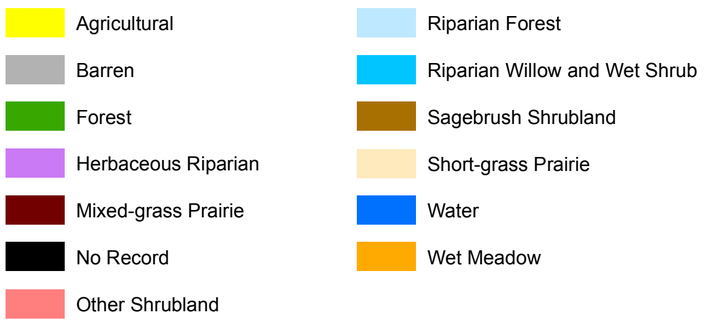
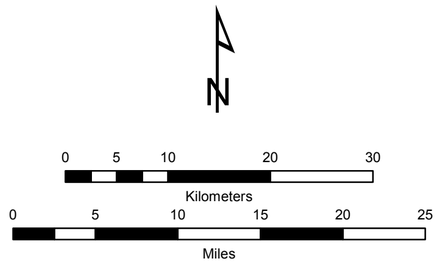
Map 19
Biological Resources
Vegetation in the Planning Area
All Alternatives



Source: Wyoming Game and Fish Department, 2005.



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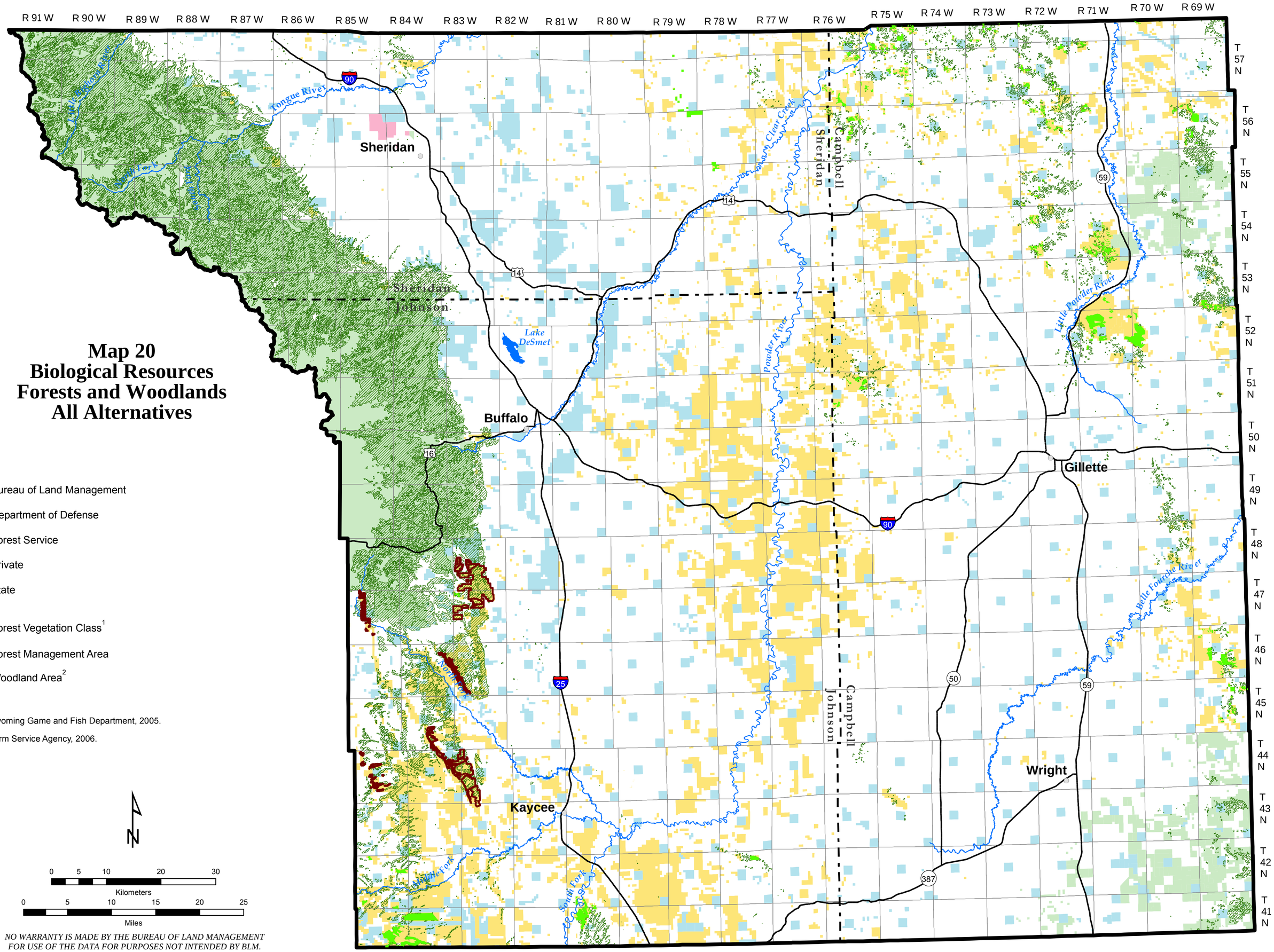
Map 20
Biological Resources
Forests and Woodlands
All Alternatives



- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Forest Vegetation Class[1]
- Forest Management Area
- Woodland Area[2]

[1]Source: Wyoming Game and Fish Department, 2005.

[2]Source: Farm Service Agency, 2006.

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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Map 21
Biological Resources
Invasive Species Potential
All Alternatives

- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Dalmation toadflax
- Diffuse knapweed
- Henbane
- Leafy spurge
- Russian knapweed
- Scotch thistle
- Skeleton leaf bursage
- Spotted knapweed
- Whitetop

N

0 5 10 20 30
Kilometers
0 5 10 15 20 25
Miles

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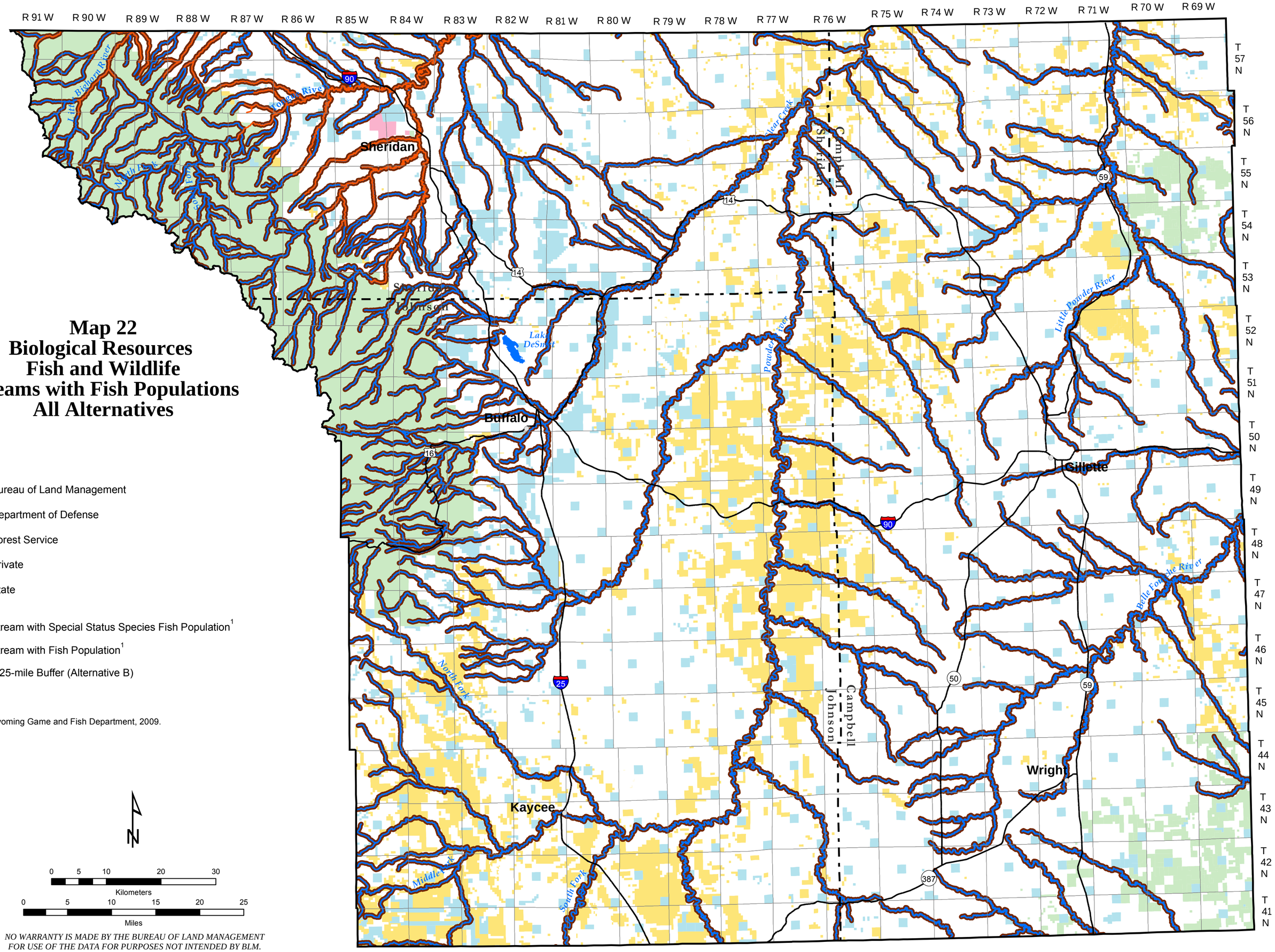
R 91 W R 90 W R 89 W R 88 W R 87 W R 86 W R 85 W R 84 W R 83 W R 82 W R 81 W R 80 W R 79 W R 78 W R 77 W R 76 W R 75 W R 74 W R 73 W R 72 W R 71 W R 70 W R 69 W

T 57 N T 56 N T 55 N T 54 N T 53 N T 52 N T 51 N T 50 N T 49 N T 48 N T 47 N T 46 N T 45 N T 44 N T 43 N T 42 N T 41 N

Little Bighorn River
Tongue River
North Fork
South Fork
Sheridan
Sheridan
Johnson
Lake DeSmet
Clear Creek
Powder River
Campbell
Sheridan
Little Powder River
Buffalo
Gillette
Belle Fourche River
Kaycee
Johnson
Campbell
Wright
Middle Fork
South Fork
North Fork

90 14 16 25 59 50 387



Map 22
Biological Resources
Fish and Wildlife
Streams with Fish Populations
All Alternatives

Bureau of Land Management

Department of Defense

Forest Service

Private

State

Stream with Special Status Species Fish Population[1]

Stream with Fish Population[1]

0.25-mile Buffer (Alternative B)

[1]Source: Wyoming Game and Fish Department, 2009.

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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Map 23
Biological Resources
Fish and Wildlife
Elk Seasonal Ranges and
Big Game Migration Corridors
All Alternatives

- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Elk Crucial Winter Range
- Elk Calving Range[1]
- Big Game Migration Corridor[1]
- High Priority Big Game Migration Corridor[1]
- Wyoming Game and Fish Department Habitat Management Area

[1]Sources: Wyoming Game and Fish Department, 2002 and 2006.

N

0 5 10 20 30
Kilometers
0 5 10 15 20 25
Miles

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R 91 W R 90 W R 89 W R 88 W R 87 W R 86 W R 85 W R 84 W R 83 W R 82 W R 81 W R 80 W R 79 W R 78 W R 77 W R 76 W R 75 W R 74 W R 73 W R 72 W R 71 W R 70 W R 69 W

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Little Bighorn River
Tongue River
North Fork
South Fork
Sheridan
Sheridan
Johnson
Lake DeSmet
Buffalo
Clear Creek
Sheridan
Campbell
Powder River
Little Powder River
Gillette
Belle Fourche River
Middle Fork
Kaycee
South Fork
Johnson
Campbell
Wright

Map 24
Biological Resources
Fish and Wildlife
Sharp-tailed Grouse Leks
Alternatives A, B, and D

Bureau of Land Management

Department of Defense

Forest Service

Private

State

Sharp-tailed Grouse Lek Buffers

750-foot Buffer (Alternatives A and B)

0.64-mile Buffer (Alternatives A and B)

0.25-mile Buffer (Alternative D)

2-mile Buffer (Alternative D)

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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R 91 W R 90 W R 89 W R 88 W R 87 W R 86 W R 85 W R 84 W R 83 W R 82 W R 81 W R 80 W R 79 W R 78 W R 77 W R 76 W R 75 W R 74 W R 73 W R 72 W R 71 W R 70 W R 69 W

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Little Bighorn River
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North Fork
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Sheridan
Sheridan
Johnson
Lake DeSmet
Buffalo
Clear Creek
Powder River
Campbell
Sheridan
Little Powder River
Gillette
Belle Fourche River
North Fork
Middle Fork
South Fork
Campbell
Johnson
Kaycee
Wright
90
14
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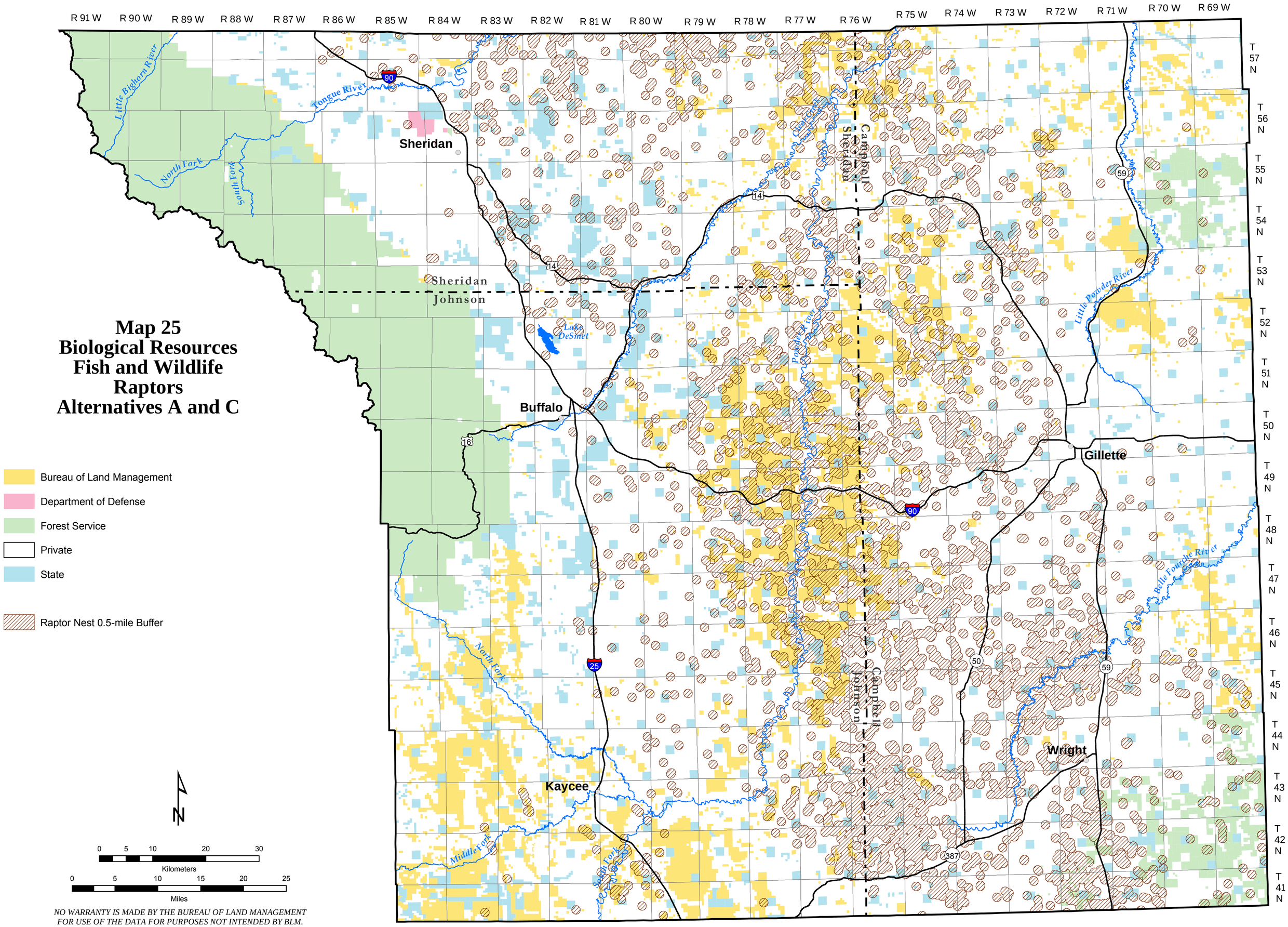
387

Map 25
Biological Resources
Fish and Wildlife
Raptors
Alternatives A and C



- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Raptor Nest 0.5-mile Buffer

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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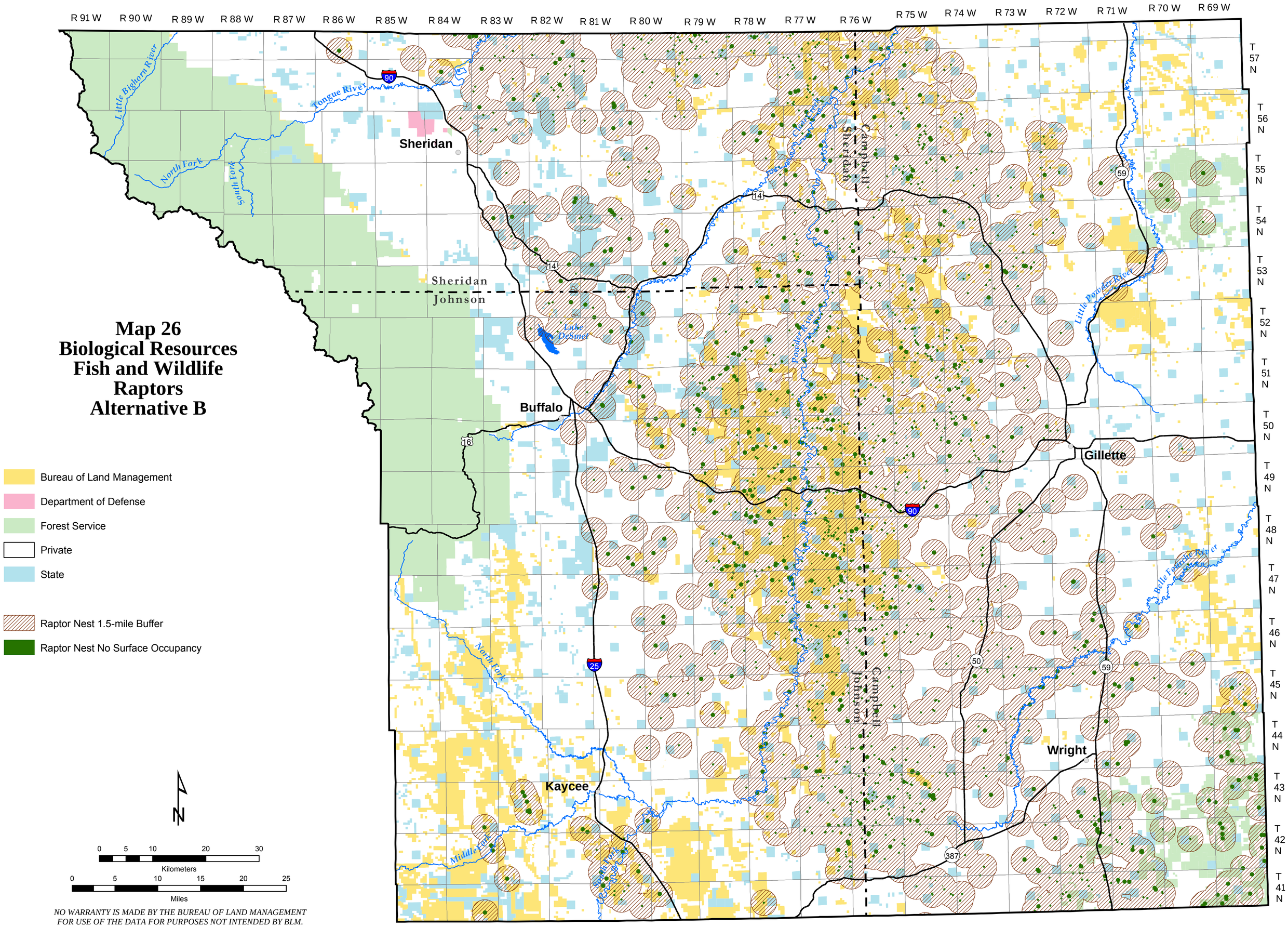
Map 26
Biological Resources
Fish and Wildlife
Raptors
Alternative B



- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

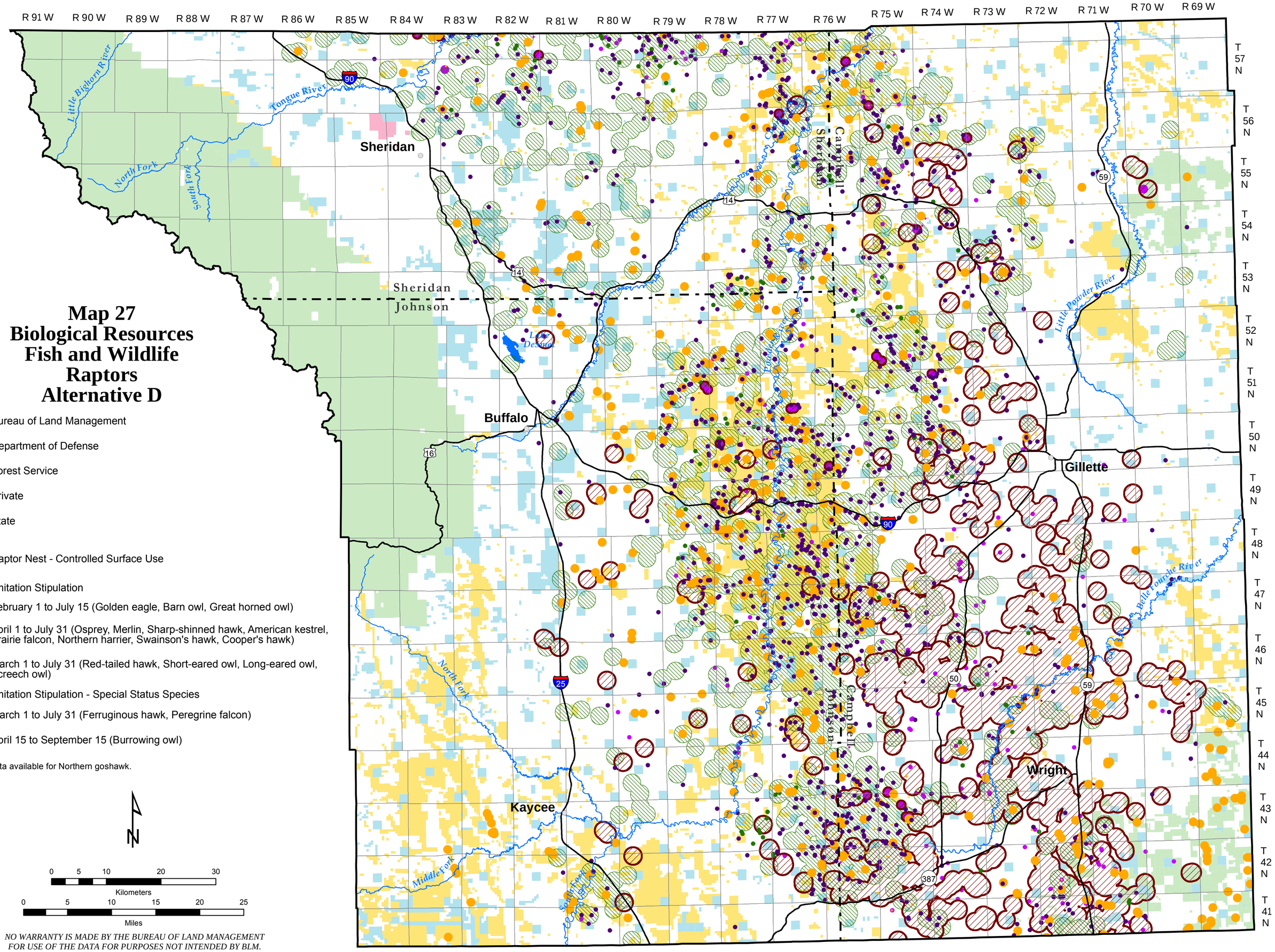
- Raptor Nest 1.5-mile Buffer
- Raptor Nest No Surface Occupancy

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

NO WARRANTY IS MADE BY THE BUREAU OF LAND MANAGEMENT FOR USE OF THE DATA FOR PURPOSES NOT INTENDED BY BLM.



Map 27
Biological Resources
Fish and Wildlife
Raptors
Alternative D

Bureau of Land Management

Department of Defense

Forest Service

Private

State

Raptor Nest - Controlled Surface Use

Timing Limitation Stipulation

February 1 to July 15 (Golden eagle, Barn owl, Great horned owl)

April 1 to July 31 (Osprey, Merlin, Sharp-shinned hawk, American kestrel, Prairie falcon, Northern harrier, Swainson's hawk, Cooper's hawk)

March 1 to July 31 (Red-tailed hawk, Short-eared owl, Long-eared owl, Screech owl)

Timing Limitation Stipulation - Special Status Species

March 1 to July 31 (Ferruginous hawk, Peregrine falcon)

April 15 to September 15 (Burrowing owl)

Note: No data available for Northern goshawk.

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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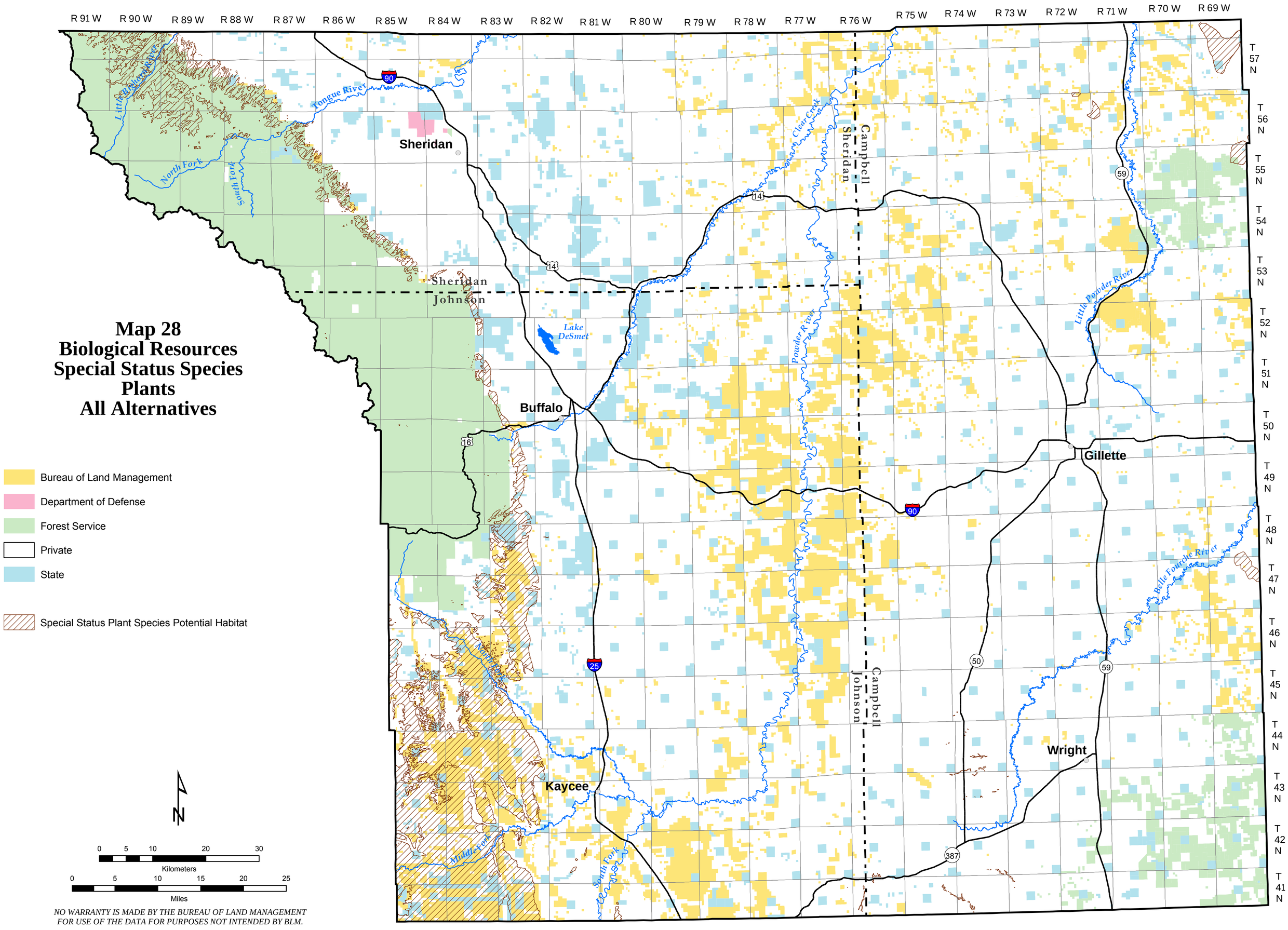
Map 28
Biological Resources
Special Status Species
Plants
All Alternatives



- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Special Status Plant Species Potential Habitat

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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Map 29
Biological Resources
Special Status Species
Prairie Dog Colonies
All Alternatives

- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Prairie Dog Colony

N

0 5 10 20 30
Kilometers
0 5 10 15 20 25
Miles

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Buffalo Draft Resource Management Plan and Environmental Impact Statement – June 2013

R 91 W R 90 W R 89 W R 88 W R 87 W R 86 W R 85 W R 84 W R 83 W R 82 W R 81 W R 80 W R 79 W R 78 W R 77 W R 76 W R 75 W R 74 W R 73 W R 72 W R 71 W R 70 W R 69 W

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Campbell
Sheridan
Sheridan
Johnson
Lake DeSmet
Powder River
Little Powder River
Buffalo
Gillette
Belle Fourche River
North Fork
Middle Fork
South Fork
Kaycee
Johnson
Campbell
Wright

Map 30
Biological Resources
Special Status Species
Greater Sage-Grouse
Alternative A

Bureau of Land Management

Department of Defense

Forest Service

Private

State

Greater Sage-Grouse Lek - 0.25-mile Buffer

Greater Sage-Grouse Lek - 2-mile Buffer

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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Little Bighorn River
Tongue River
North Fork
South Fork
Sheridan
Clear Creek
Campbell
Sheridan
Little Powder River
Sheridan
Johnson
Lake De Smet
Powder River
Buffalo
Gillette
Little Powder River
North Fork
Campbell
Johnson
Kaycee
Wright
Middle Fork
South Fork
90
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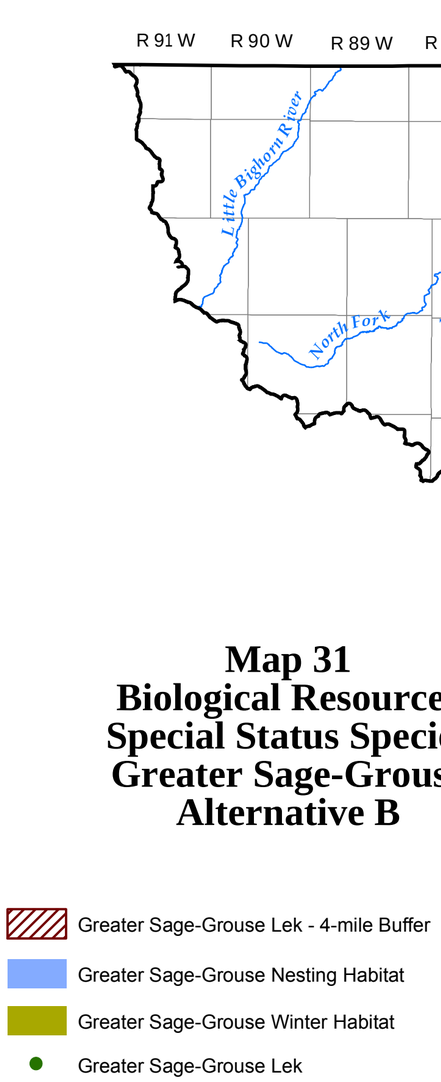
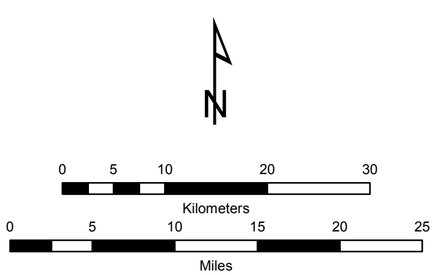
Map 31
Biological Resources
Special Status Species
Greater Sage-Grouse
Alternative B



Source: Montana Natural Heritage Program,
University of Montana, 2011.



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Map 32
Biological Resources
Special Status Species
Greater Sage-Grouse
Alternative C

Greater Sage-Grouse Lek - 0.25-mile Buffer

Greater Sage-Grouse Nesting Habitat

Source: Montana Natural Heritage Program,
University of Montana, 2011.

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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Buffalo Draft Resource Management Plan and
Environmental Impact Statement – June 2013

R 91 W R 90 W R 89 W R 88 W R 87 W R 86 W R 85 W R 84 W R 83 W R 82 W R 81 W R 80 W R 79 W R 78 W R 77 W R 76 W R 75 W R 74 W R 73 W R 72 W R 71 W R 70 W R 69 W

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Buffalo
Gillette
Belle Fourche River
North Fork
Middle Fork
South Fork
Kaycee
Johnson
Campbell
Wright
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Map 33
Biological Resources
Special Status Species
Greater Sage-Grouse
Alternative D

Greater Sage-Grouse Connectivity Corridor[1]

Greater Sage-Grouse Core Population Area[1]

Greater Sage-Grouse Nesting Habitat[2]

Greater Sage-Grouse Winter Habitat[2]

Greater Sage-Grouse Lek Buffers Inside Core Population Area and Connectivity Corridor

Greater Sage-Grouse Lek - 0.6-mile Buffer

Greater Sage-Grouse Lek Buffers Inside Connectivity Corridor

Greater Sage-Grouse Lek - 4-mile Buffer

Greater Sage-Grouse Lek Buffers Outside Core Population Area and Connectivity Corridor

Greater Sage-Grouse Lek - 0.25-mile Buffer

Greater Sage-Grouse Lek - 2-mile Buffer

[1]Source: Wyoming Governor's Implementation Team, 2011.
[2]Source: Montana Natural Heritage Program, University of Montana, 2011.

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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Buffalo Draft Resource Management Plan and Environmental Impact Statement – June 2013

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Sheridan
Sheridan
Johnson
Campbell
Sheridan
Campbell
Johnson
Buffalo
Gillette
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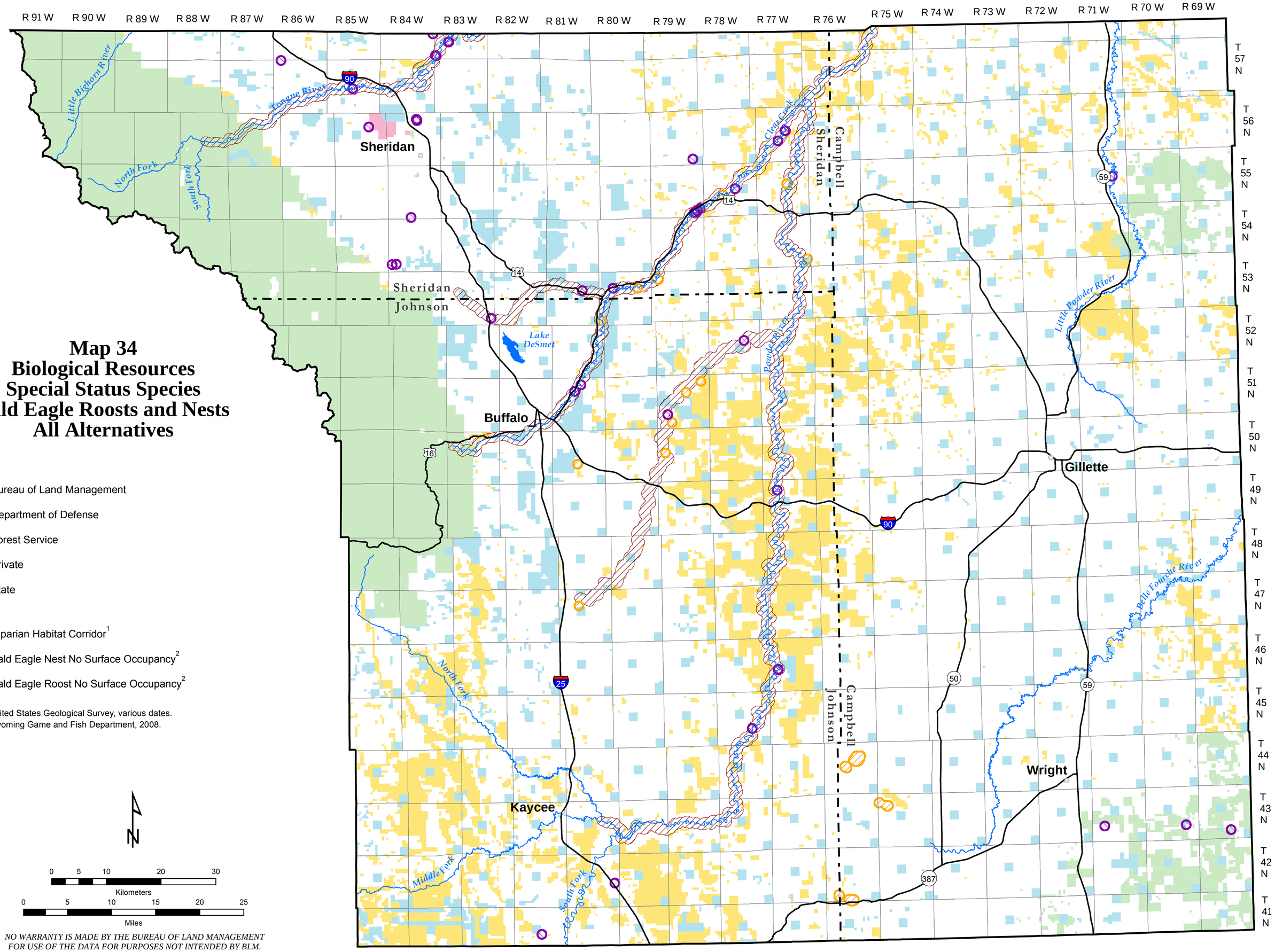

Map 34
Biological Resources
Special Status Species
Bald Eagle Roosts and Nests
All Alternatives

Bureau of Land Management

Department of Defense

Forest Service

Private

State

Riparian Habitat Corridor[1]

Bald Eagle Nest No Surface Occupancy[2]

Bald Eagle Roost No Surface Occupancy[2]

[1]Source: United States Geological Survey, various dates.
[2]Source: Wyoming Game and Fish Department, 2008.

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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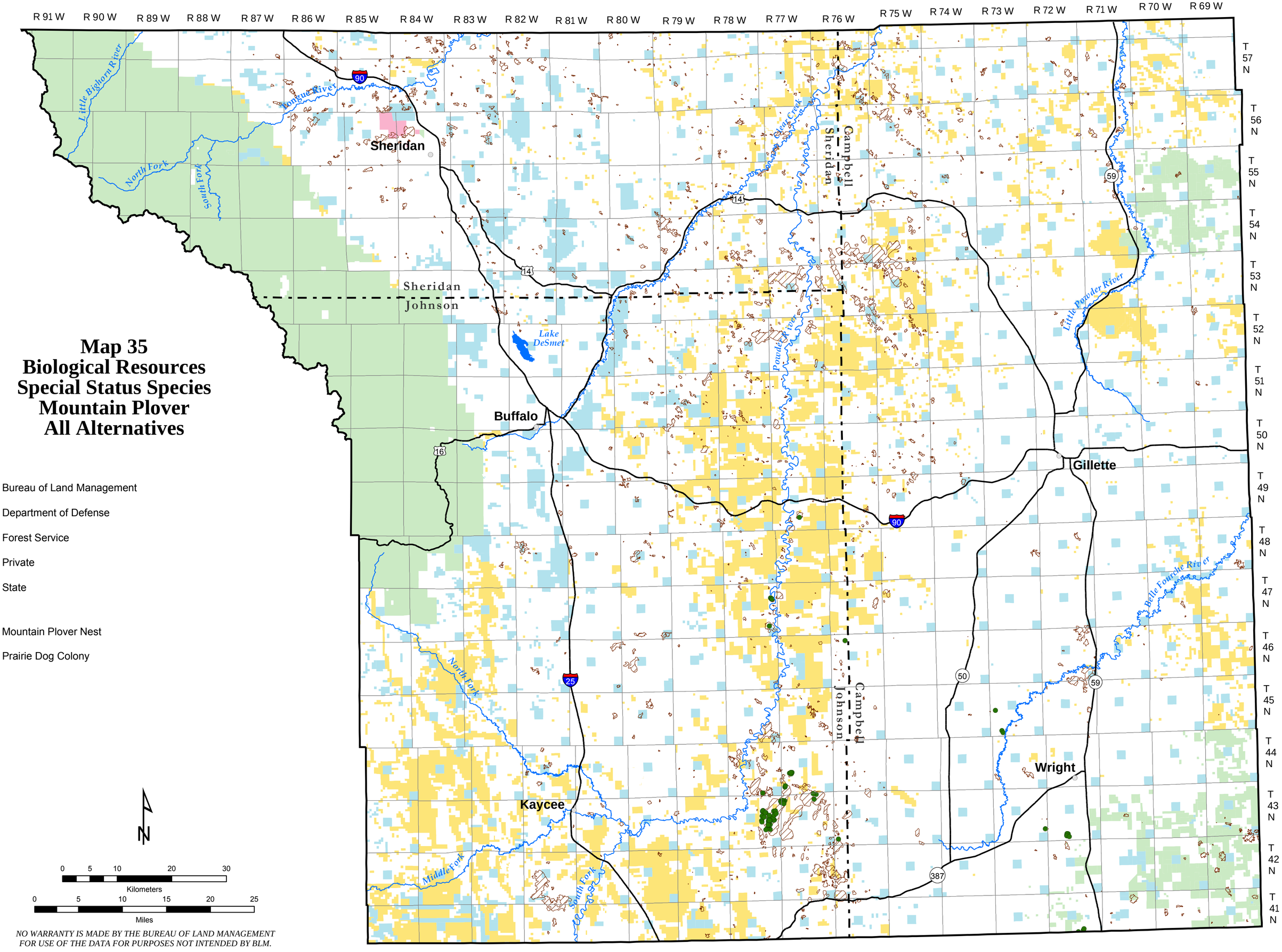
Map 35
Biological Resources
Special Status Species
Mountain Plover
All Alternatives



- Bureau of Land Management
- Department of Defense
- Forest Service
- Private
- State

- Mountain Plover Nest
- Prairie Dog Colony

N

0 5 10 20 30
Kilometers

0 5 10 15 20 25
Miles

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