leasing Restrictions
Alternative B

Map 23: Oil and Gas Leasing - *Alternative B*



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MILES CITY FIELD OFFICE

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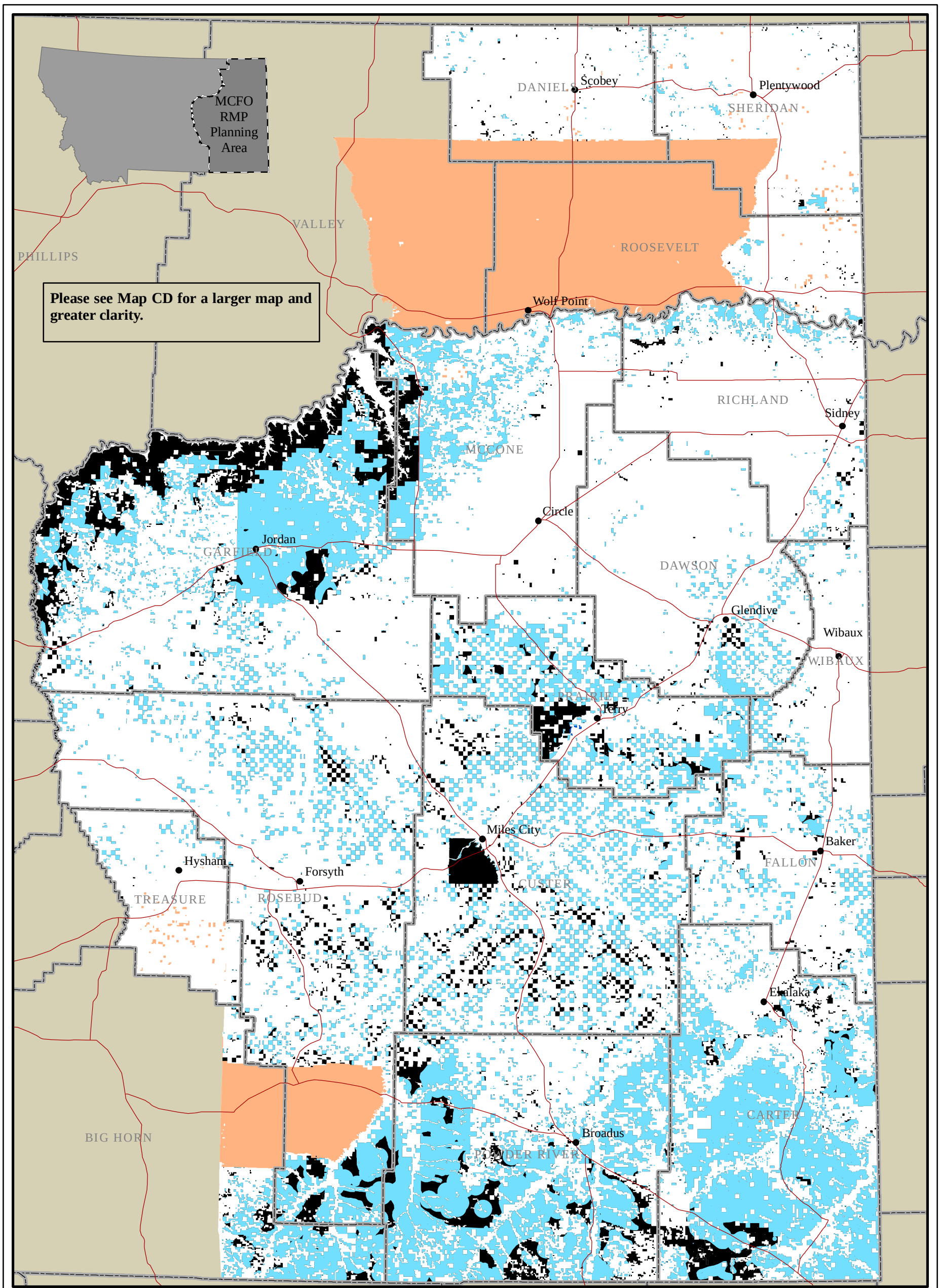
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

- Withdrawn
- WSA Interim Management
- No Surface Occupancy
- Controlled Surface Use
- Standard Lease Terms
- No Federal Minerals Present
- BIA
- Major Rds
- Counties

Oil and Gas Leasing Restrictions
Alternative C

Map 24: Oil and Gas Leasing - *Alternative C*



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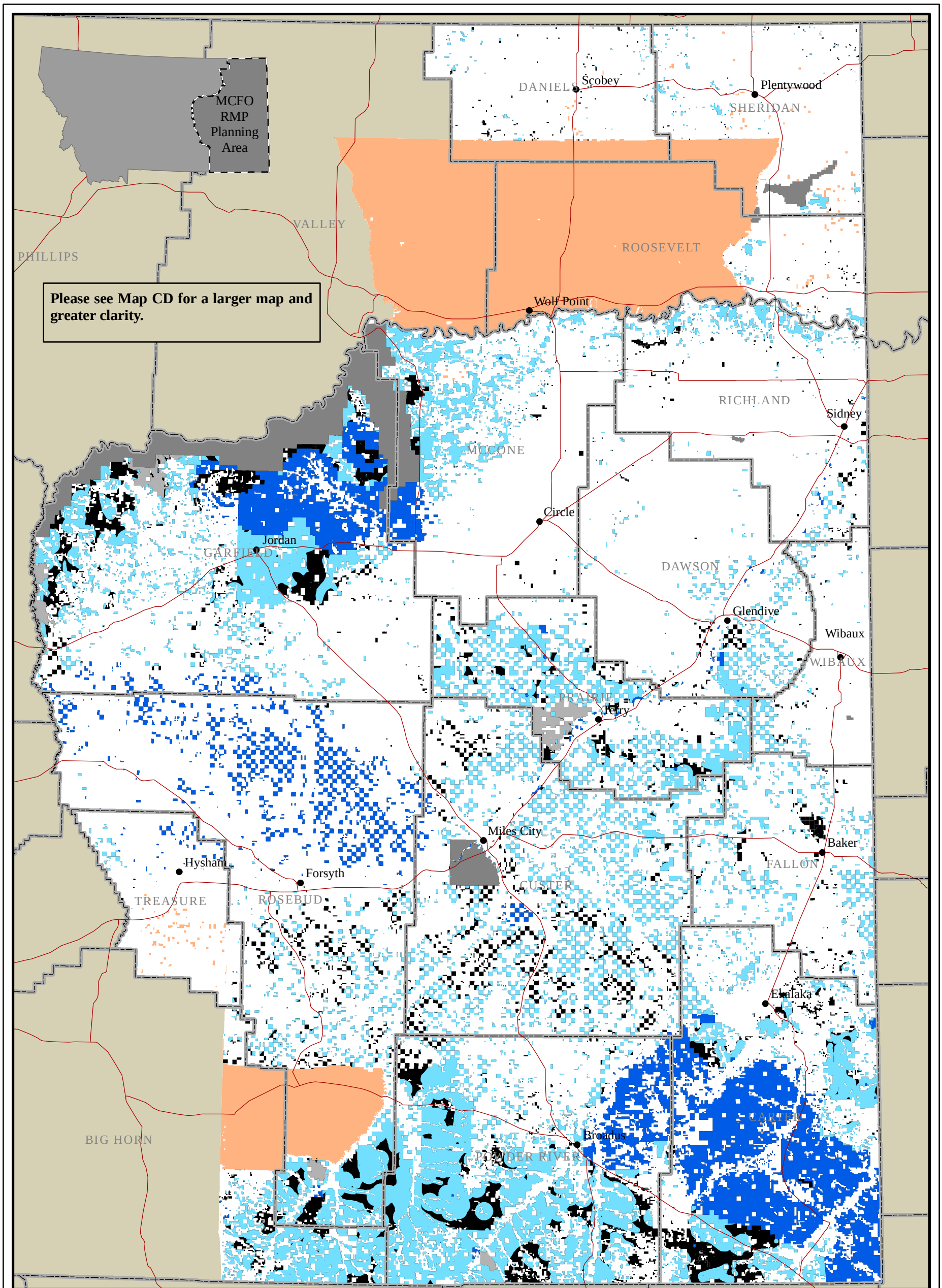
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

No Surface Occupancy
Controlled Surface Use
Standard Lease Terms
No Federal Minerals Present
BIA
Major Rds
Counties

Oil and Gas Leasing Restrictions
Alternative D

Map 25: Oil and Gas Leasing - *Alternative D*



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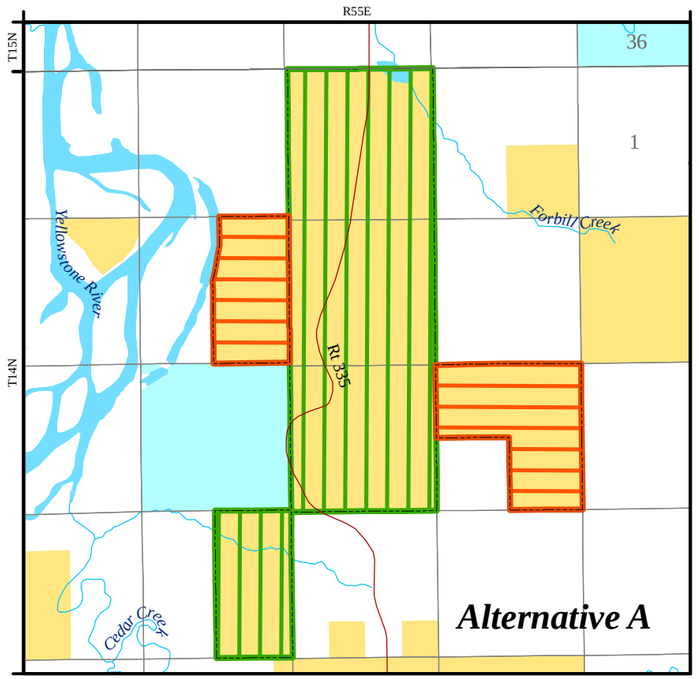
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

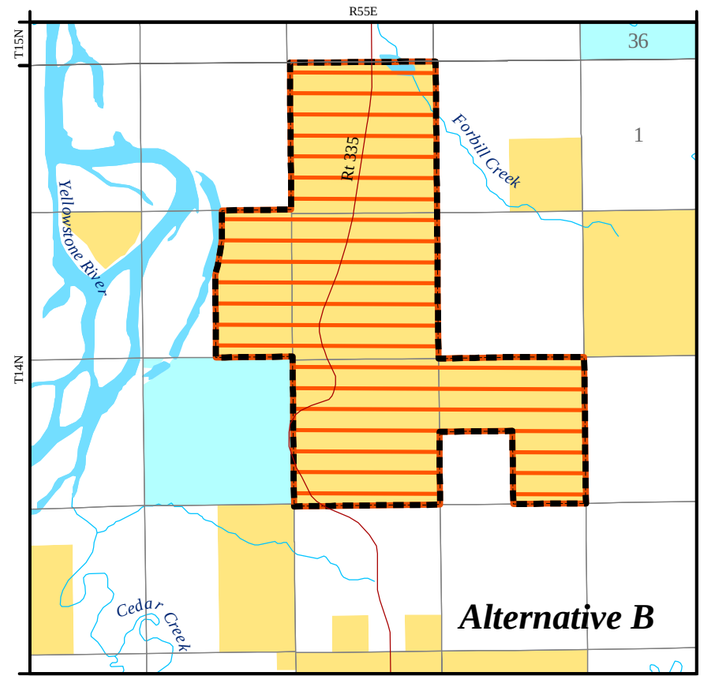
0 5 10 20 30 40 Miles

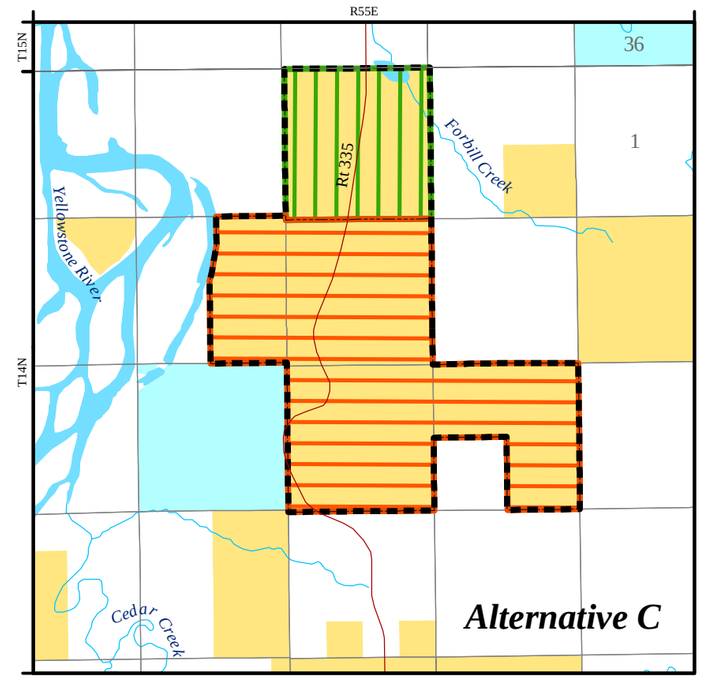
Withdrawn
WSA Interim Management
No Surface Occupancy
Controlled Surface Use
Standard Lease Terms
No Federal Minerals Present
BIA
Major Rds
Counties

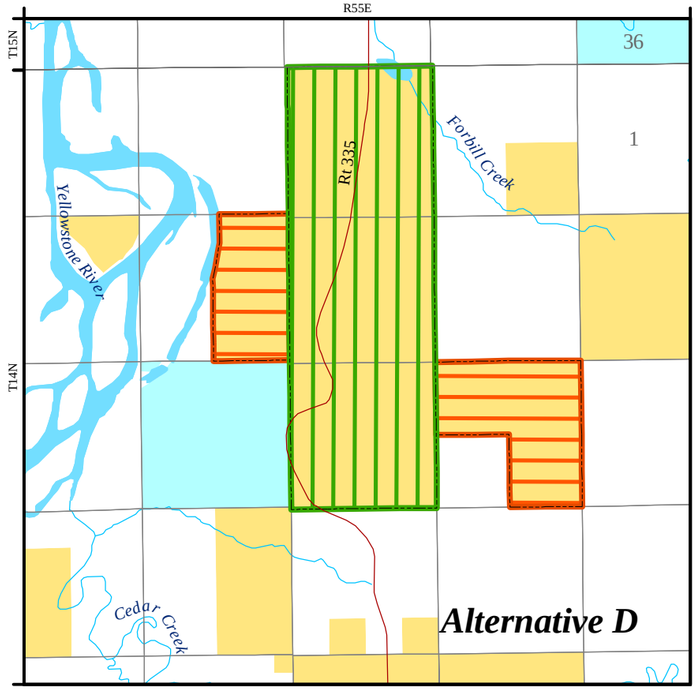
Oil and Gas Leasing Restrictions
Alternative E

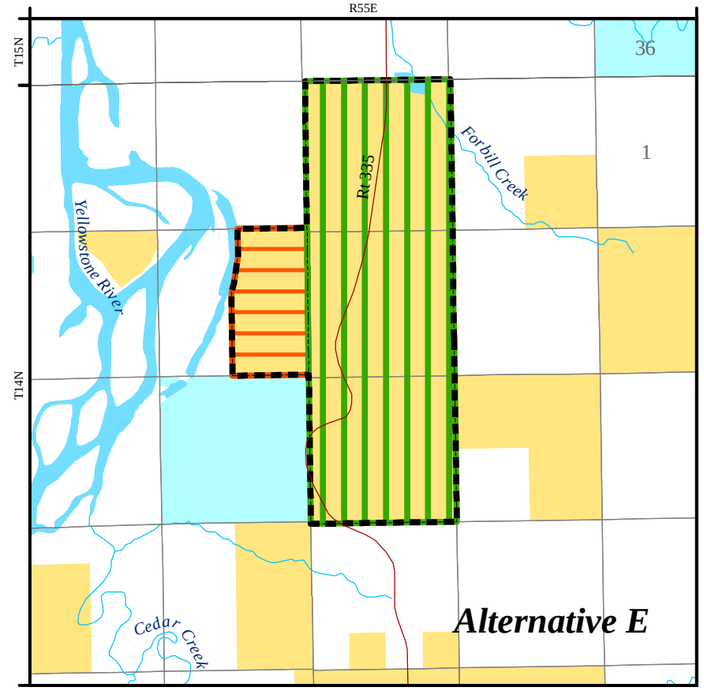
Map 26: Oil and Gas Leasing - *Alternative E*











- Special Recreation Management Area Boundary
- Limited to Existing Roads and Trails
- Open OHV
- BLM-admin
- Private
- State
- Primary Travel Rt
- Waterways

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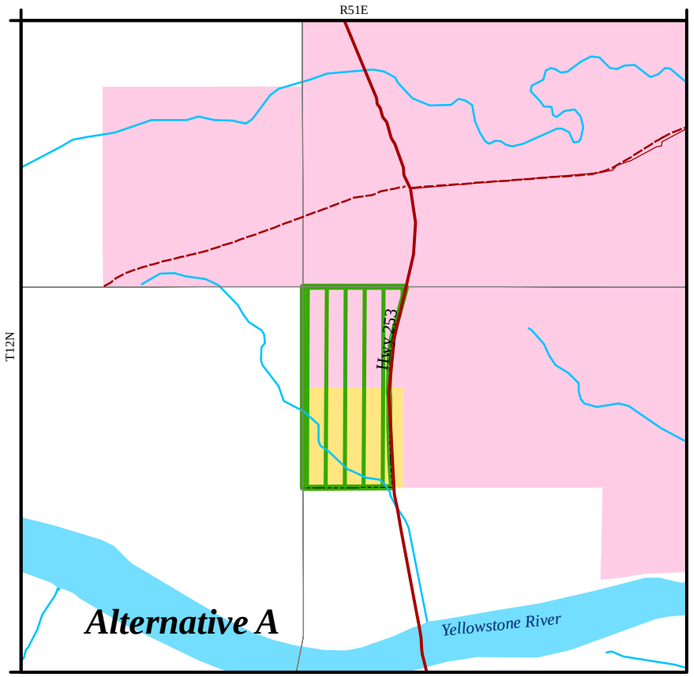
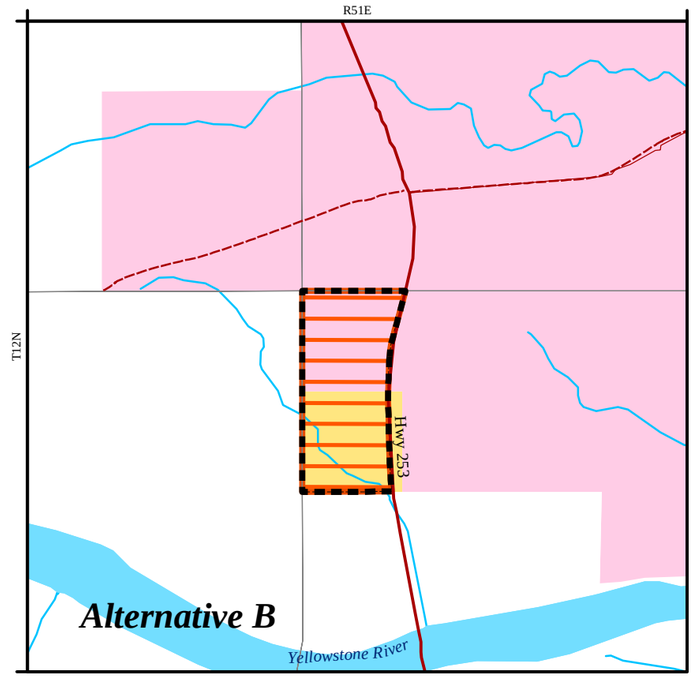
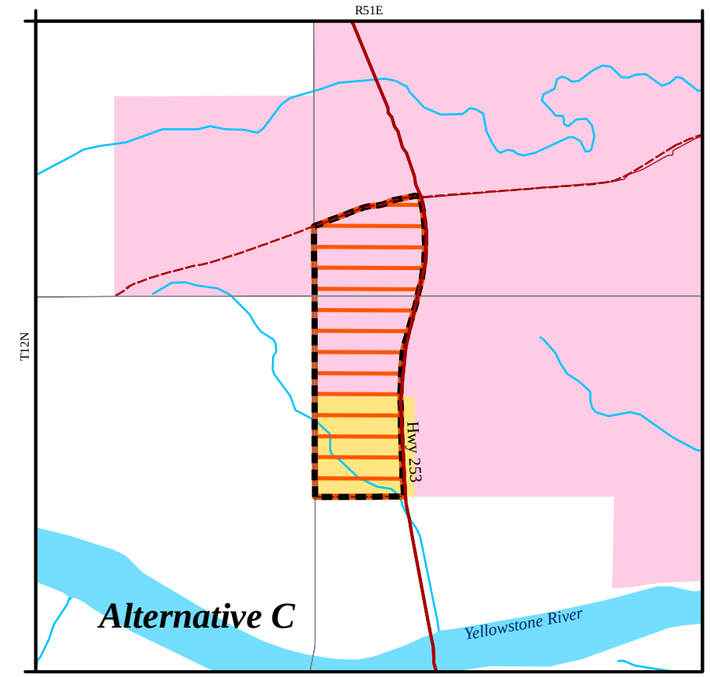
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

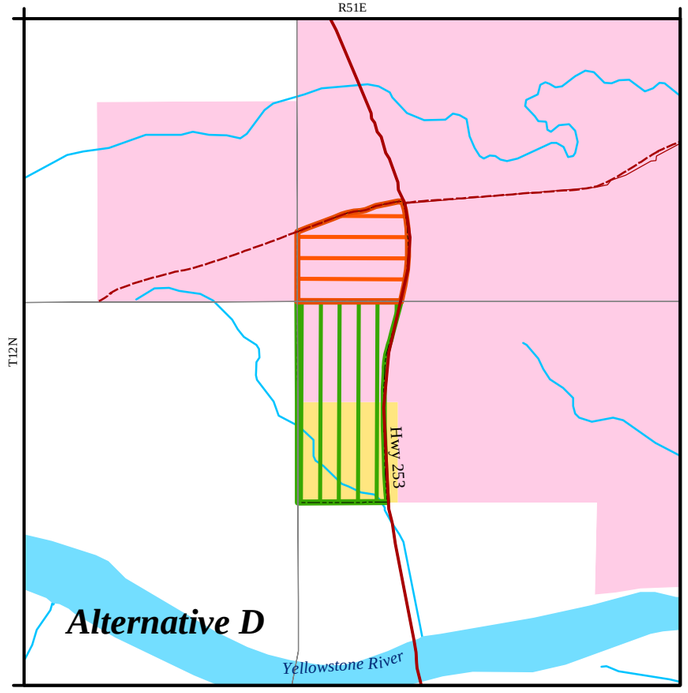
0 0.25 0.5 Miles

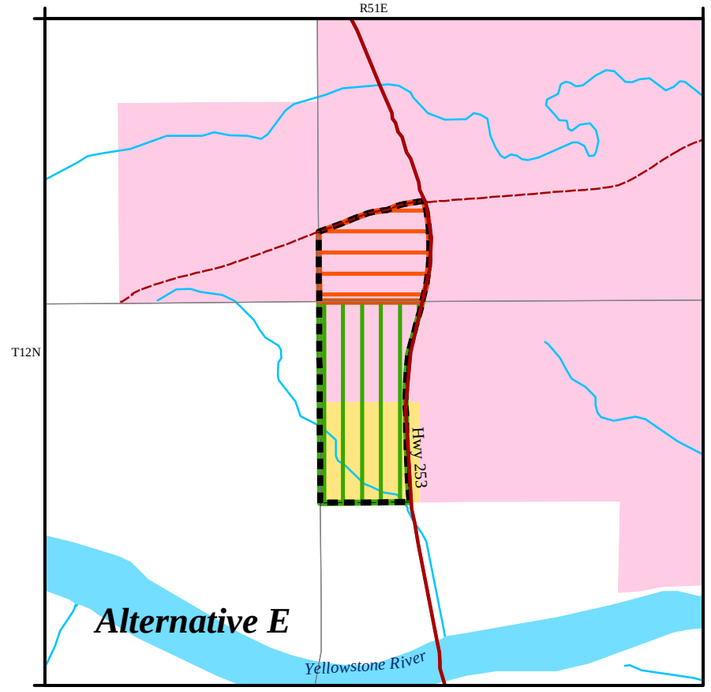
Glendive Short Pine OHV Recreation Area











- Special Recreation Management Area
- Limited to Existing Roads and Trails
- Open OHV
- BLM-admin
- Bnkhd-Jones/LU lands (BLM-admin)
- Private
- BLM-admin road
- Major Rds
- Minor Rds
- Waterways

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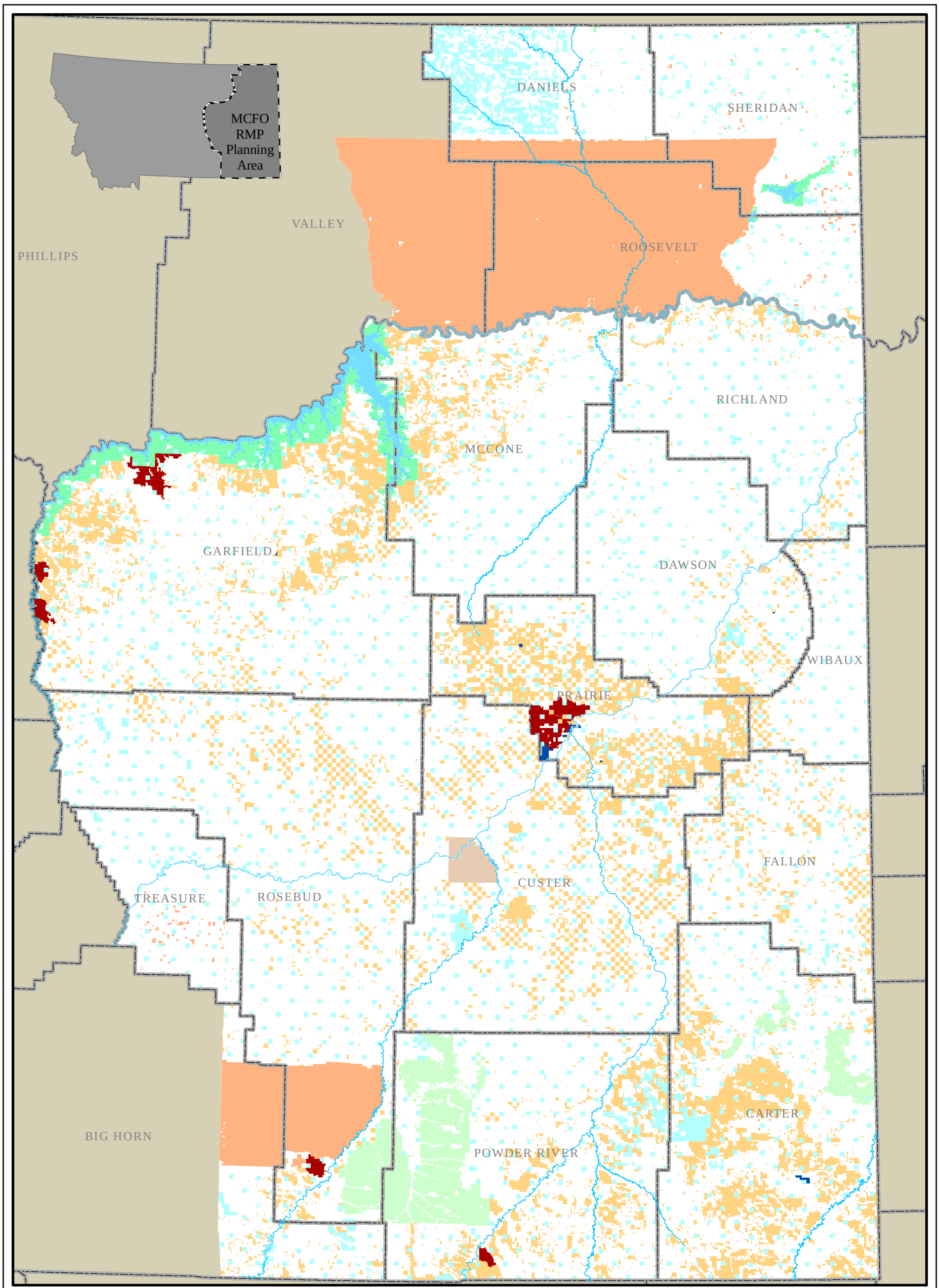
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 0.25 0.5 Miles

Terry OHV Area



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

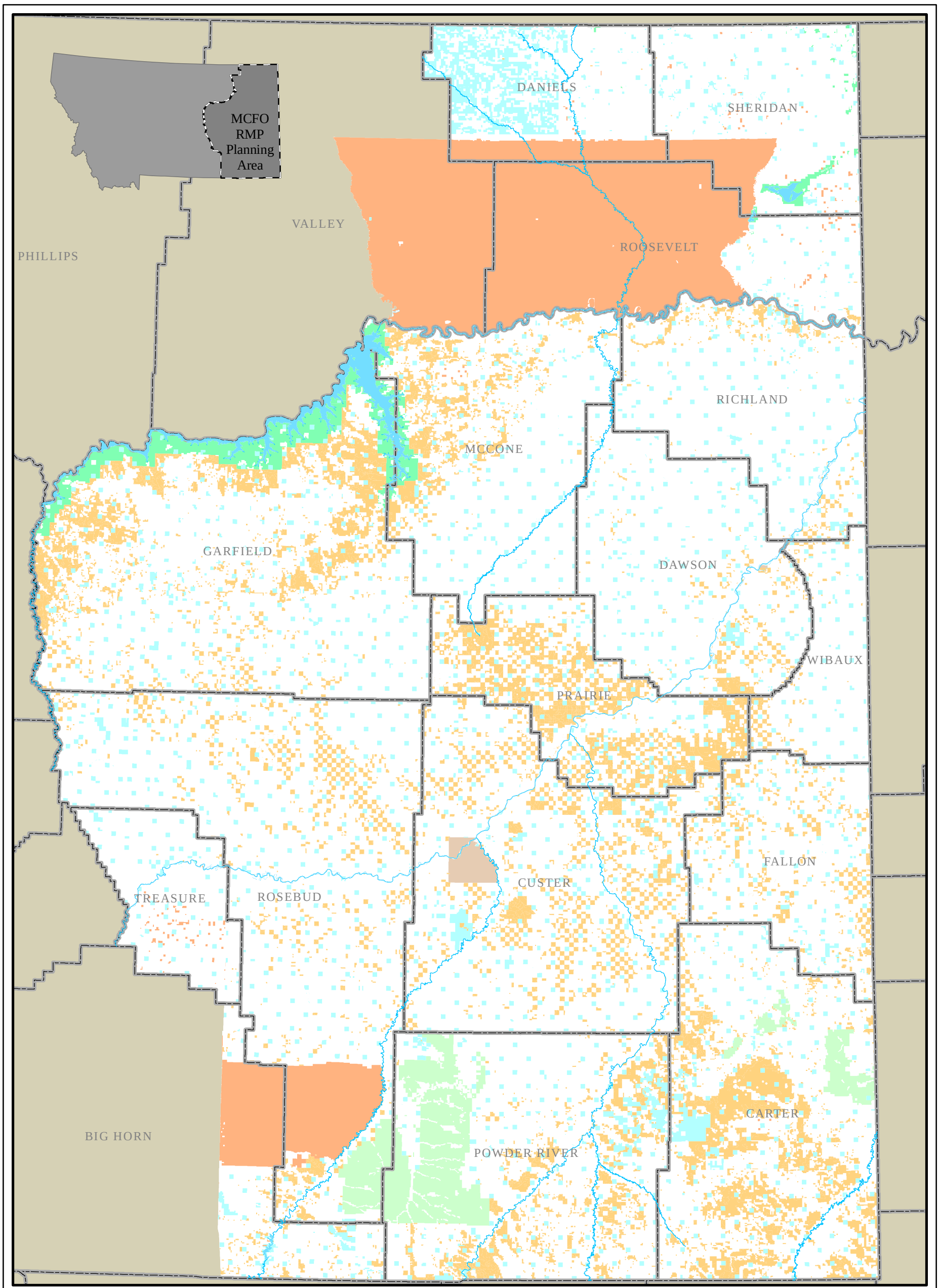
0 5 10 20 30 40 Miles

Exclusion Areas
Avoidance Area
Open Potential Wind Development
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS

The BLM only has jurisdiction within BLM-administered surface management agency lands.

Wind Energy Allocations
Management Common to all Alternatives

Map 29: Wind Energy Allocations - *Management Common to all Alternatives*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

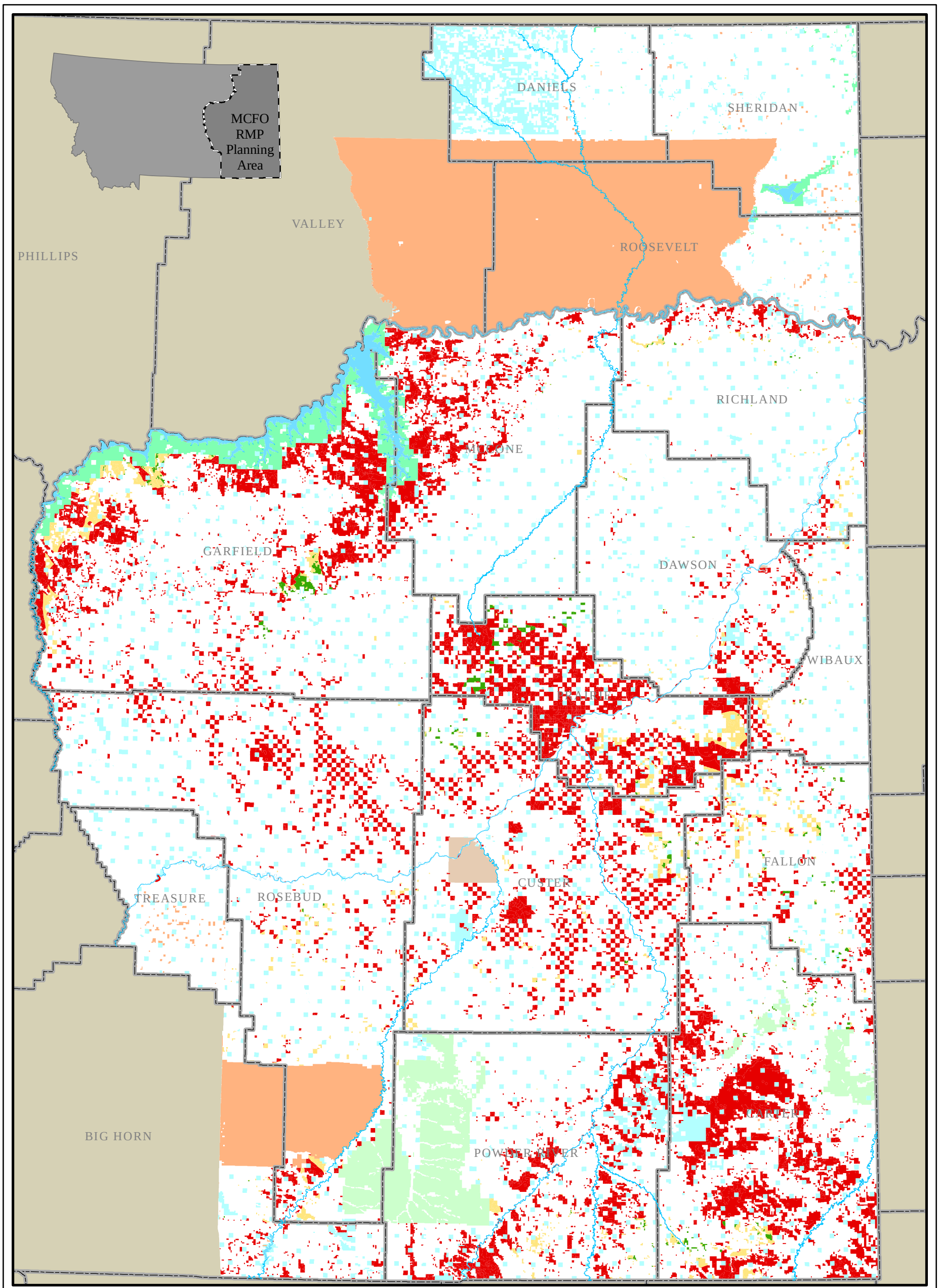
0 5 10 20 30 40 Miles

Open Potential Wind Development
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS

The BLM only has jurisdiction within BLM-administered surface management agency lands.

Wind Energy Allocations
Alternative A

Map 30: Wind Energy Allocations - *Alternative A*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

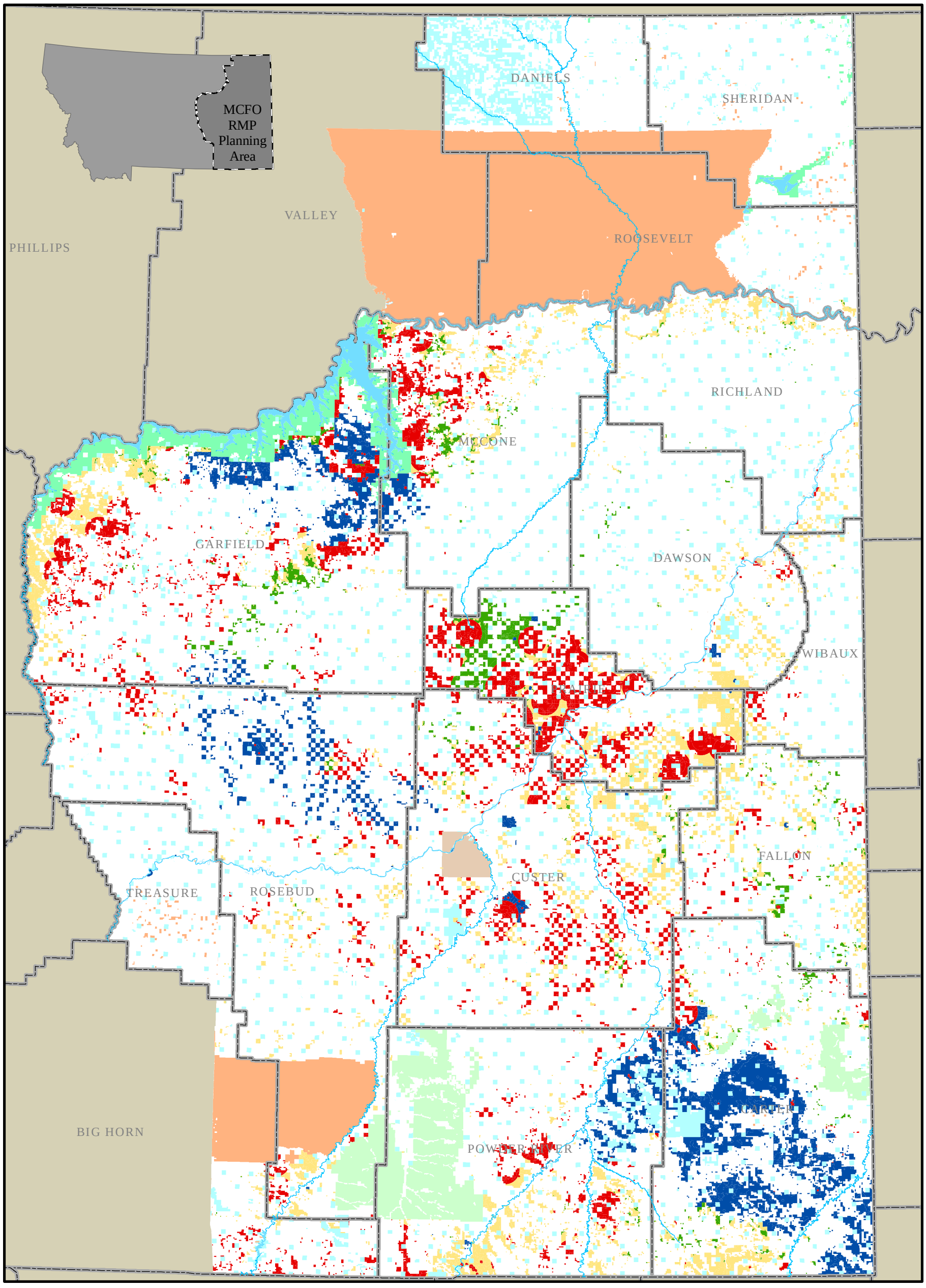
0 5 10 20 30 40 Miles

Open Areas - Class 4-7 (Potential Wind Development Areas)
Open Areas - Class 1-3
Exclusion Areas
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS

The BLM only has jurisdiction within BLM-administered surface management agency lands.

Wind Energy Allocations
Alternative B

Map 31: Wind Energy Allocations - *Alternative B*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Open Areas - Class 4-7 (Potential Wind Development Areas)
Open Areas - Class 1-3

Alt C
Avoidance Areas
Exclusion Areas

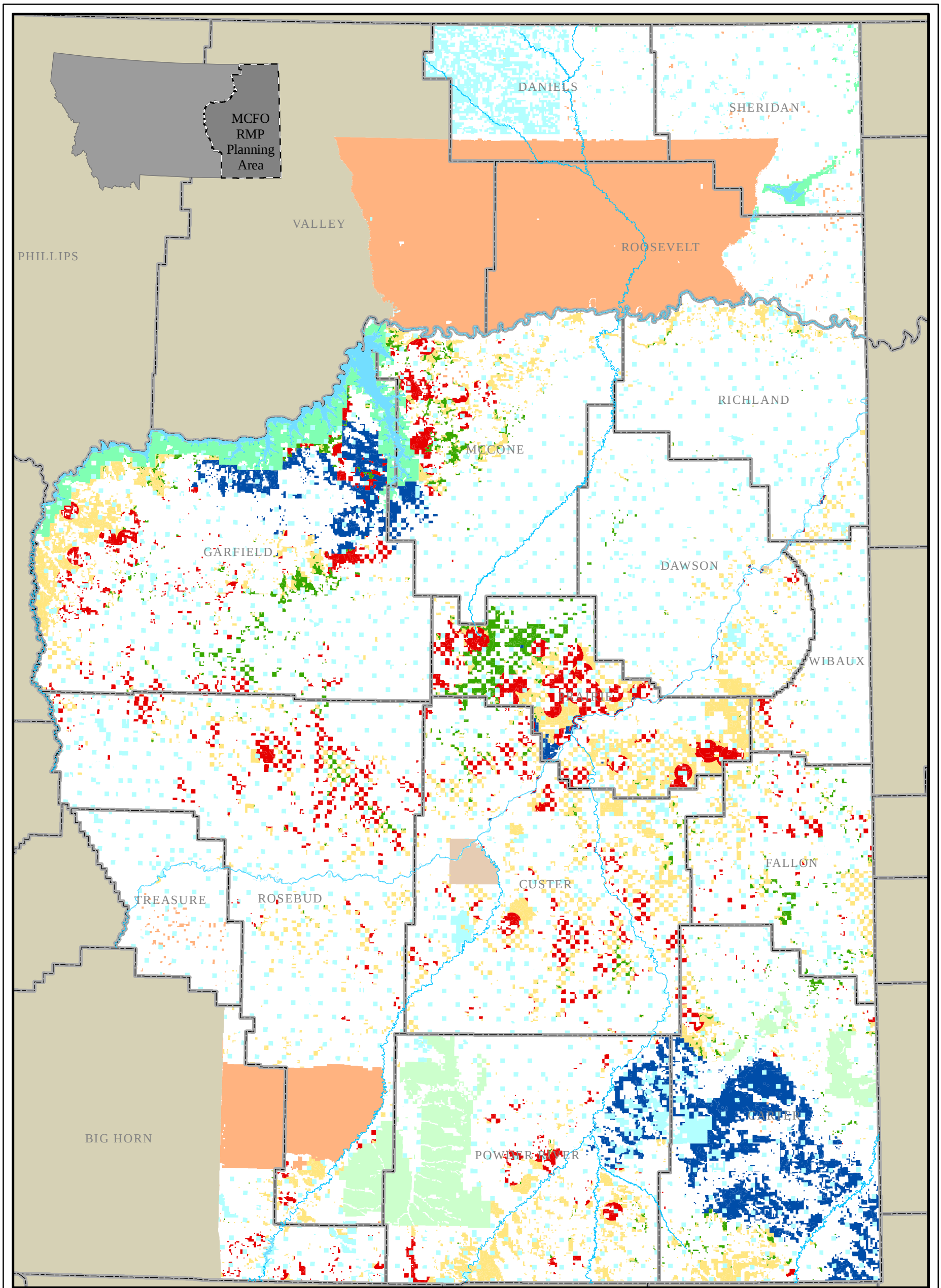
Waterways
Counties
BIA
USFWS

Other Federal
Private
State
USFS

The BLM only has jurisdiction within BLM-administered surface management agency lands.

Wind Energy Allocations
Alternative C

Map 32: Wind Energy Allocations - *Alternative C*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

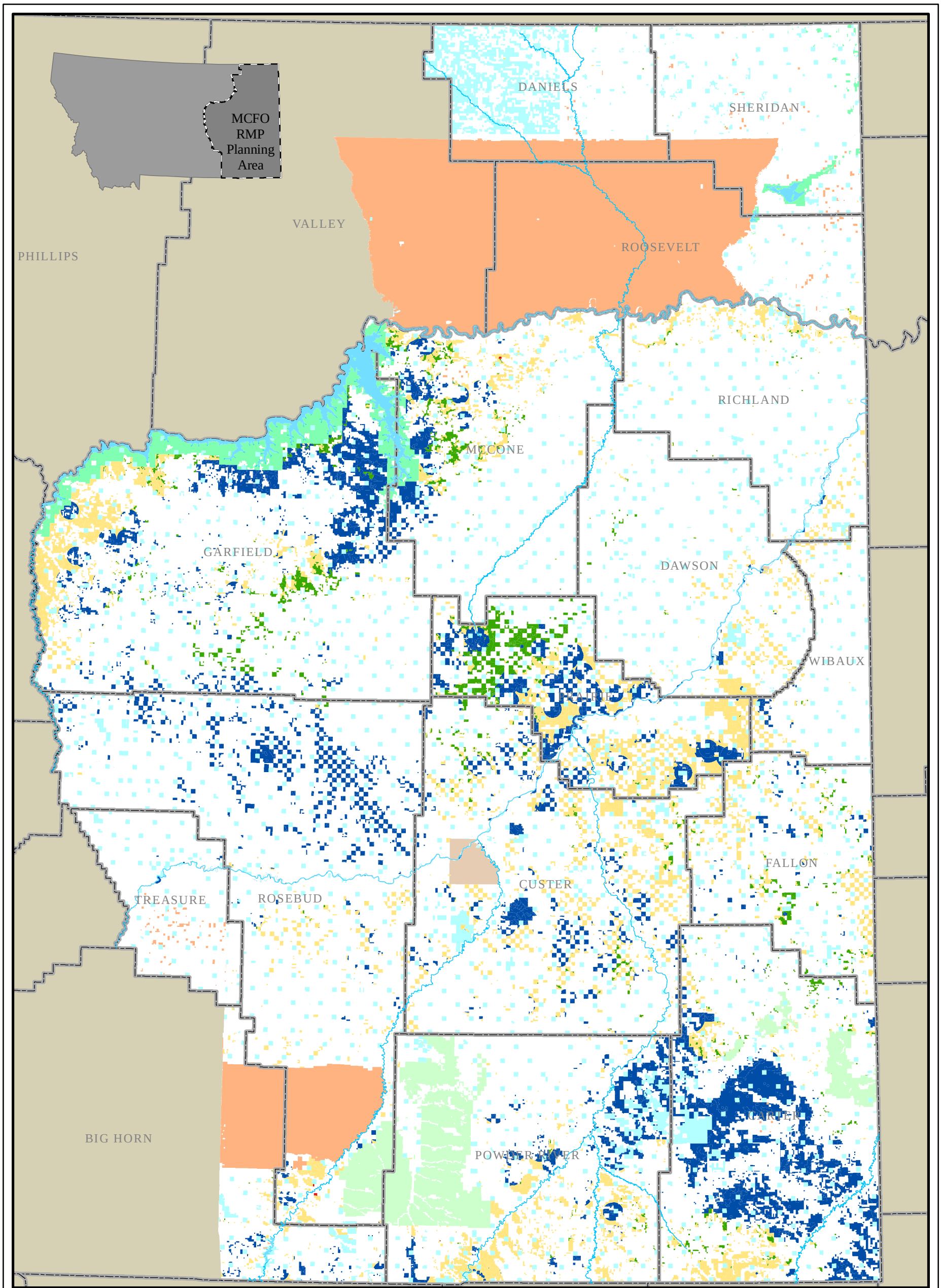
0 5 10 20 30 40 Miles

Open Areas - Class 4-7 (Potential Wind Development Areas)
Open Areas - Class 1-3
Avoidance Areas
Exclusion Areas
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS

The BLM only has jurisdiction within BLM-administered surface management agency lands.

Wind Energy Allocations
Alternative D

Map 33: Wind Energy Allocations - *Alternative D*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

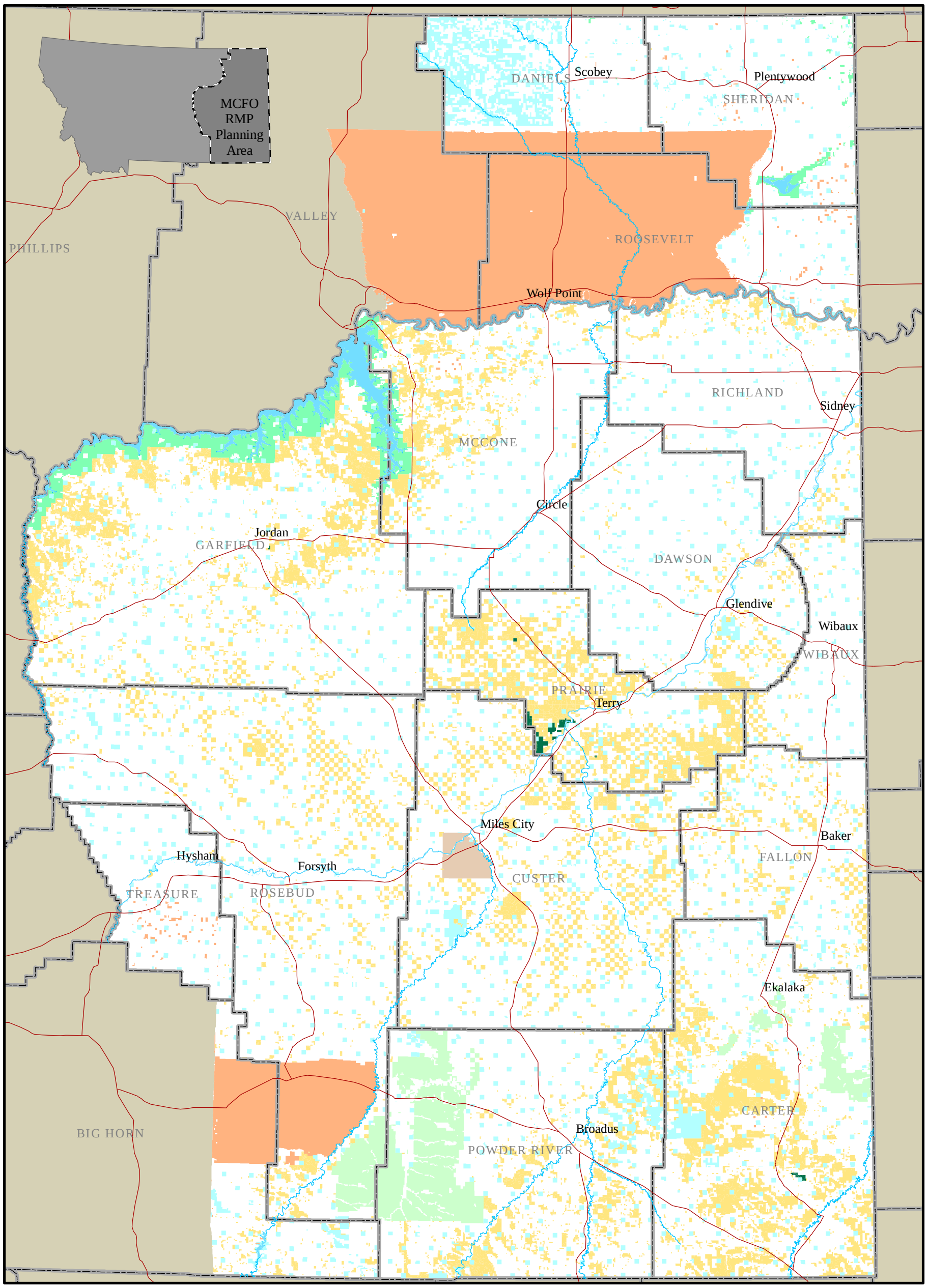
0 5 10 20 30 40 Miles

Open Areas - Class 4-7 (Potential Wind Development Areas)
Open Areas - Class 1-3
Avoidance Areas
Exclusion Areas
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS

The BLM only has jurisdiction within BLM-administered surface management agency lands.

Wind Energy Allocations
Alternative E

Map 34: Wind Energy Allocations - *Alternative E*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

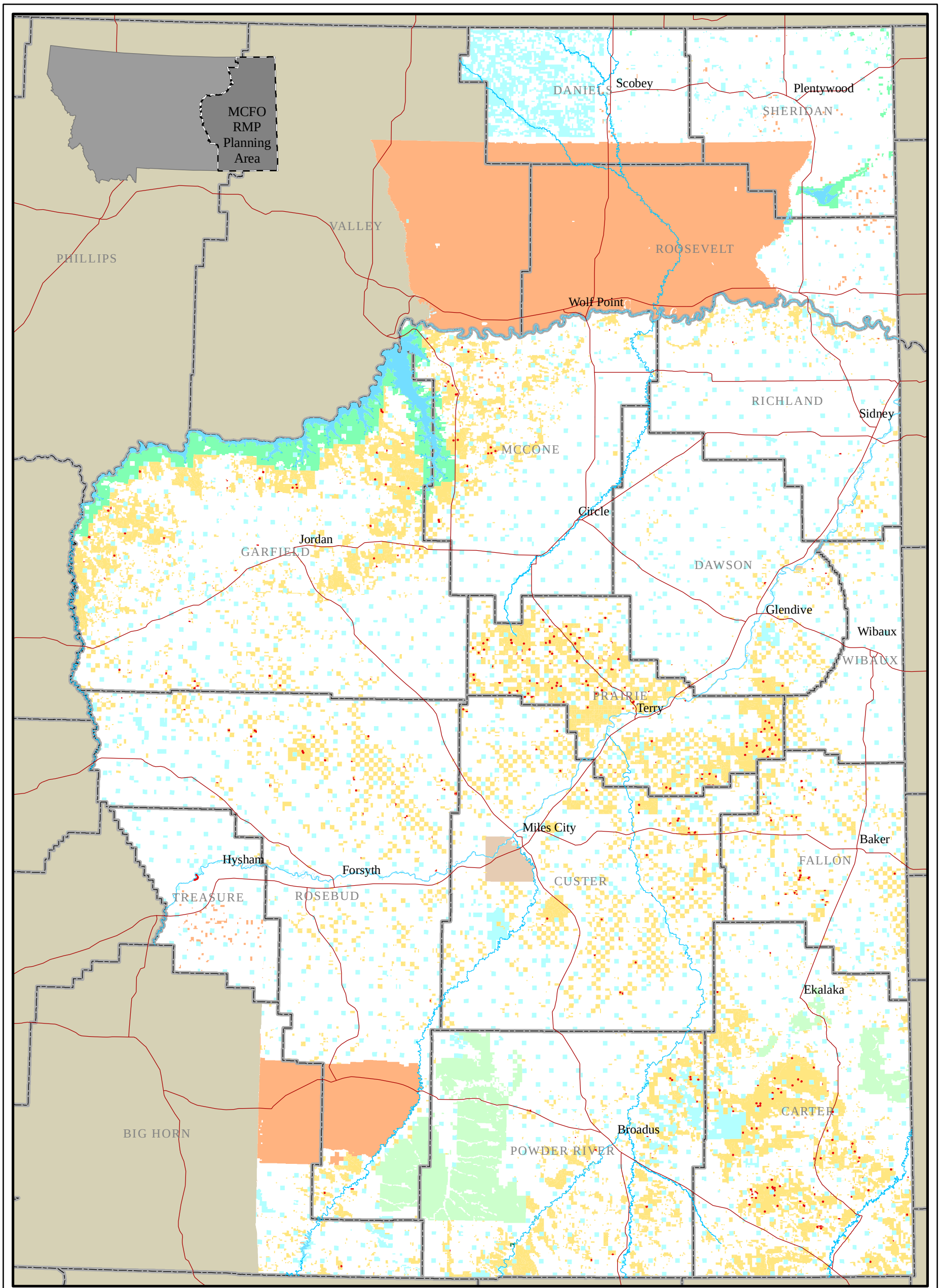
0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS
Avoid (BLM-admin)
Allowed (BLM-admin)

Rights-of-Way and Other Land Use Authorization Avoidance Areas (excluding Renewable Energy)

Management Common to all Alternatives

Map 35: ROW Authorizations - *Management Common to all Alternatives*



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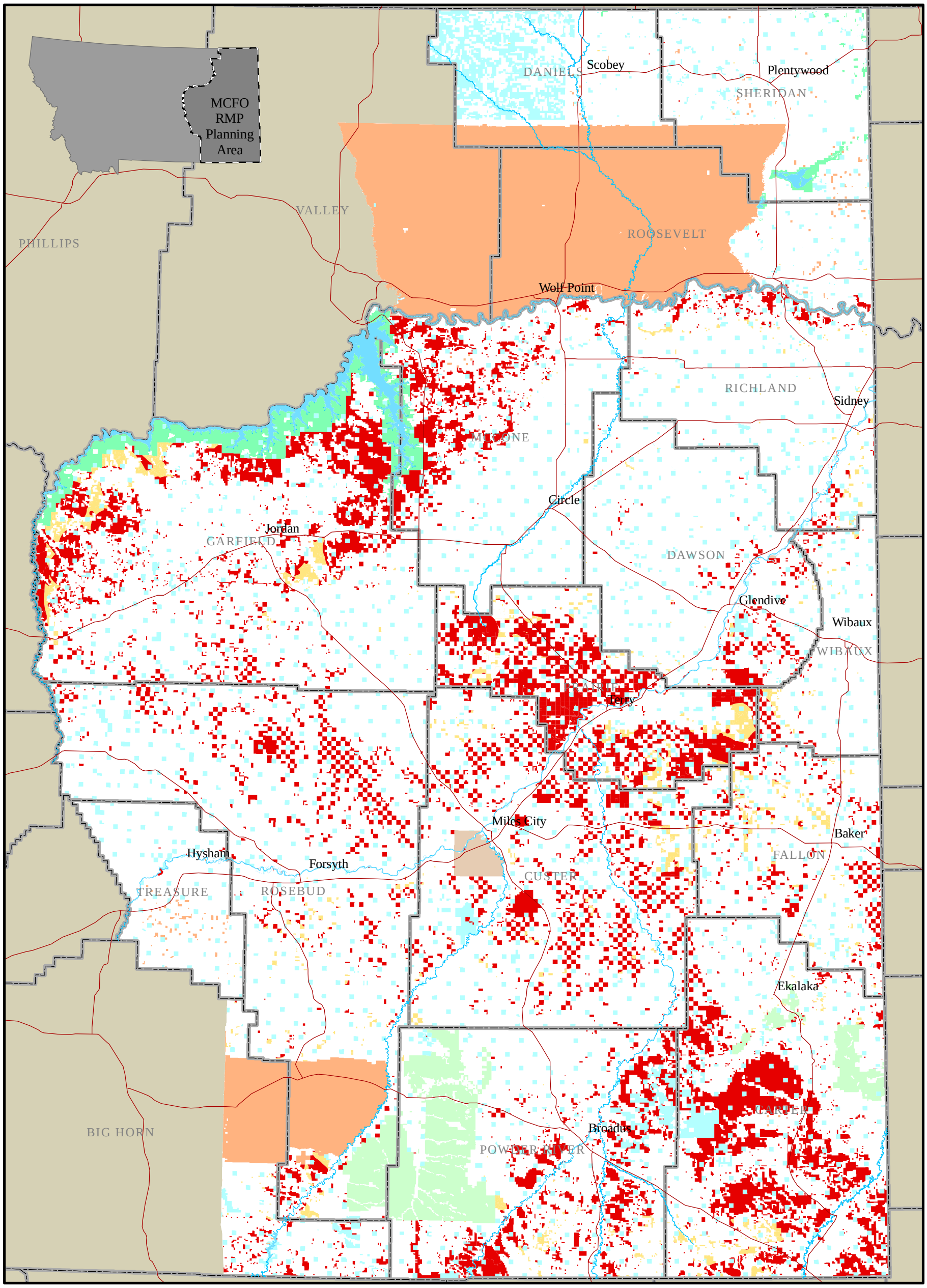
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS
Exclude (BLM-admin)
Avoid (BLM-admin)
Allowed (BLM-admin)

Rights-of-Way and Other Land Use Authorization Exclusion and Avoidance Areas (excluding Renewable Energy) *Alternative A*

Map 36: ROW Authorizations - *Alternative A*



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MILES CITY FIELD OFFICE

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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

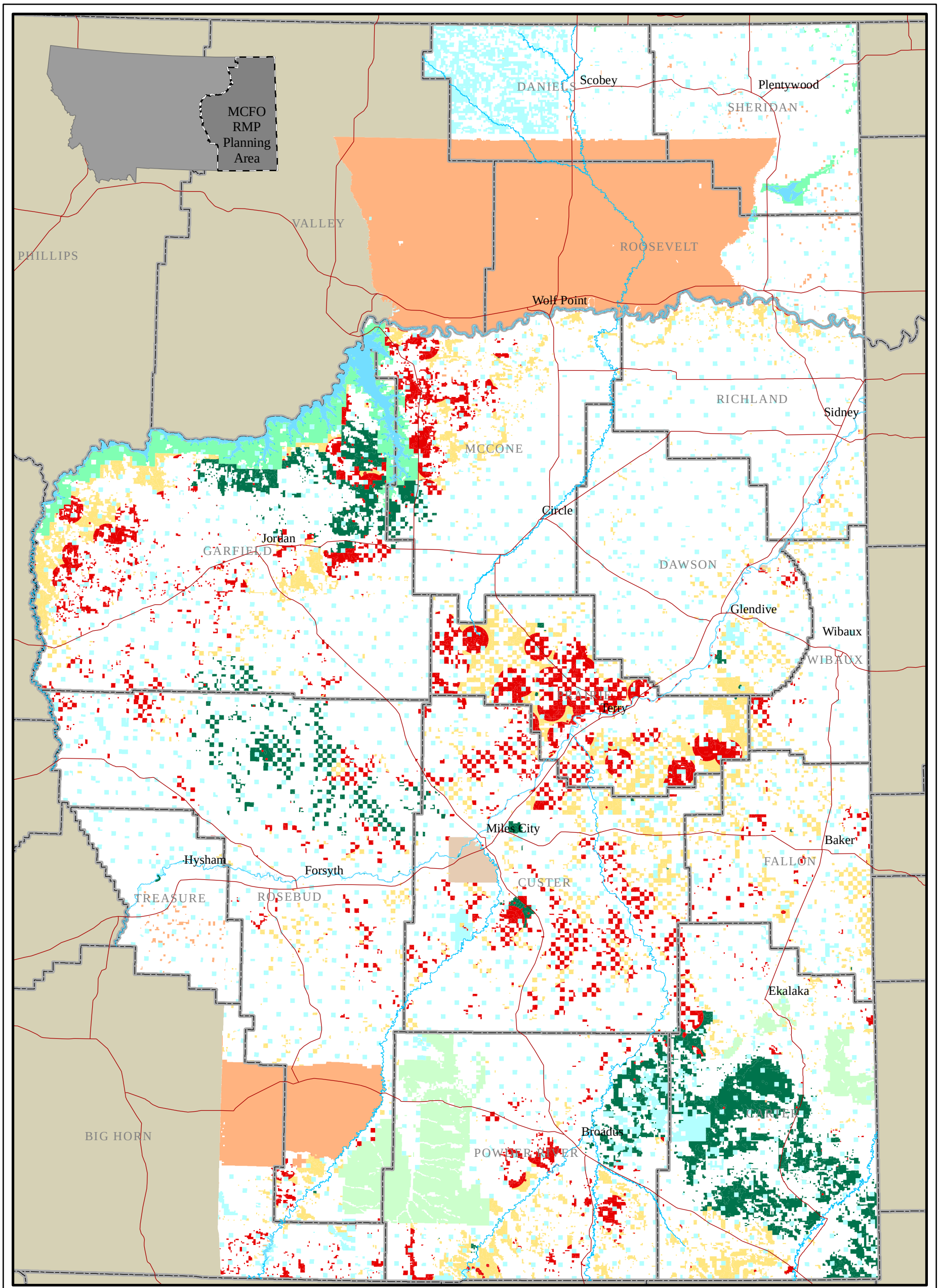
0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS
Exclude (BLM-admin)
Open (BLM-admin)

Rights-of-Way and Other Land Use Authorization Exclusion Areas (excluding Renewable Energy)

Alternative B

Map 37: ROW Authorizations - *Alternative B*



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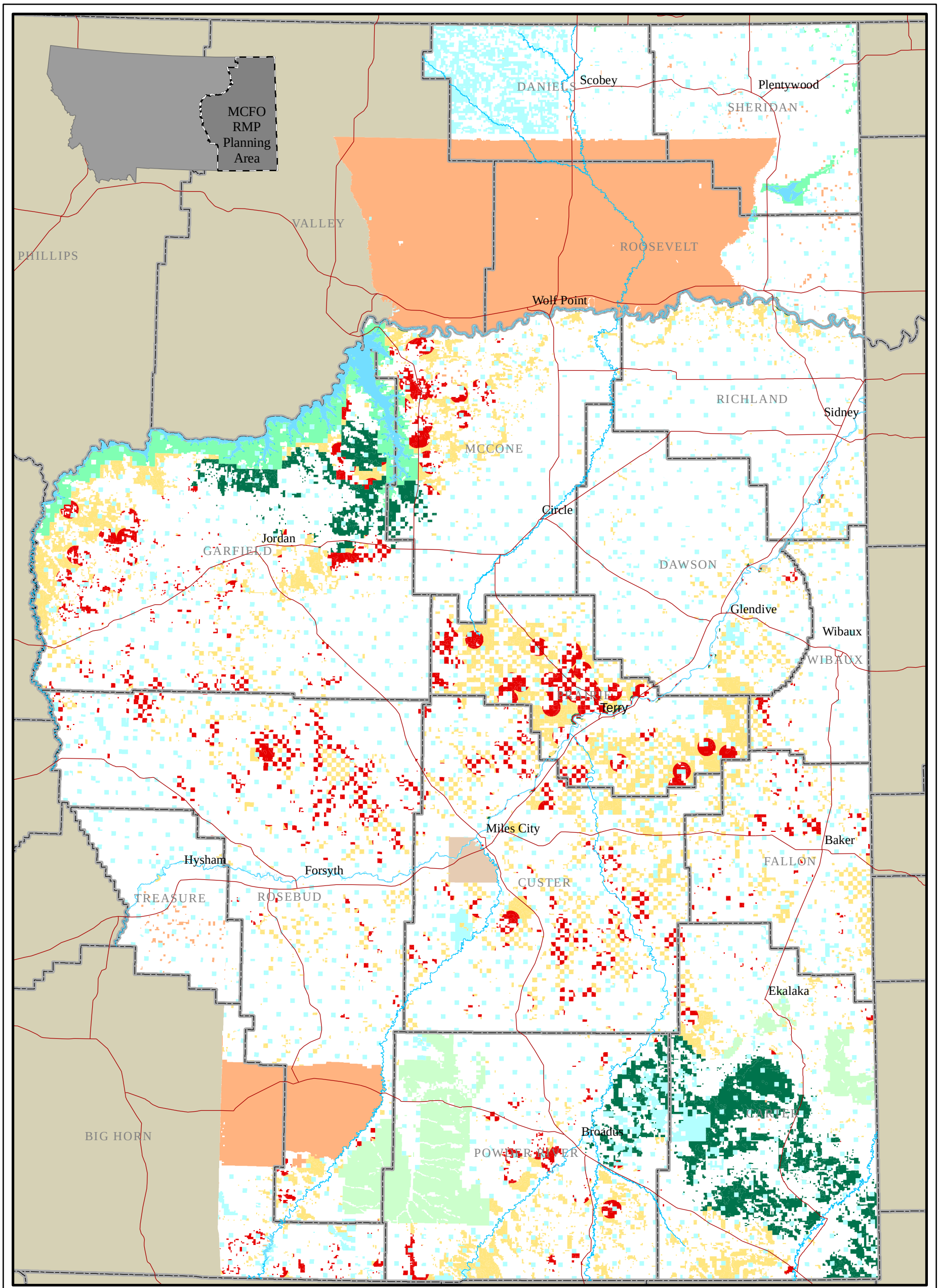
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS
Exclude (BLM-admin)
Avoid (BLM-admin)
Allowed (BLM-admin)

Rights-of-Way and Other Land Use Authorization Exclusion and Avoidance Areas (excluding Renewable Energy) *Alternative C*

Map 38: ROW Authorizations - *Alternative C*



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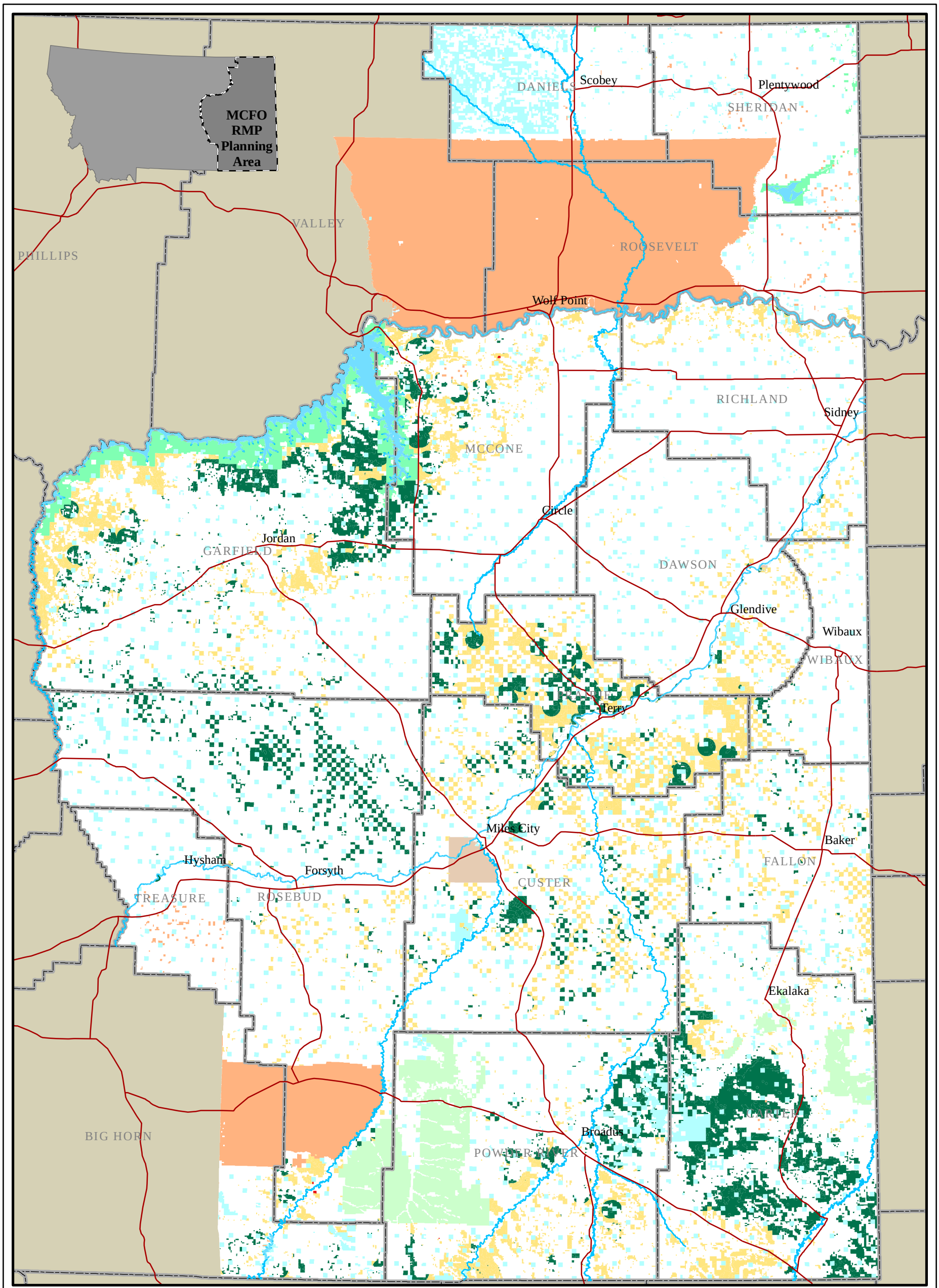
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS
Exclude (BLM)
Avoid (BLM)
Allowed (BLM)

Rights-of-Way and Other Land Use Authorization Exclusion and Avoidance Areas (excluding Renewable Energy) *Alternative D*

Map 39: ROW Authorizations - *Alternative D*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
USFWS
Other Federal
Private
State
USFS
Exclude (BLM-admin)
Avoid (BLM-admin)
Allowed (BLM-admin)

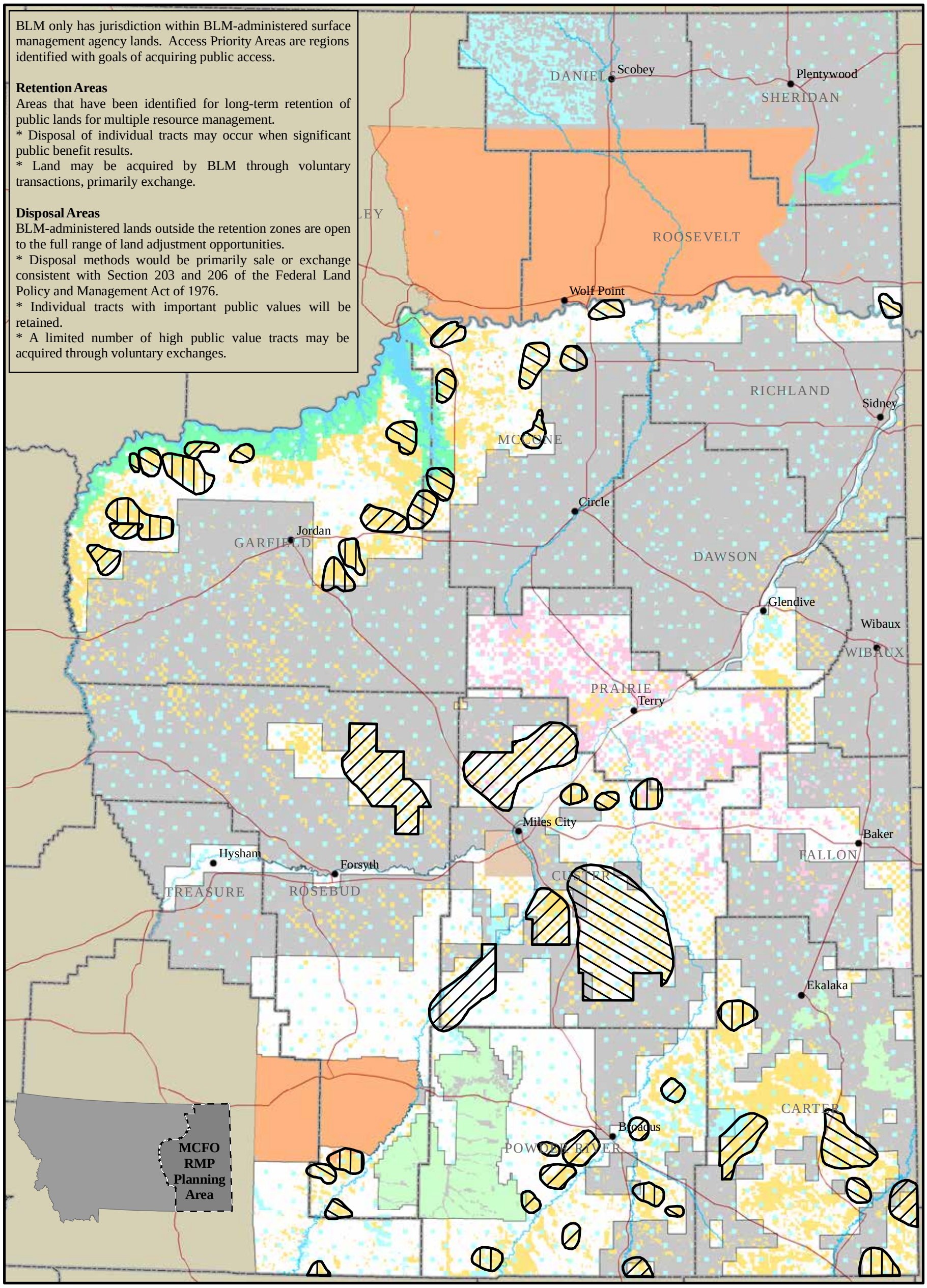
Rights-of-Way and Other Land Use Authorization Exclusion and Avoidance Areas (excluding Renewable Energy) *Alternative E*

Map 40: ROW Authorizations - *Alternative E*

BLM only has jurisdiction within BLM-administered surface management agency lands. Access Priority Areas are regions identified with goals of acquiring public access.

Retention Areas
Areas that have been identified for long-term retention of public lands for multiple resource management.
* Disposal of individual tracts may occur when significant public benefit results.
* Land may be acquired by BLM through voluntary transactions, primarily exchange.

Disposal Areas
BLM-administered lands outside the retention zones are open to the full range of land adjustment opportunities.
* Disposal methods would be primarily sale or exchange consistent with Section 203 and 206 of the Federal Land Policy and Management Act of 1976.
* Individual tracts with important public values will be retained.
* A limited number of high public value tracts may be acquired through voluntary exchanges.



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 2.5 5 10 15 20 Miles

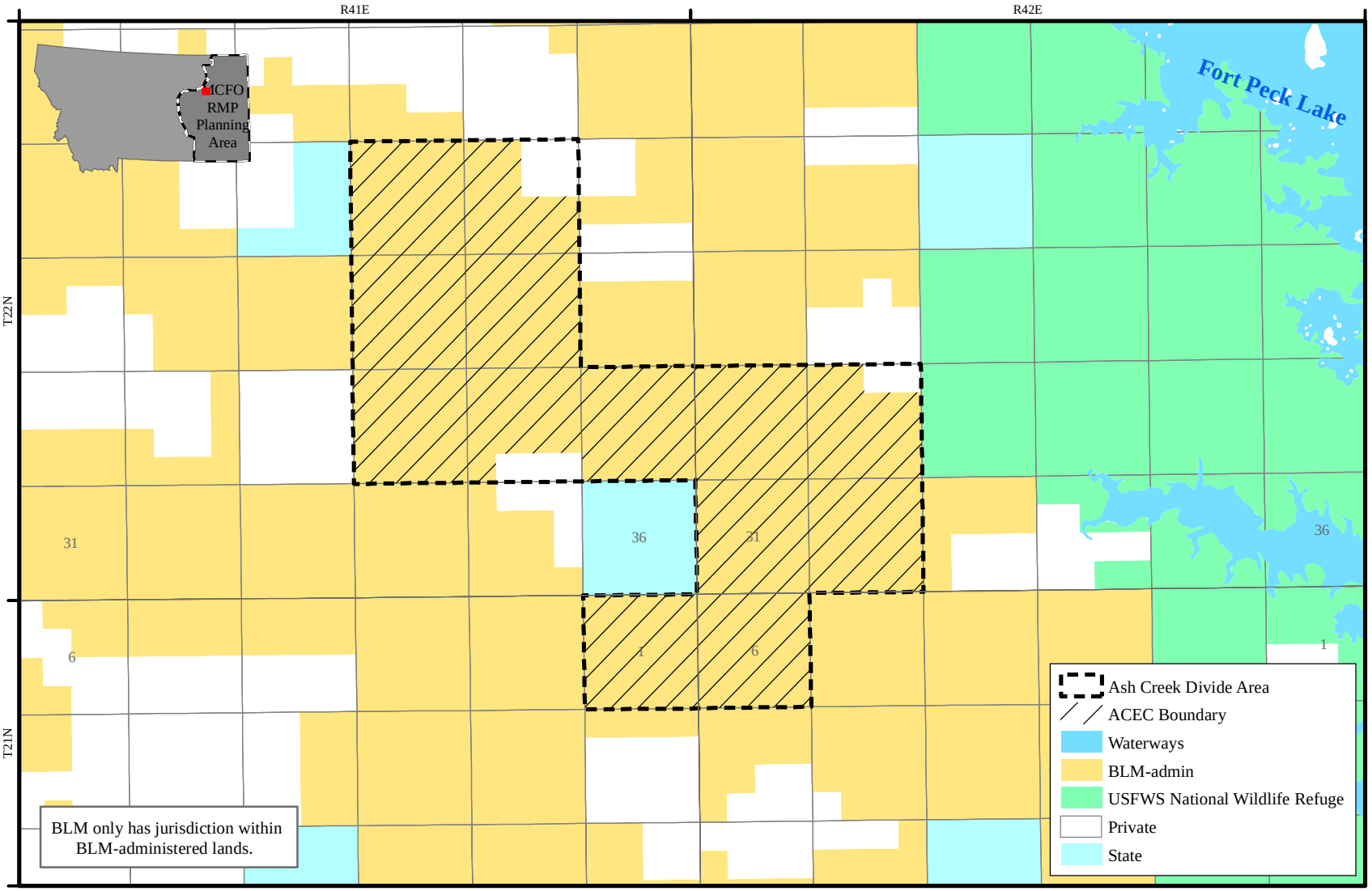
Retention Area
Disposal Area
Access Goals / Priority Areas
High
Medium
Low

Major Rds
Waterways
Counties
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)

USFWS
Other Federal
Private
State
USFS

Land Pattern Adjustment and Access

Map 41: Land Pattern Adjustment and Access



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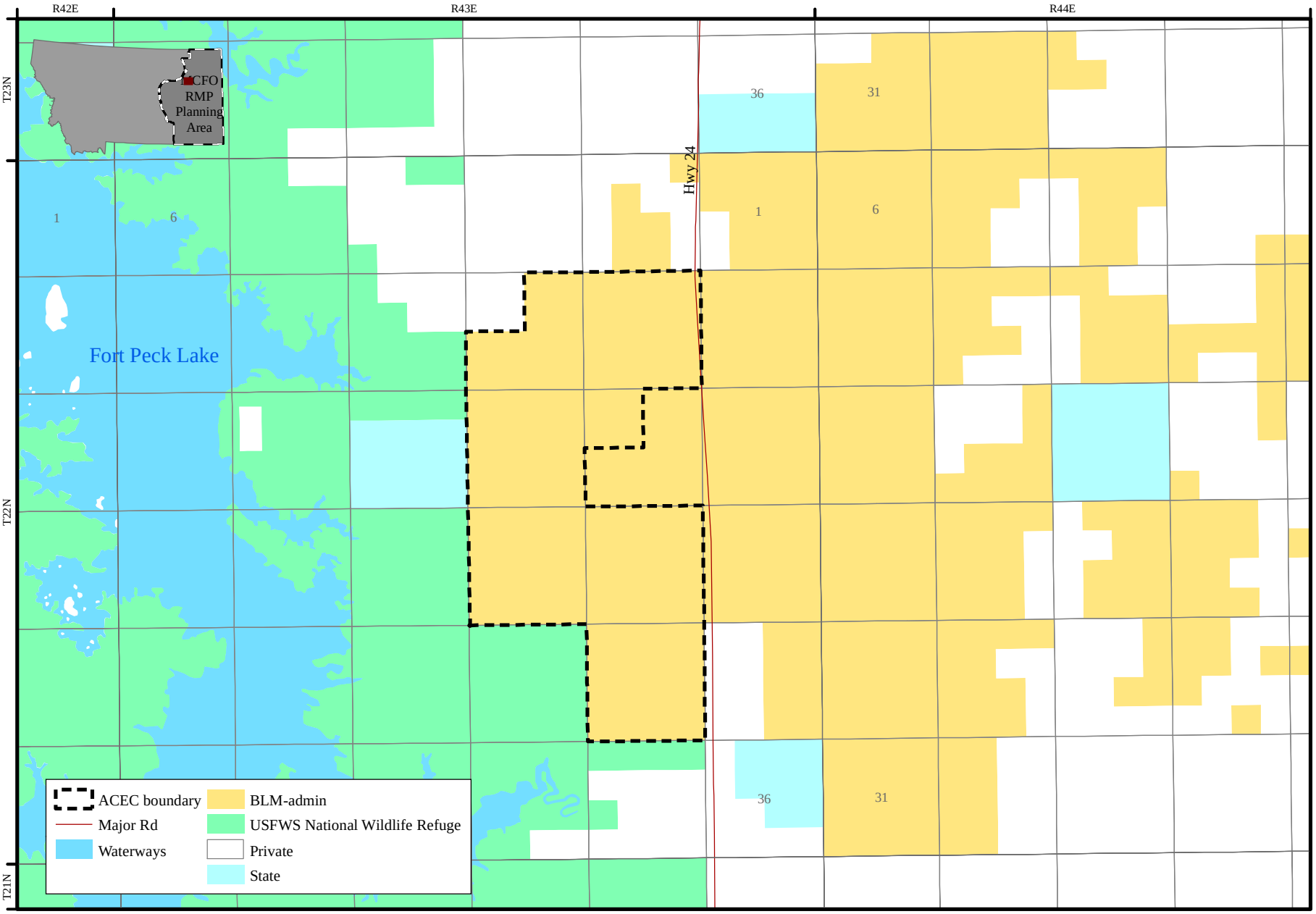
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 0.375 0.75 1.5 Miles

Area of Critical Environmental Concern
Ash Creek Divide

Map 42: ACEC - *Ash Creek Divide*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

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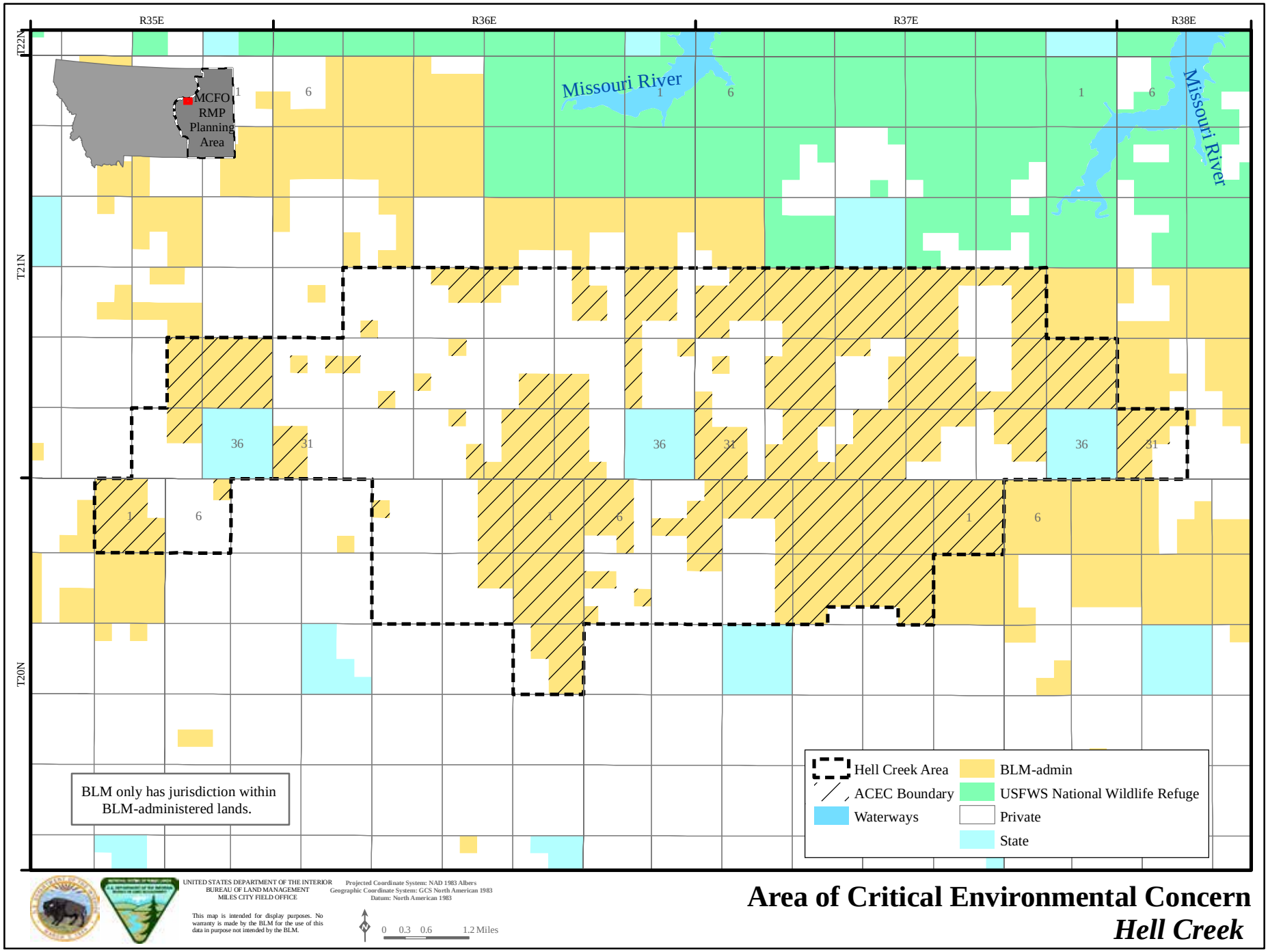
0 0.25 0.5 1 Miles

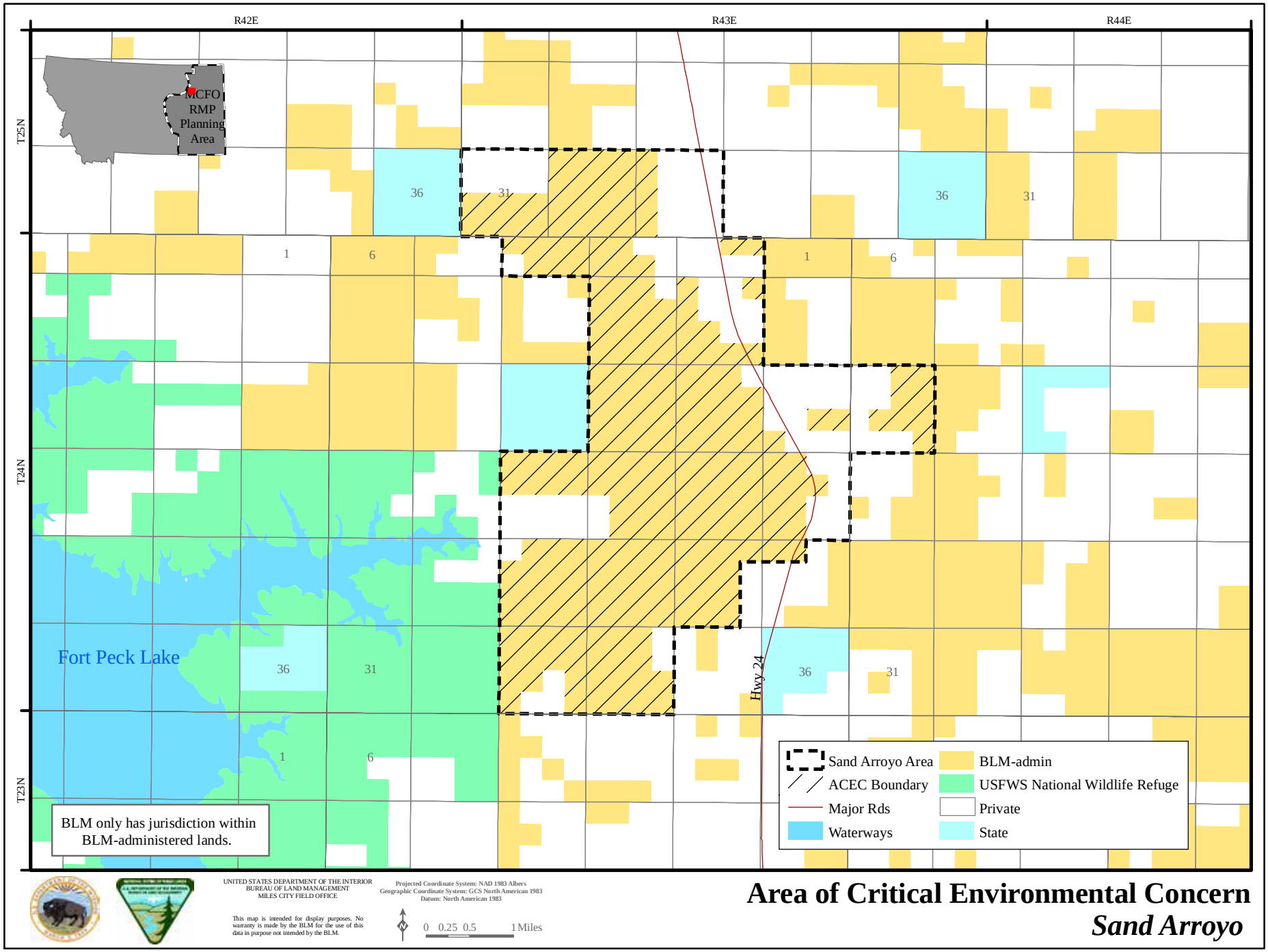
Area of Critical Environmental Concern
Bug Creek

Map 43: ACEC - *Bug Creek*



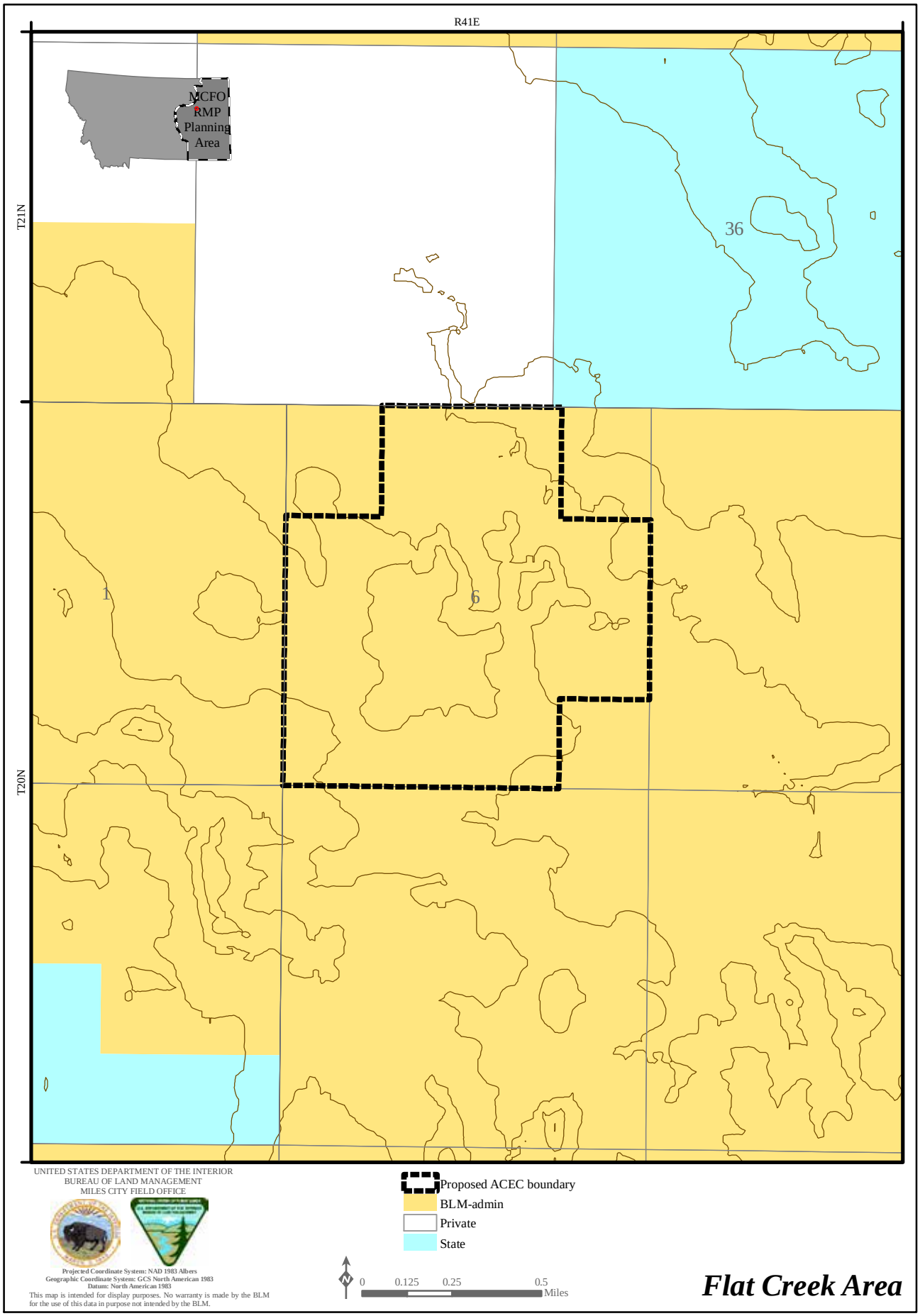
MAP-44

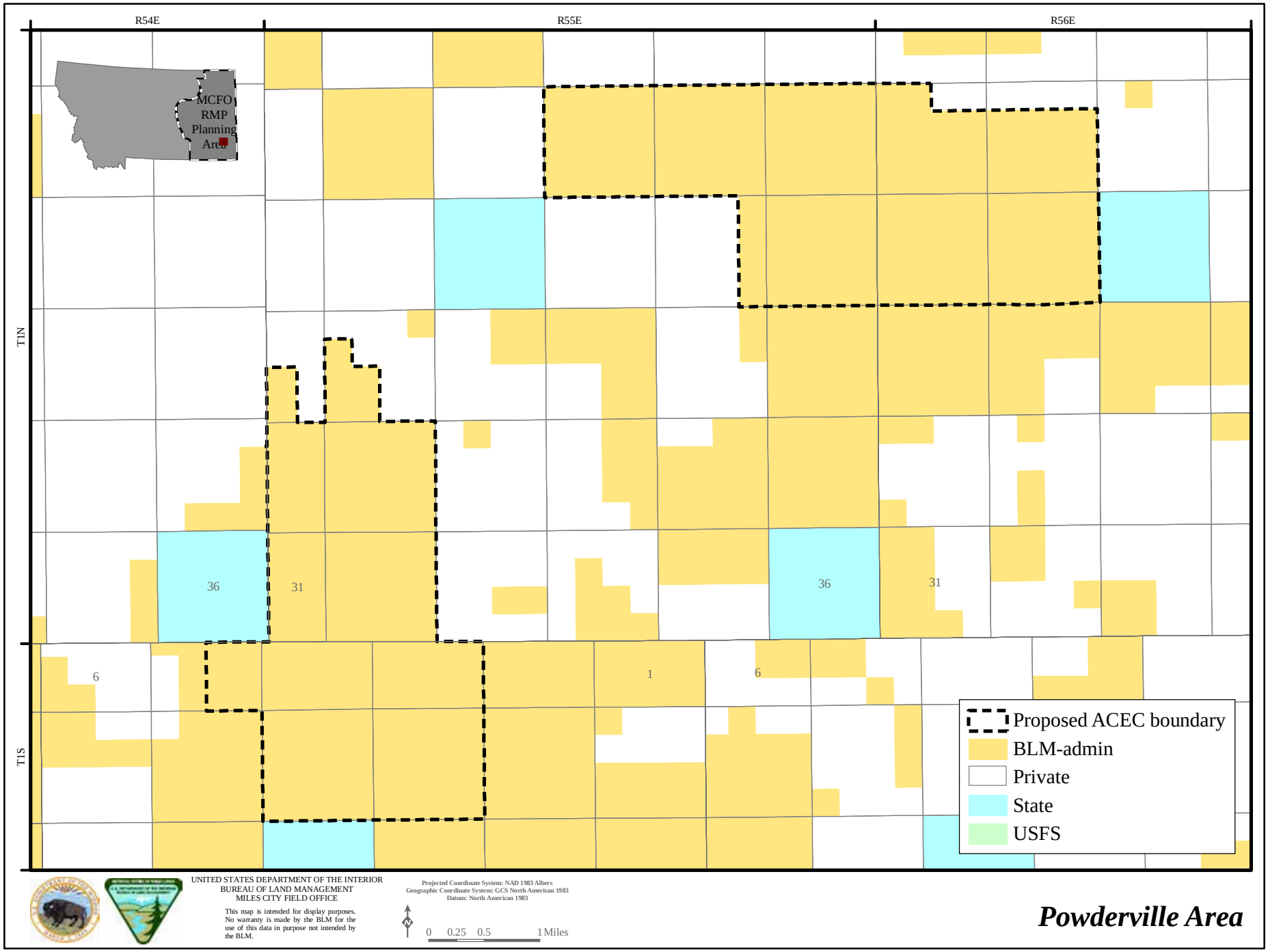
Map 44: ACEC - *Hell Creek*



Map 45: ACEC - *Sand Arroyo*

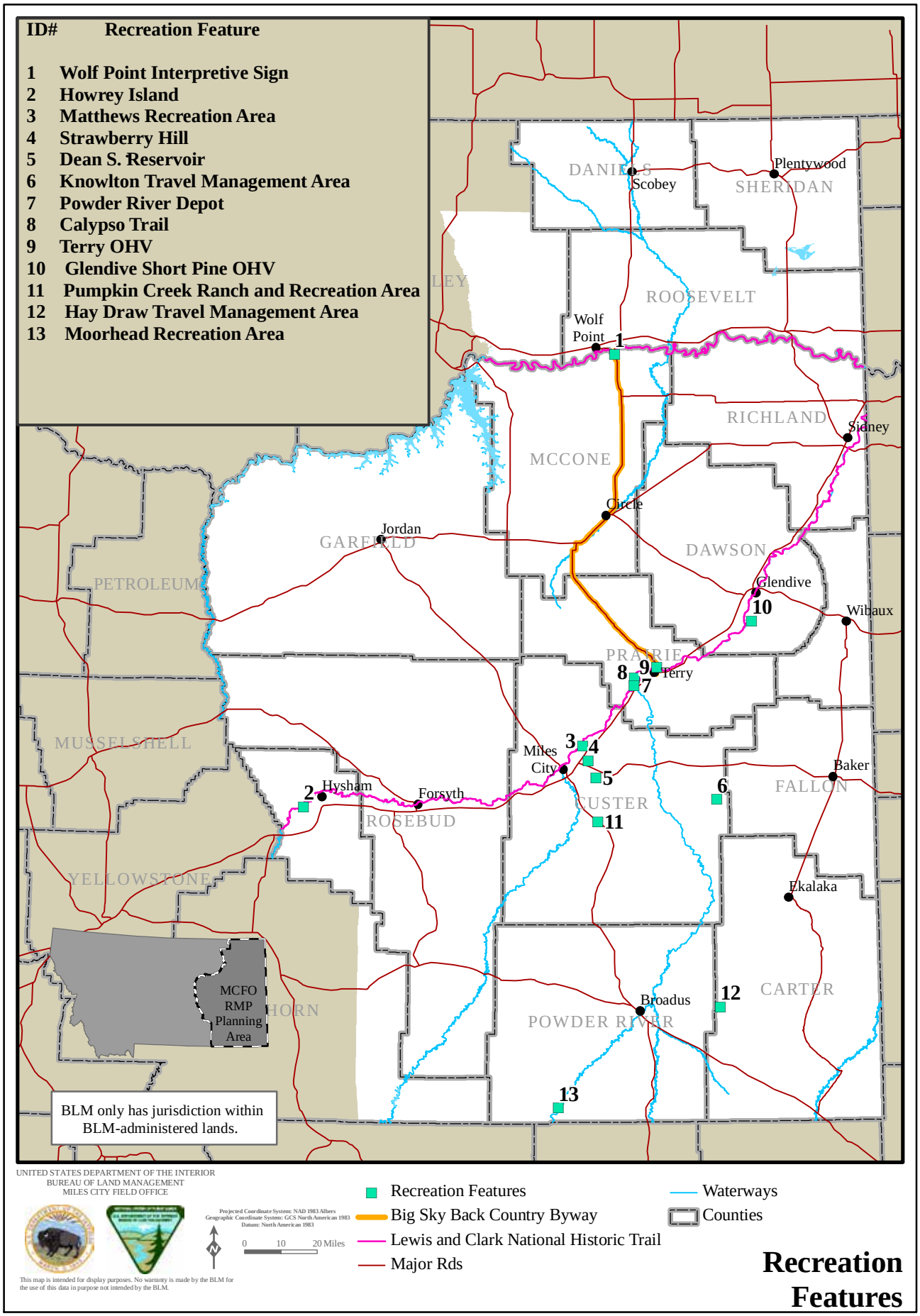
Map 46: *Flat Creek*

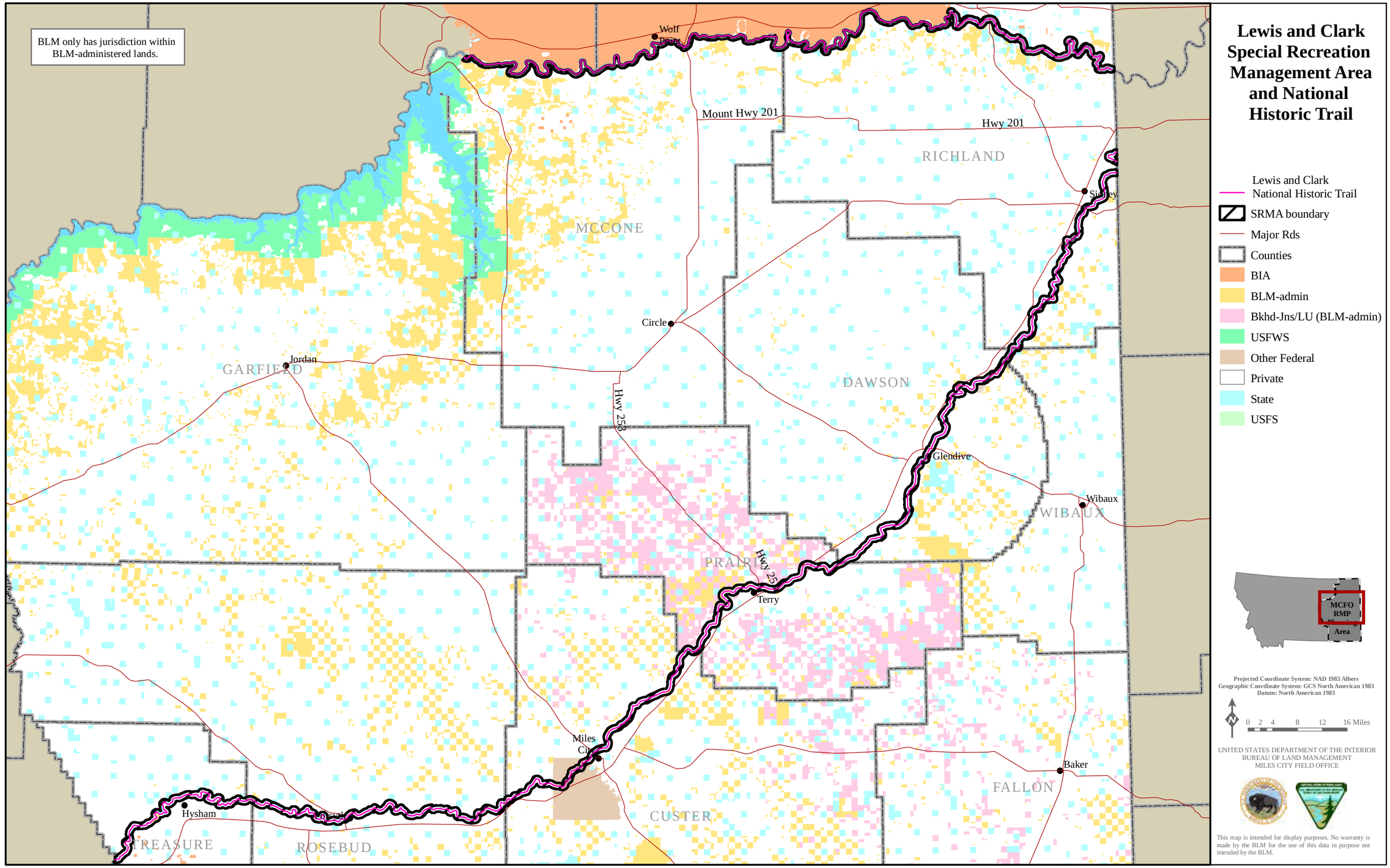




MAP-47

Map 47: *Powderville Area*


ID# Recreation Feature
1 Wolf Point Interpretive Sign
2 Howrey Island
3 Matthews Recreation Area
4 Strawberry Hill
5 Dean S. Reservoir
6 Knowlton Travel Management Area
7 Powder River Depot
8 Calypso Trail
9 Terry OHV
10 Glendive Short Pine OHV
11 Pumpkin Creek Ranch and Recreation Area
12 Hay Draw Travel Management Area
13 Moorhead Recreation Area
DANIELS
Scobey
Plentywood
SHERIDAN
ROOSEVELT
Wolf Point
RICHLAND
Sidney
MCCONE
Circle
Jordan
GARFIELD
DAWSON
PETROLEUM
Glendive
Wibaux
PRAIRIE
Terry
MUSSELSHELL
Miles City
Baker
Hysham
Forsyth
ROSEBUD
CUSTER
FALLON
YELLOWSTONE
Ekalaka
MCFO RMP Planning Area
Broadus
CARTER
POWDER RIVER
BLM only has jurisdiction within BLM-administered lands.
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MILES CITY FIELD OFFICE
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983
0 10 20 Miles
This map is intended for display purposes. No warranty is made by the BLM for the use of this data in purpose not intended by the BLM.
Recreation Features
Big Sky Back Country Byway
Lewis and Clark National Historic Trail
Major Rds
Waterways
Counties
Recreation Features


BLM only has jurisdiction within BLM-administered lands.
Lewis and Clark Special Recreation Management Area and National Historic Trail
Lewis and Clark National Historic Trail
SRMA boundary
Major Rds
Counties
BIA
BLM-admin
Bkhd-Jns/LU (BLM-admin)
USFWS
Other Federal
Private
State
USFS
Wolf
Mount Hwy 201
Hwy 201
RICHLAND
Sidney
MCCONE
Circle
Jordan
GARFIELD
DAWSON
Hwy 253
Glendive
Wibaux
WIBAUX
PRAIRIE
Hwy 25
Terry
Miles City
Baker
FALLON
CUSTER
Hysham
TREASURE
ROSEBUD
MCFO RMP Planning Area
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983
0 2 4 8 12 16 Miles
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MILES CITY FIELD OFFICE
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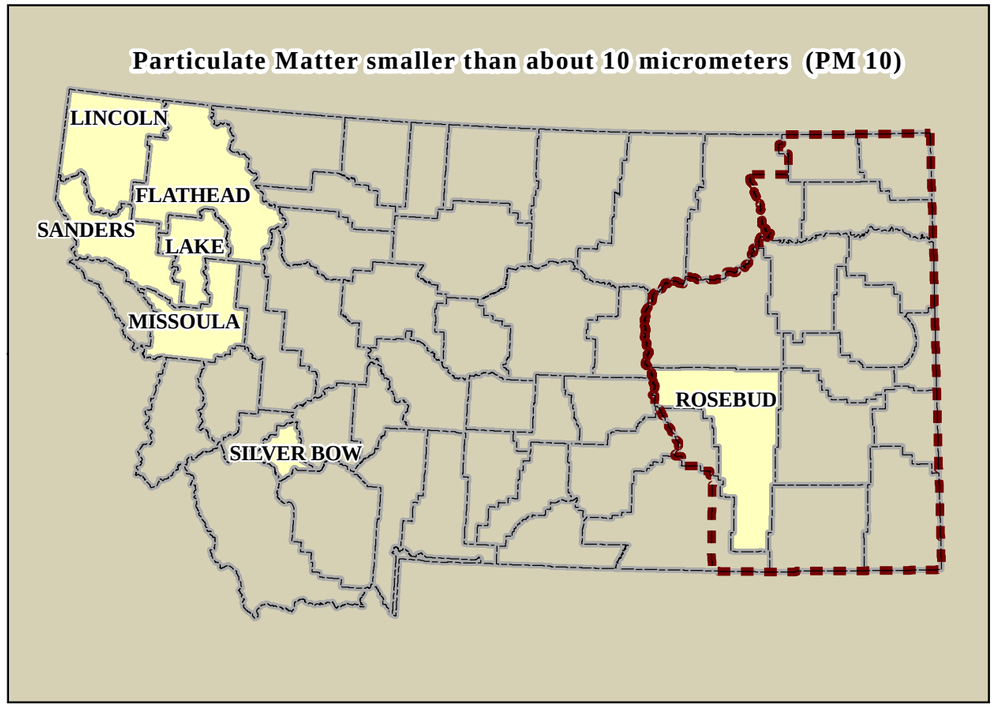

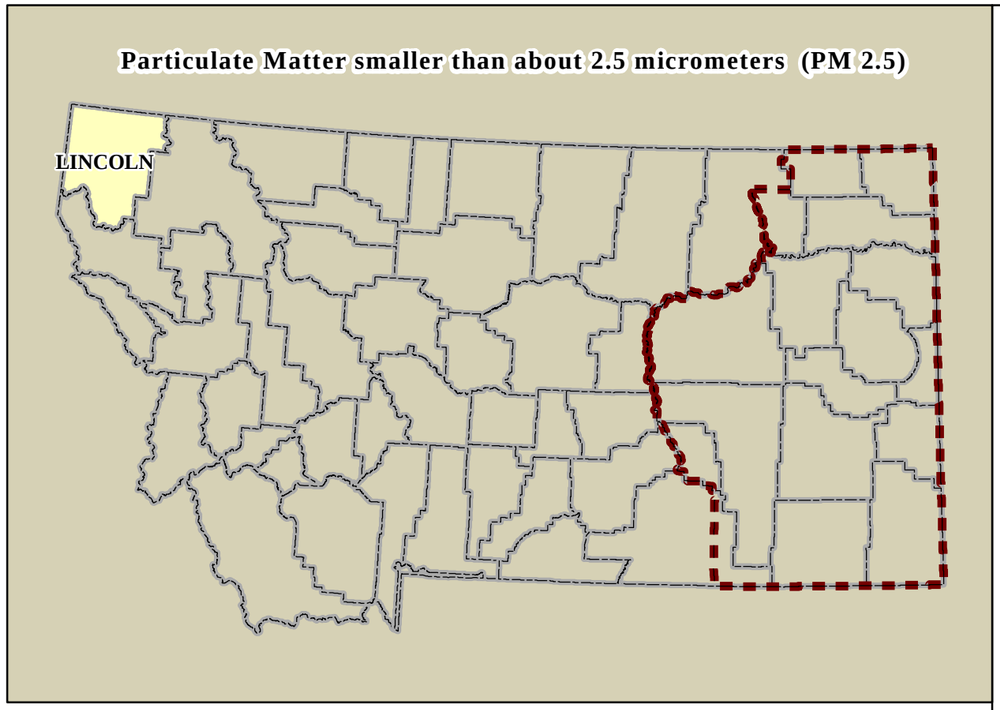

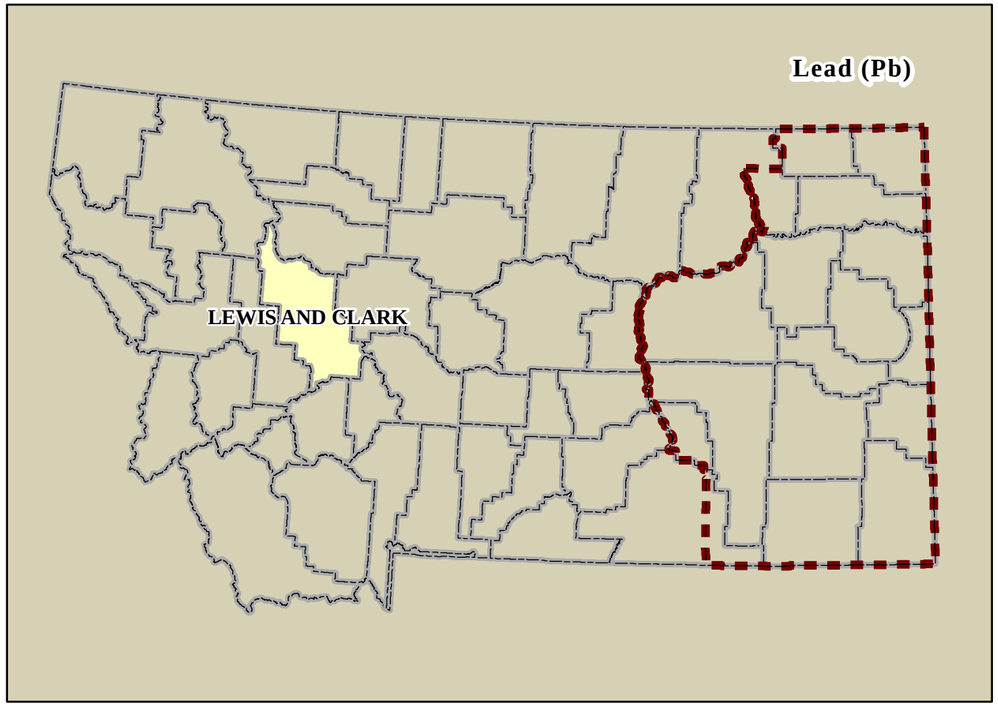

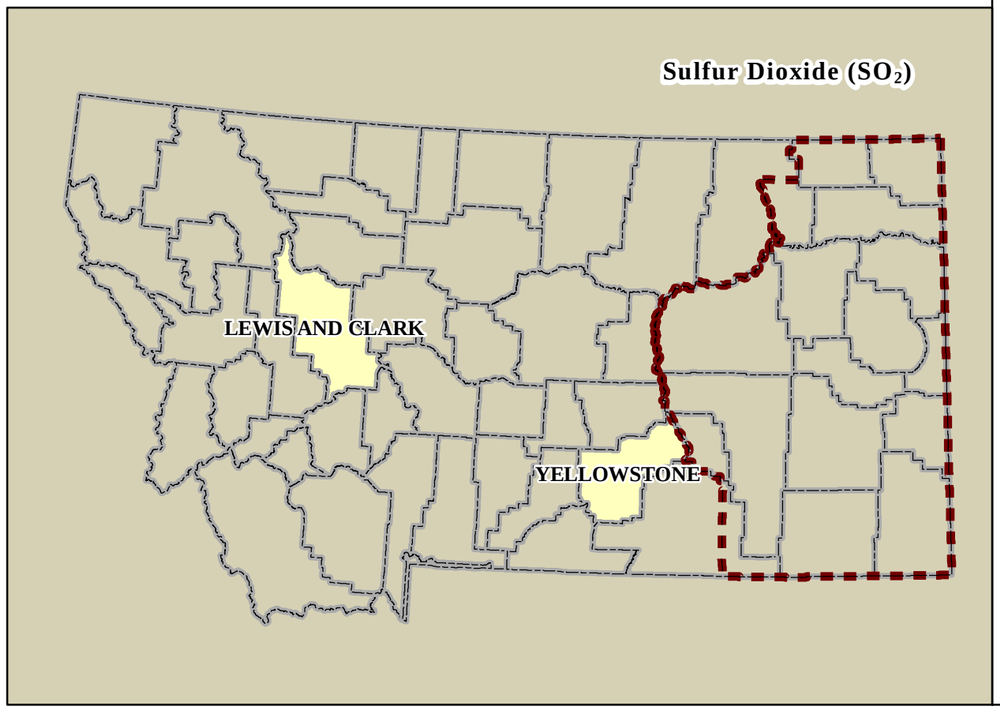

AIR QUALITY

Nonattainment Counties

Nonattainment County
Field Office Boundary
County

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

N

0 15 30 60 Miles

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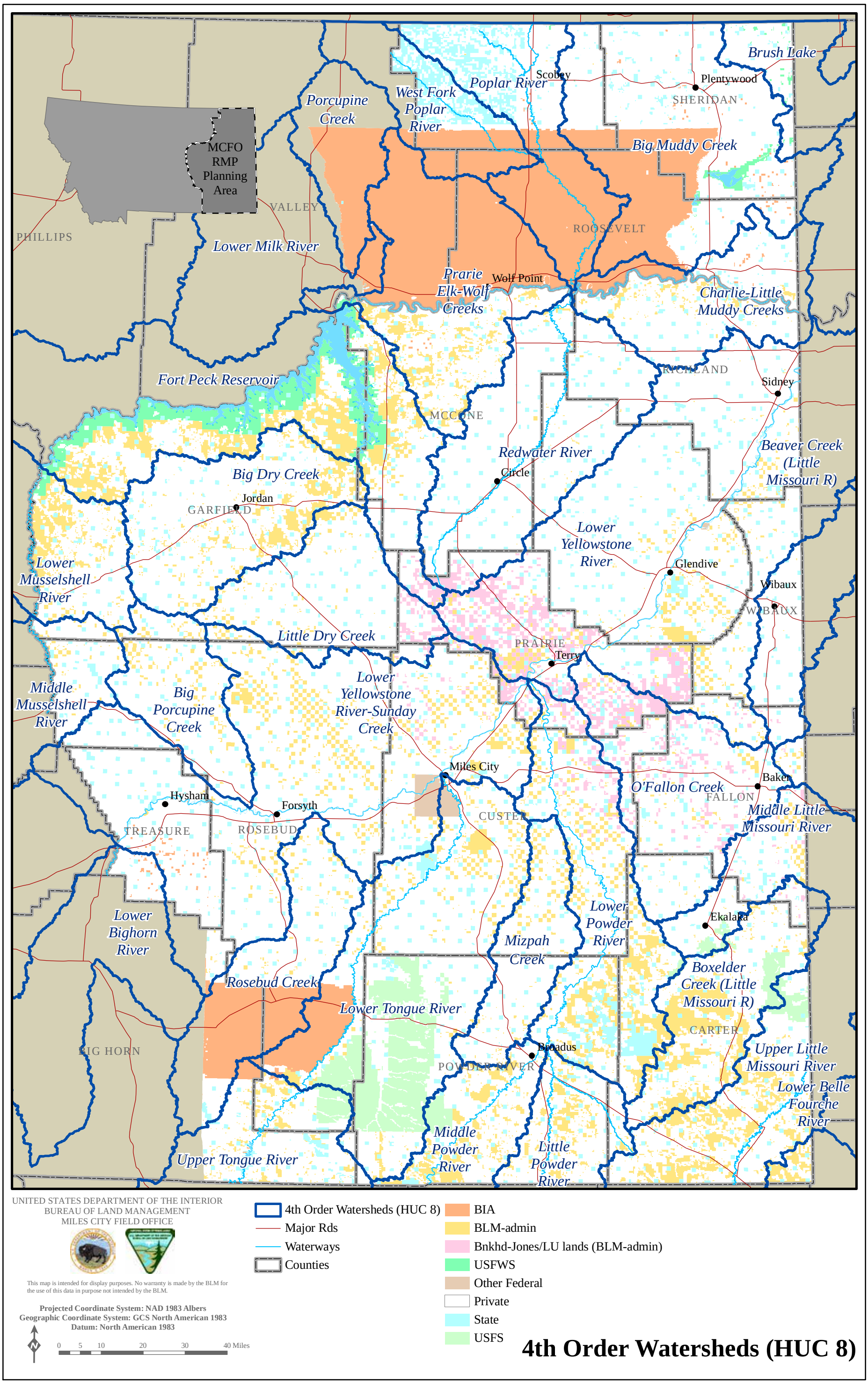
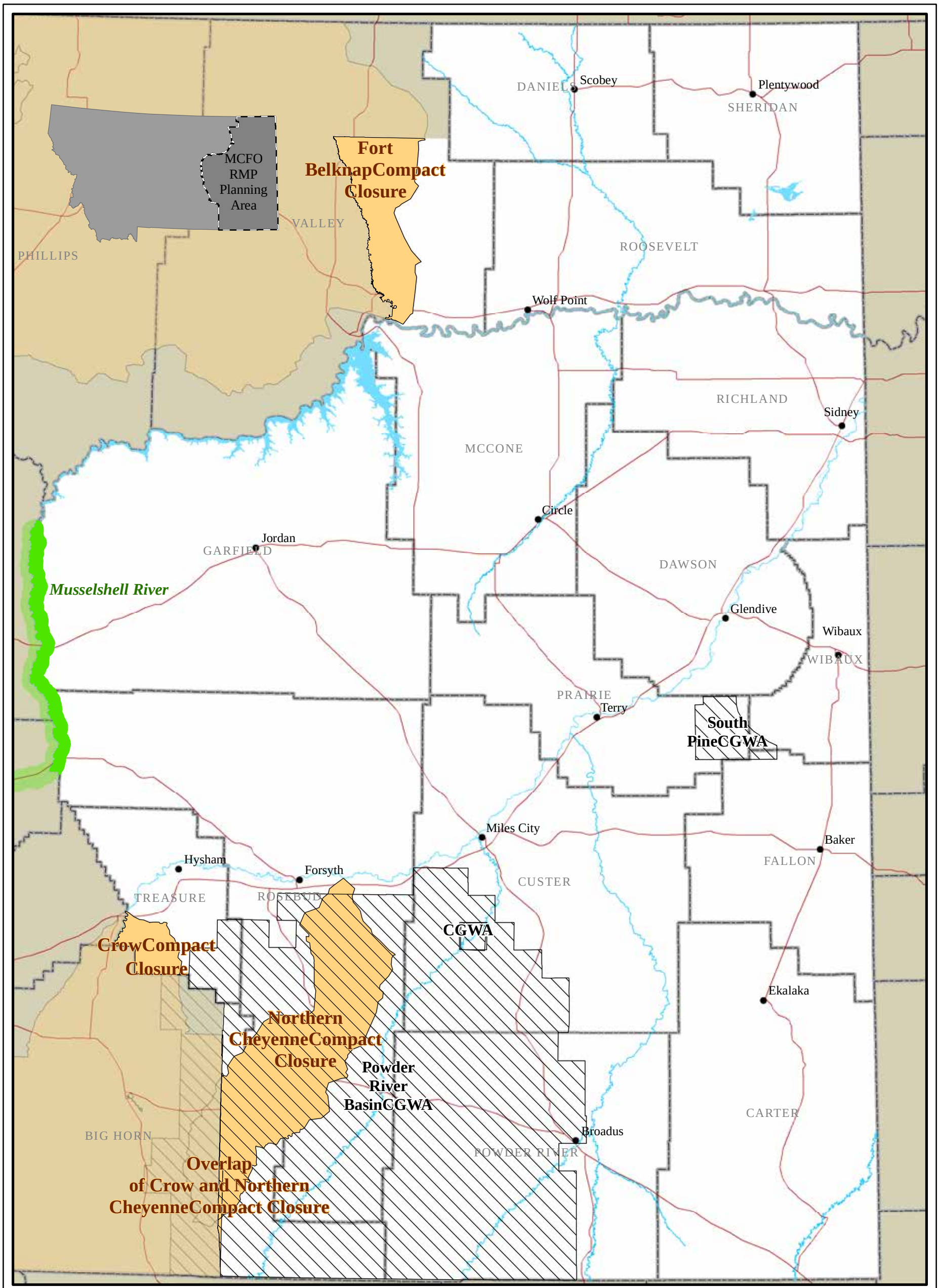


Map 51: 4th Order Watersheds (HUC 8)



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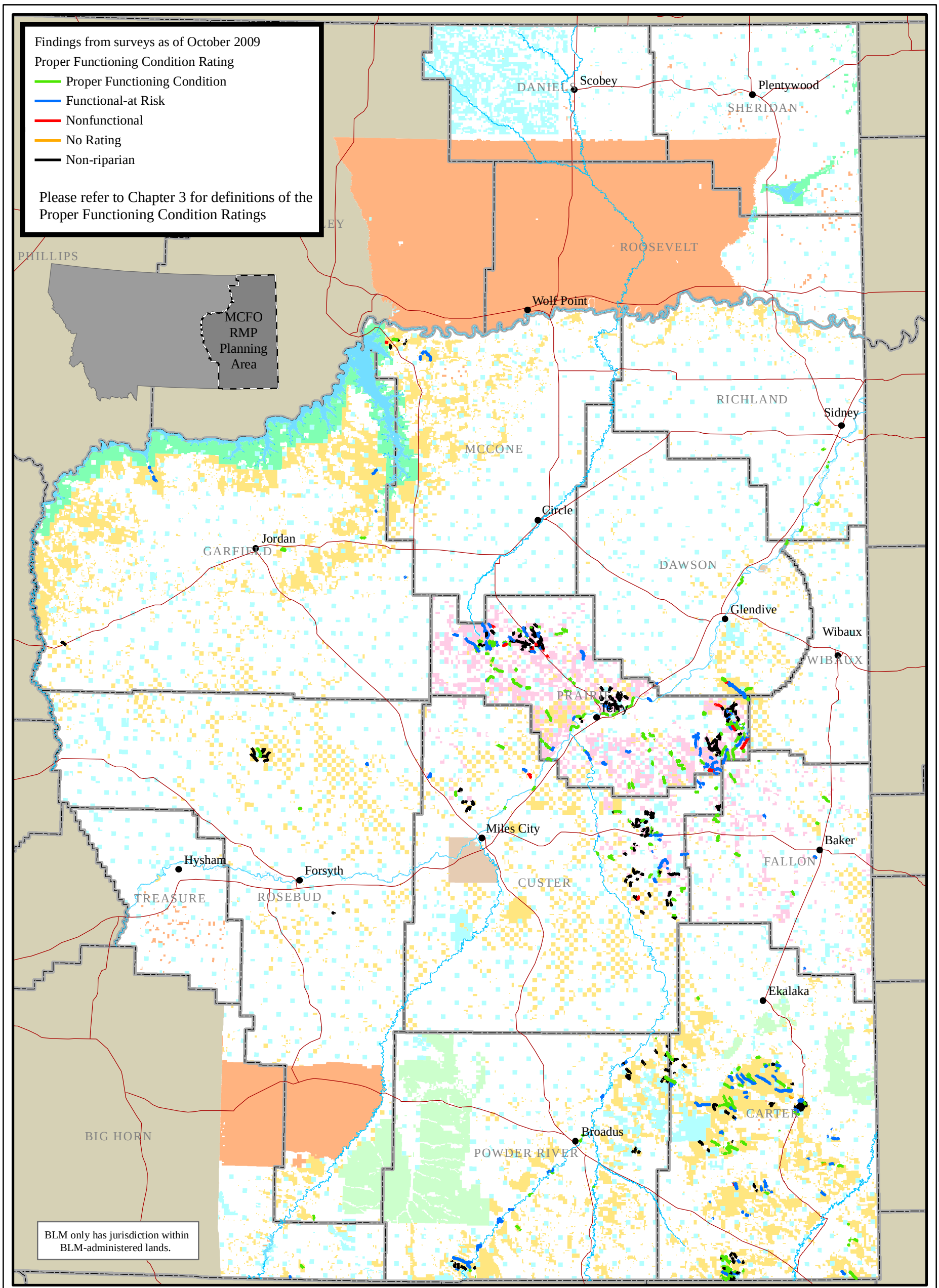
Controlled Groundwater Areas
Administrative Rule Closure
Compact Closures
Major Rds
Waterways
Counties

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Basin Closures and Controlled Groundwater Areas

Map 52: Basin Closures and Controlled Groundwater Areas



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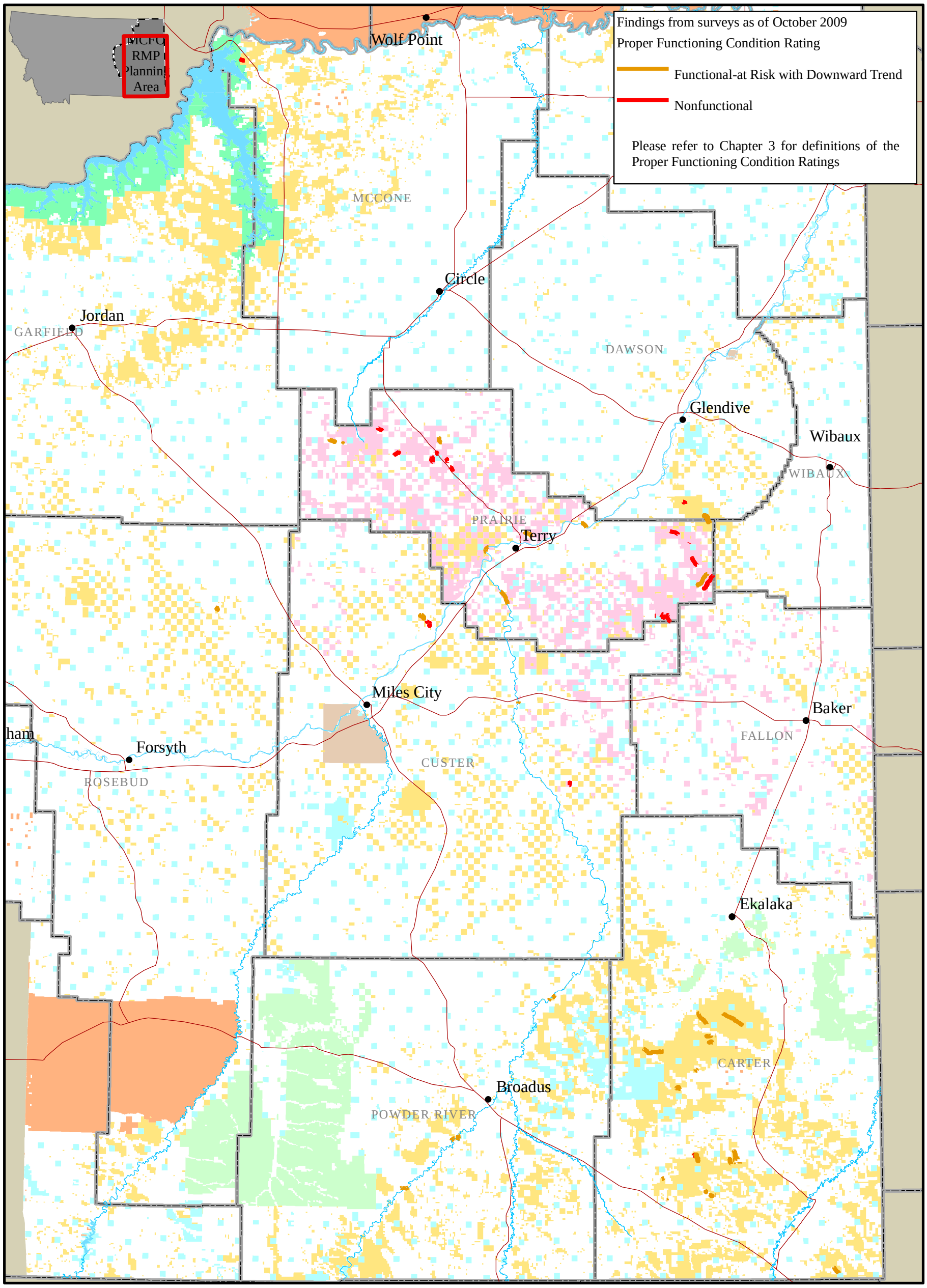
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Major Rds
Waterways
Counties
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS
Other Federal
Private
State
USFS

Riparian
Proper Functioning Condition Ratings

Map 53: Riparian *Proper Functioning Condition Rating*



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Major Rds
Waterways
Counties
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS
Other Federal
Private
State
USFS

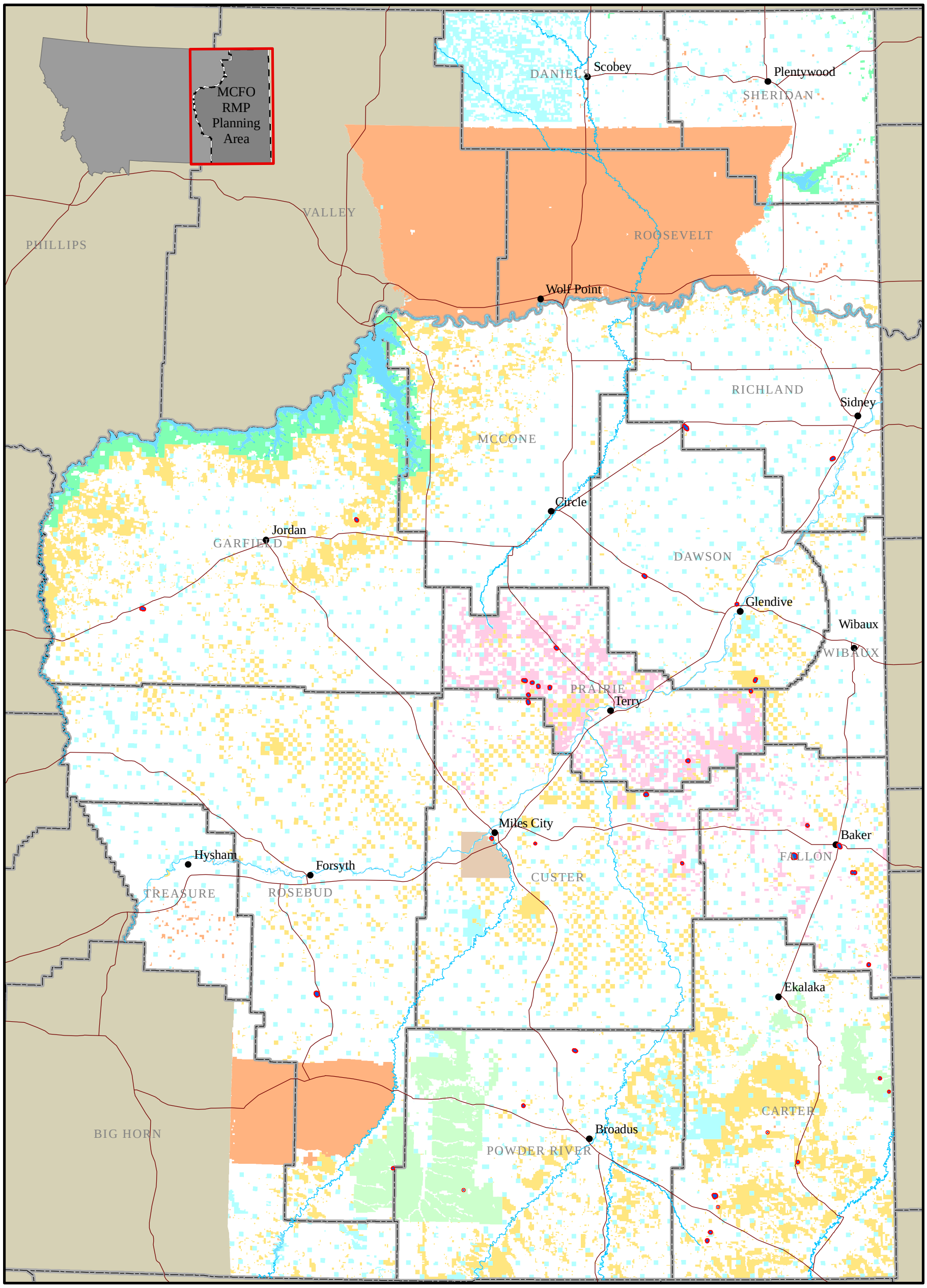
BLM only has jurisdiction within BLM-administered lands.

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles

Riparian
Functional-at Risk and Nonfunctional

Map 54: Riparian *Functional-at Risk and Nonfunctional*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

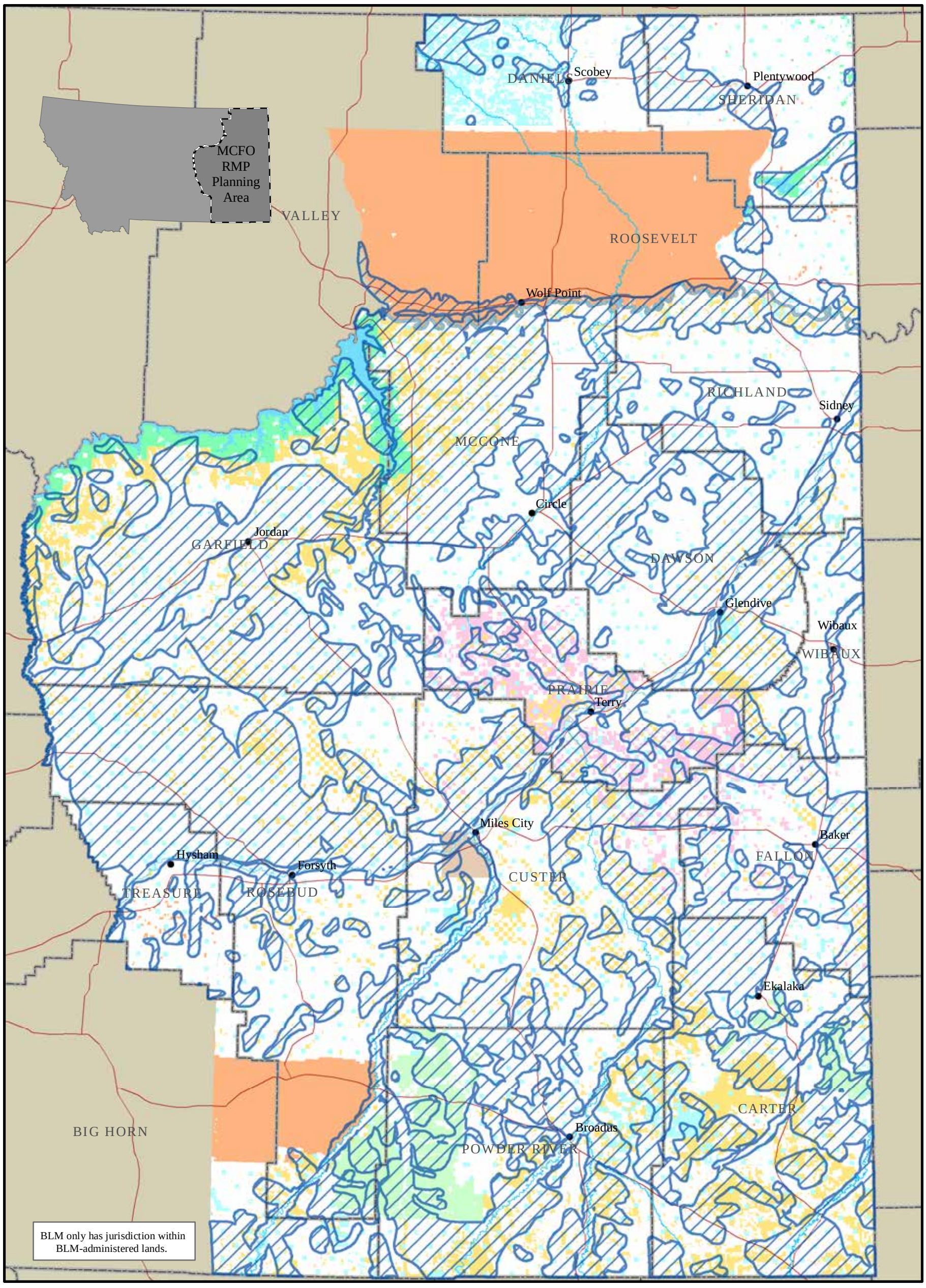
0 5 10 20 30 40 Miles

Sport-fish Reservoirs
Major Rds
Waterways
Counties
BIA
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
USFWS
Other Federal
Private
State
USFS

BLM only has jurisdiction within BLM-administered lands.

Sport-fish Reservoirs

Map 55: Sport-fish Reservoirs



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

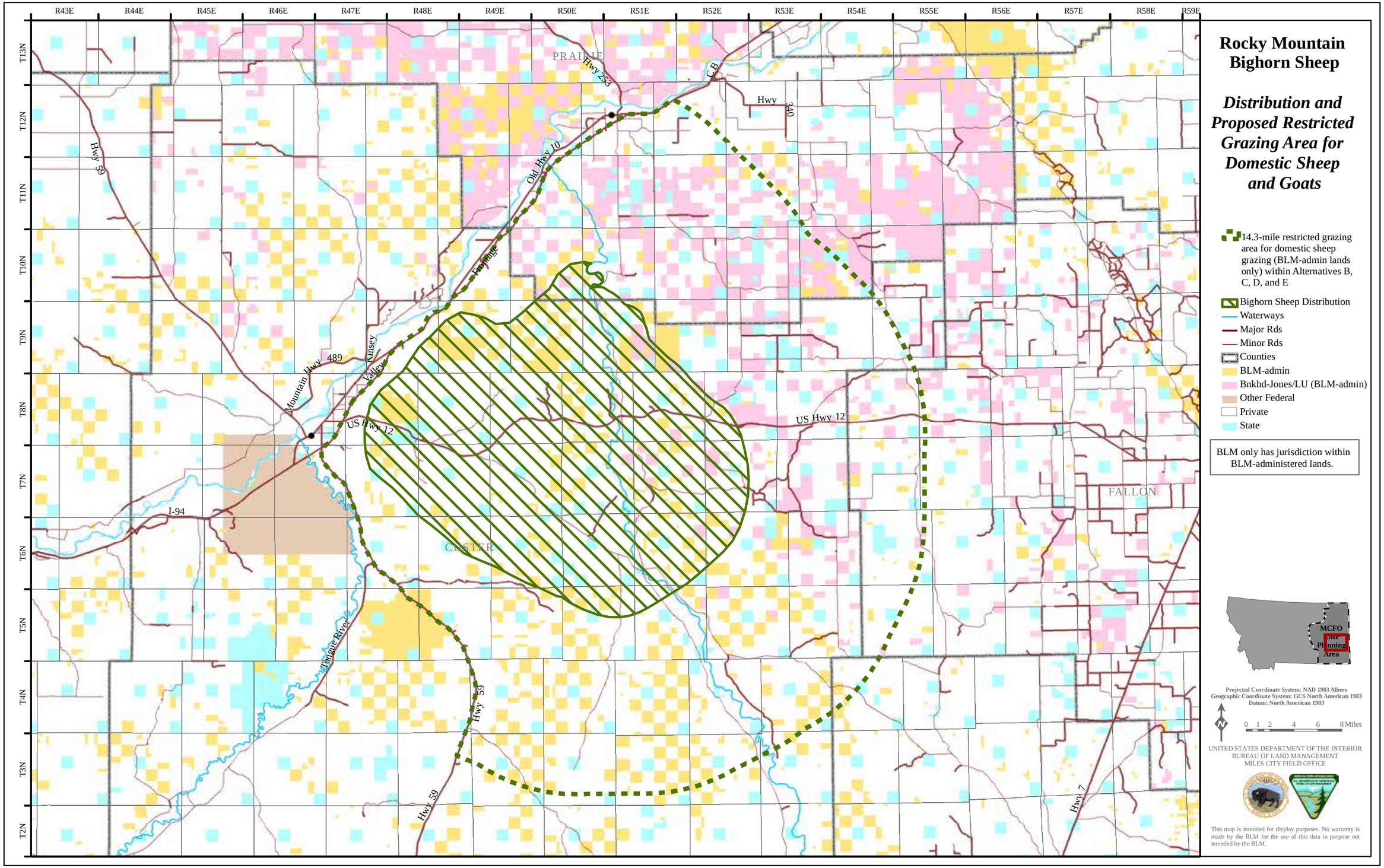
0 5 10 20 30 40 Miles

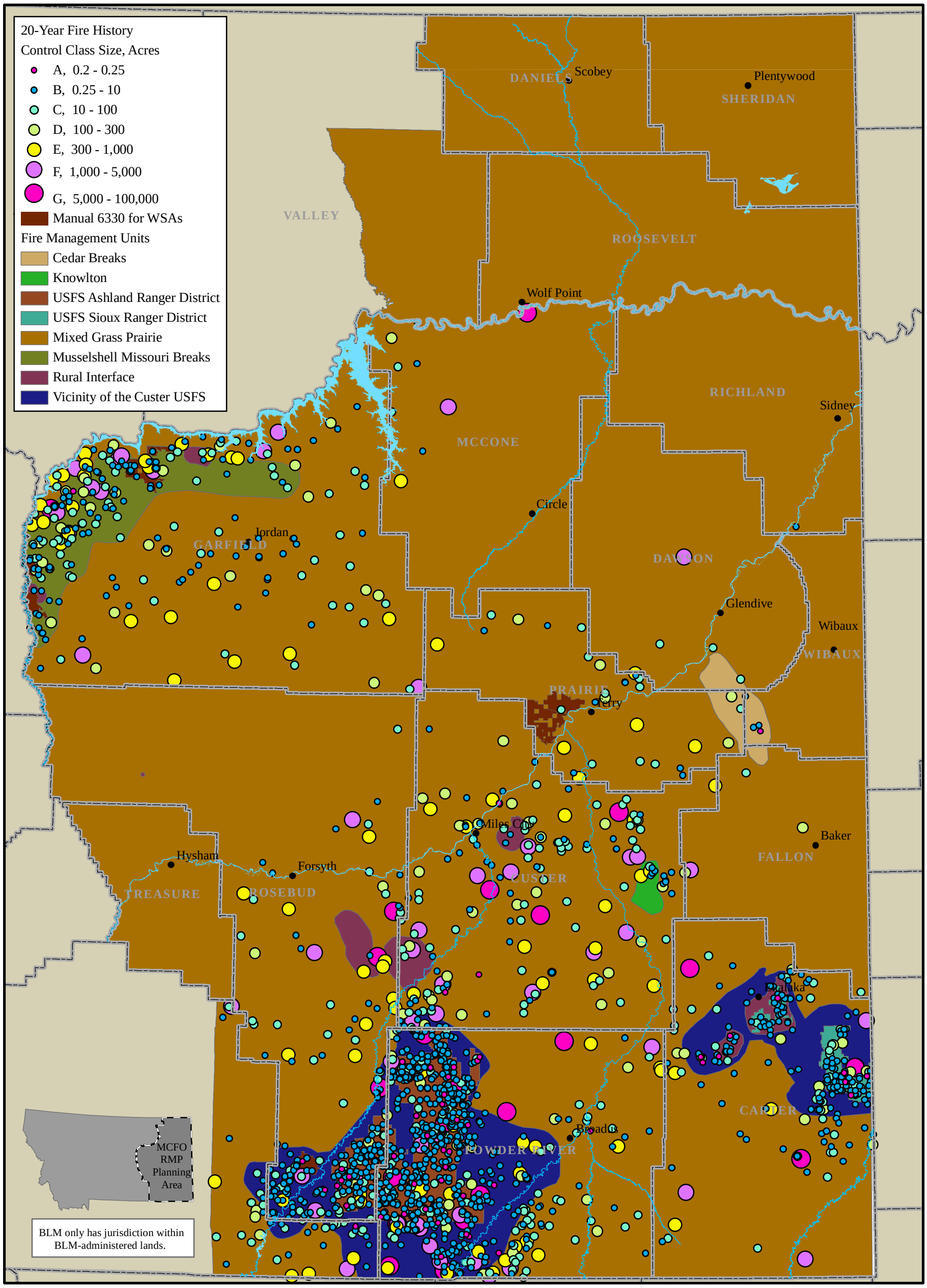
- Big Game Crucial Winter Range
- Major Rds
- Waterways
- Counties
- BIA
- BLM-admin
- Bnkhd-Jones/LU lands (BLM-admin)
- USFWS
- Other Federal
- Private
- State
- USFS

Big Game Crucial Winter Range

Map 56: Big Game Crucial Winter Range

Map 57: Bighorn Sheep - Distribution and Restricted Grazing





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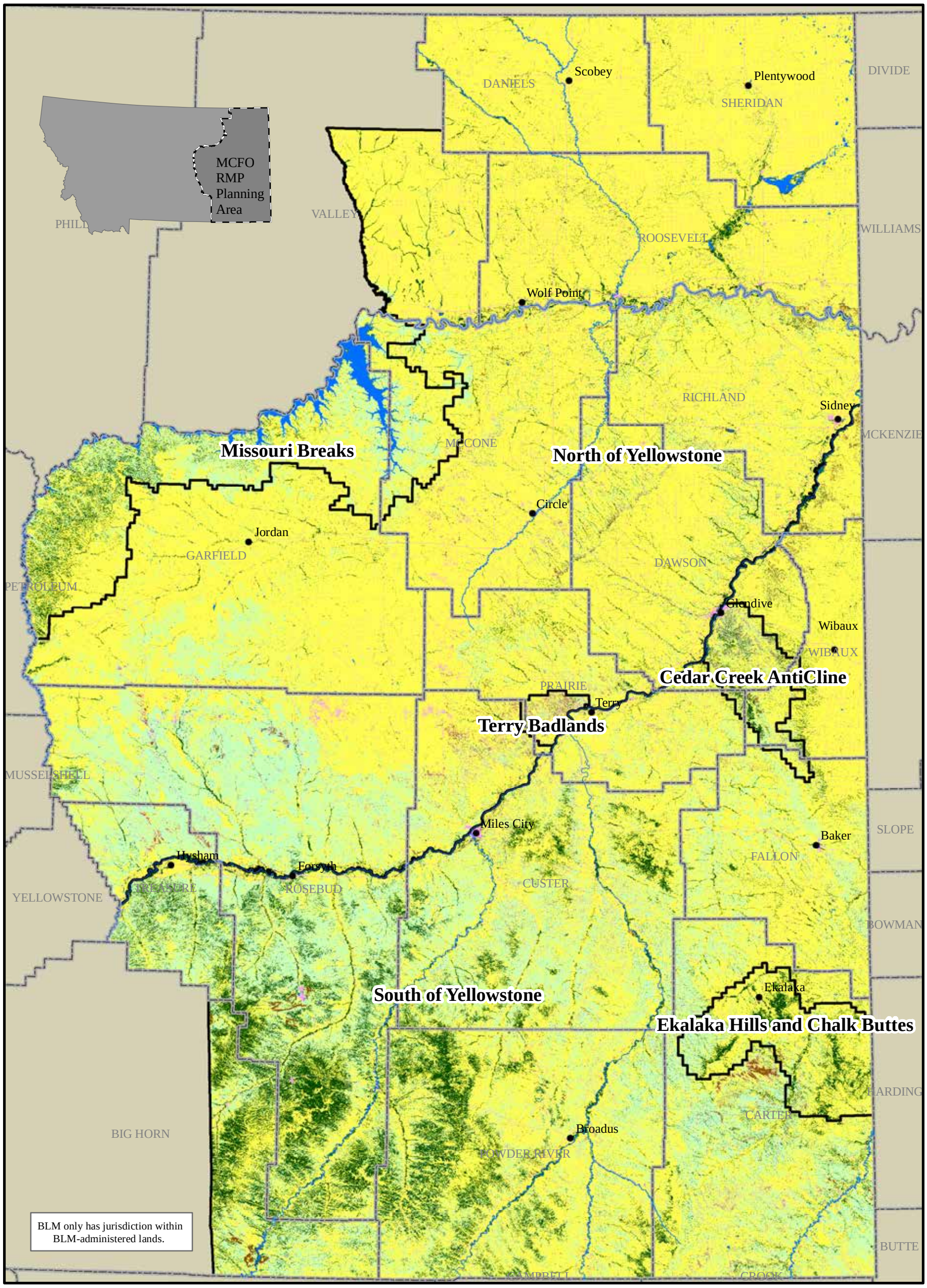
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

20-Year Fire Occurrence (1989-2009) within Fire Management Units

Map 58: 20-Year Fire Occurrence within Fire Management Units



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

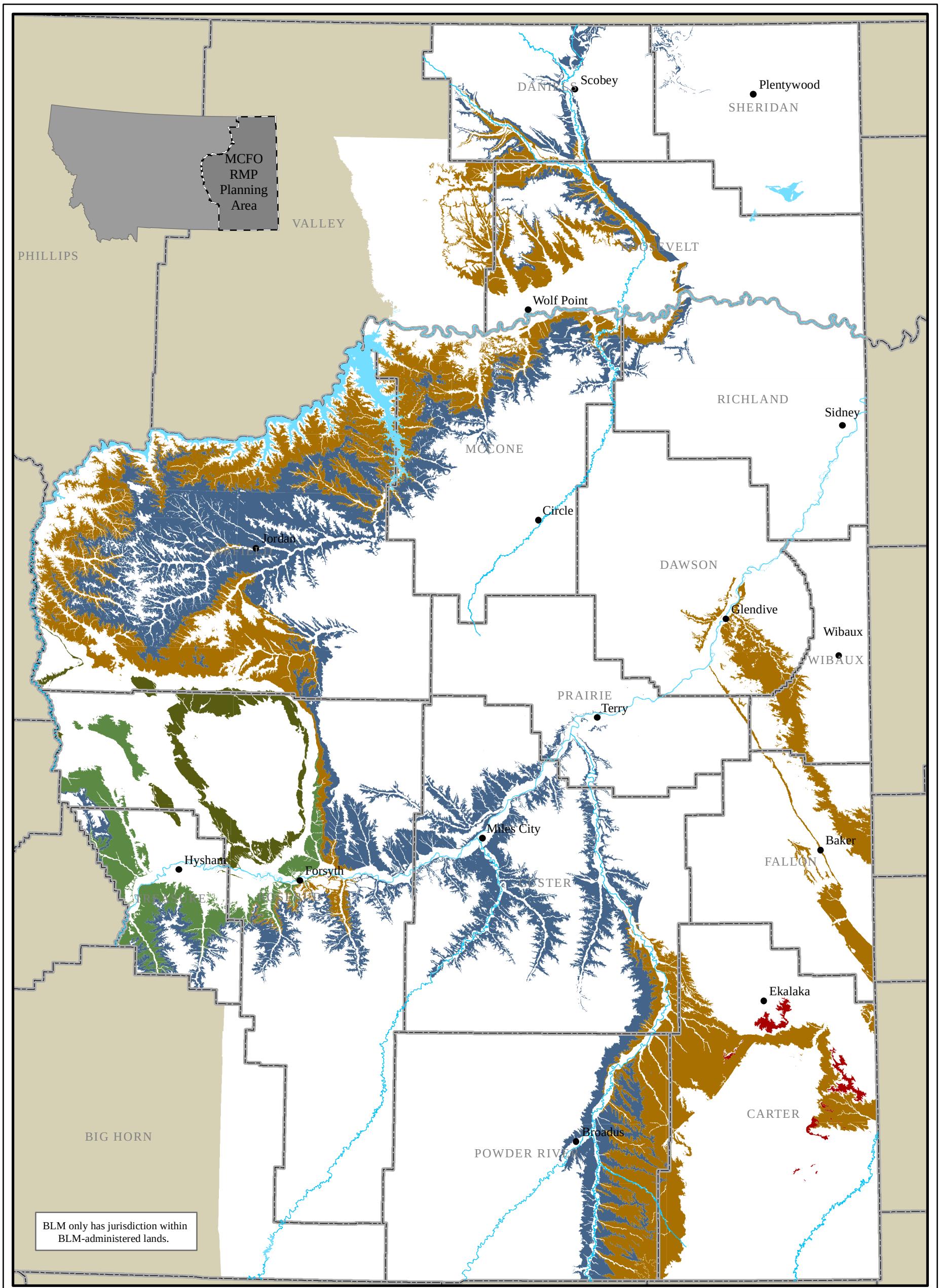
0 5 10 20 30 40 Miles

National Vegetation Classification System
LANDFIRE (2009)

- Water
- No Dominant Lifeform
- Non-vegetated
- Herbaceous/Nonvascular-dominated
- Tree-dominated
- Shrub-dominated
- Vegetation Treatment Regions
- Waterways
- Counties

Vegetation Treatment Regions

Map 59: Vegetation Treatment Regions



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

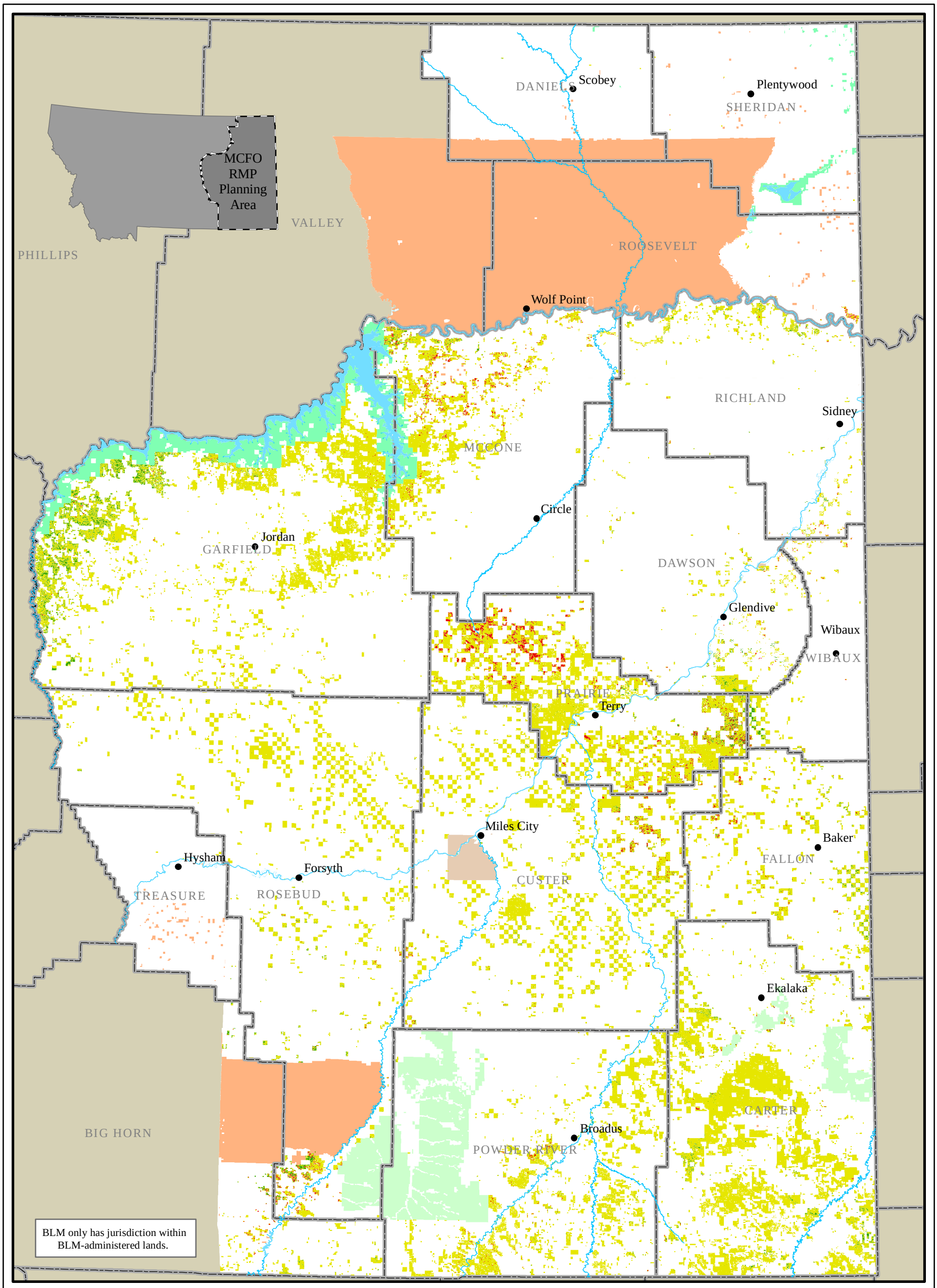
0 5 10 20 30 40 Miles

Geologic Formation Name and Class Number

Arikaree	Class 4
Hell Creek	Class 5
Judith River	Class 4
Lance	Class 5
Tullock Fort Union	Class 4
Waterways	
Counties	

Class 4 and 5 Potential Fossil Yield Category Geologic Formations

Map 60: Potential Fossil Yield Category Geologic Formations



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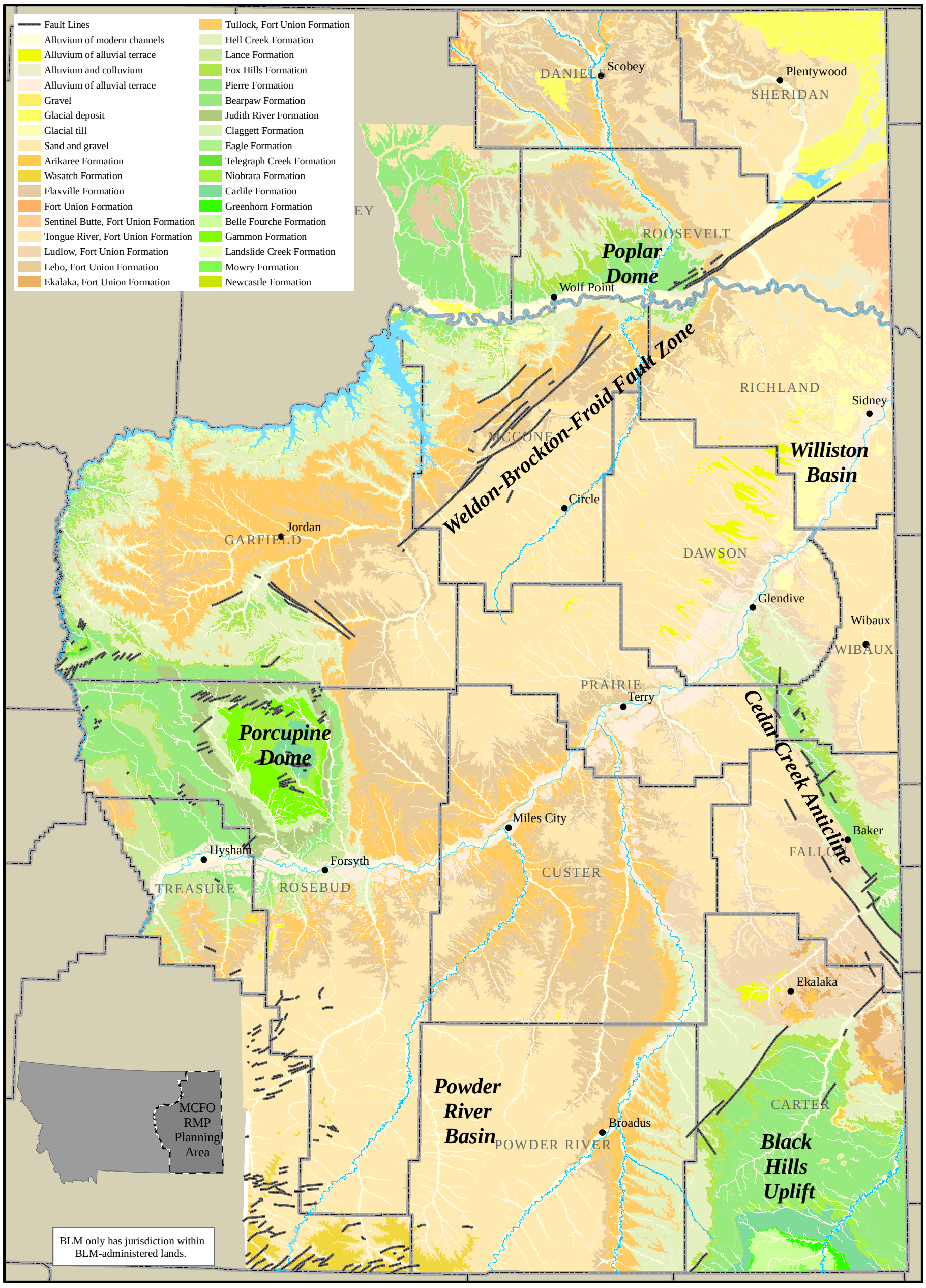
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Fire Regime and Condition Class
- Class 1: 137,006 acres
- Class 2: 2,423,888
- Class 3: 53,447 acres
- Waterways
- Counties
- BIA
- USFWS
- Other Federal
- Private
- USFS

Fire Management Fire Regime and Condition Class

Map 68: Fire Management Fire Regime and Condition Class



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Waterways
Counties

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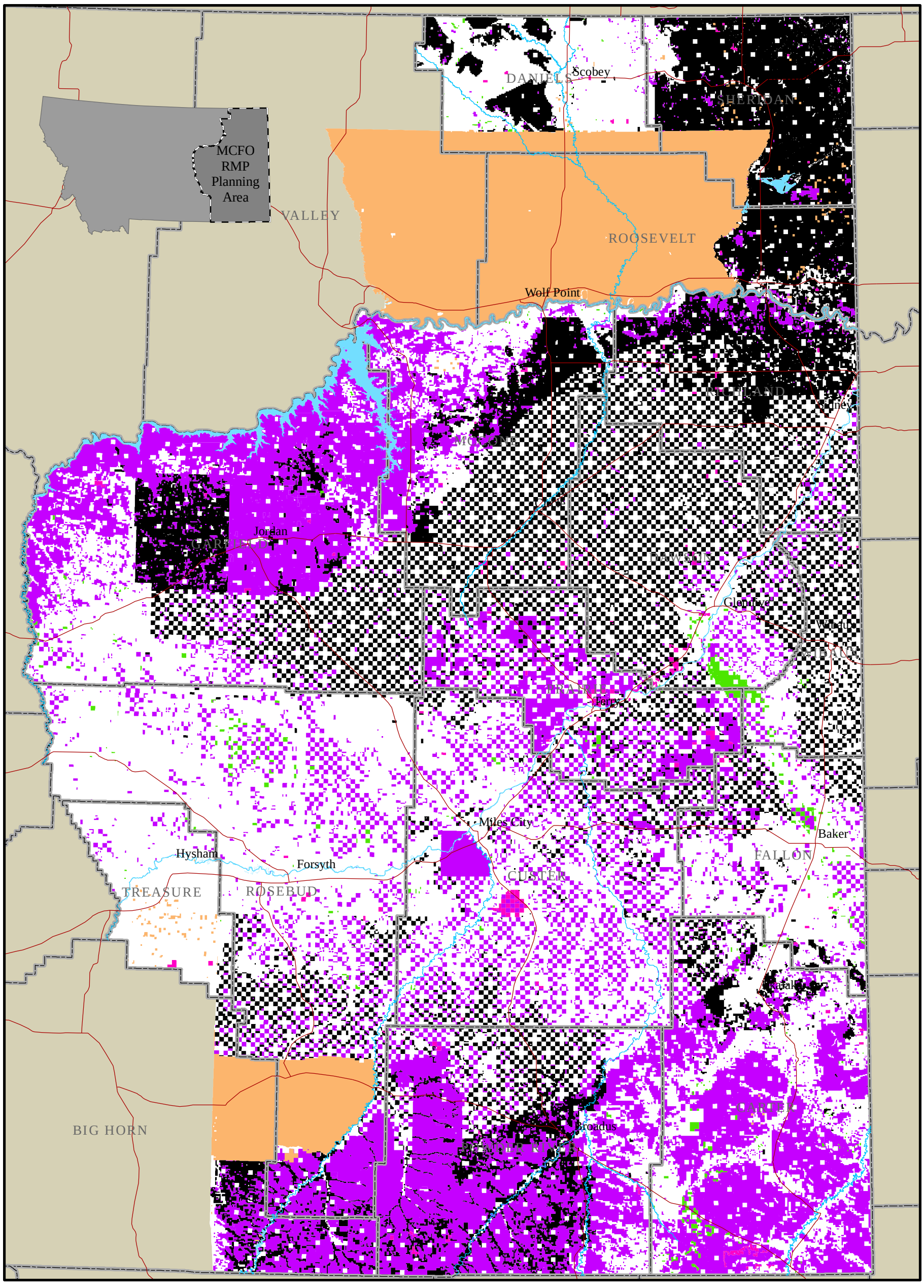
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Faults and Surficial Geologic Formations

Map 69: Faults and Surficial Geologic Formations



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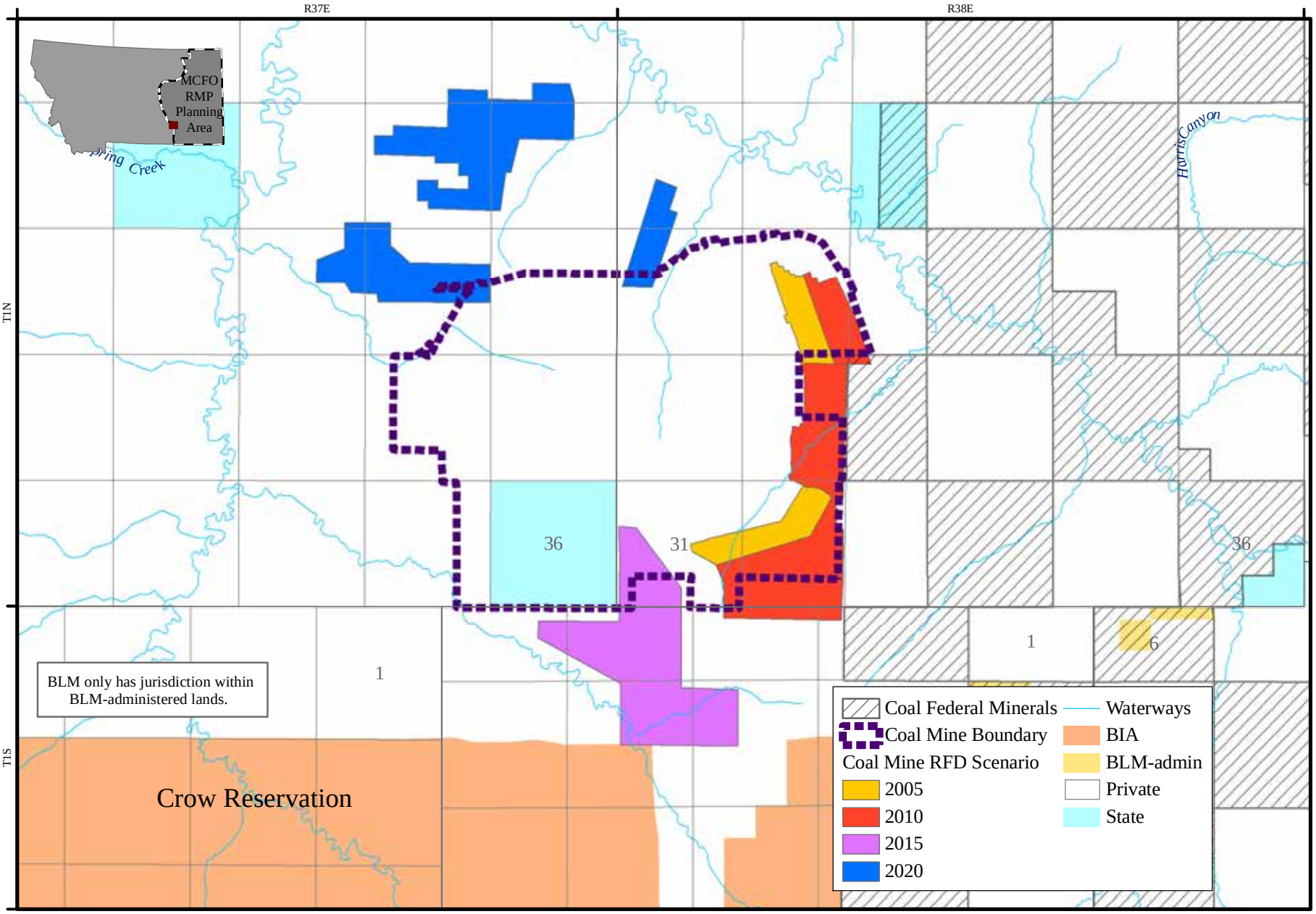
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles

Coal, Oil, and Gas Minerals
Coal Only
Oil and Gas Only
Other Minerals
No Federal Minerals
BIA
Major Rds
Waterways
Counties

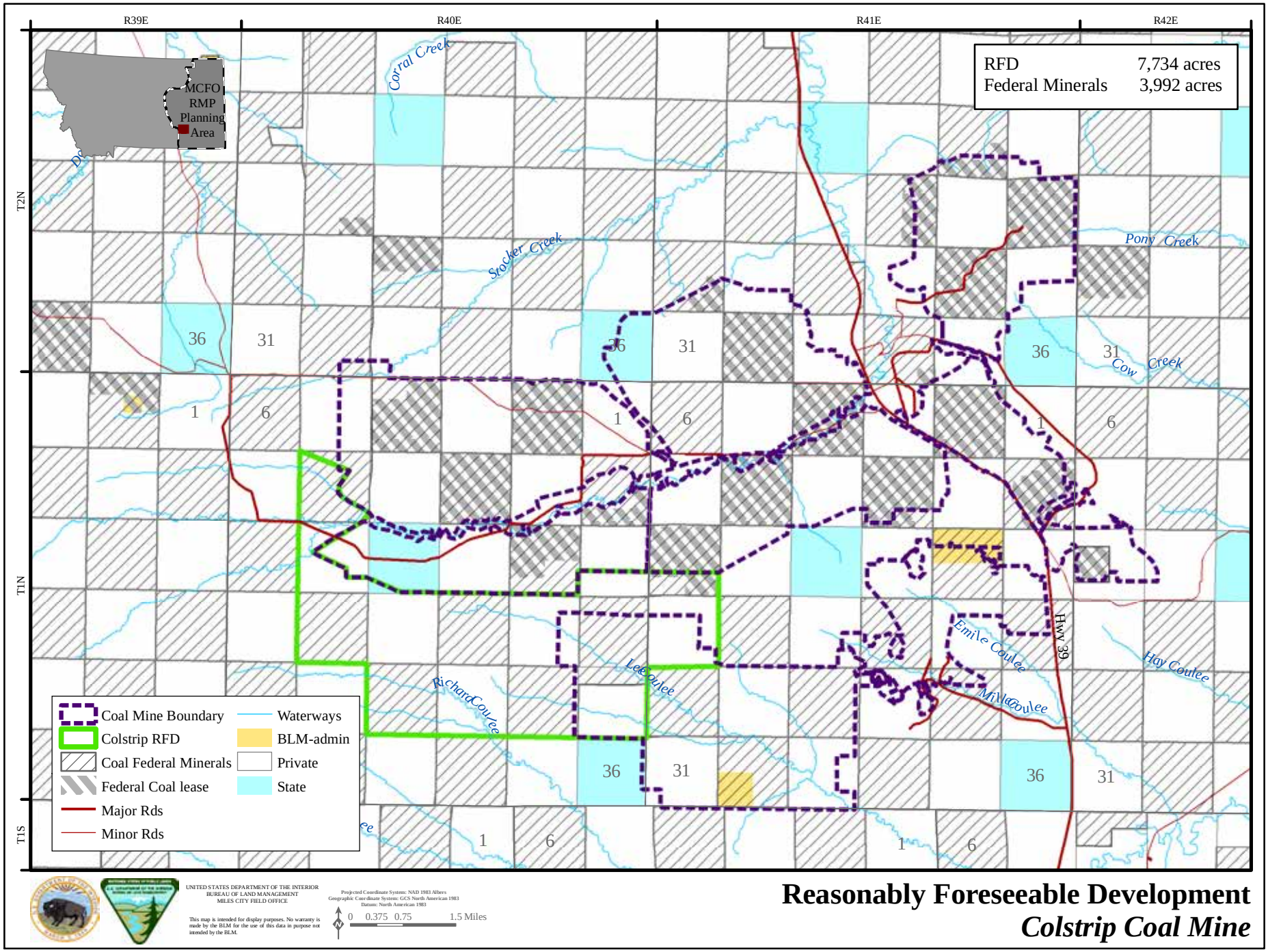
Federal Mineral Ownership
Oil, Gas, and Coal

Map 70: Federal Mineral Ownership - *Oil, Gas, and Coal*

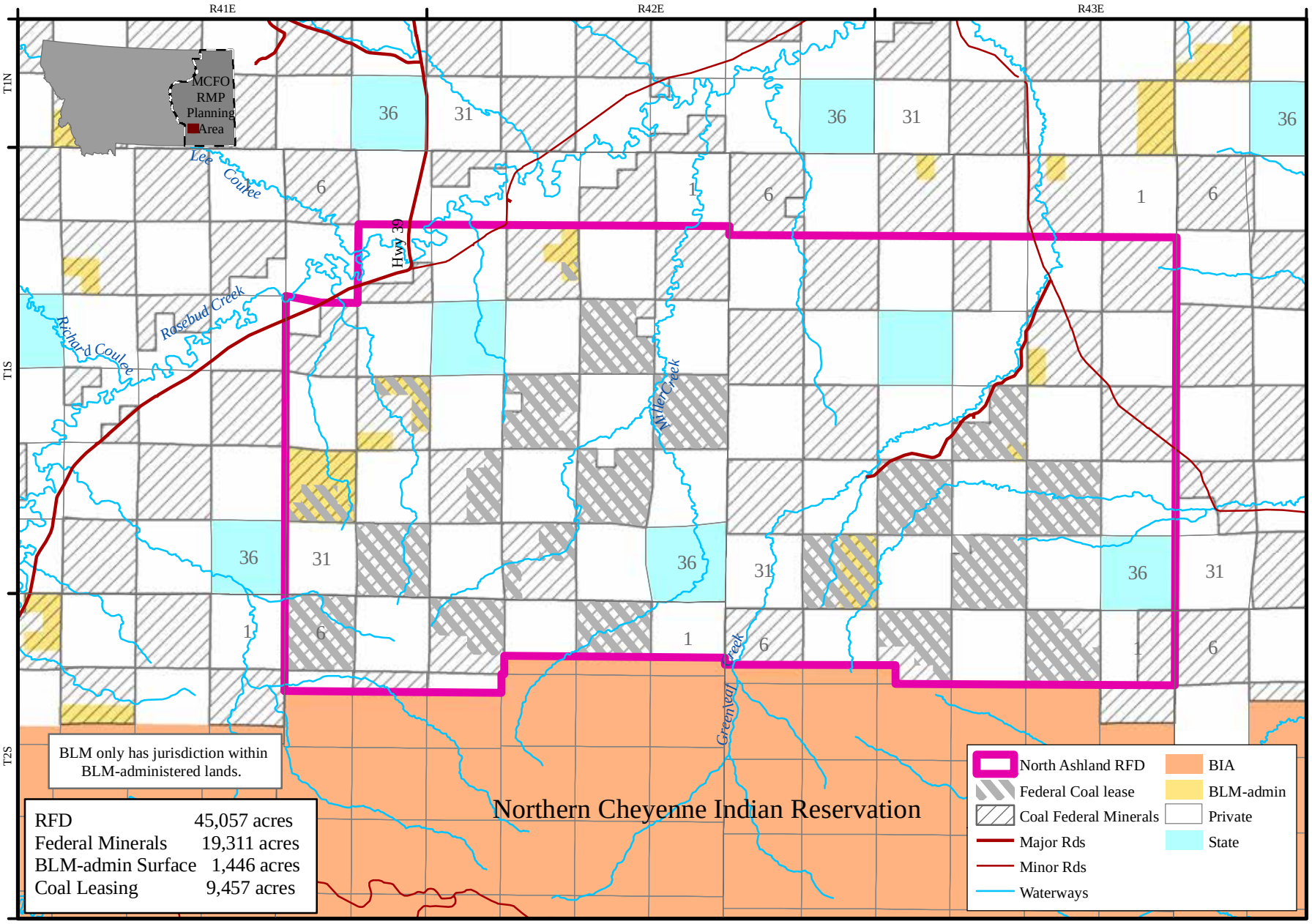


Reasonably Foreseeable Development
Absaloka Coal Mine

Map 71: Reasonably Foreseeable Development - *Absaloka Coal Mine*

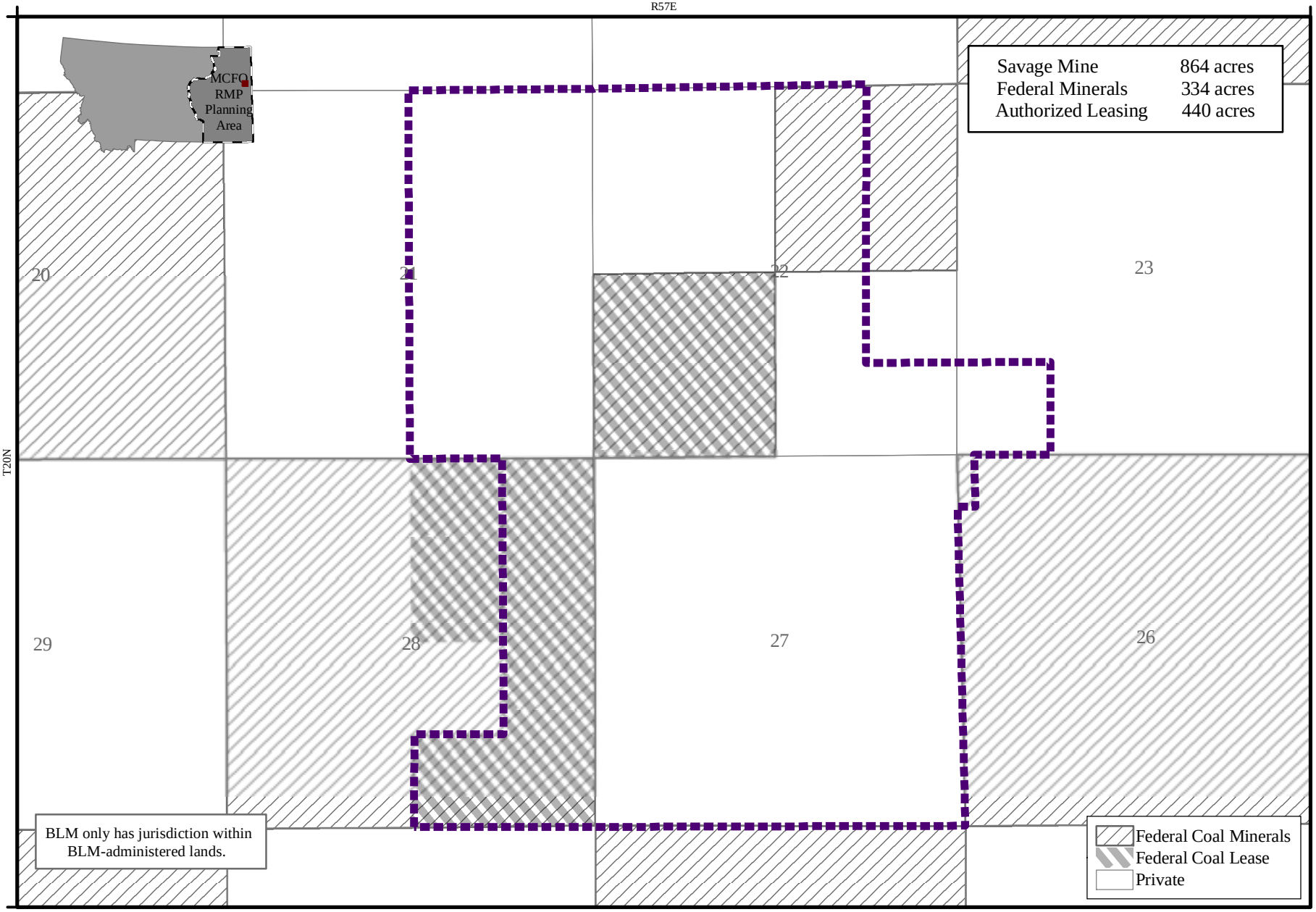


Map 72: Reasonably Foreseeable Development - *Colstrip Coal Mine*



Reasonably Foreseeable Development
North Ashland

Map 73: Reasonably Foreseeable Development - *North Ashland*



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 0.125 0.25 Miles

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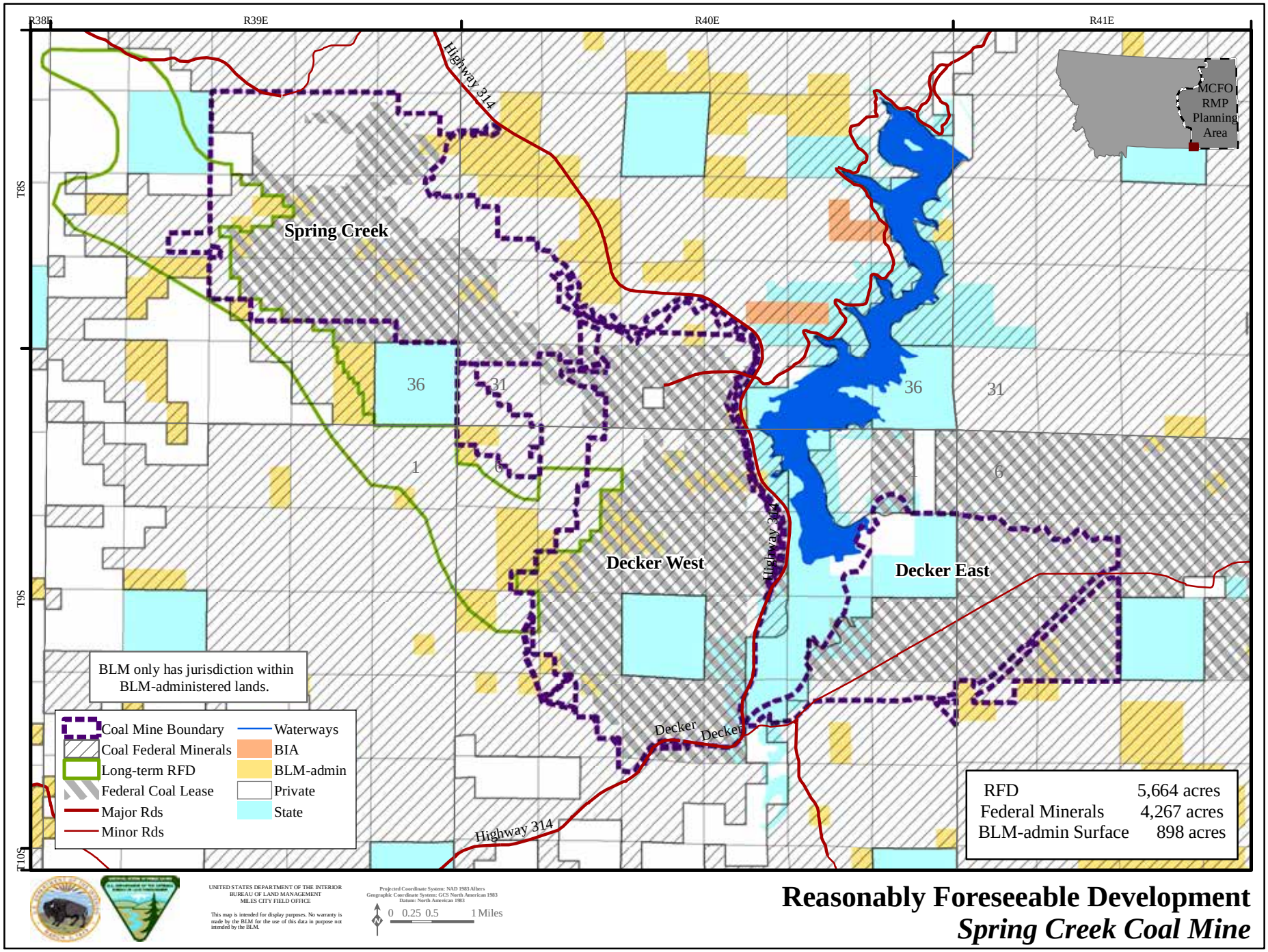
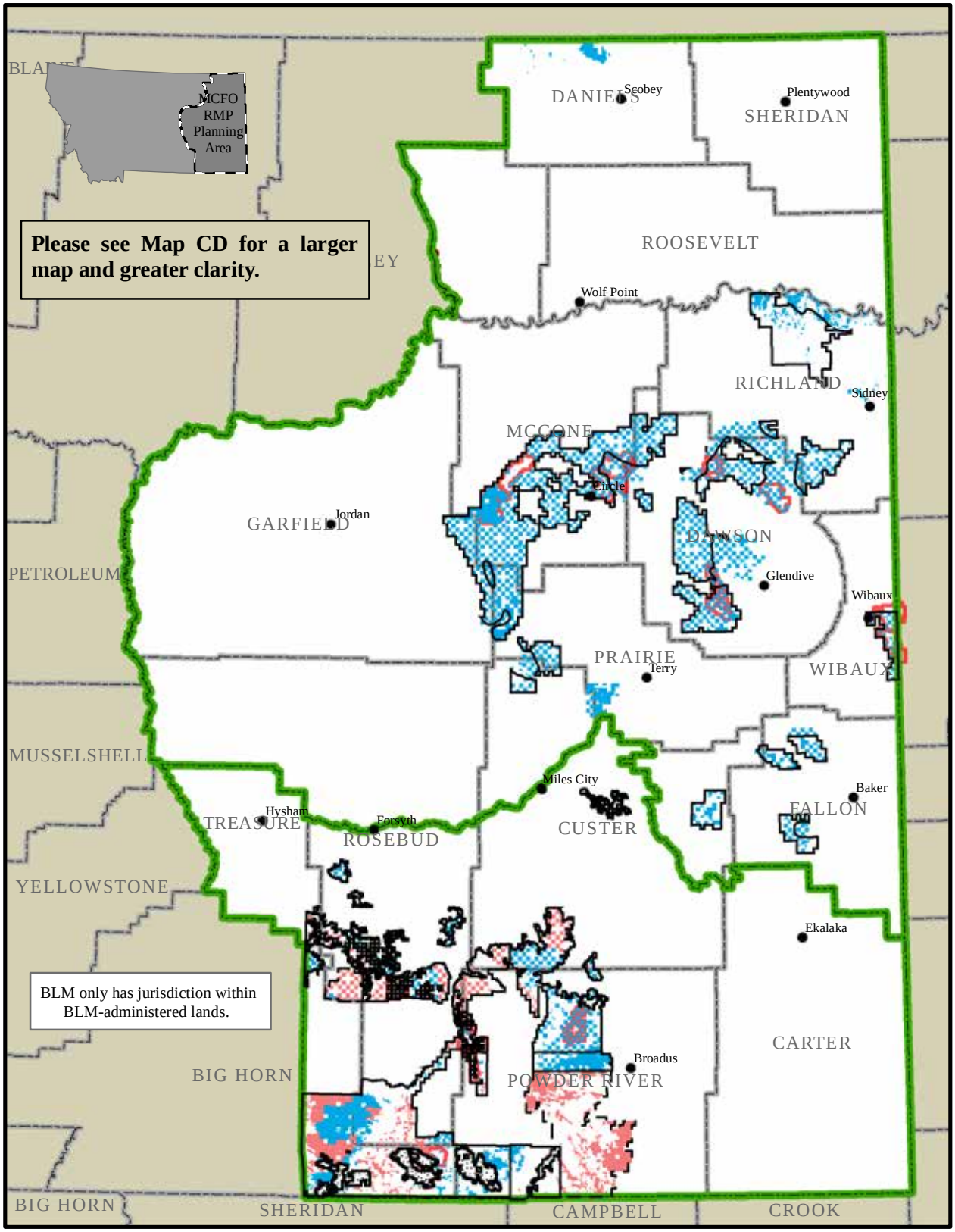
Reasonably Foreseeable Development
Savage Coal Mine

Map 74: Reasonably Foreseeable Development - *Savage Coal Mine*



Map 75: Reasonably Foreseeable Development - *Spring Creek Coal Mine*



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983
0 10 20 Miles

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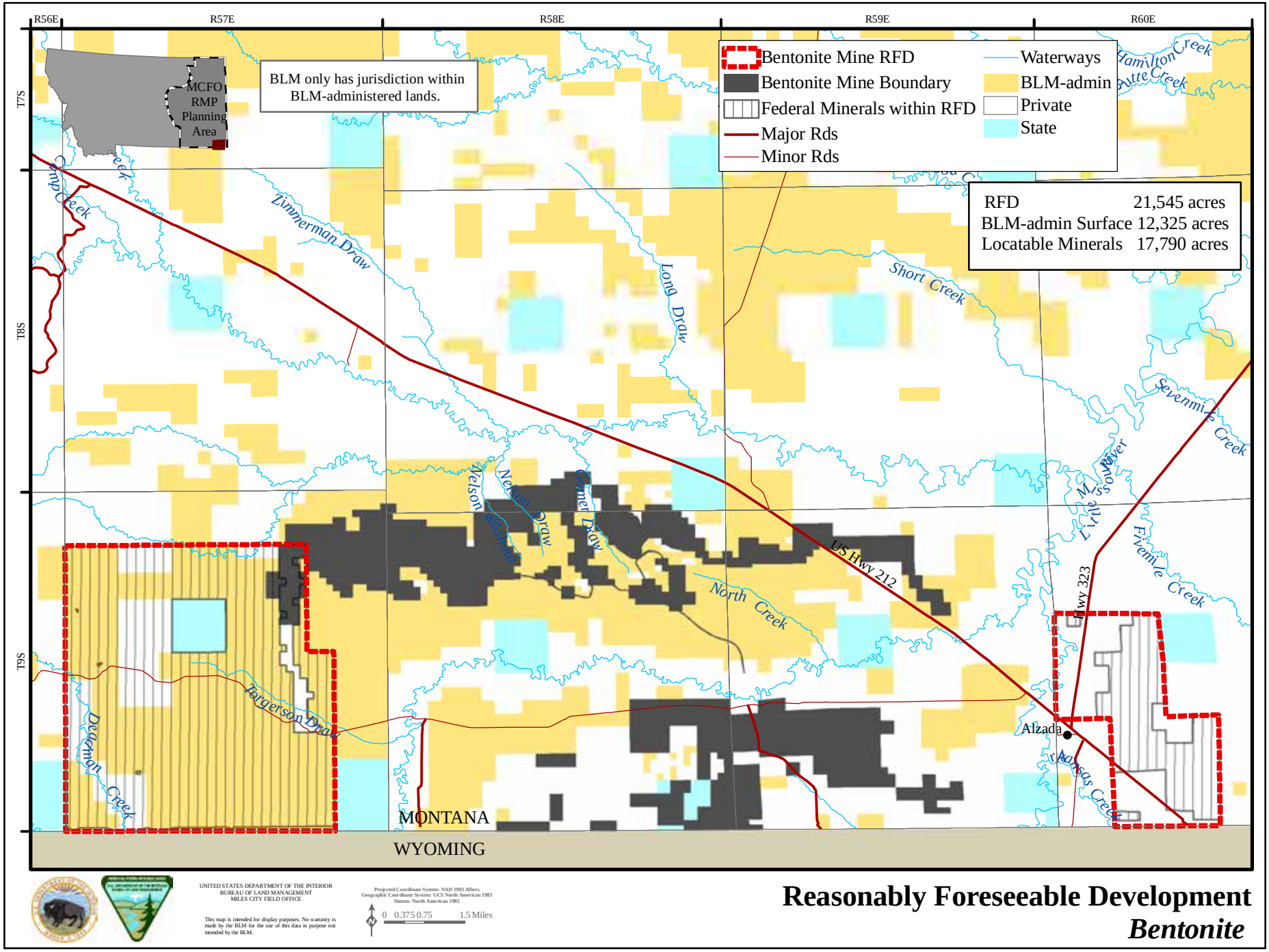
Coal Areas Acceptable for Further Consideration
Coal decisions from previous planning documents
Federal Coal within High and Moderate Coal Area
Presumed High and Moderate
Coal Areas Acceptable for Further Consideration and Pending Further Study
Big Dry and Powder River RMP areas
Federal Coal Tracts

Coal Development Potential



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MILES CITY FIELD OFFICE

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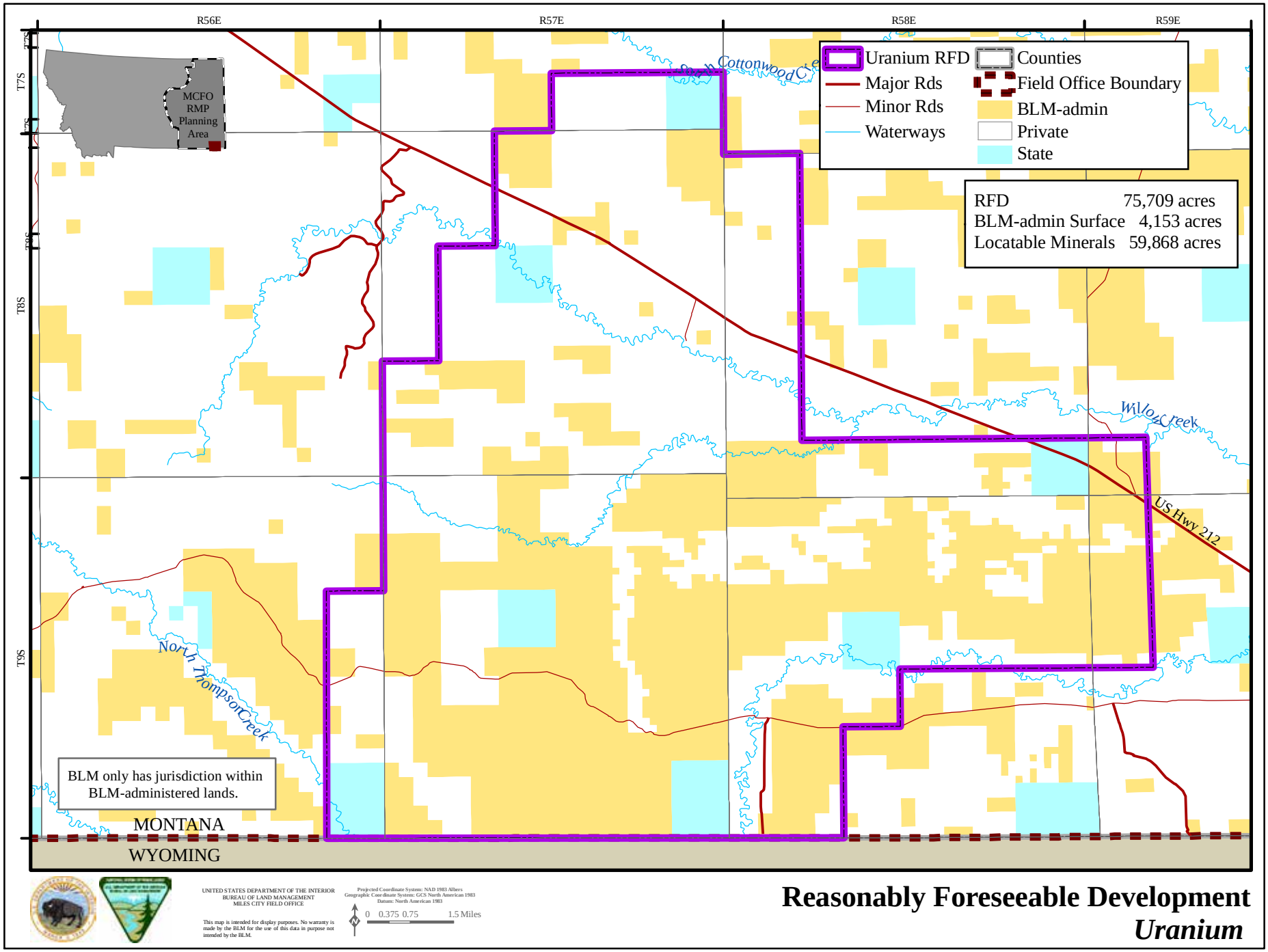
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

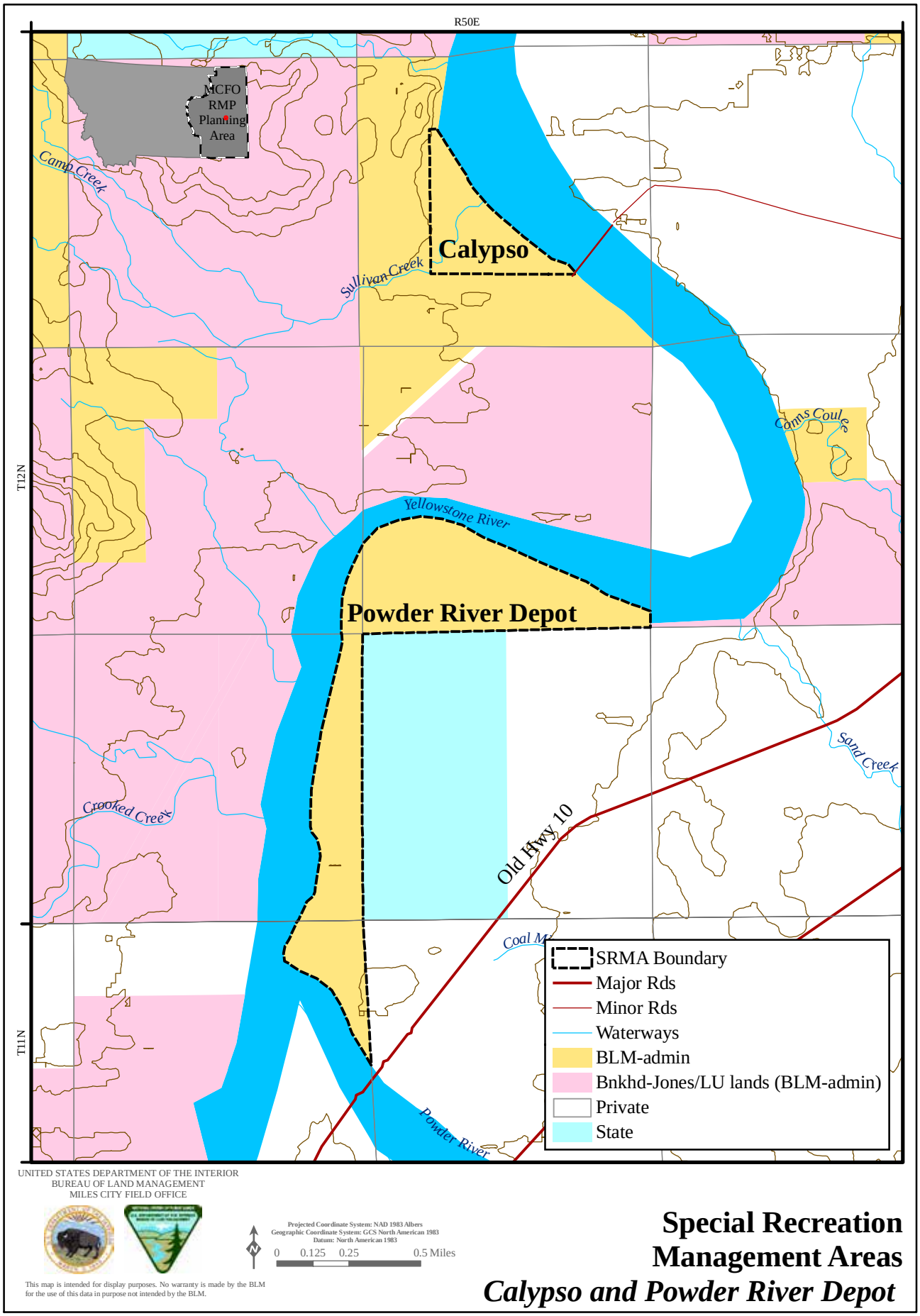
0 0.375 0.75 1.5 Miles

Reasonably Foreseeable Development
Bentonite

Map 77: Reasonably Foreseeable Development - *Bentonite*



Map 78: Reasonably Foreseeable Development - *Uranium*


R50E
T12N
T11N
MCFO RMP Planning Area
Camp Creek
Calypso
Sullivan Creek
Comas Coulee
Yellowstone River
Powder River Depot
Sand Creek
Crooked Creek
Old Hwy 10
Coal M
Powder River
SRMA Boundary
Major Rds
Minor Rds
Waterways
BLM-admin
Bnkhd-Jones/LU lands (BLM-admin)
Private
State
UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
MILES CITY FIELD OFFICE
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983
0 0.125 0.25 0.5 Miles
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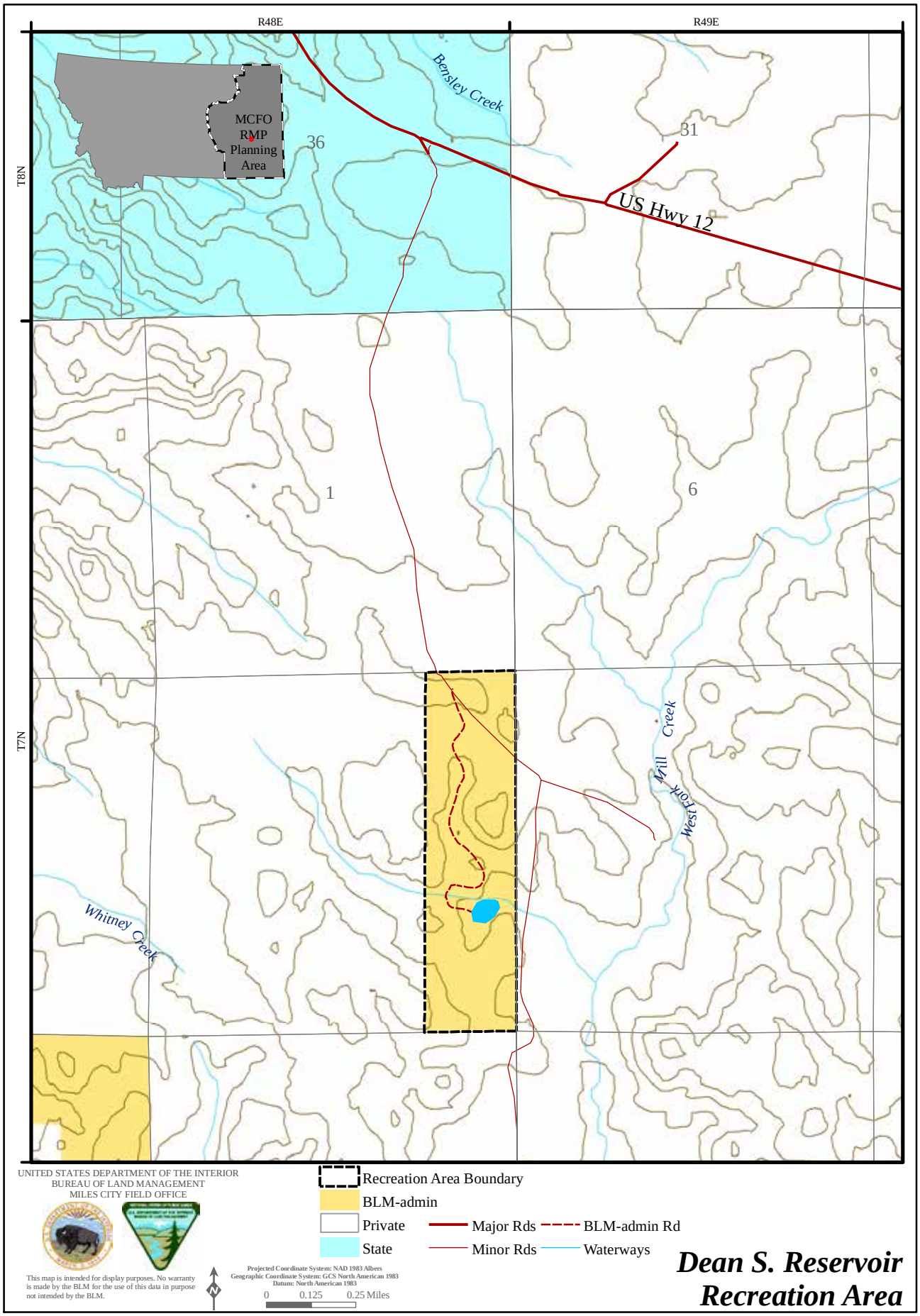
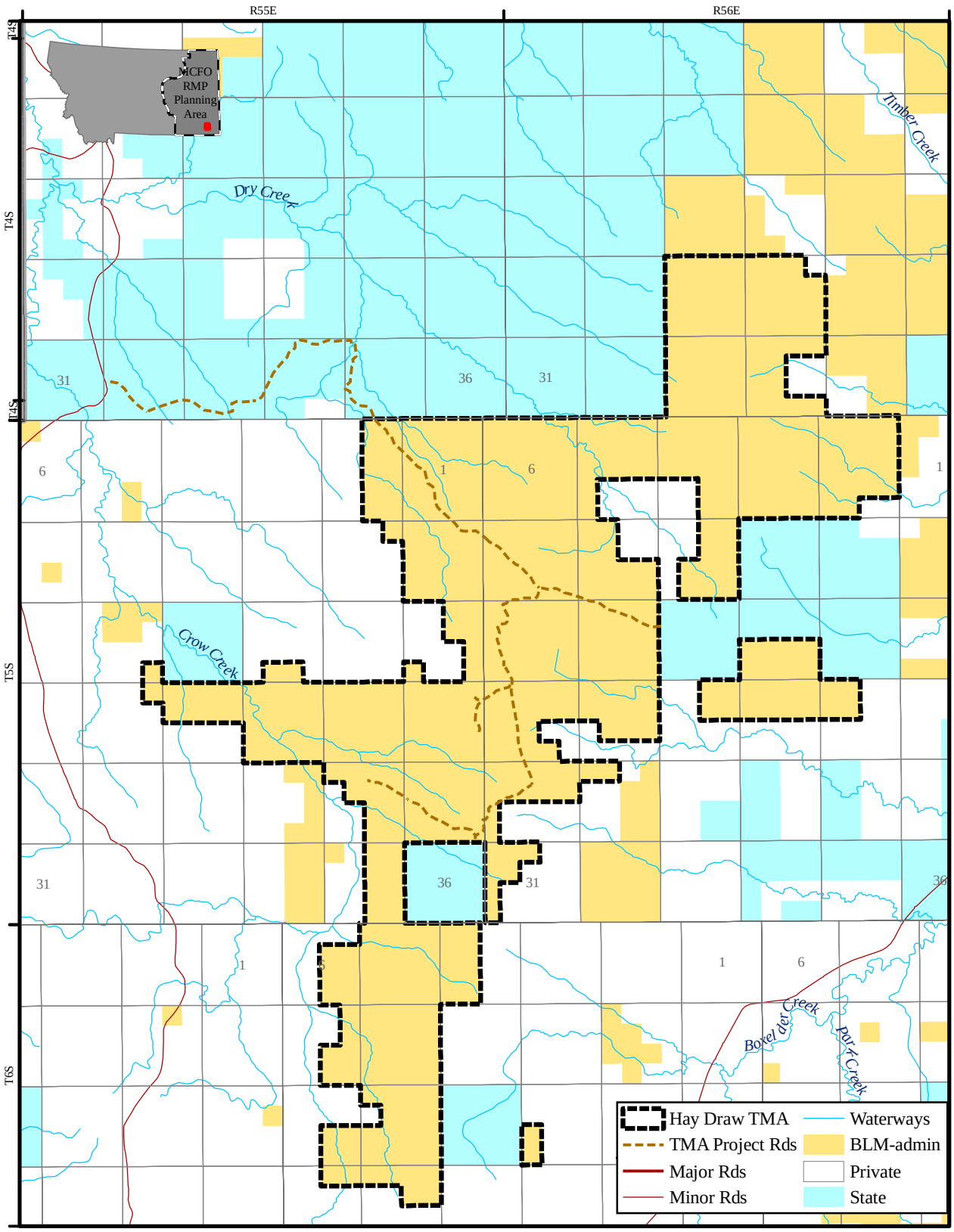
Special Recreation Management Areas
Calypso and Powder River Depot

Map 80: *Dean S. Reservoir*





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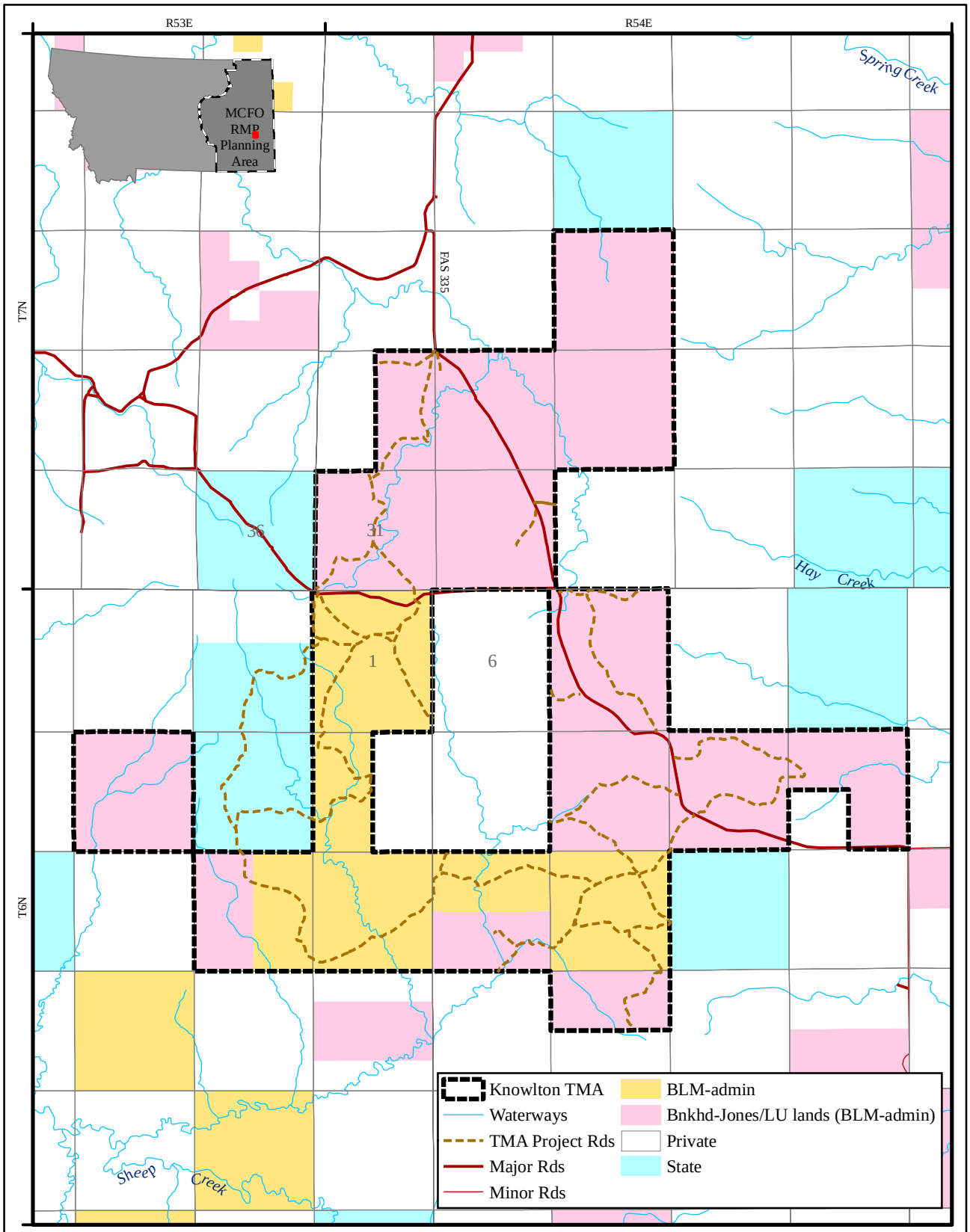
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 0.5 1 2 Miles

Travel Management Area
Hay Draw TMA



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BUREAU OF LAND MANAGEMENT
MILES CITY FIELD OFFICE

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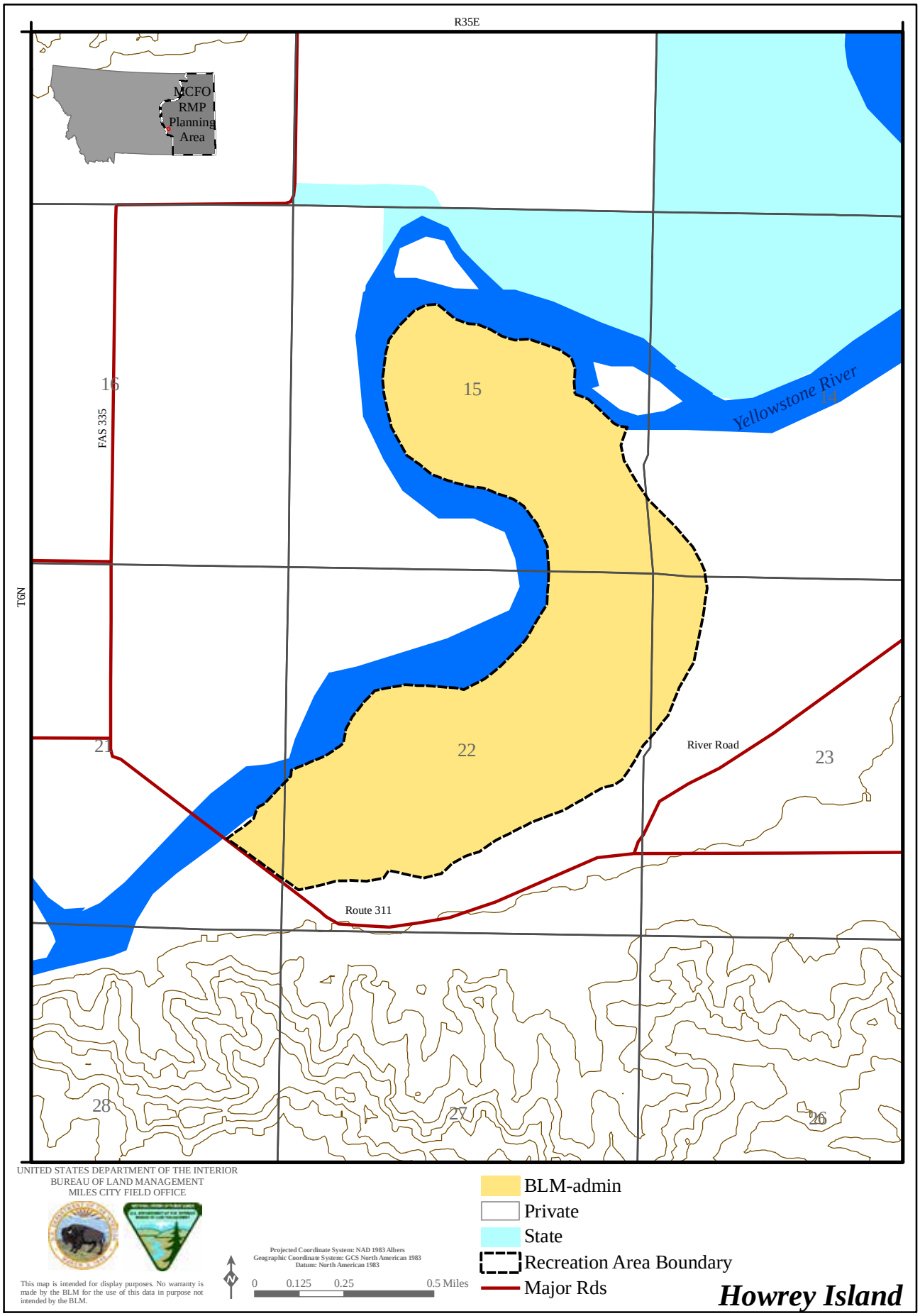
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

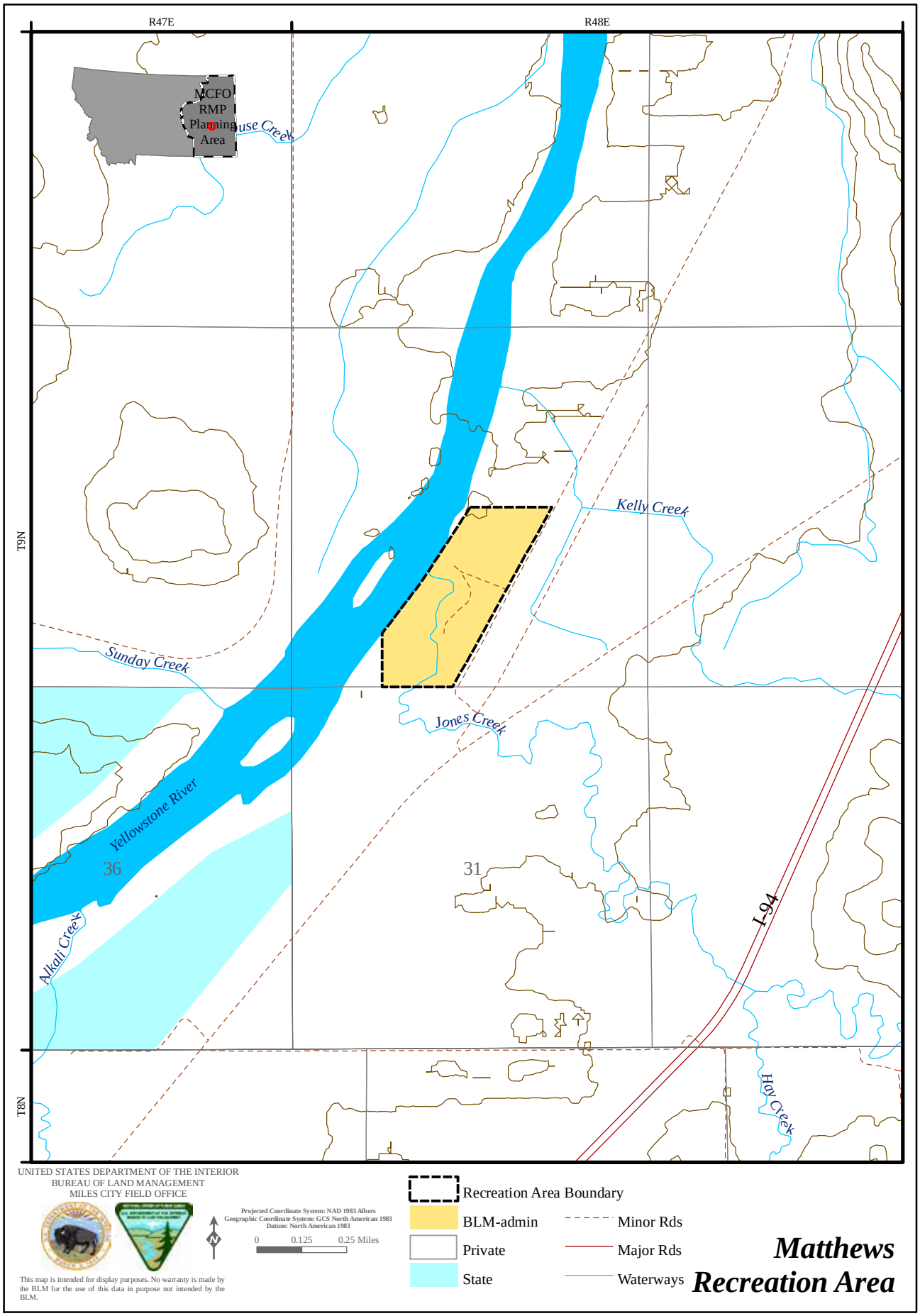
0 0.5 1 Miles

Travel Management Area
Knowlton TMA

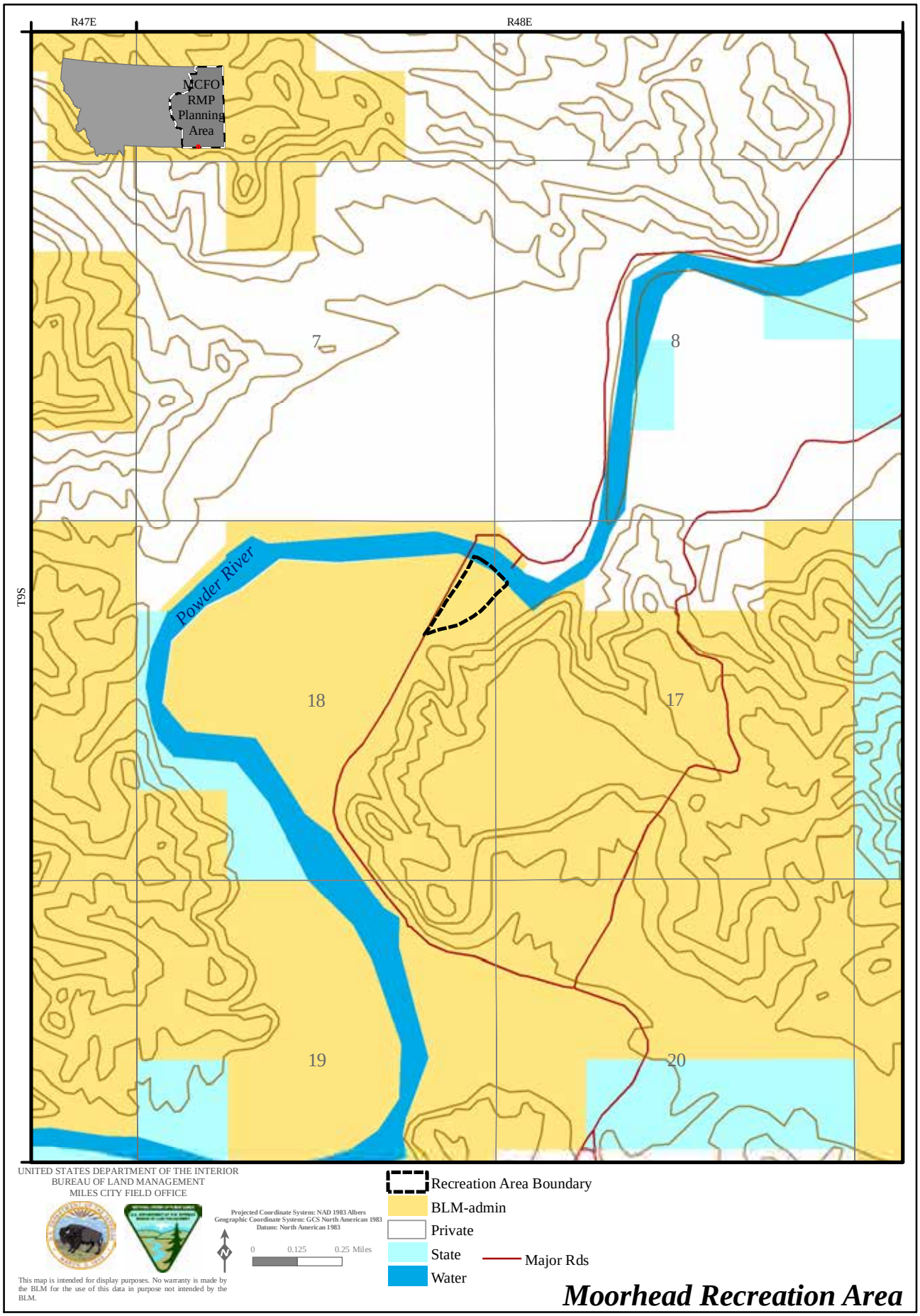
Map 83: *Howrey Island*



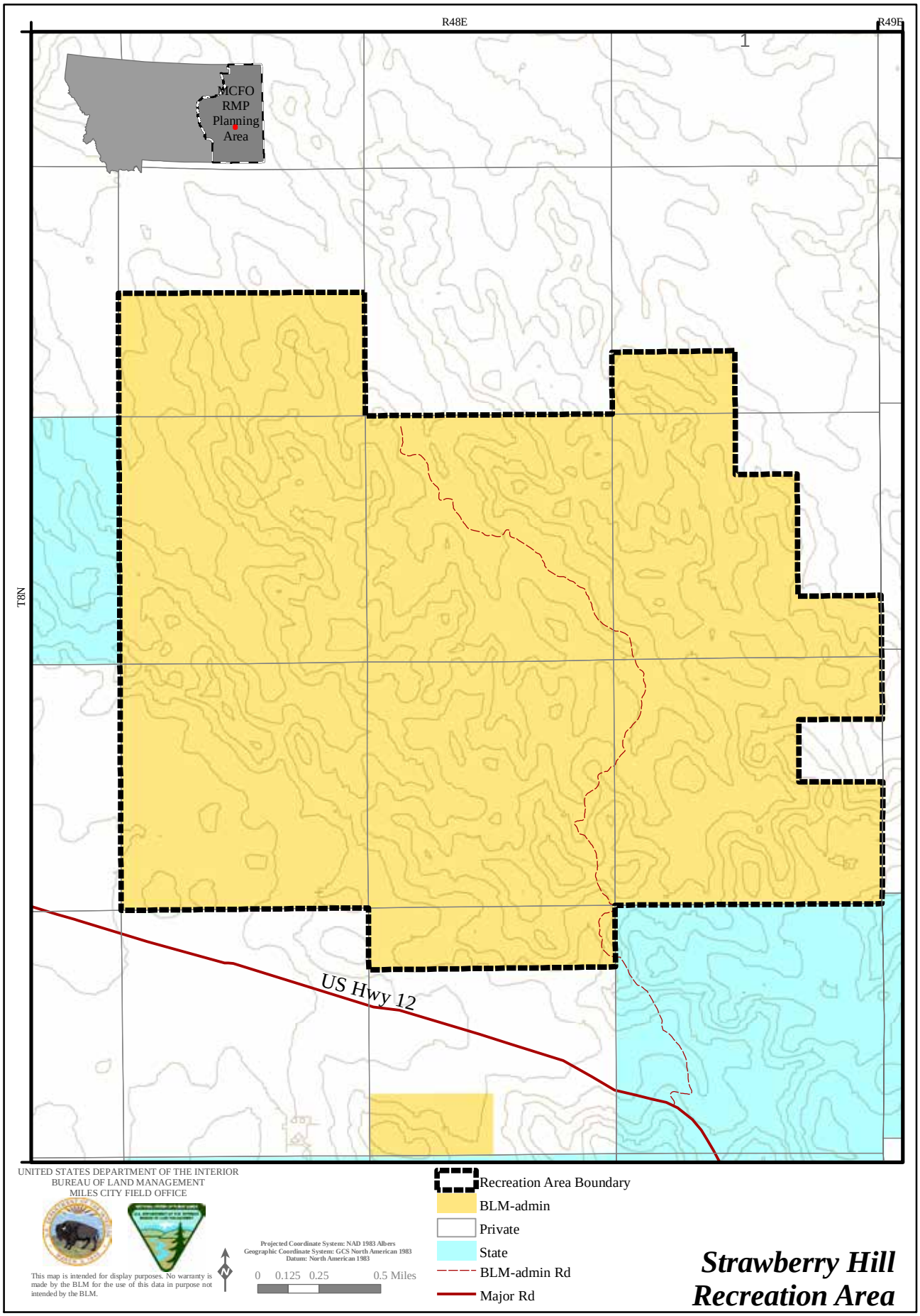
Map 84: *Matthews Recreation Area*



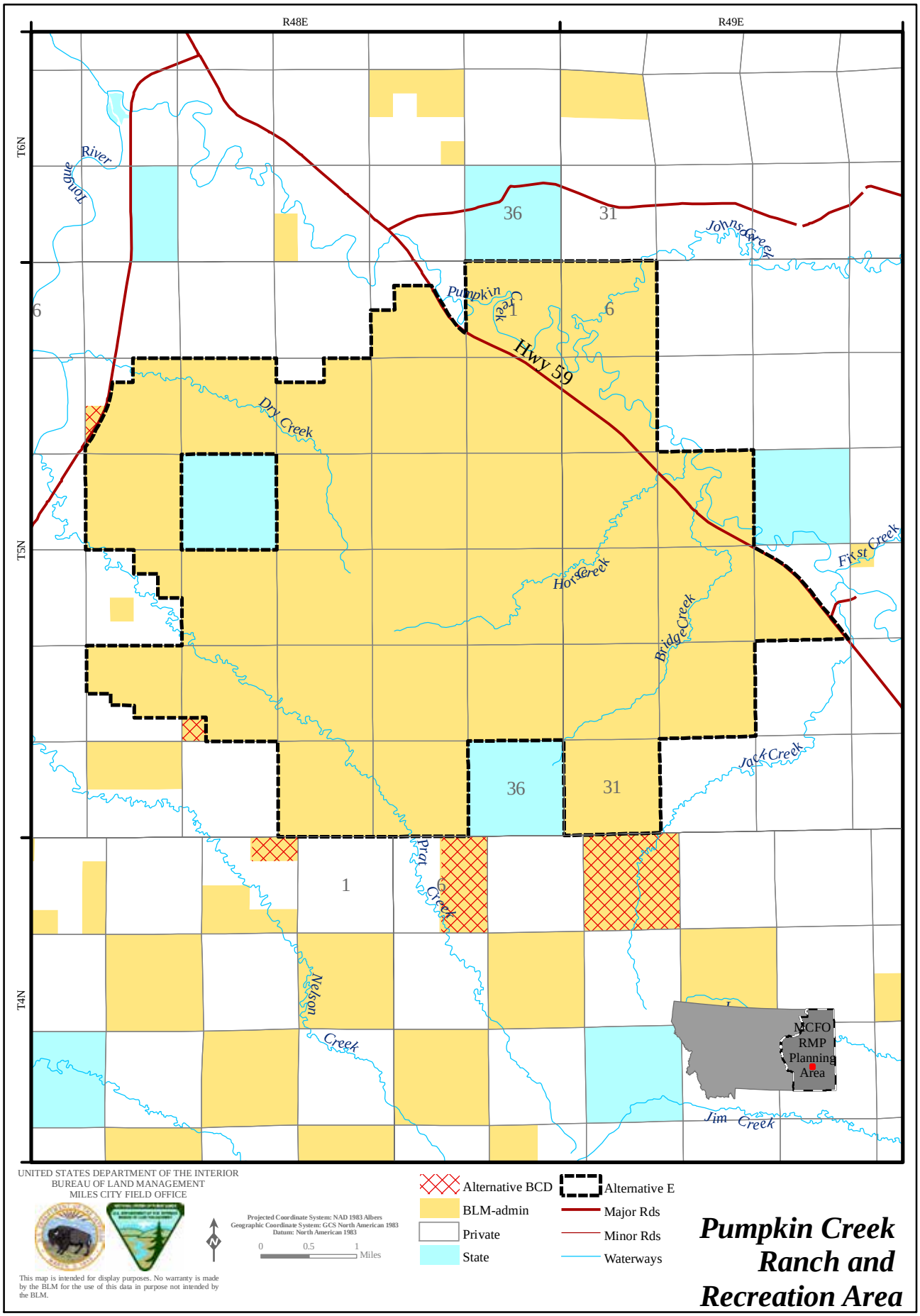
Map 85: *Moorhead Recreation Area*

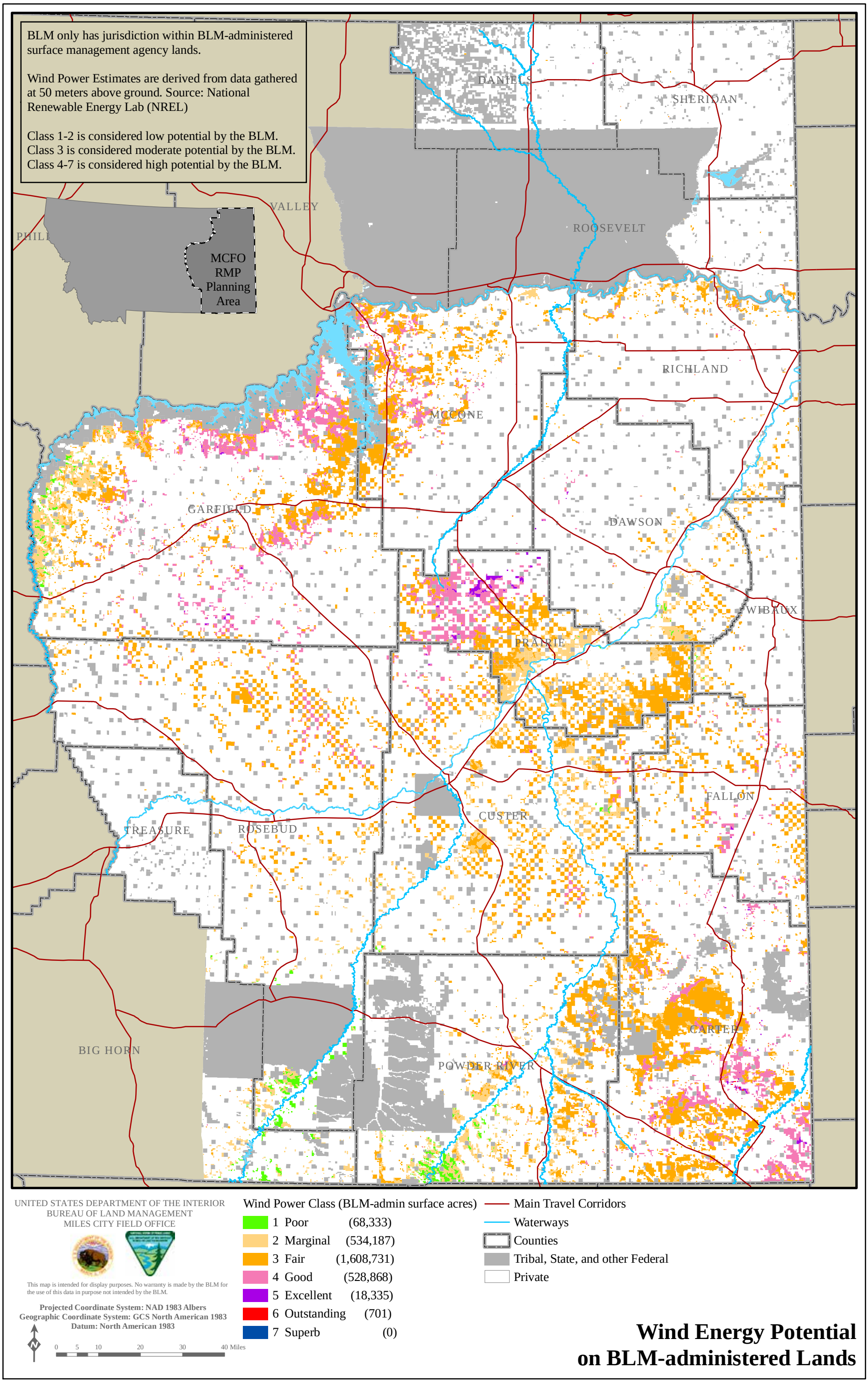


Map 86: *Strawberry Hill Recreation Area*

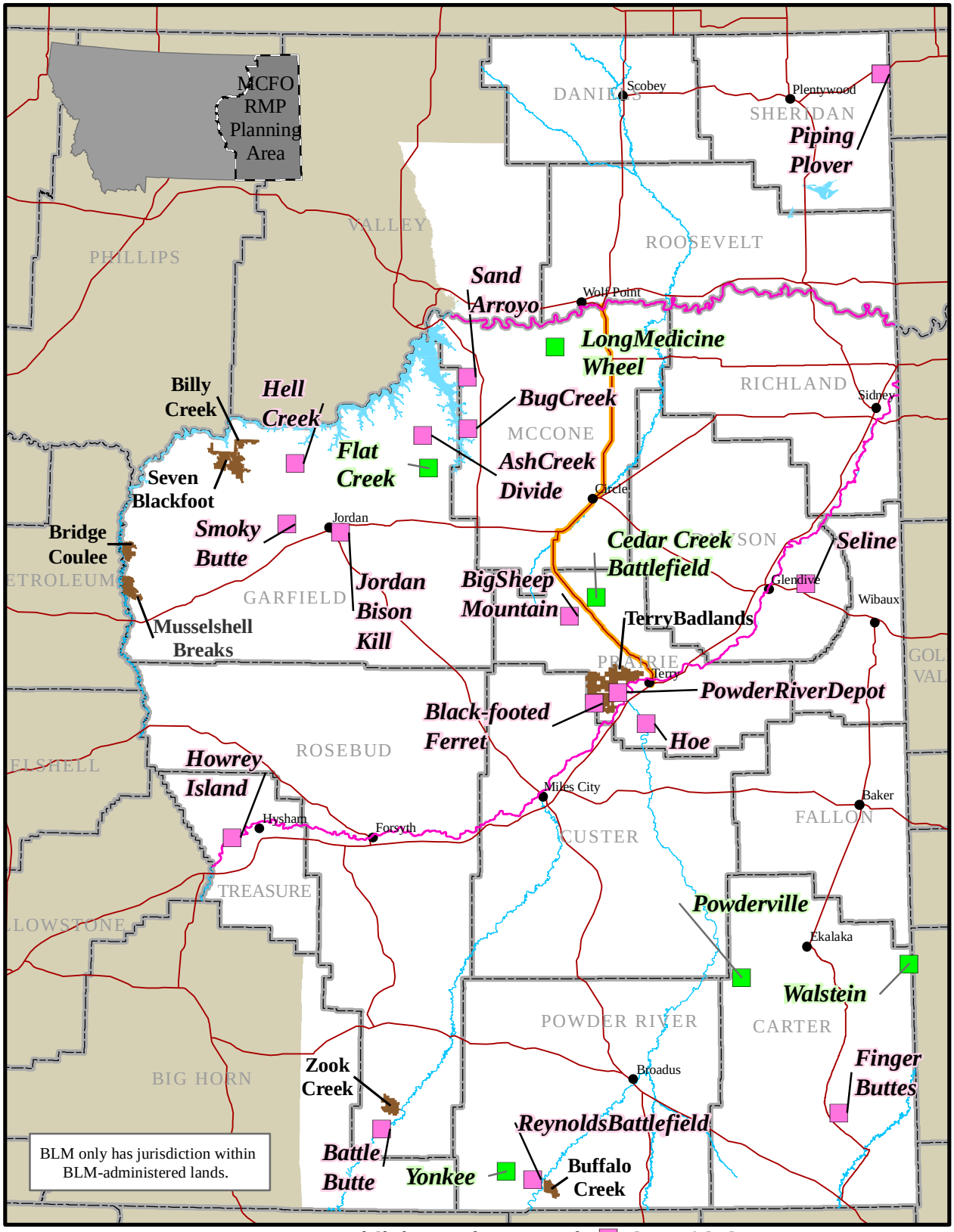


Map 87: *Pumpkin Creek Ranch and Recreation Area*





Map 88: Potential Wind Energy Development on BLM-administered Lands



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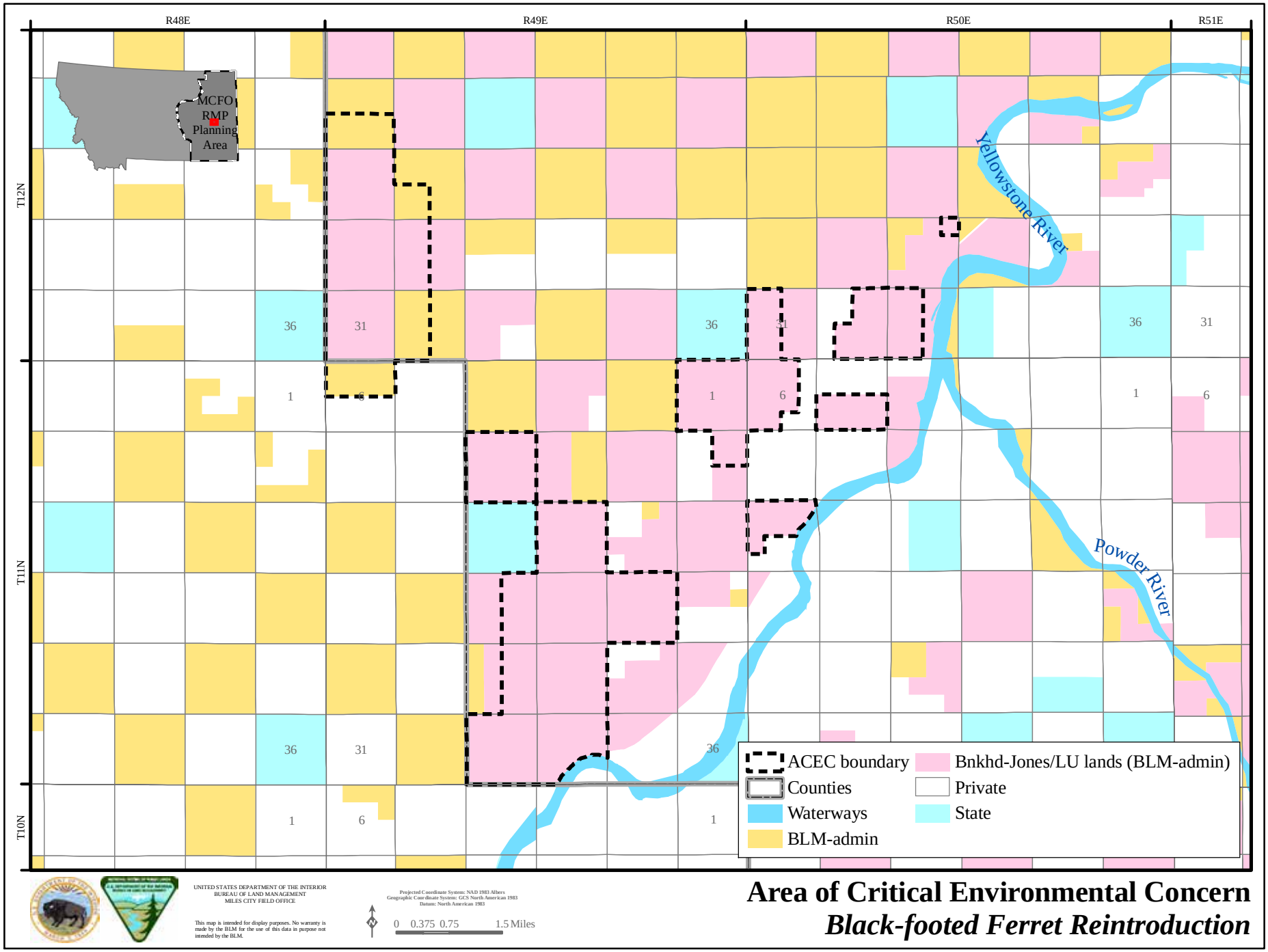
Lewis and Clark National Historic Trail
Wilderness Study Areas
Big Sky Back Country Byway
Water

Current ACECs
Proposed ACECs
See Map 7 for the proposed Greater Sage-grouse ACEC

Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 10 20 40 Miles

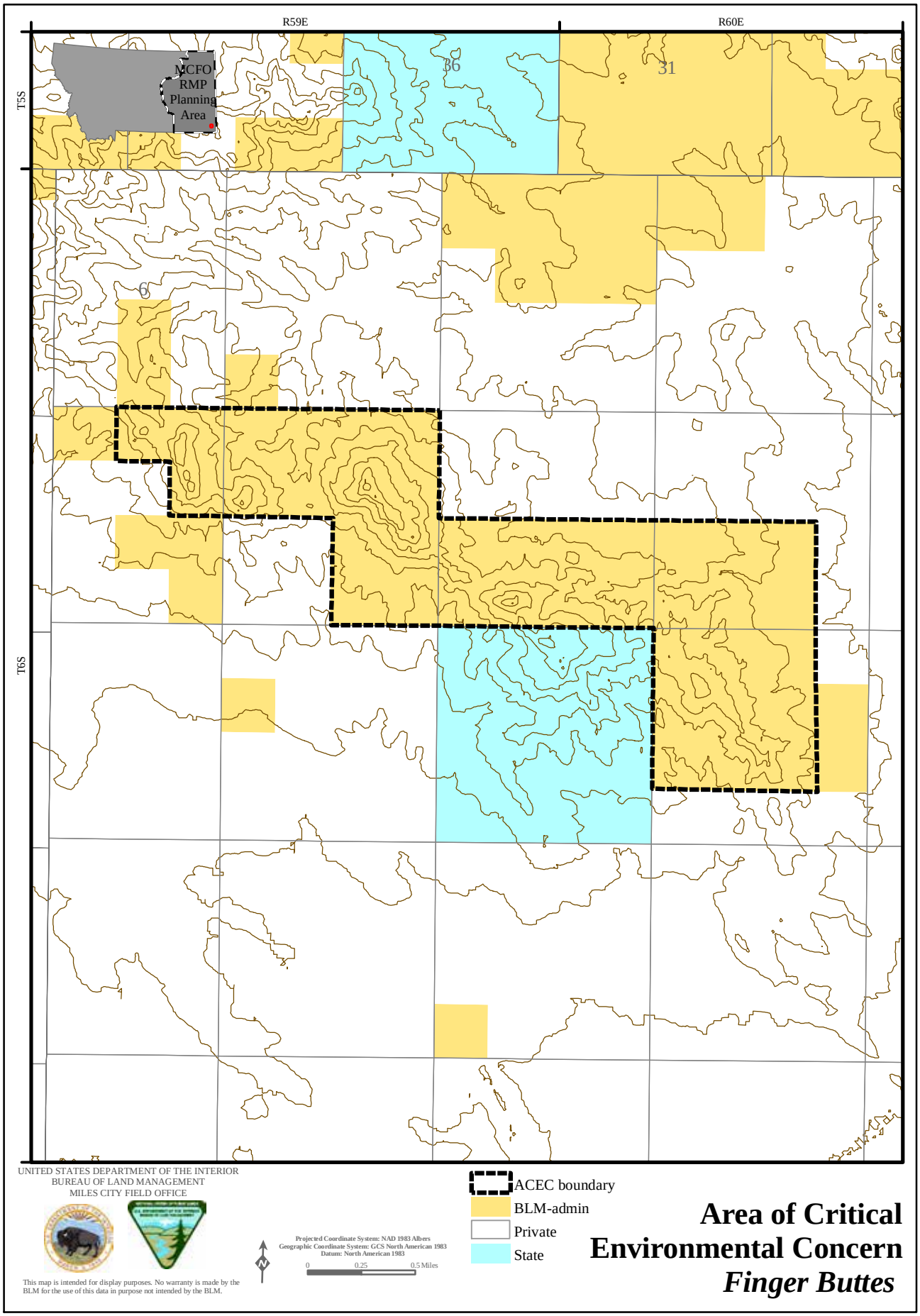
Special Designation Areas



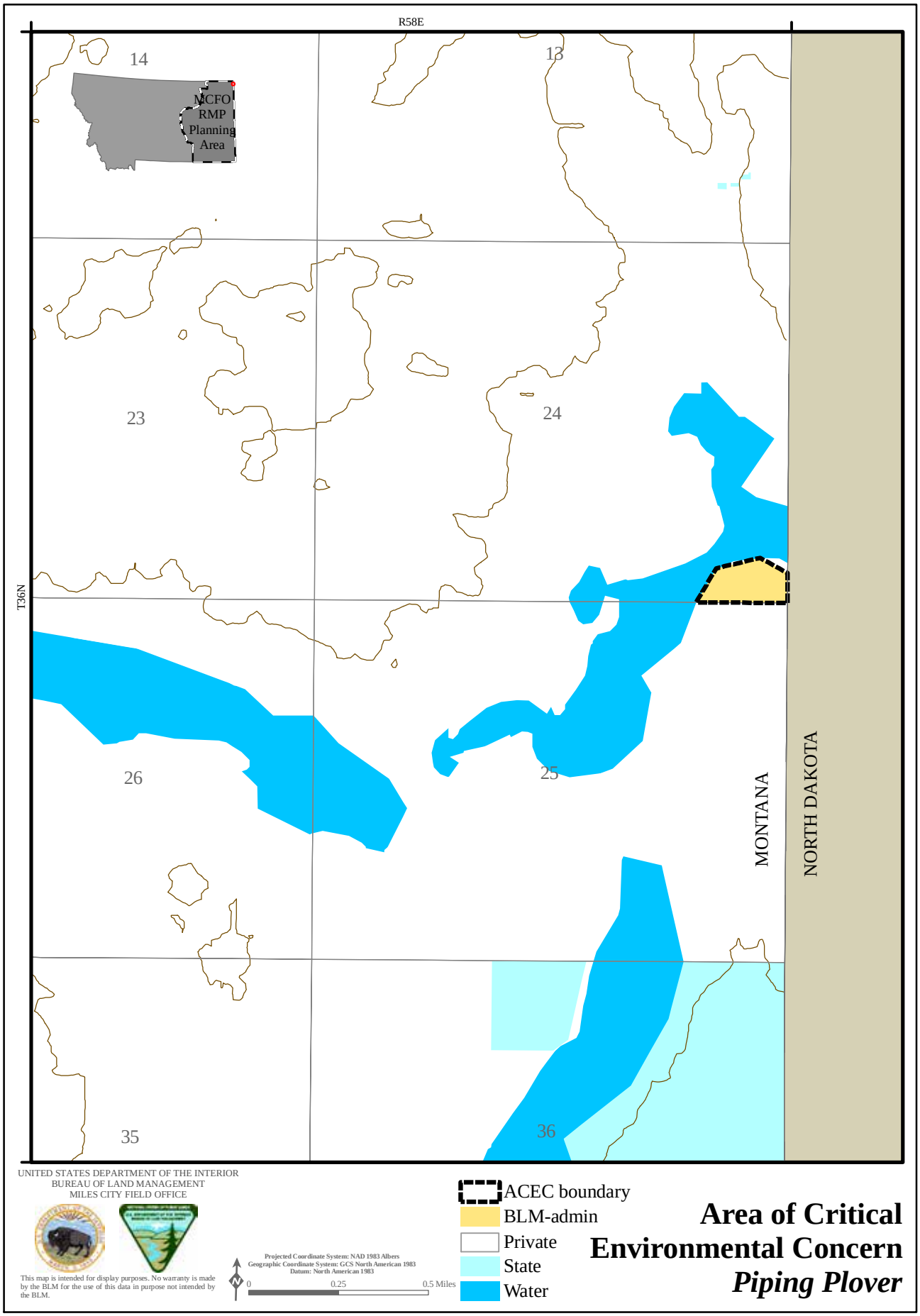
MAP-90

Map 90 :ACEC - *Black-footed Ferret*

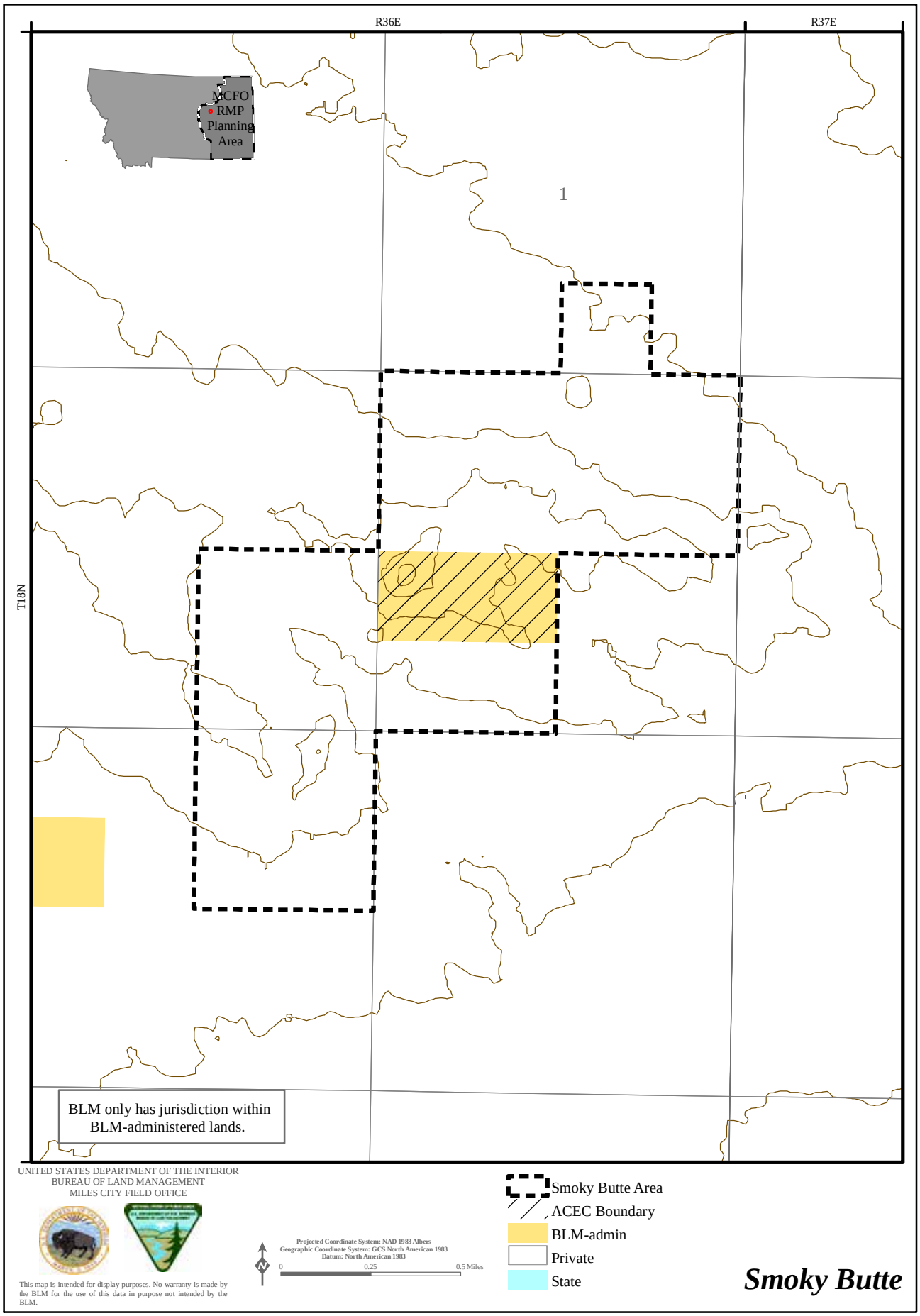
Map 91: ACEC - *Finger Buttes*

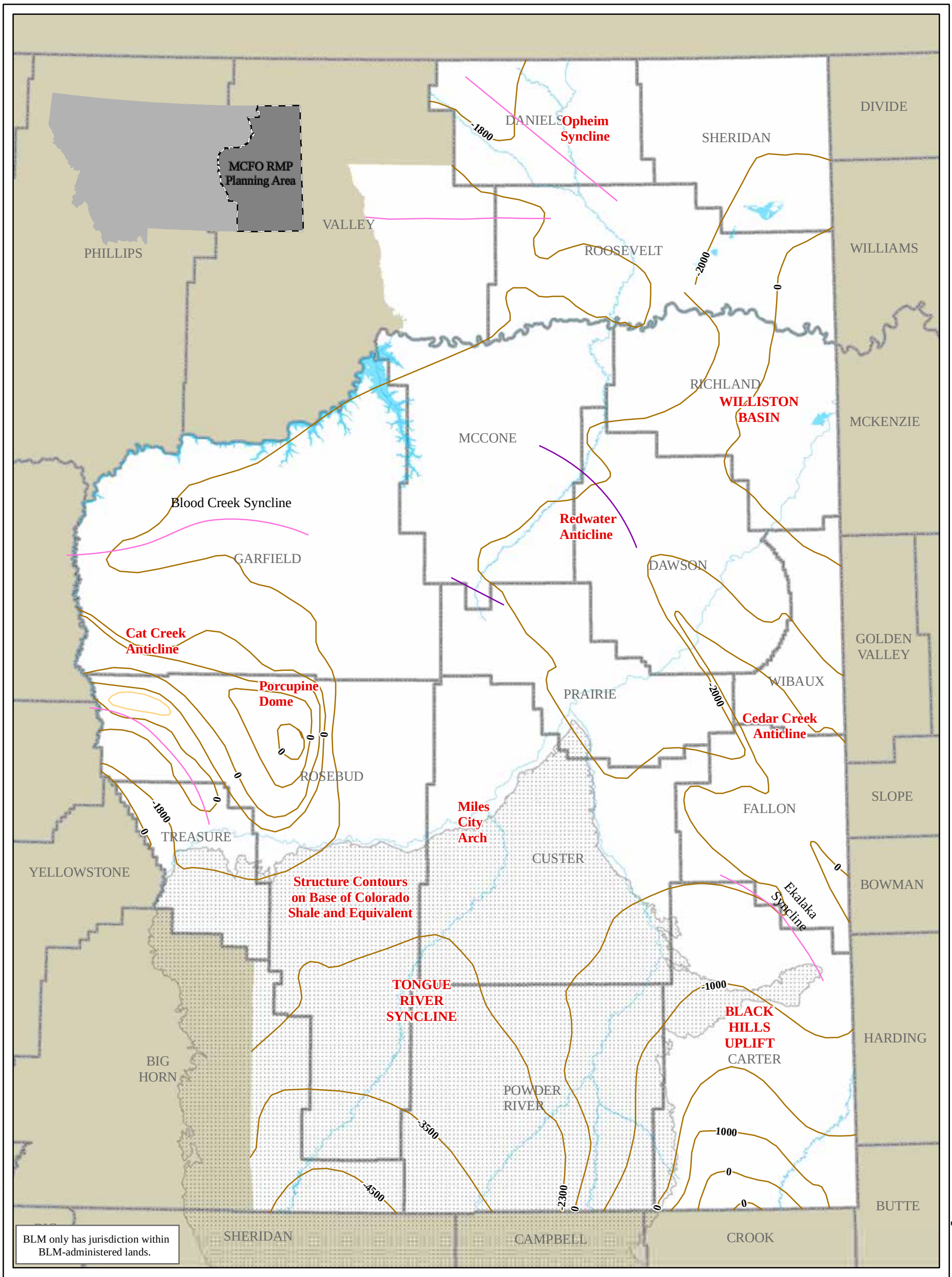


Map 92: ACEC - *Piping Plover*



Map 93: *Smoky Butte*





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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

1:1,498,006

0 5 10 20 30 40 Miles

Geologic Features (no faults shown)

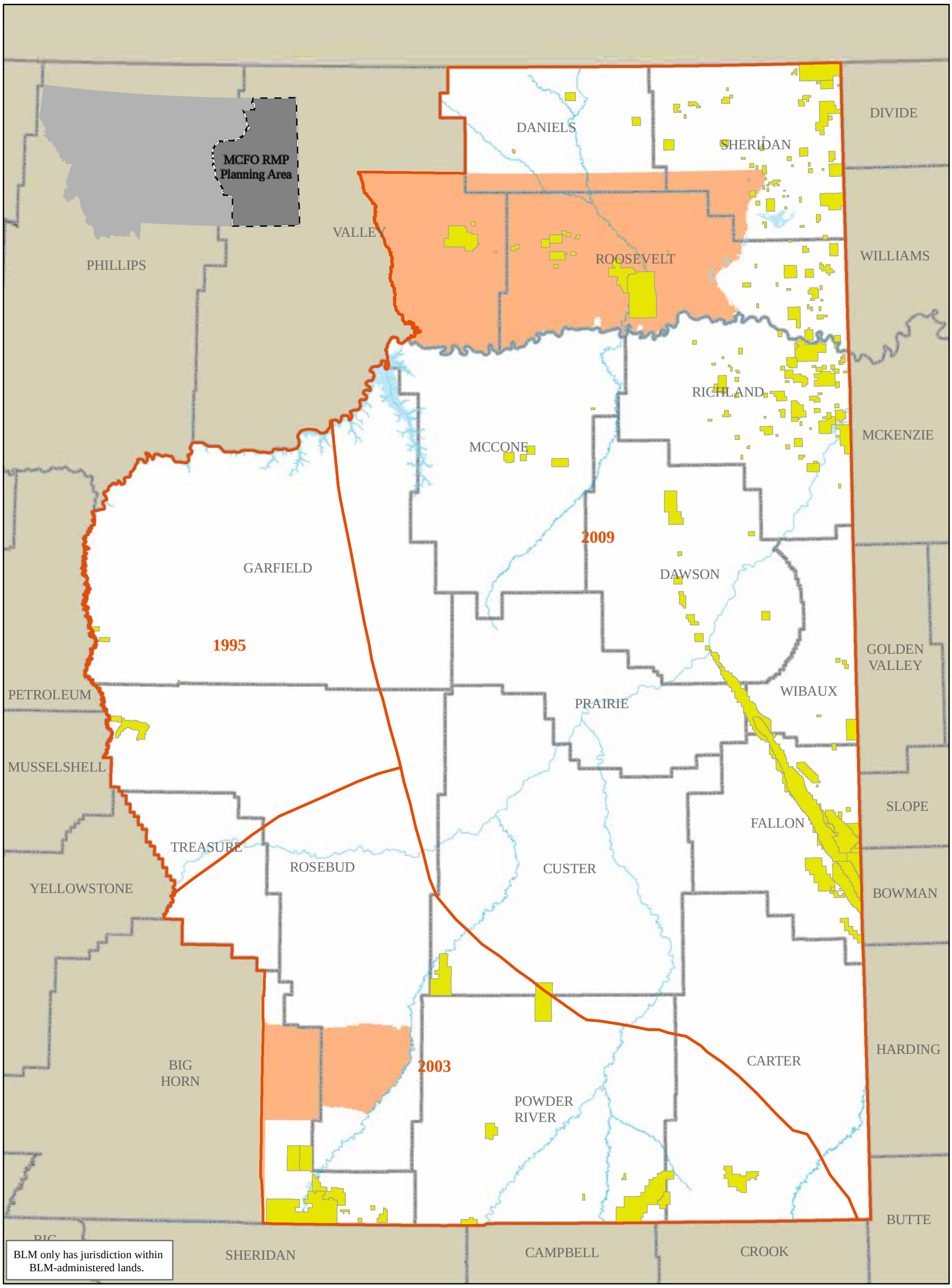
Type

- Anticline
- Graben
- Structural Contour
- Syncline
- Water

- Counties
- Powder River Basin (approximately)

Tectonic Features of the Planning Area

Map 94: *Tectonic Features of the Planning Area*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

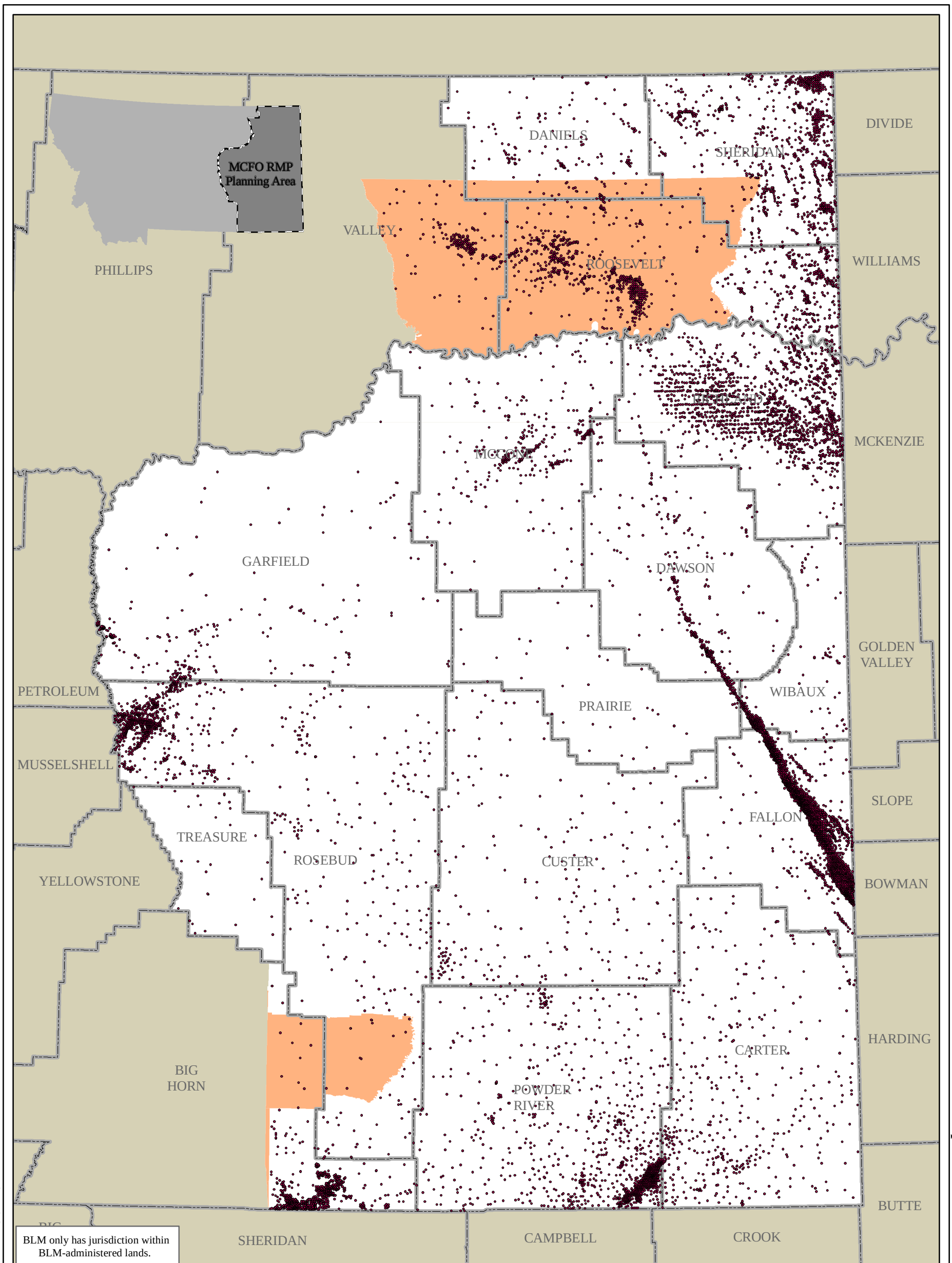
1:1,525,554

0 5 10 20 30 40 Miles

USGS Assesments
Counties
MBOGC Established Fields
BIA
Waterways

Established Fields and United States Geological Survey Assessment Years in the Planning Area

Map 95: *Established Fields and United States Geological Survey Assessment Years in the Planning Area*



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

1:1,521,132

0 5 10 20 30 40 Miles

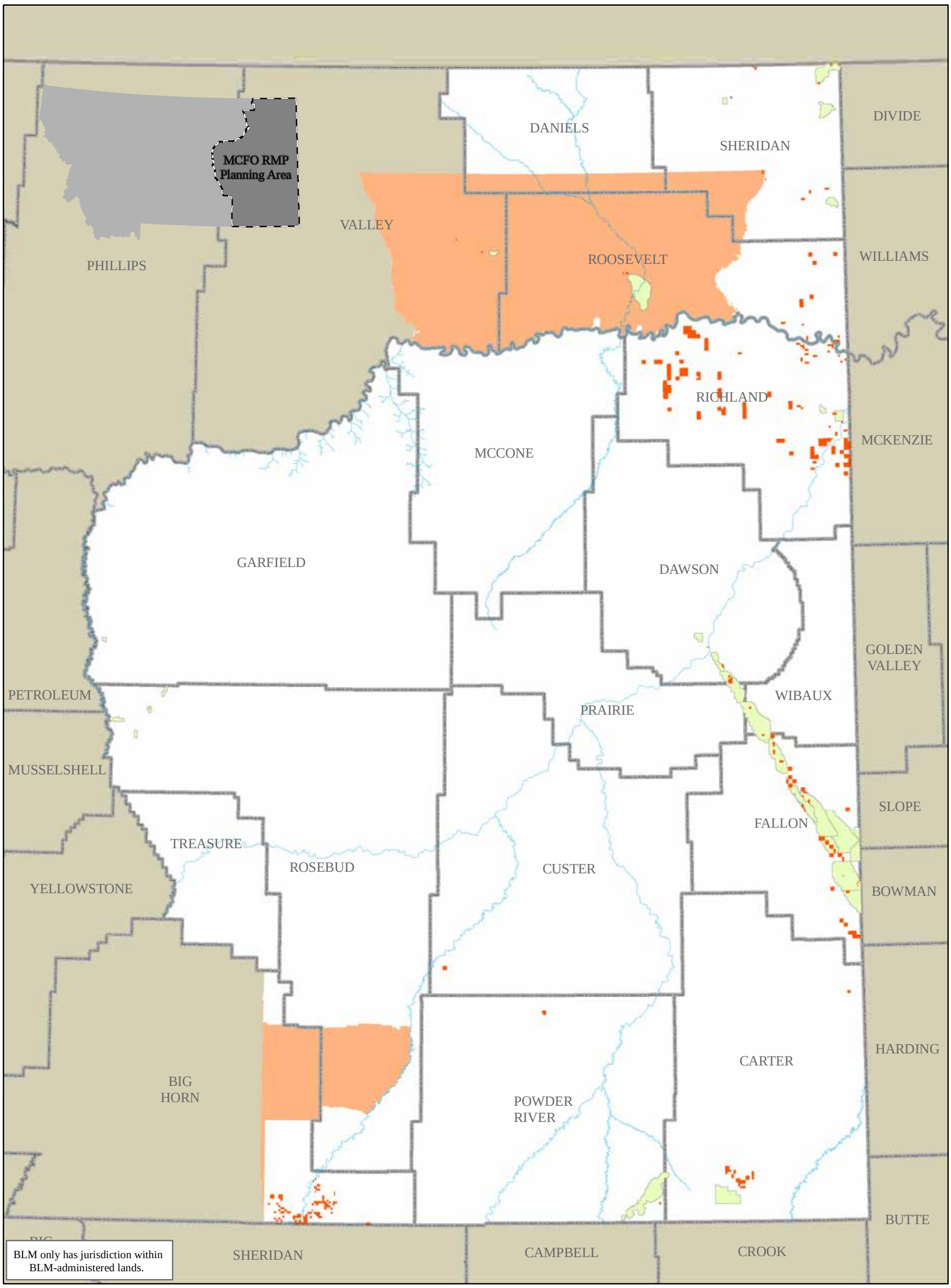
MCFO Oil and Gas Wells

Counties

BIA

All Oil and Gas Well Locations in the Planning Area

Map 96: *All Oil and Gas Well Locations in the Planning Area*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

1:1,522,940

0 5 10 20 30 40 Miles

MCFO Communitization Agreements

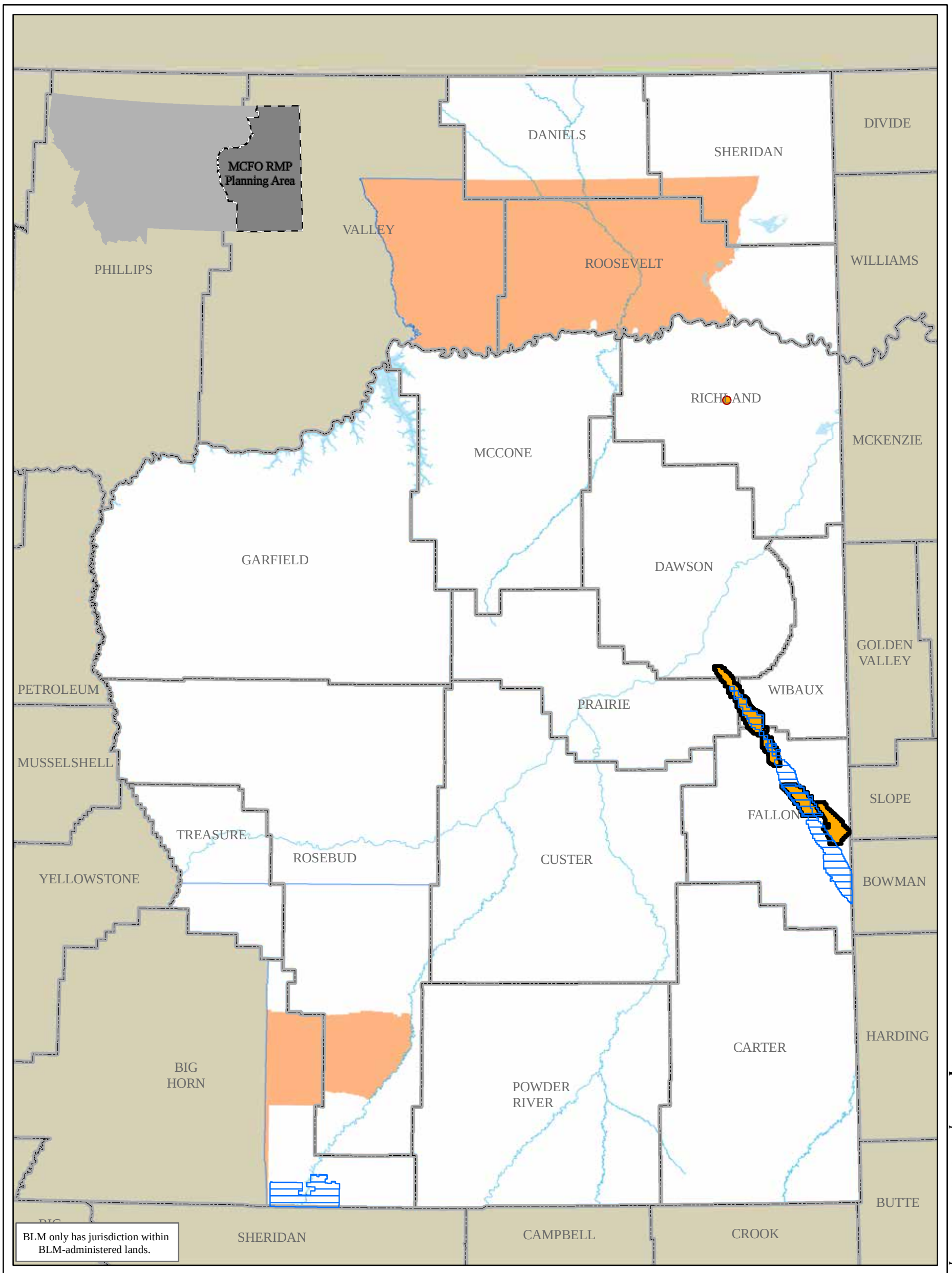
MCFO Approved Units

Counties

BIA

Oil and Gas Unit Agreements and Approved Communitization Agreements in the Planning Area

Map 97: *Oil and Gas Unit Agreements and Approved Communitization Agreements in the Planning Area*



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

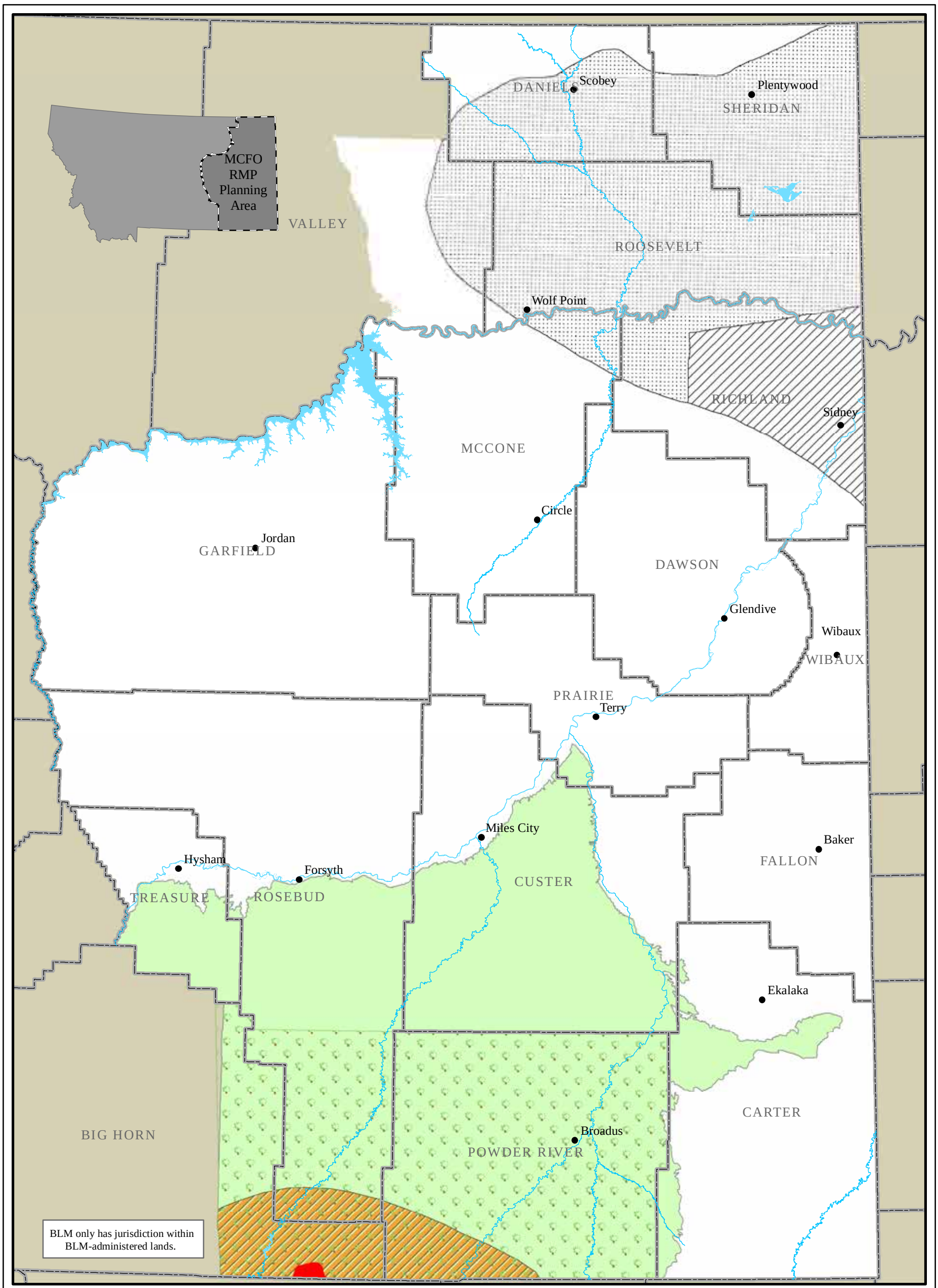
1:1,524,282

0 5 10 20 30 40 Miles

General Location of Undesignated Elm Coulee Oil and Gas Field
Top 5 Gas-producing Fields
Top 5 Oil-producing Fields
Water
MBOGC Producing Regions
Counties
BIA

Top Five Gas and Oil-producing Fields in the Planning Area

Map 98: *Top Five Gas- and Oil-producing Fields in the Planning Area*



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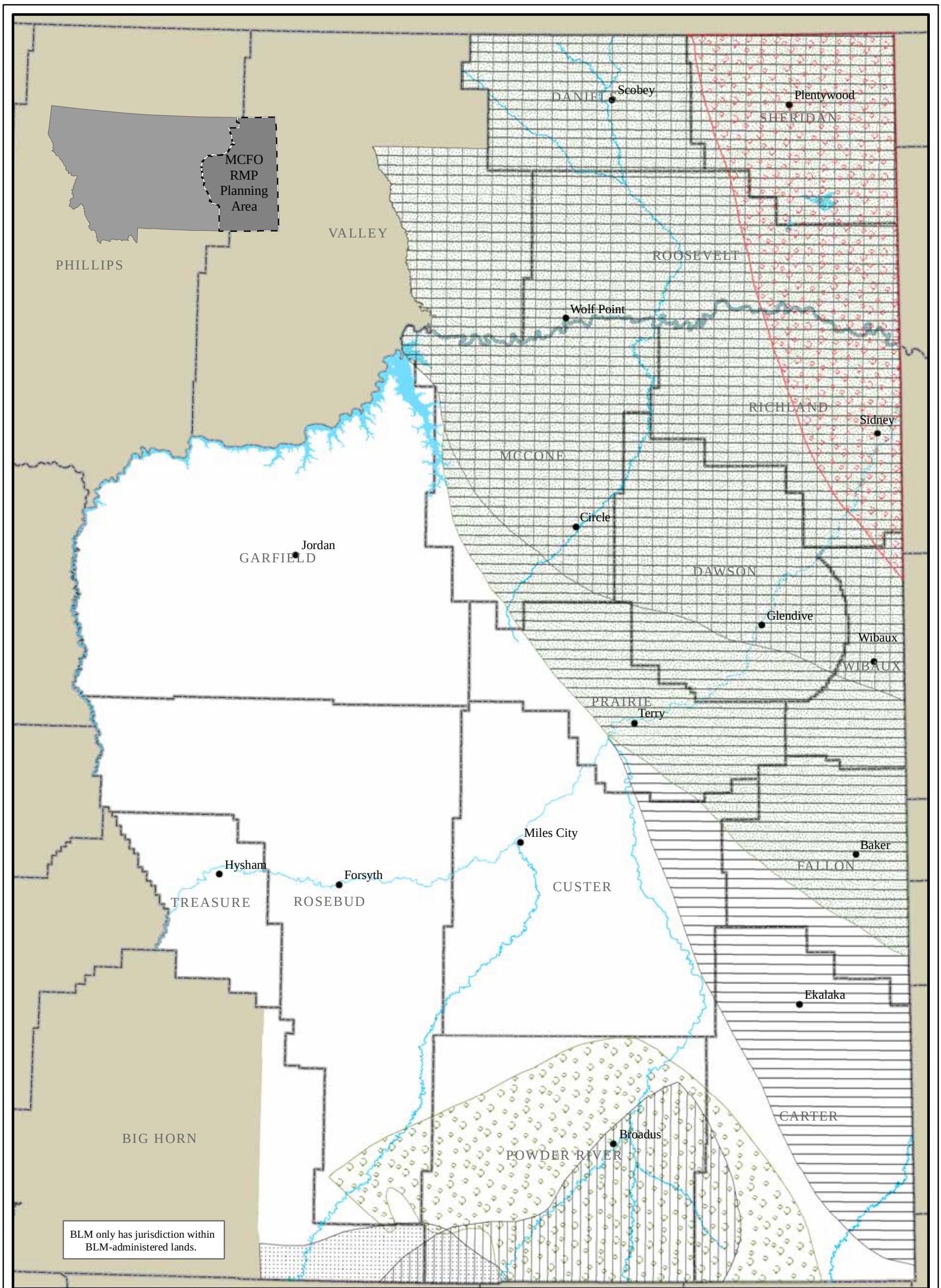
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

- Bakken Intermediate
- Bakken Outlying
- Mowry
- Biogenic Gas
- Sussex-Shannon Sandstone
- Tertiary-Upper Cretaceous CBNG
- Waterways
- Counties

Oil and Gas Assessment Units
Map Series 1 of 3



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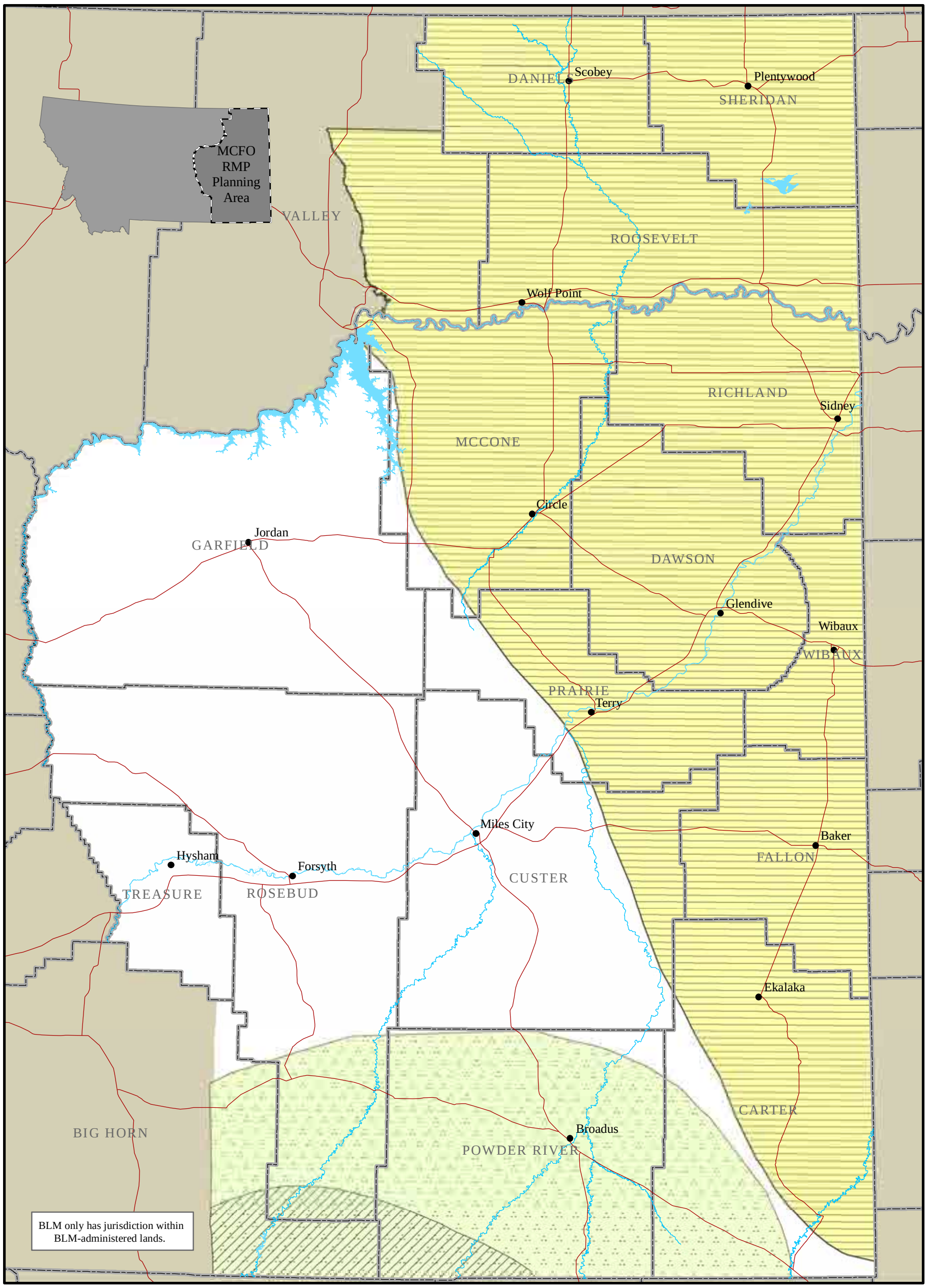
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

- Upper Minnelusa Sandstone
- Fall River Sandstone
- Mesaverde-Lewis
- Post-Madison through Triassic Clastics
- Pre-Prairie Middle Devonian and Silurian
- Middle and Upper Devonian (Pre-Bakken - Post-Prairie Salt)
- Pre-Red River Gas
- Waterways
- Counties

Oil and Gas Assessment Units
Map Series 2 of 3



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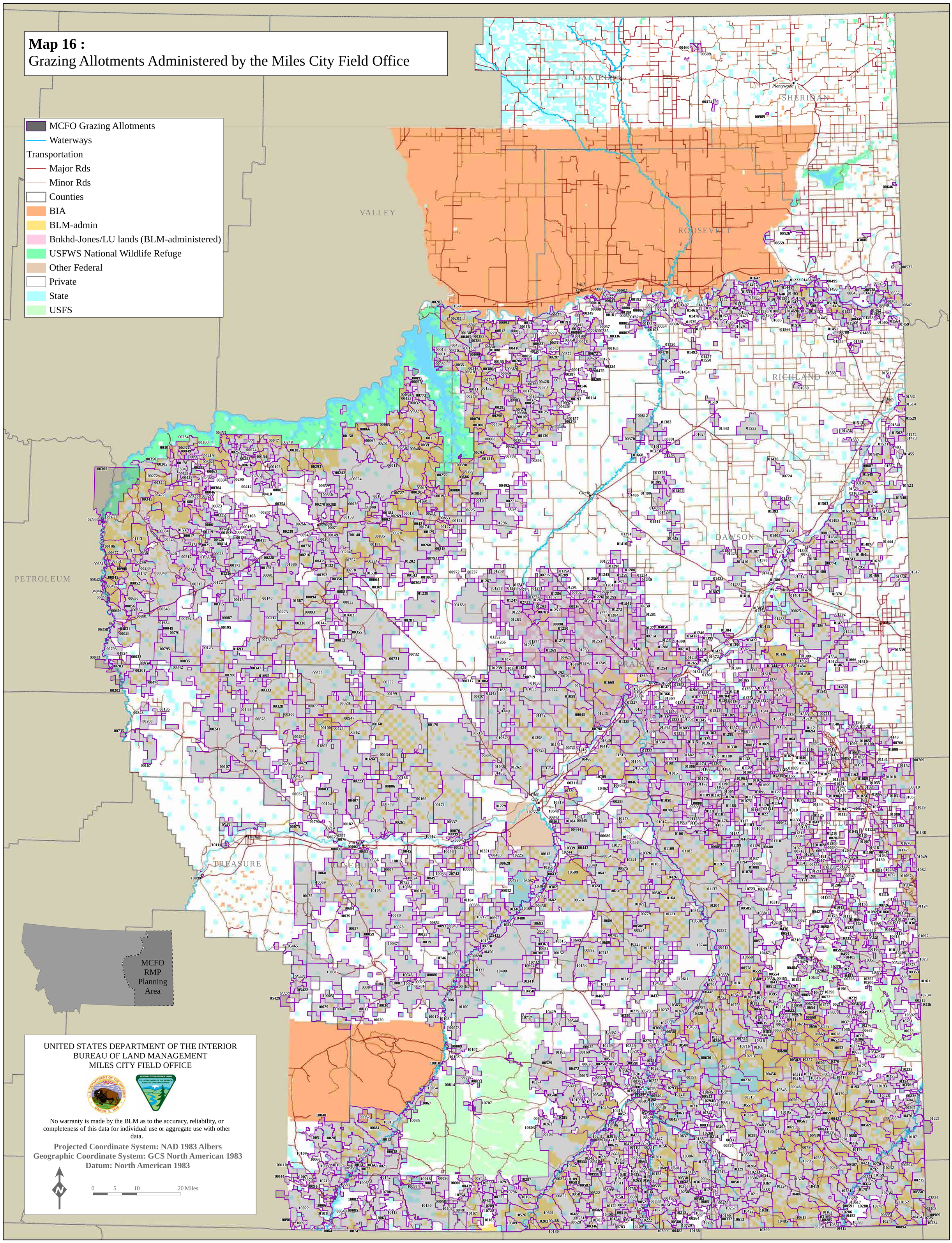
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

Sussex-Shannon Sandstone
Lakota Sandstone
Muddy Sandstone
Madison (Mississippian)
Red River (Ordovician)
Major Rds
Waterways
Counties

Oil and Gas Assessment Units
Map Series 3 of 3

Map 16 :
Grazing Allotments Administered by the Miles City Field Office



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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

Map 22:
Oil and Gas Leasing Restrictions *Alternative A*

Withdrawn
WSA Interim Management
No Surface Occupancy
Timing Limitations
Standard Lease Terms
No Federal Minerals Present
BIA
Major Rds
Counties

DANIELS
Scobey
Plentywood
SHERIDAN
VALLEY
PHILLIPS
ROOSEVELT
Wolf Point
RICHLAND
Sidney
MCCONE
Circle
GARFIELD
DAWSON
Glendive
Wibaux
WIBAUX
PRAIRIE
Terry
Miles City
Baker
Hysham
Forsyth
FALLON
CUSTER
TREASURE
ROSEBUD
Ekalaka
CARTER
Broadus
POWDER RIVER

MCFO RMP Planning Area

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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles

Map 23:
Oil and Gas Leasing Restrictions *Alternative B*

Withdrawn
WSA Interim Management
Closed to Leasing
No Surface Occupancy
Controlled Surface Use
Standard Lease Terms
No Federal Minerals Present
BIA
Major Rds
Counties

DANIELS
Scobey
Plentywood
SHERIDAN
VALLEY
PHILLIPS
ROOSEVELT
Wolf Point
RICHLAND
Sidney
MILK ONE
Circle
Jordan
GARFIELD
DAWSON
Glendive
Wibaux
WIBAUX
PRAIRIE
Terry
Miles City
Baker
FALLON
Hysham
Forsyth
CUSTER
TREASURE
ROSEBUD
Ekalaka
CARTER
Broadus
POWDER RIVER

MCFO
RMP
Planning
Area

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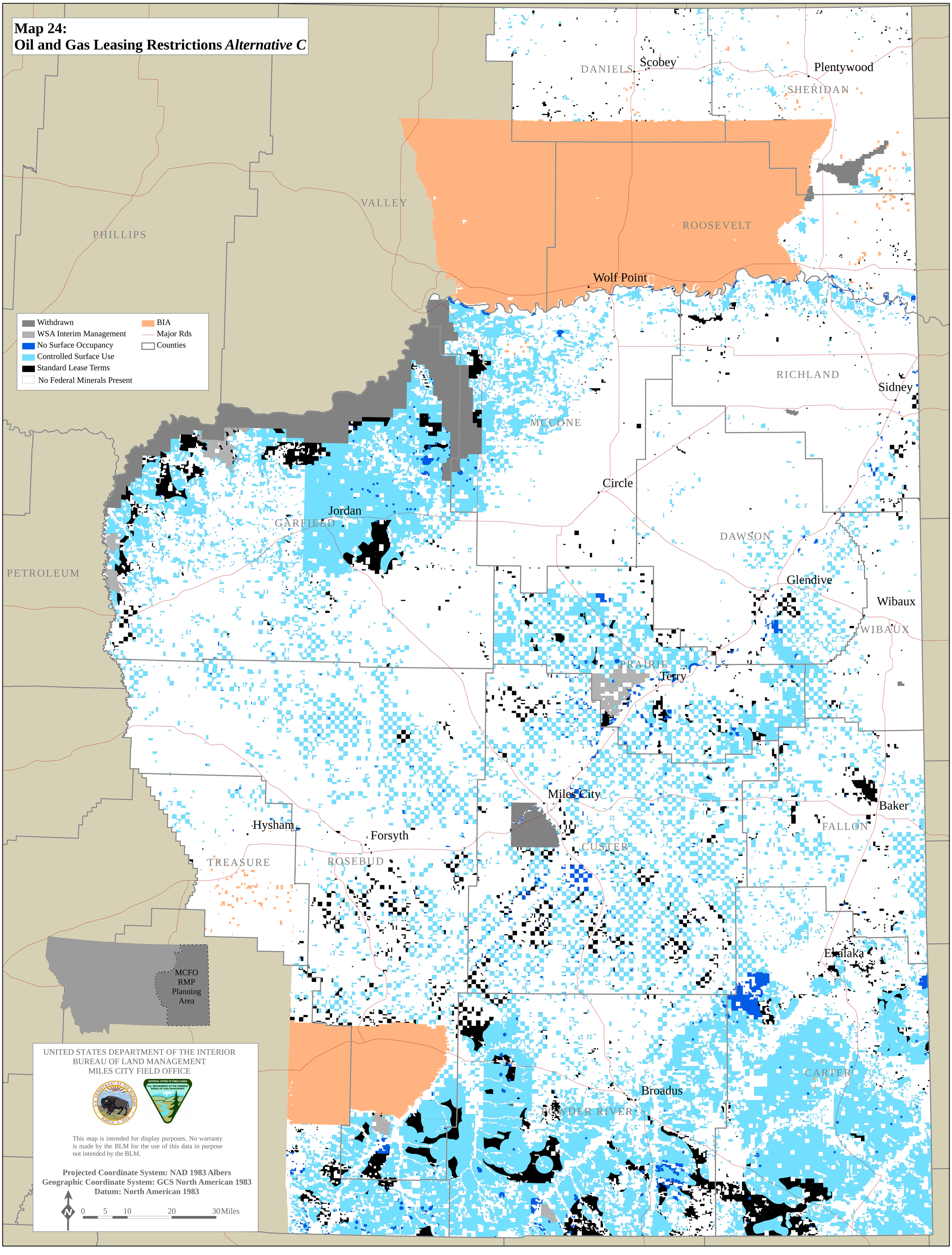
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles

Map 24:
Oil and Gas Leasing Restrictions *Alternative C*



Map 25:
Oil and Gas Leasing Restrictions *Alternative D*

Closed to Leasing
No Surface Occupancy
Controlled Surface Use
Standard Lease Terms
No Federal Minerals Present
BIA
Major Rds
Counties

DANIELS
Scobey
Plentywood
SHERIDAN
VALLEY
PHILLIPS
ROOSEVELT
Wolf Point
RICHLAND
Sidney
MCCONE
Circle
Jordan
GARFIELD
DAWSON
PETROLEUM
Glendive
Wibaux
WIBAUX
PRAIRIE
Terry
Miles City
Baker
Hysham
Forsyth
FALLON
CUSTER
TREASURE
ROSEBUD
Ekalaka
CARTER
Broadus
POWDER RIVER

MCFO RMP Planning Area

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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles

Map 26:
Oil and Gas Leasing Restrictions *Alternative E*

Withdrawn
WSA Interim Management
No Surface Occupancy
Controlled Surface Use
Standard Lease Terms
No Federal Minerals Present
BIA
Major Rds
Counties

DANIELS
Scobey
Plentywood
SHERIDAN
VALLEY
PHILLIPS
ROOSEVELT
Wolf Point
RICHLAND
Sidney
MCCONE
Circle
Jordan
GARFIELD
DAWSON
Glendive
Wibaux
WIBAUX
PRAIRIE
Terry
Miles City
Baker
FALLON
Hysham
Forsyth
CUSTER
TREASURE
ROSEBUD
Ekalaka
CARTER
Broadus
POWDER RIVER

MCFO
RMP
Planning
Area

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Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles

Map 76: Coal Development Potential

BLM only has jurisdiction within BLM-administered lands.

- Coal Areas Acceptable for Further Consideration
- Coal decisions from previous planning documents
- Federal Coal within High and Moderate Coal Area
- Presumed High and Moderate
- Big Dry and Powder River RMP areas
- Federal Coal Tracts
- Coal Areas Acceptable for Further Consideration and Pending Further Study

DANIELS
Scobey
Plentywood
SHERIDAN
DIVIDE
BLAINE
VALLEY
ROOSEVELT
WILLIAMS
Wolf Point
RICHLAND
Sidney
MCKENZIE
MCCONE
FERGUS
Meridian Tract 1
Redwater Tract 2
Central Bloomfield Tract
Bloomfield Tract
Redwater Tract 1
Burns Tract
Meridian Tract 2
Circle
Jordan
GARFIELD
DAWSON
PETROLEUM
Glendive
Southwest Glendive Tract
Wibaux
North Wibaux-Beach Tract
WIBAUX
PRAIRIE
Terry
MUSSELSHELL
Miles City
Baker
SLOPE
FALLON
Hysham
Forsyth
CUSTER
ROSEBUD
TREASURE
YELLOWSTONE
MCFO RMP Planning Area
Ekalaka
Downey Coulee
Pumpkin Creek
Cook Mountain
Coal Creek
Ashland (Decker-Birney)
Northwest Otter Creek
Southwest Otter Creek
CARTER
Broadus
POWDER RIVER
Prairie Dog Creek
Mud Springs
Hanging Woman Creek
Bear Creek
Wolf Mountain Maintenance
CX Ranch Mine
BUTTE
SHERIDAN
CAMPBELL
CROOK

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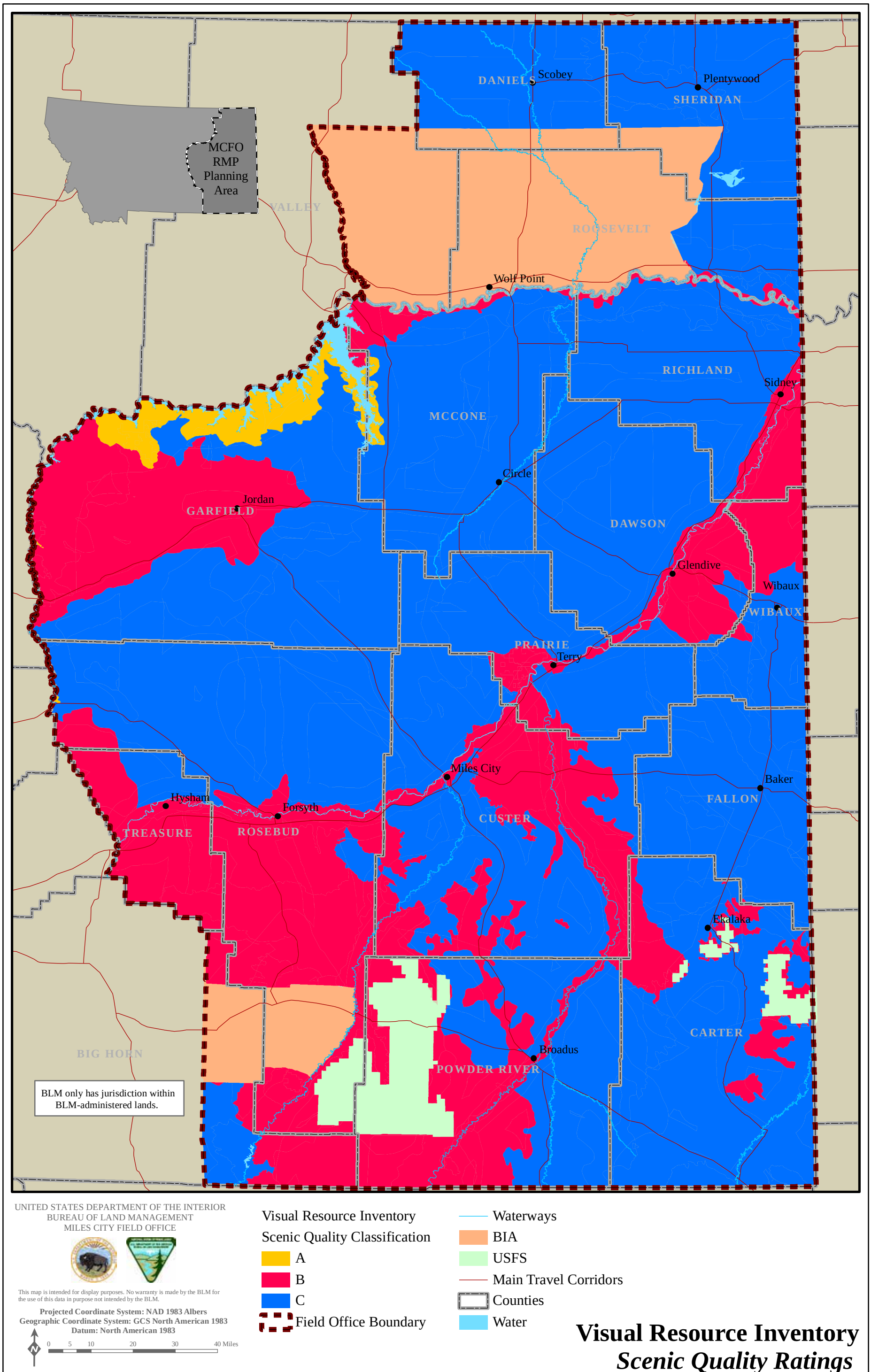
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 Miles



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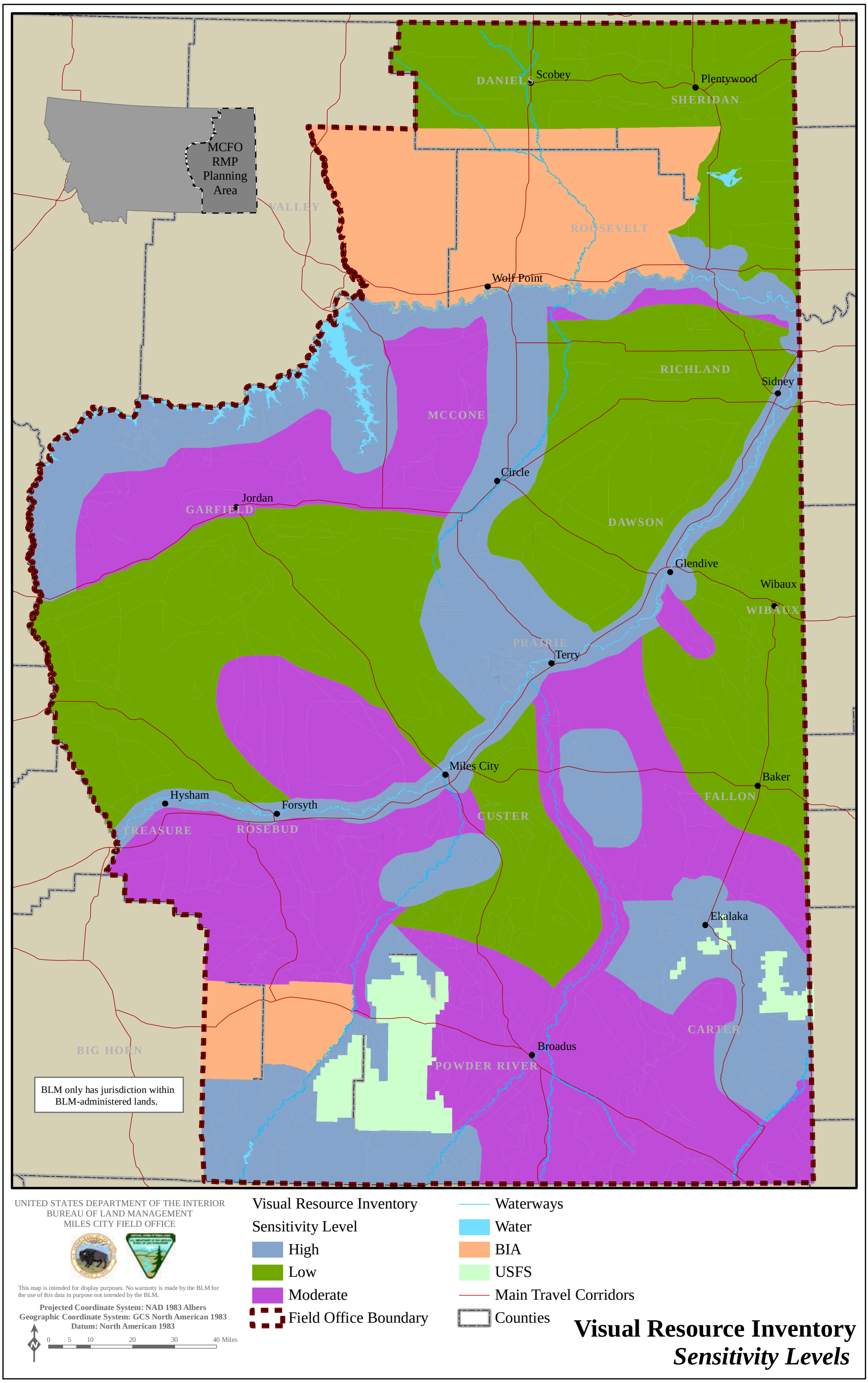
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 5 10 20 30 40 Miles

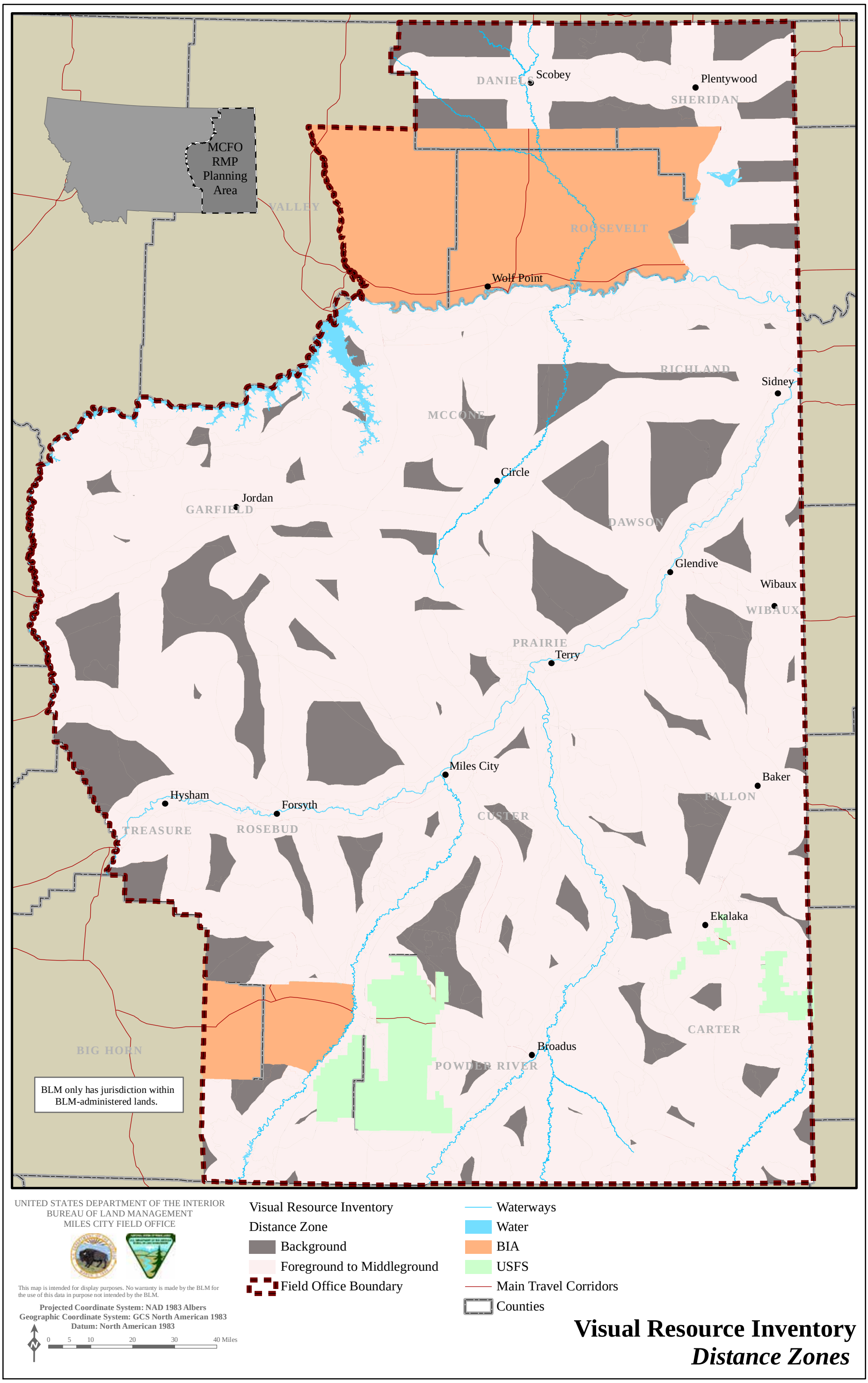
Visual Resource Inventory
Scenic Quality Classification
- A
- B
- C
- Field Office Boundary
- Waterways
- BIA
- USFS
- Main Travel Corridors
- Counties
- Water

Visual Resource Inventory
Scenic Quality Ratings

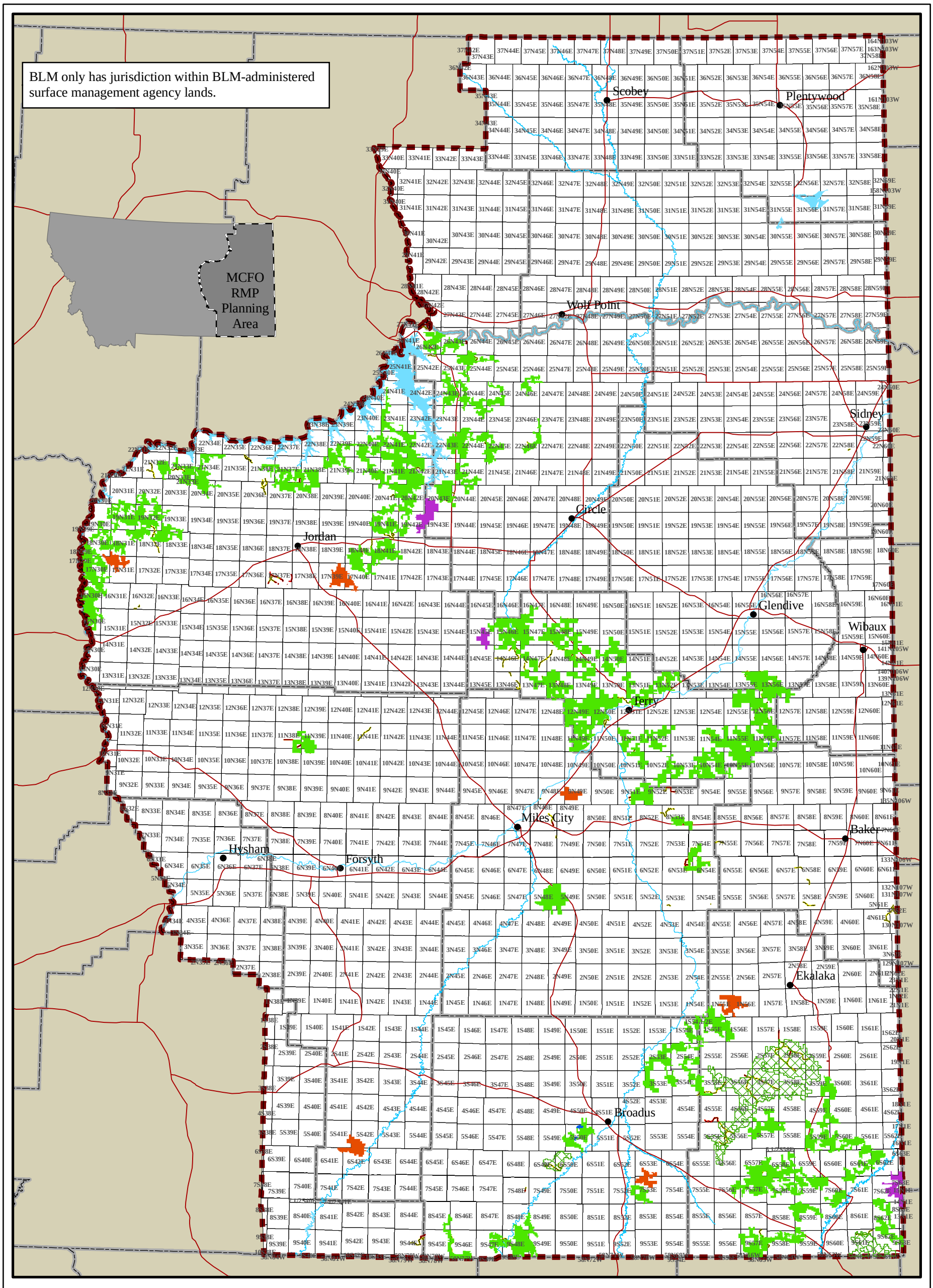
Map 61: Visual Resource Inventory - *Scenic Quality Ratings*



Map 62: Visual Resource Inventory - *Sensitivity Levels*



Map 63: Visual Resource Inventory - *Distance Zones*



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

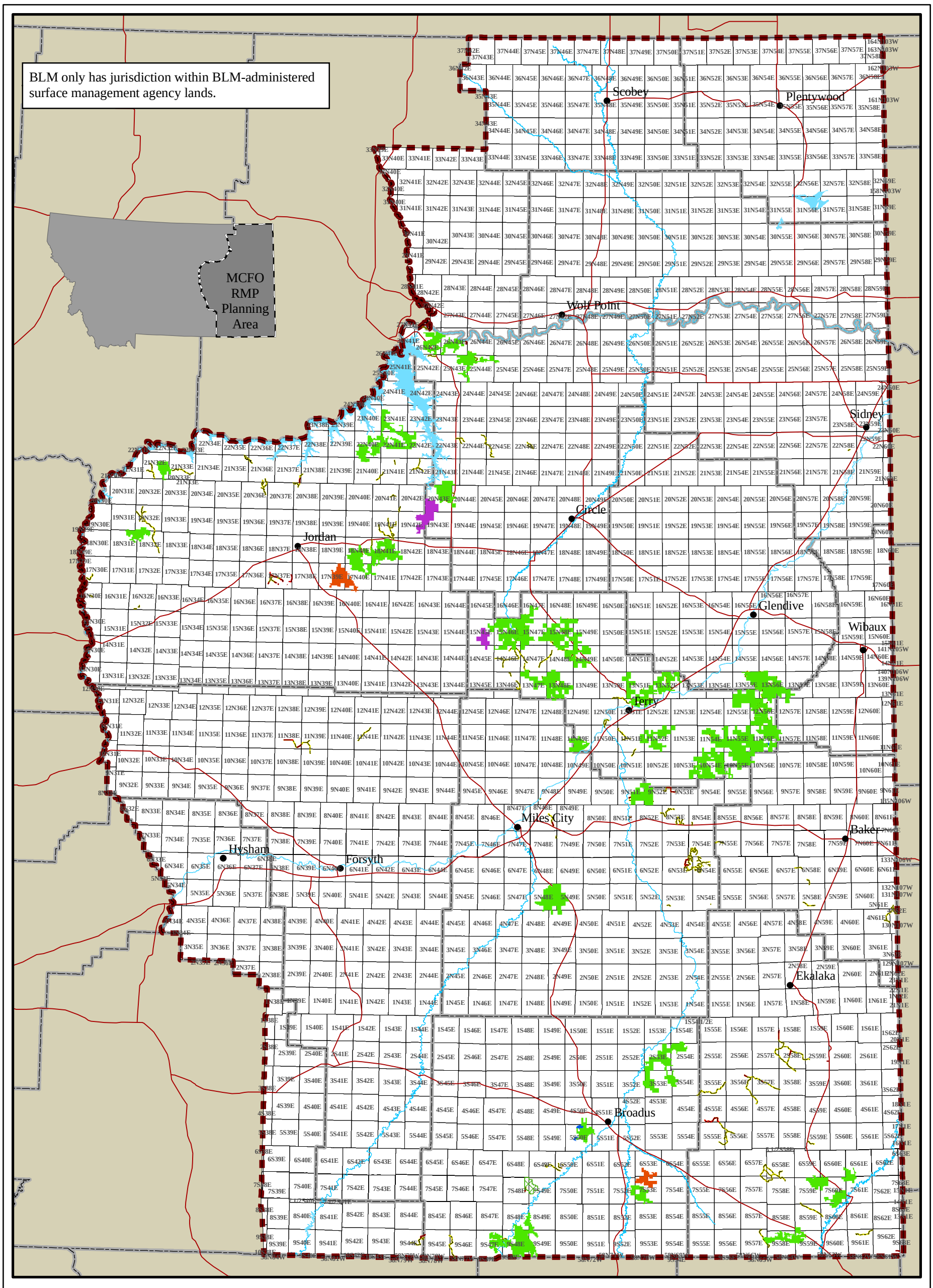
0 5 10 20 30 Miles

Water
Waterways
Counties
Contiguous BLM-admin Lands 5,000 acres and above
No Public Access
No Access with Wildlife Concerns
Public Access
Public Access and Easement

Easements
Pipeline
Access through Easement
Field Office Boundary
MCFO FAMS Roads
County Seats
Major Rds
Township

Contiguous BLM-administered Lands 5,000 acres and above

Map 64: Contiguous BLM-administered Lands 5,000 acres and above



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

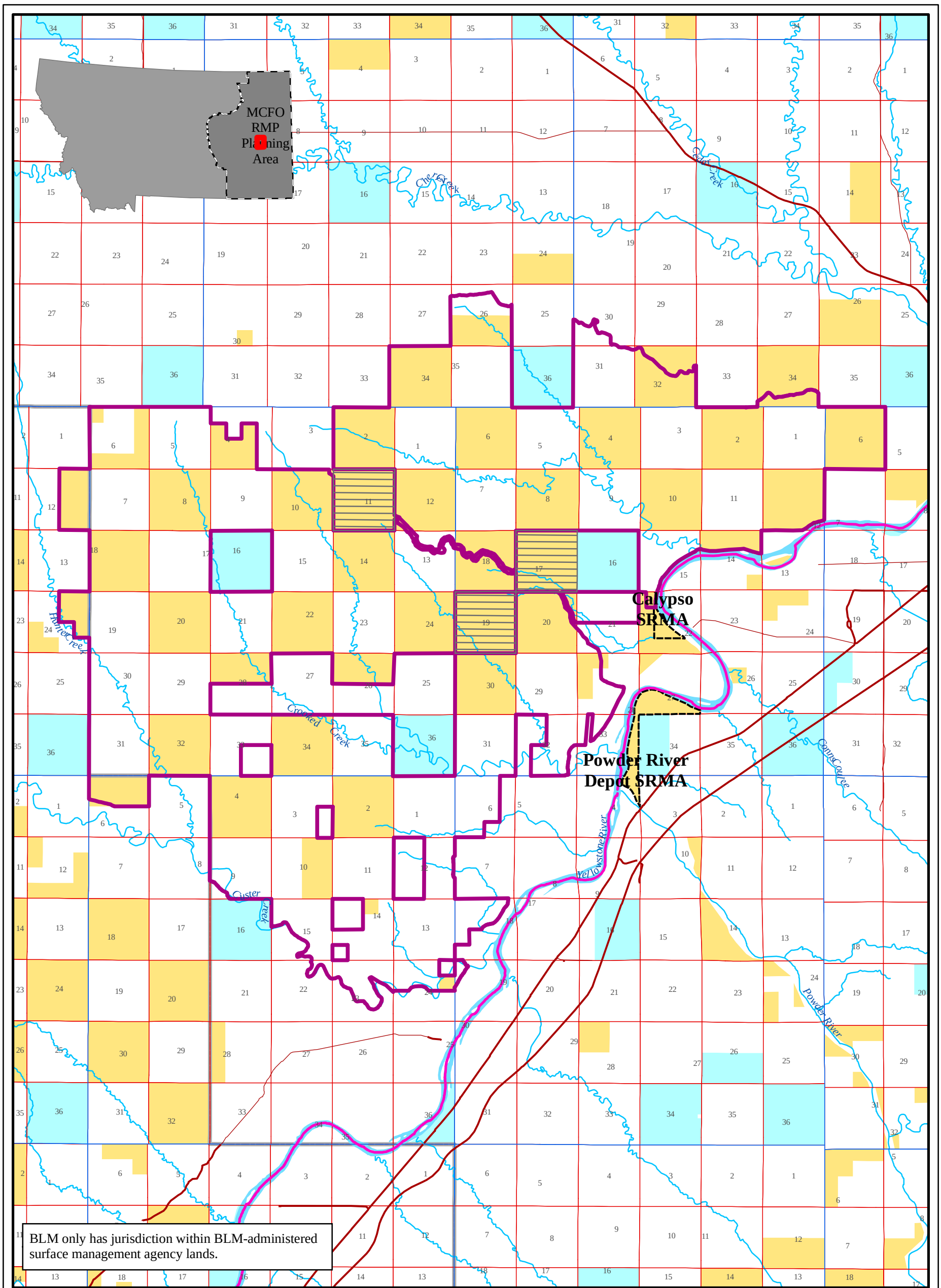
0 5 10 20 30 Miles

Wilderness Inventory 2011
- No Public Access
- No Access with Wildlife Concerns
- Public Access
- Public Access and Easement
- Field Office Boundary
- Water
- Waterways

Easements
- Pipeline
- Access through Easement
- MCFO FAMS Roads
- County Seats
- Major Rds
- Counties
- Township

2011 Wilderness Inventory Units

Map 65: 2011 Wilderness Inventory Units



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MILES CITY FIELD OFFICE

This map is intended for display purposes. No warranty is made by the BLM for the use of this data in purpose not intended by the BLM.

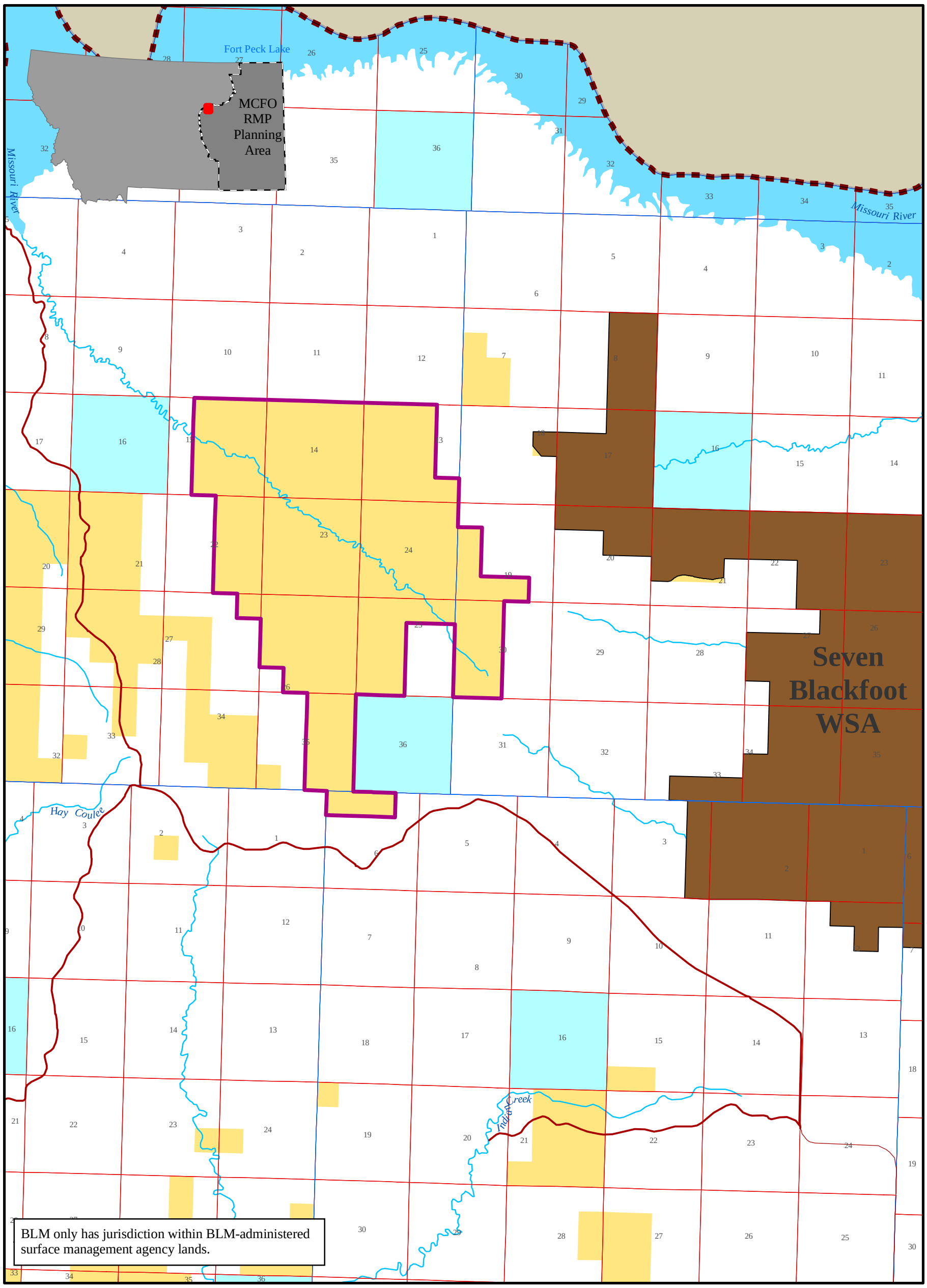
Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 0.5 1 2 Miles

- Lands with Wilderness Characteristics
- Terry Badlands Wilderness Study Area
- Lewis and Clark National Historic Trail
- SRMA Boundary
- SRMA boundary
- Field Office Boundary
- Major Rds
- Minor Rds
- Townships
- Sections
- County Seats
- Water
- Waterways
- Counties
- BIA
- BLM-admin
- Private
- State

Lands with Wilderness Characteristics - Terry Badlands

Map 66: *Lands with Wilderness Characteristics* - Terry Badlands



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Projected Coordinate System: NAD 1983 Albers
Geographic Coordinate System: GCS North American 1983
Datum: North American 1983

0 0.5 1 2 Miles

Devil's Creek Common
Field Office Boundary
Major Rds
Minor Rds
Townships
Sections
Wilderness Study Areas
County Seats
Water
Waterways
Counties
BIA
BLM-admin
Private
State

Lands with Wilderness Characteristics - Devil's Creek Common

Map 67: *Lands with Wilderness Characteristics* - Devil's Creek Common