



U.S. Department of the Interior
Bureau of Land Management

Volume 2a: Appendix 1. Maps
Maps 1.1a 2.41b
October 2024

Greater Sage-Grouse Rangewide Planning

Proposed Resource Management Plan Amendment and Final Environmental Impact Statement



The Bureau of Land Management's mission is to sustain the health, diversity, and productivity of public lands for the use and enjoyment of present and future generations.

Cover Photo: Steve Ting

Lower Bar Photos (left to right):

US Fish and Wildlife, Rachel Woita, James Yule

Appendix I

Maps

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Appendix I. Maps

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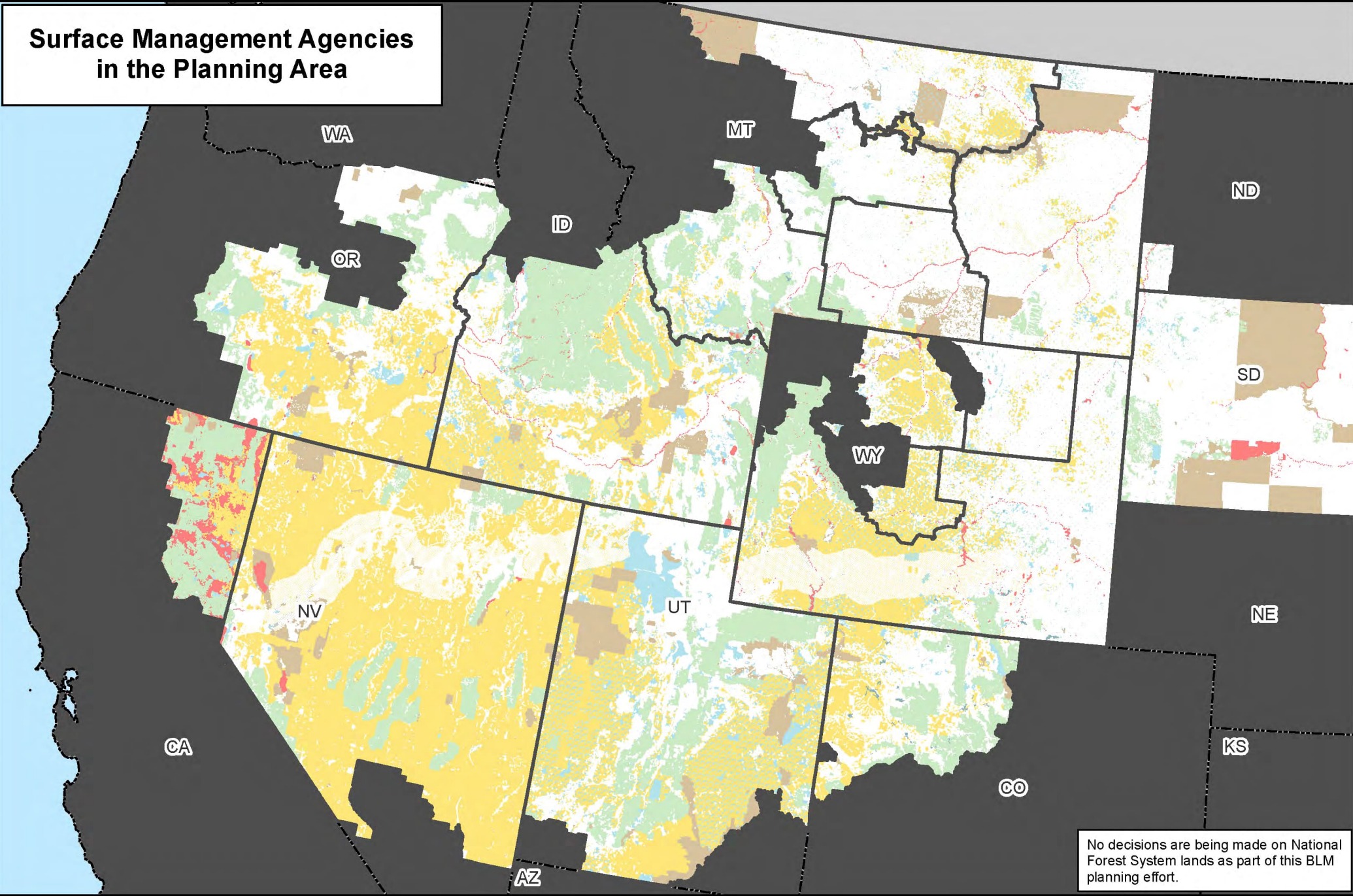
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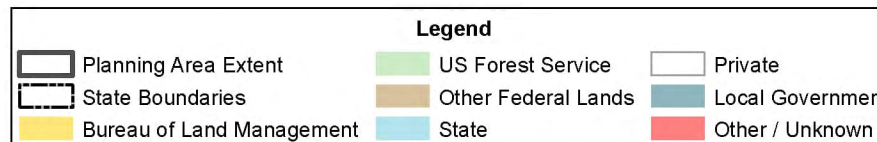
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Surface Management Agencies in the Planning Area



No decisions are being made on National Forest System lands as part of this BLM planning effort.

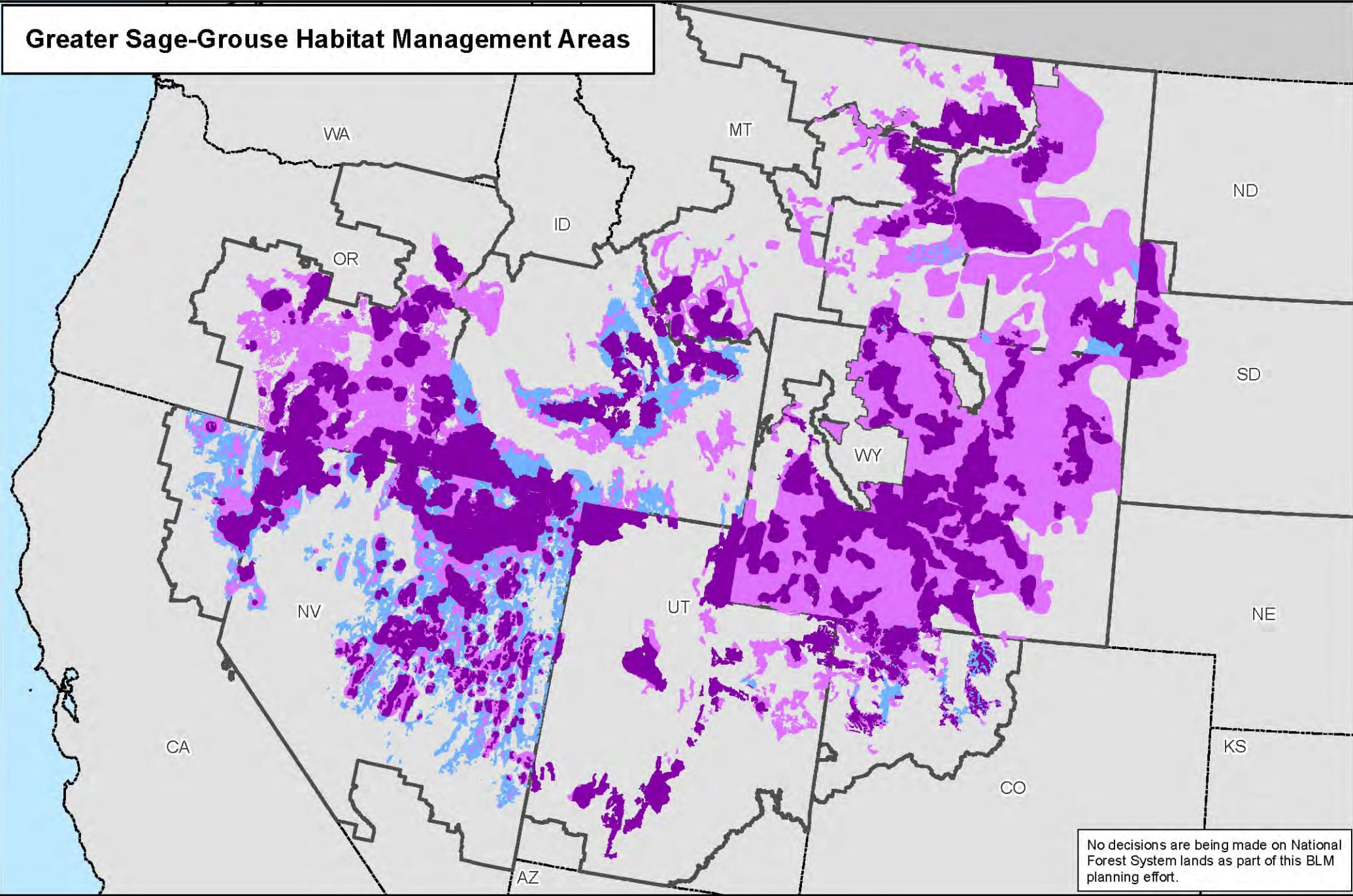
Map 1.1a



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

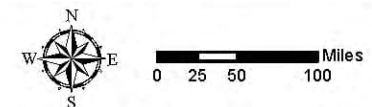


Greater Sage-Grouse Habitat Management Areas



No decisions are being made on National Forest System lands as part of this BLM planning effort.

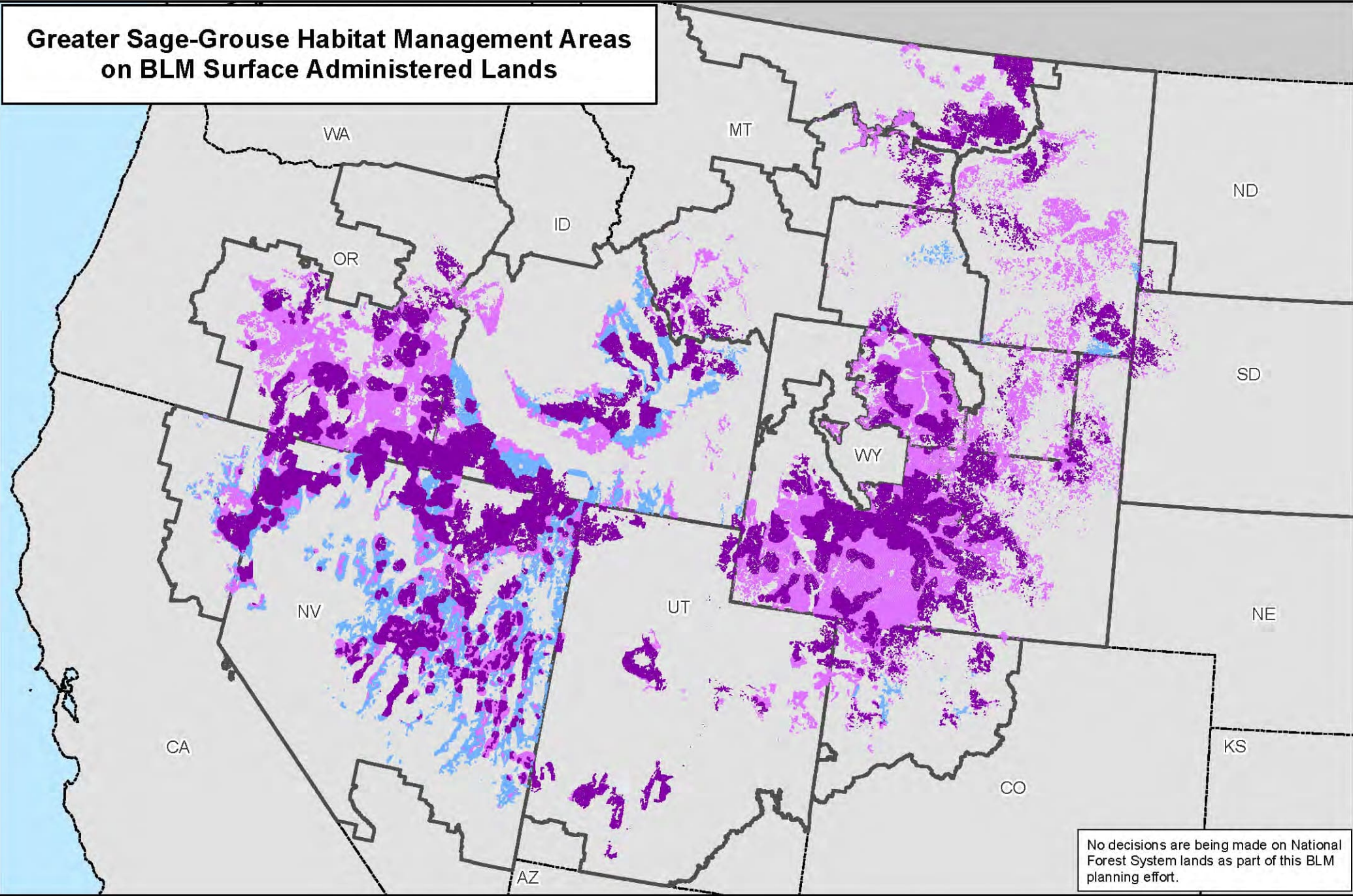
Map 1.1b



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Greater Sage-Grouse Habitat Management Areas on BLM Surface Administered Lands



No decisions are being made on National Forest System lands as part of this BLM planning effort.

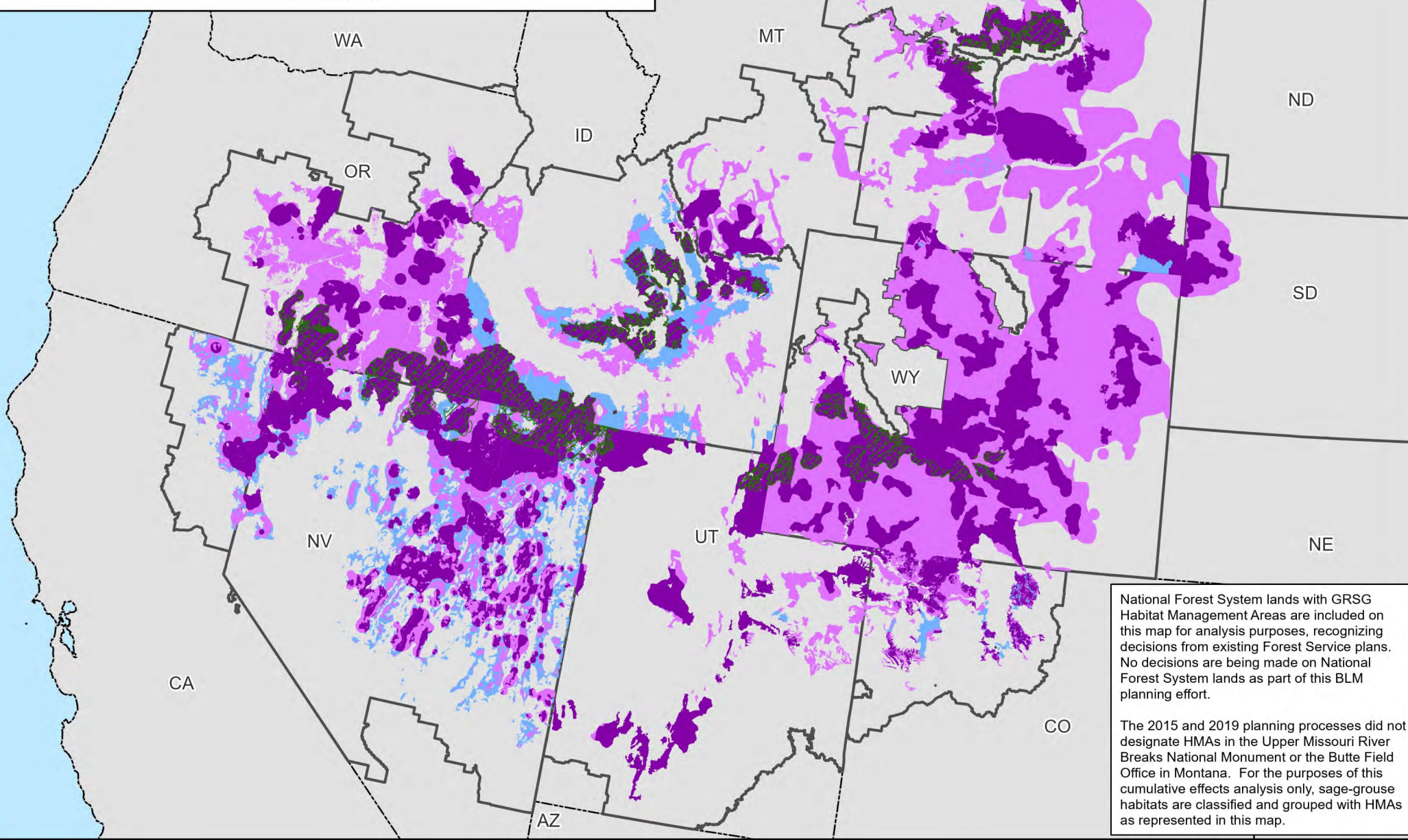
Map 1.1c



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Greater Sage-Grouse Habitat Management Areas and Sagebrush Focal Areas Alternative 1



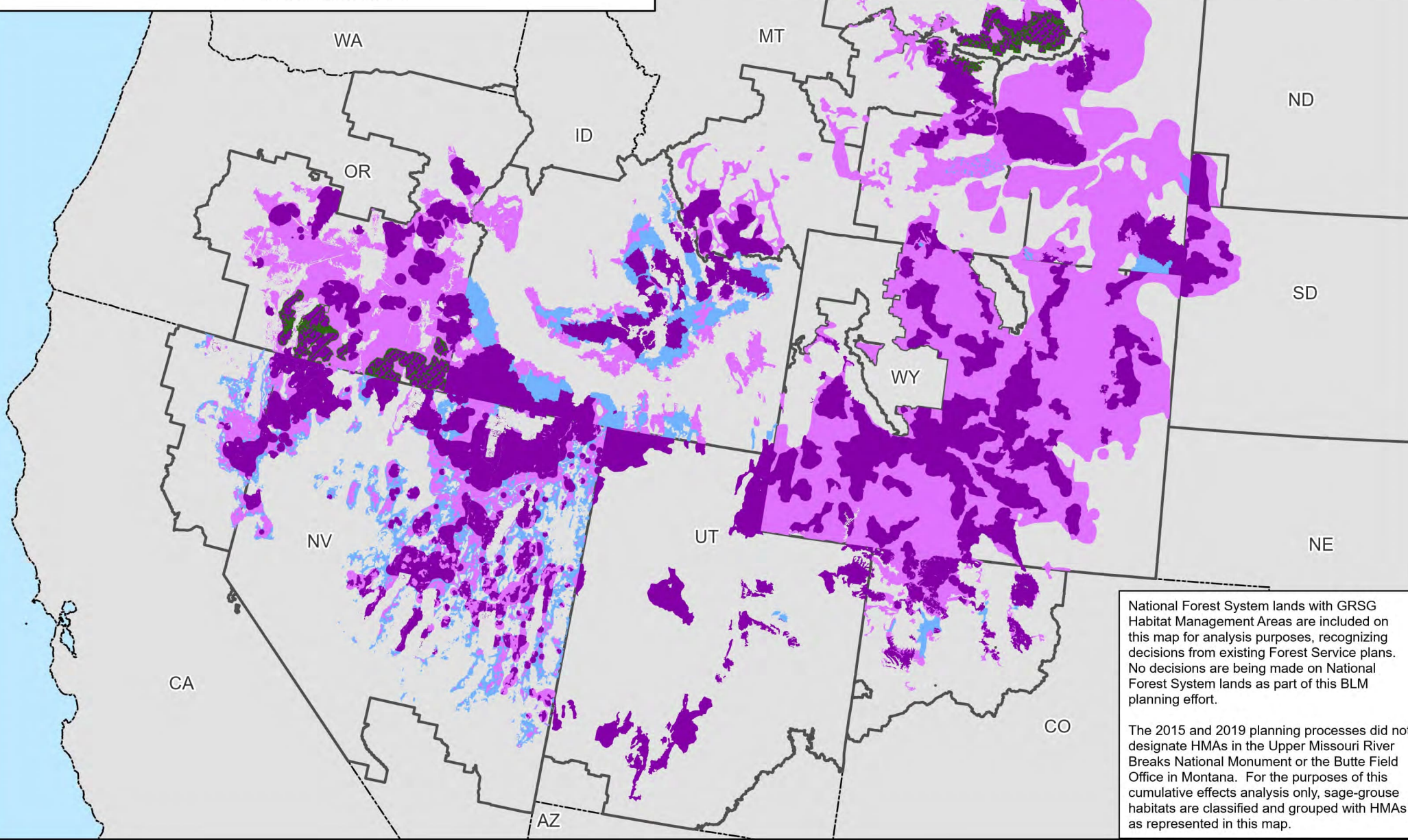
Map 2.1

Legend

- Priority Habitat Management Areas
- General Habitat Management Areas
- Other Habitat Management Areas
- Sagebrush Focal Areas
- Planning Area Extent
- State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Greater Sage-Grouse Habitat Management Areas and Sagebrush Focal Areas Alternative 2



Map 2.2

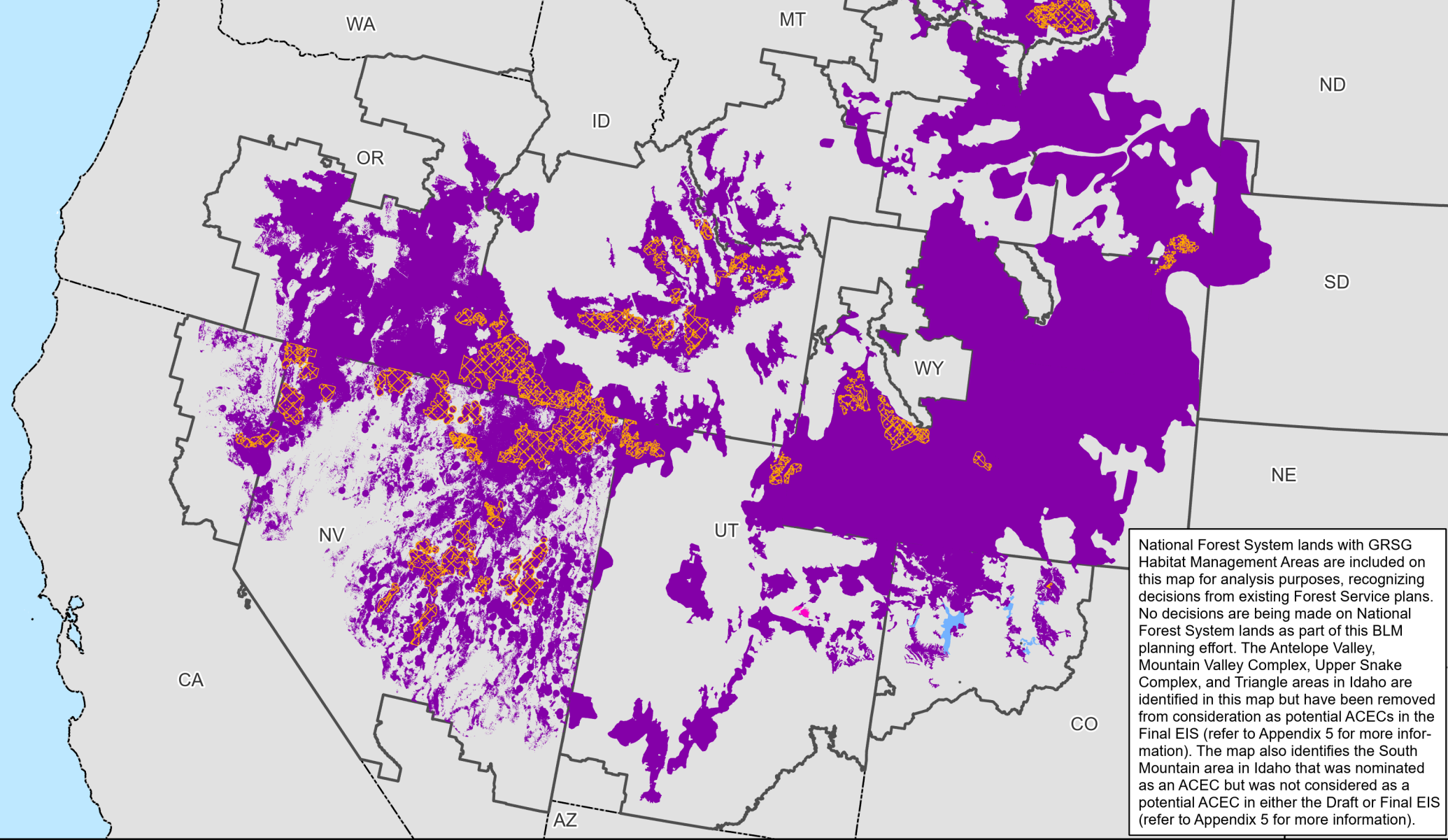
Legend

- Priority Habitat Management Areas
- General Habitat Management Areas
- Other Habitat Management Areas
- Sagebrush Focal Areas
- Planning Area Extent
- State Boundaries

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Greater Sage-Grouse Habitat Management Areas and Areas of Critical Environmental Concern (ACECs) Alternative 3



Map 2.3



Priority Habitat Management Areas

Anthro Mtn Habitat Management Areas

Connectivity Habitat Management Areas

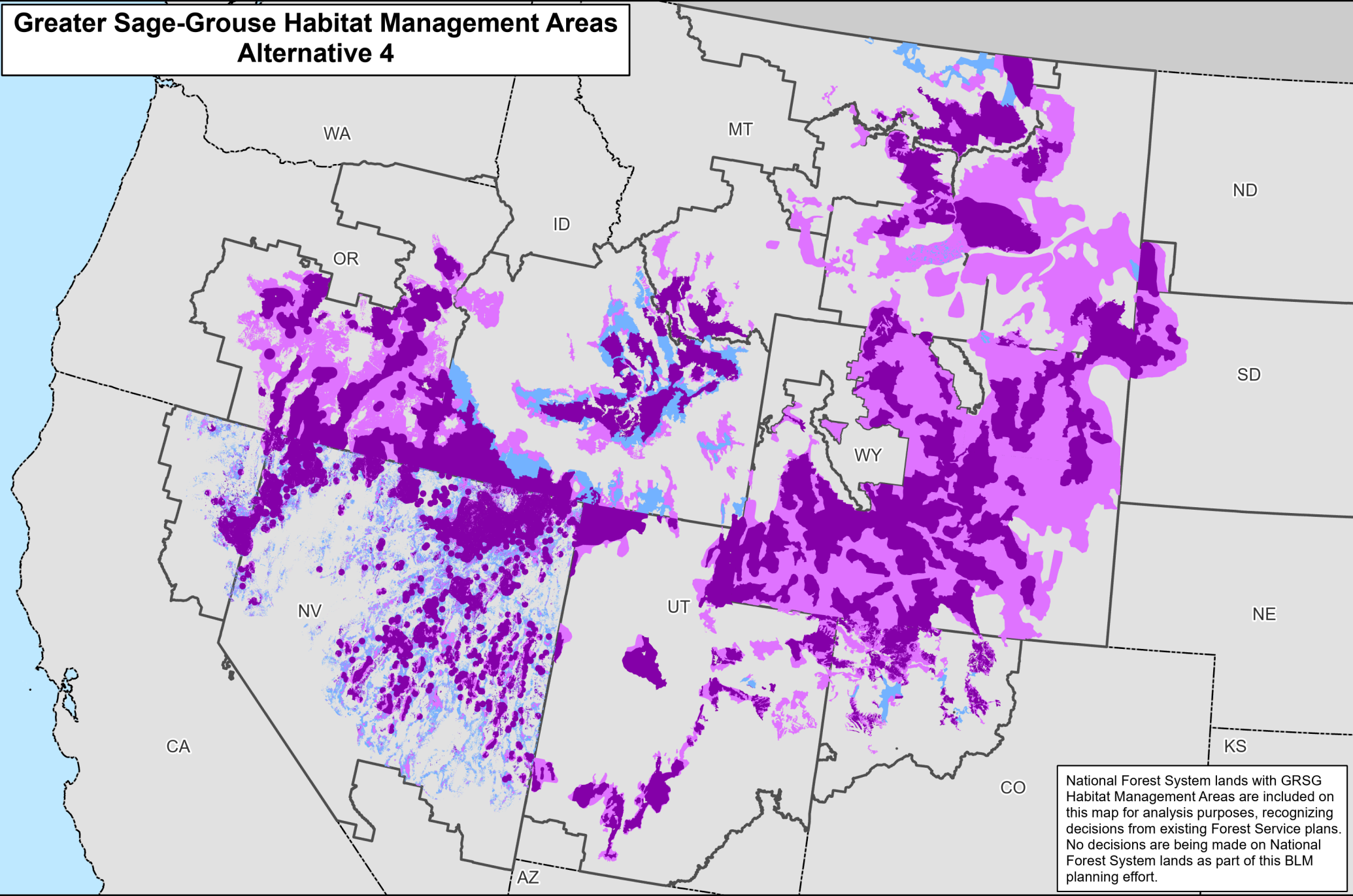
Areas of Critical Environmental Concern

Planning Area Extent

State Boundaries

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Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.4

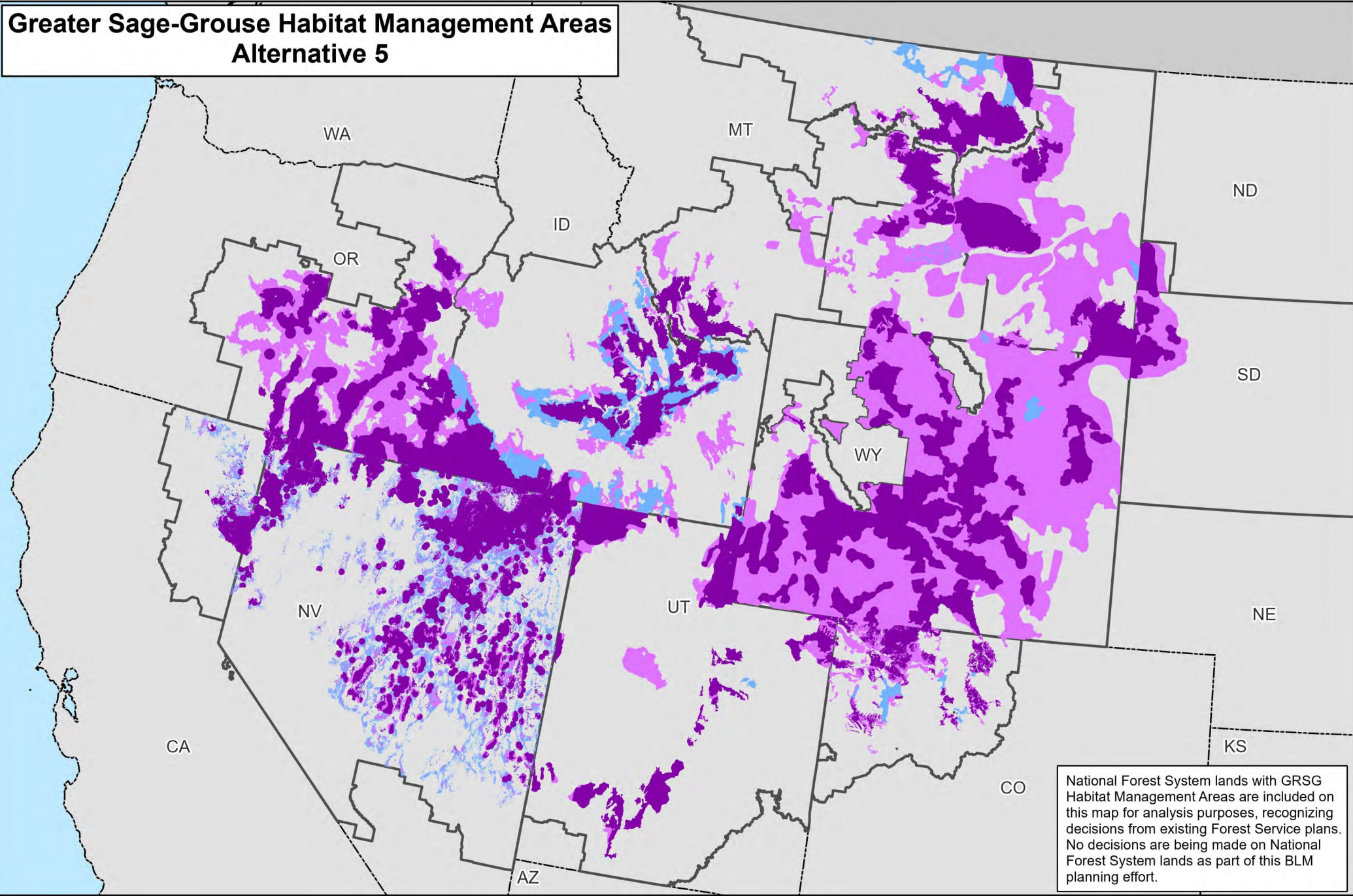
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- Priority Habitat Management Areas
- General Habitat Management Areas
- Other Habitat Management Areas
- Planning Area Extent
- State Boundaries

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Greater Sage-Grouse Habitat Management Areas Alternative 5



Map 2.5

Legend

Priority Habitat Management Areas

General Habitat Management Areas

Other Habitat Management Areas

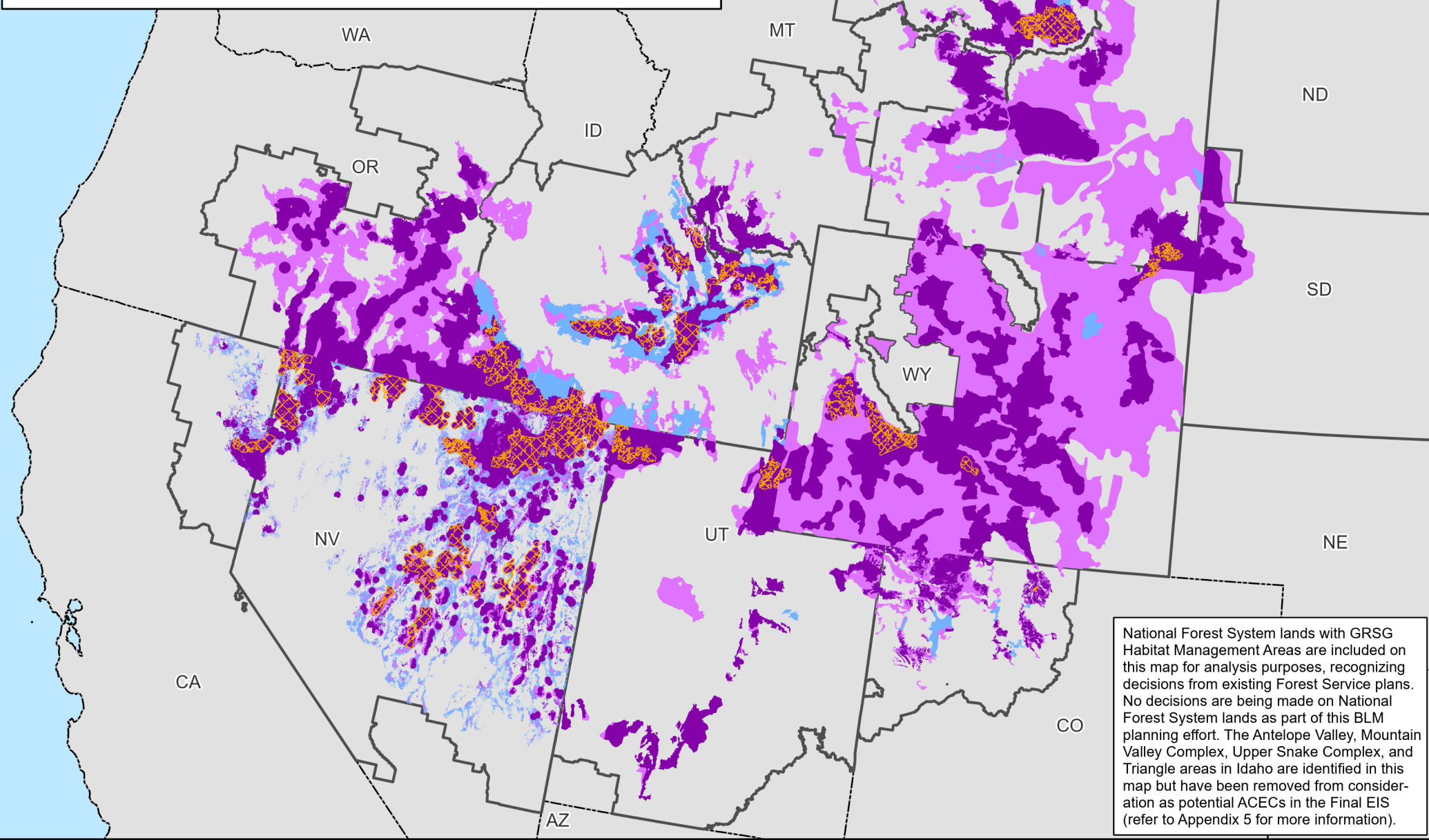
Planning Area Extent

State Boundaries

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Greater Sage-Grouse Habitat Management Areas and Areas of Critical Environmental Concern (ACECs) Alternative 6



Map 2.6

Priority Habitat Management Areas

General Habitat Management Areas

Other Habitat Management Areas

Areas of Critical Environmental Concern

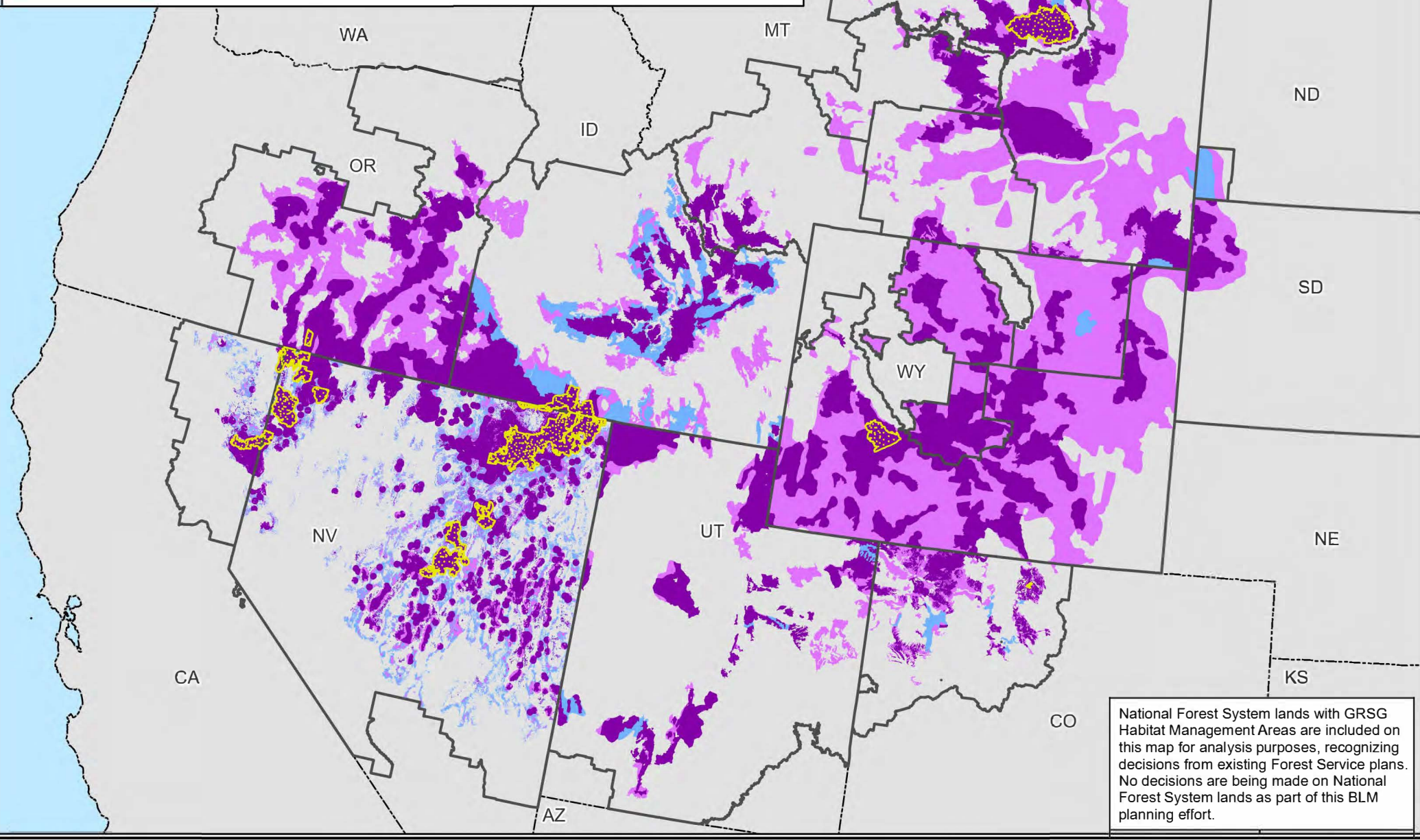
Planning Area Extent

State Boundaries

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Greater Sage-Grouse Habitat Management Areas and Priority Habitat Management Areas with Limited Exceptions Proposed RMP Amendment



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.7

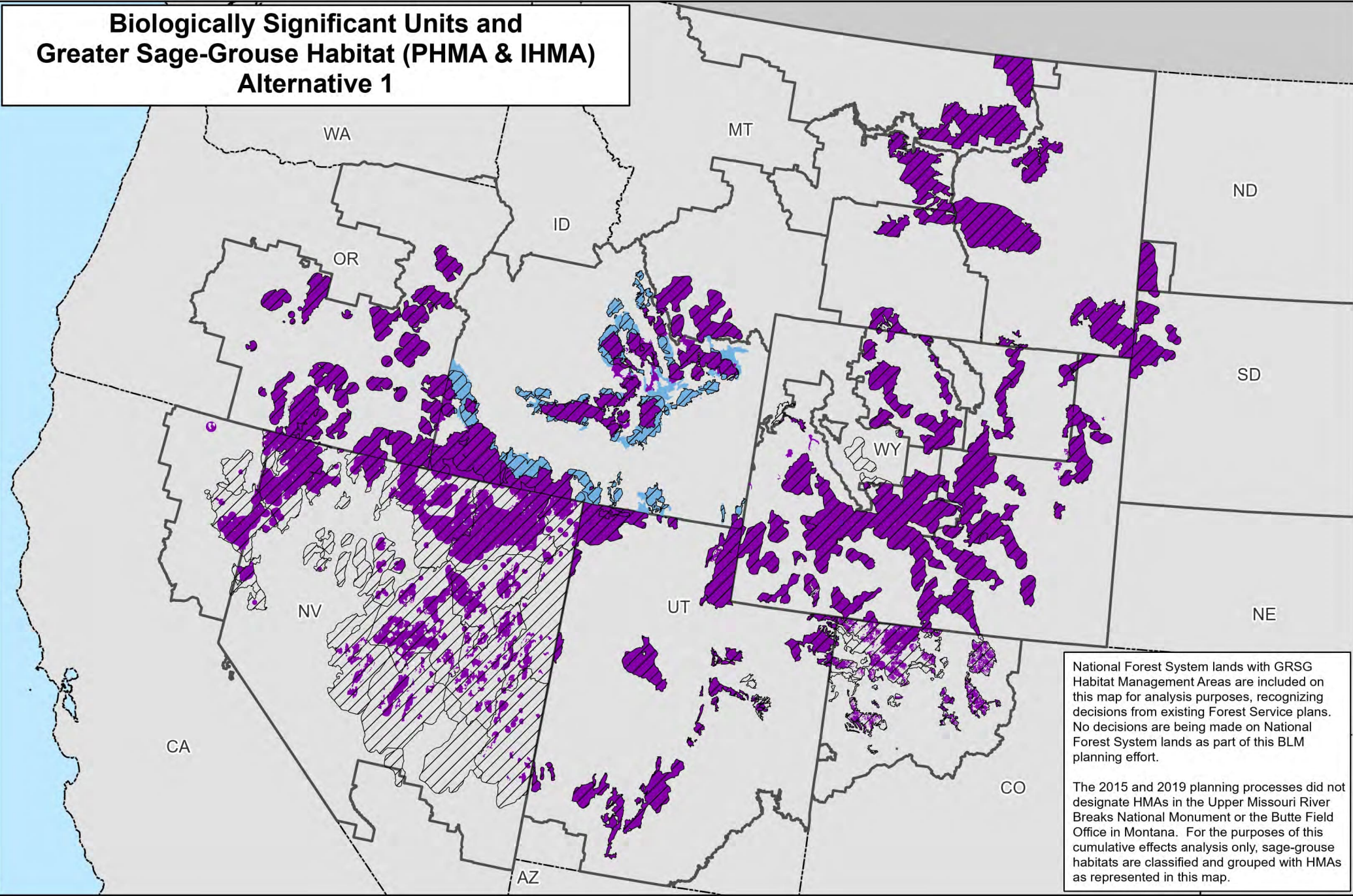
Legend

- Priority Habitat Management Areas
- General Habitat Management Areas
- Other Habitat Management Areas
- Priority Habitat Management Areas with Limited Exceptions
- Planning Area Extent
- State Boundaries

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Biologically Significant Units and Greater Sage-Grouse Habitat (PHMA & IHMA) Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.8

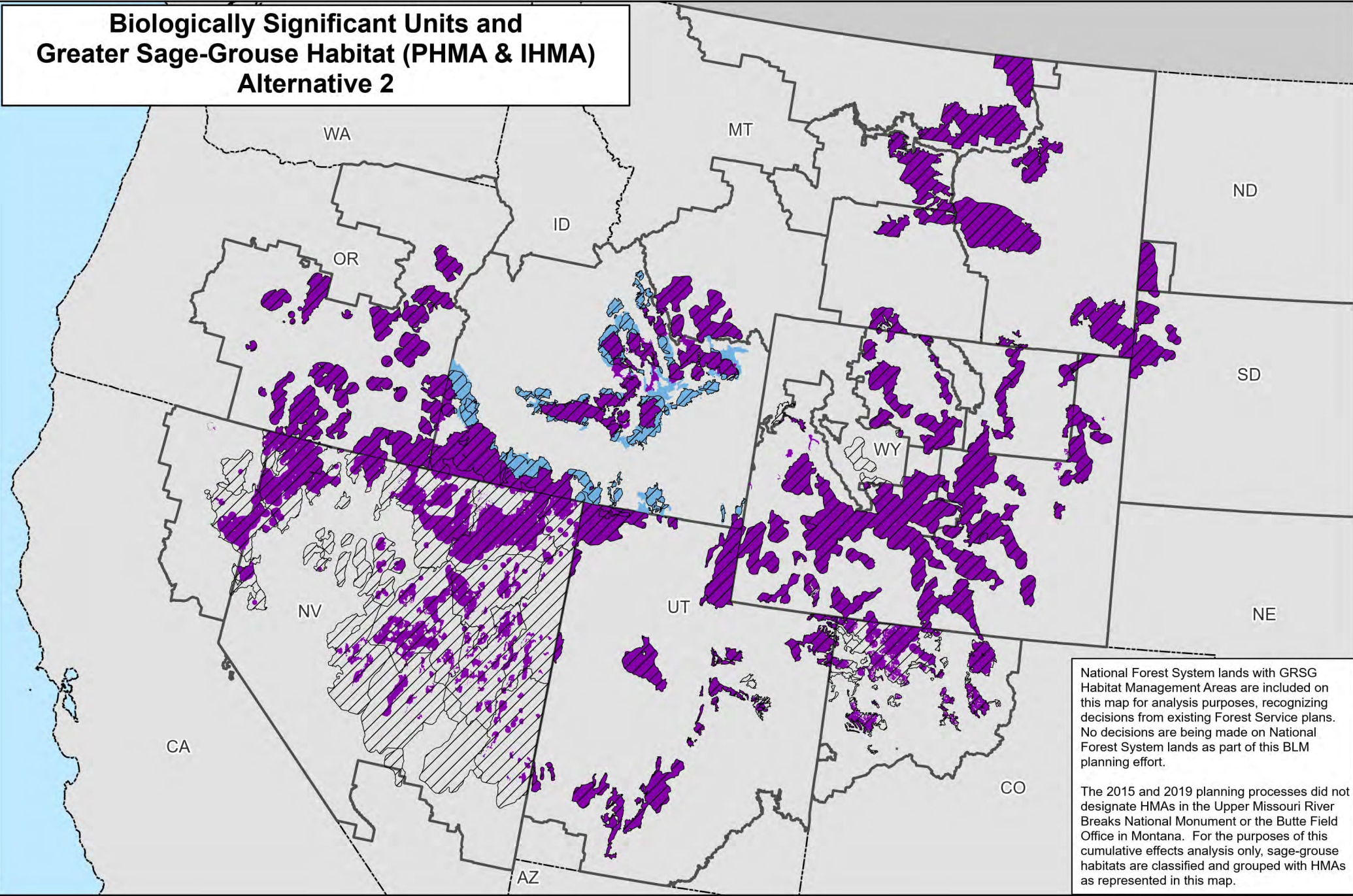
Biologically Significant Units
 Priority Habitat Management Areas
 Important Habitat Management Areas

Planning Area Extent
 State Boundaries

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Biologically Significant Units and Greater Sage-Grouse Habitat (PHMA & IHMA) Alternative 2



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Map 2.9

Legend

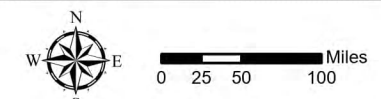
 Biologically Significant Units

 Priority Habitat Management Areas Alt2

 Important Habitat Management Areas Alt2

 Planning Area Extent

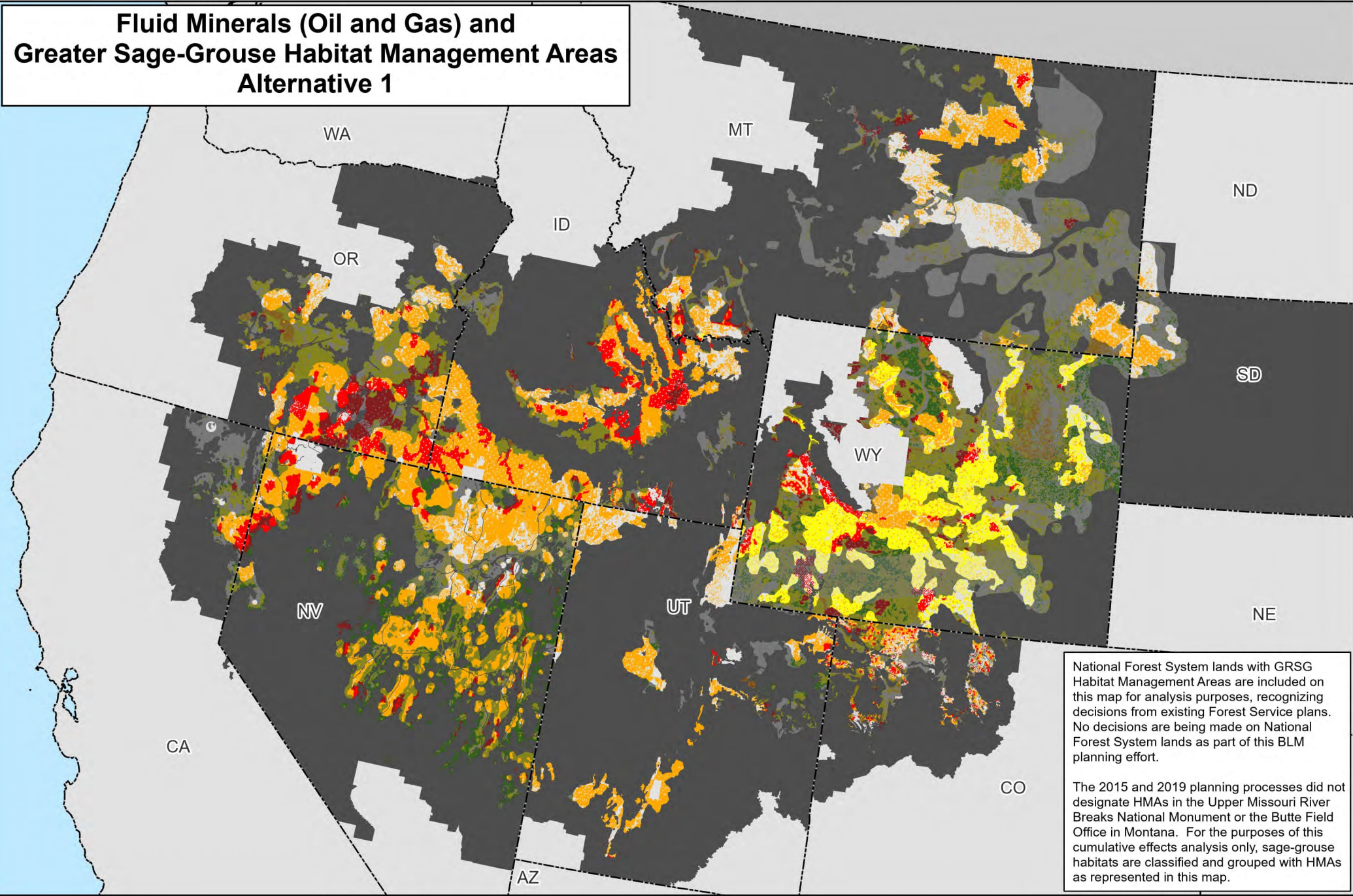
 State Boundaries



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Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.10a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Oil and Gas - Closed

Oil and Gas - Open Major Stipulations (NSO)

Oil and Gas - Open Moderate Stipulations (CSU and/or TL)

Oil and Gas - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

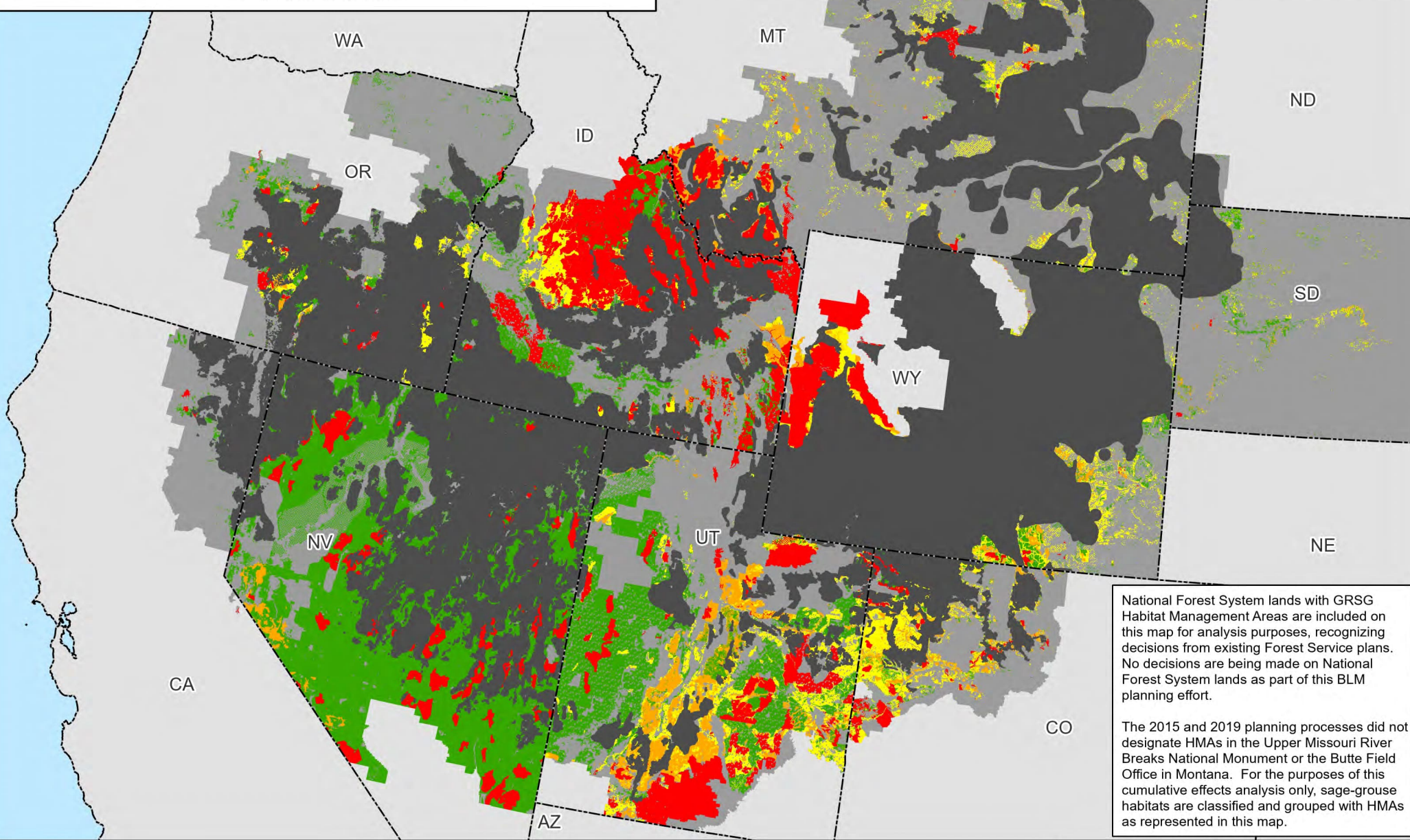
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

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Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



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Map 2.10b

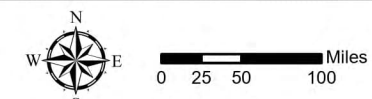
Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

- Oil and Gas - Closed
- Oil and Gas - Open Major Stipulations (NSO)
- Oil and Gas - Open Moderate Stipulations (CSU and/or TL)
- Oil and Gas - Open Standard Stipulations

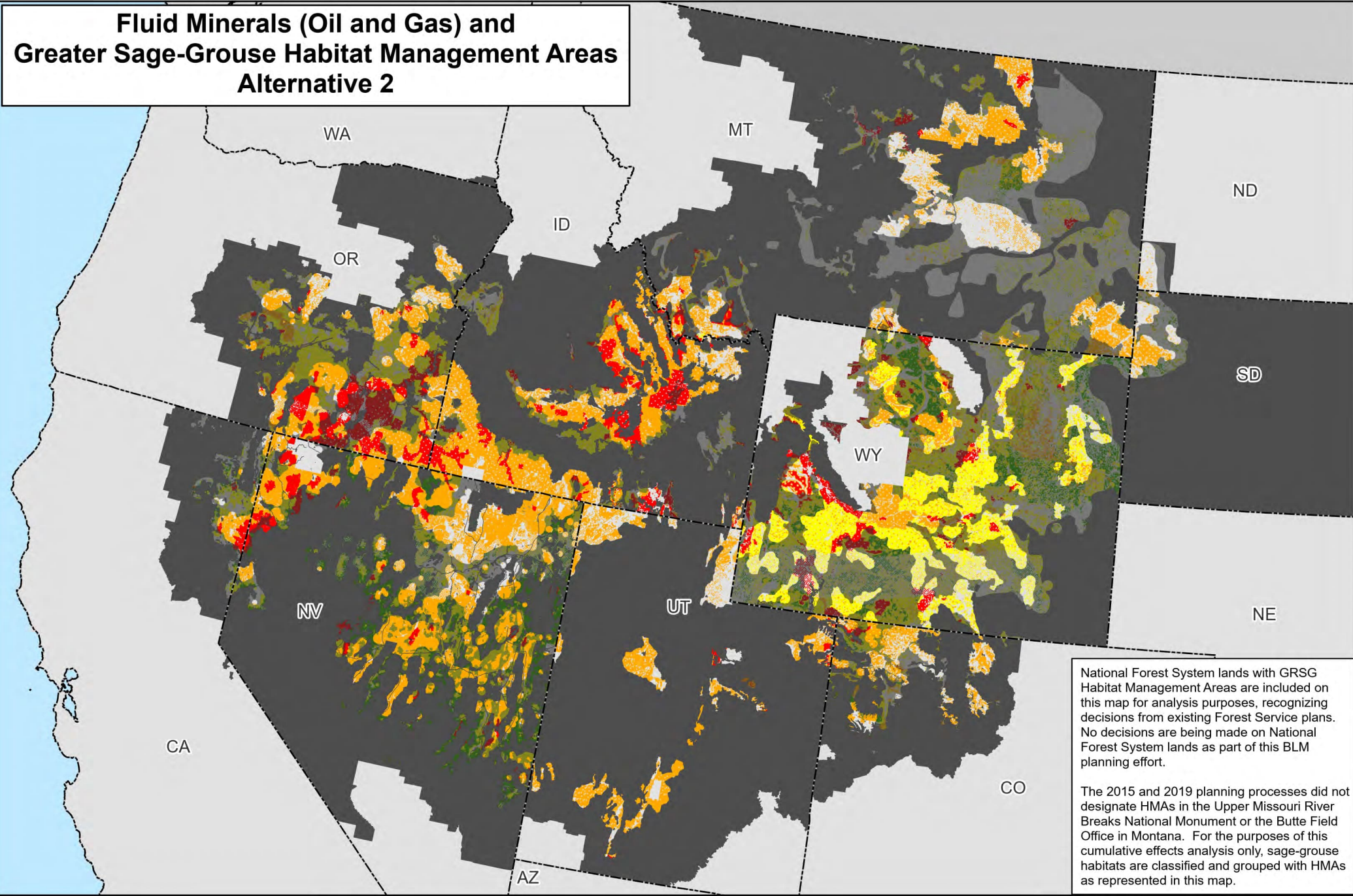
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries



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Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

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Map 2.11a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Oil and Gas - Closed

Oil and Gas - Open Major Stipulations (NSO)

Oil and Gas - Open Moderate Stipulations (CSU and/or TL)

Oil and Gas - Open Standard Stipulations

Legend

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

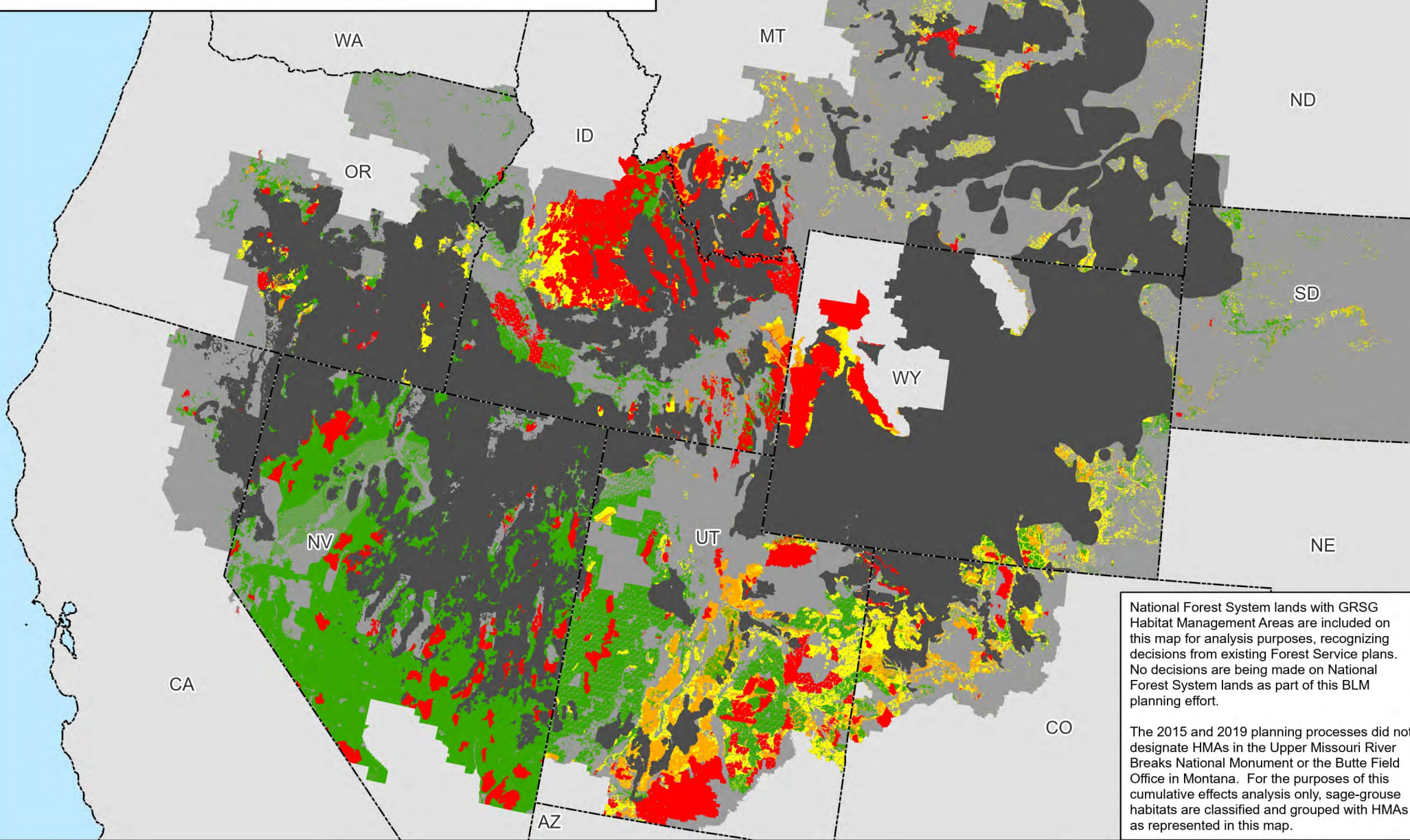
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



Map 2.11b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

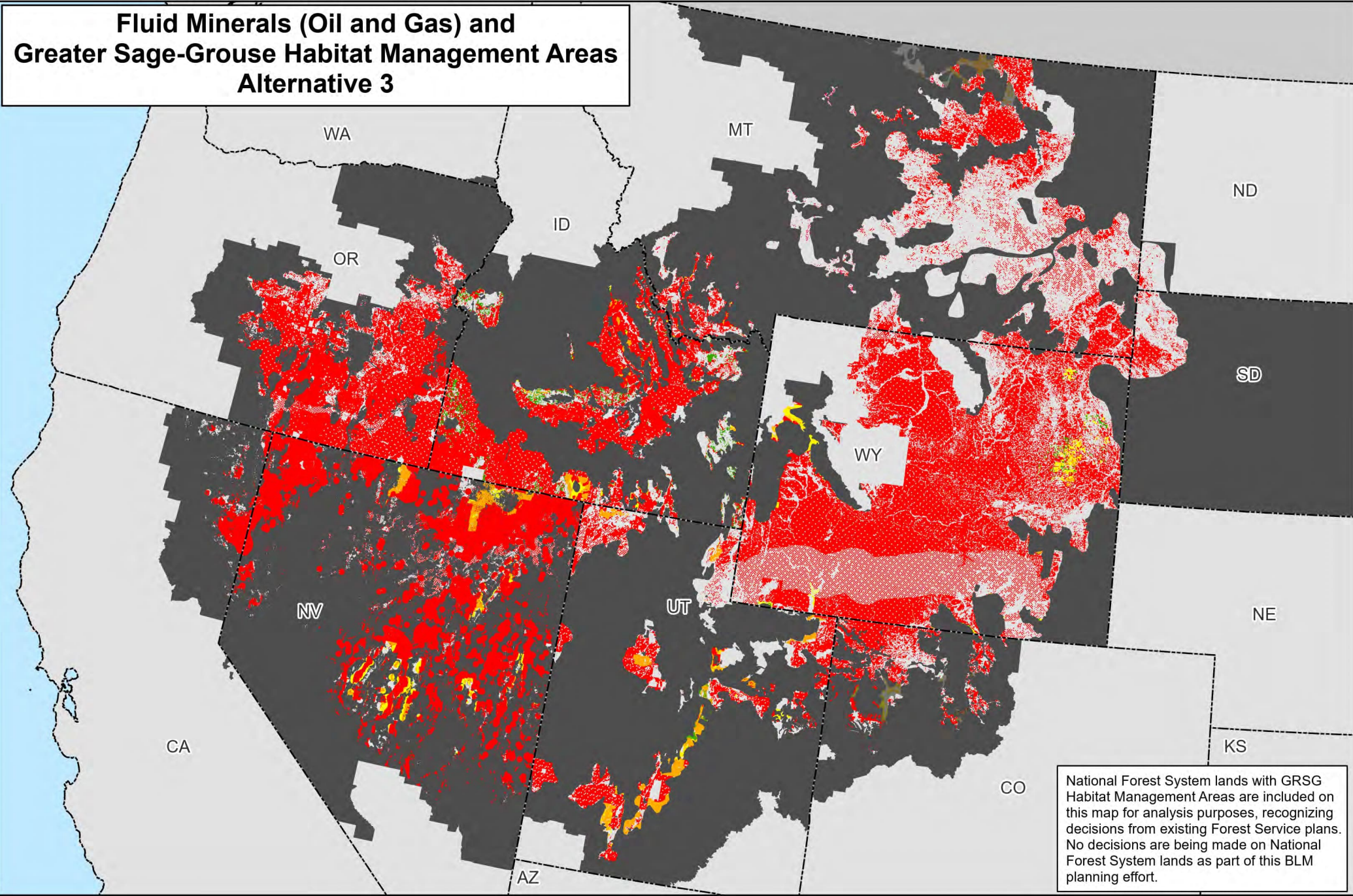
Masked Areas: Within GRSG Habitat Management Areas

- Oil and Gas - Closed
- Oil and Gas - Open Major Stipulations (NSO)
- Oil and Gas - Open Moderate Stipulations (CSU and/or TL)
- Oil and Gas - Open Standard Stipulations

- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Alternative 3



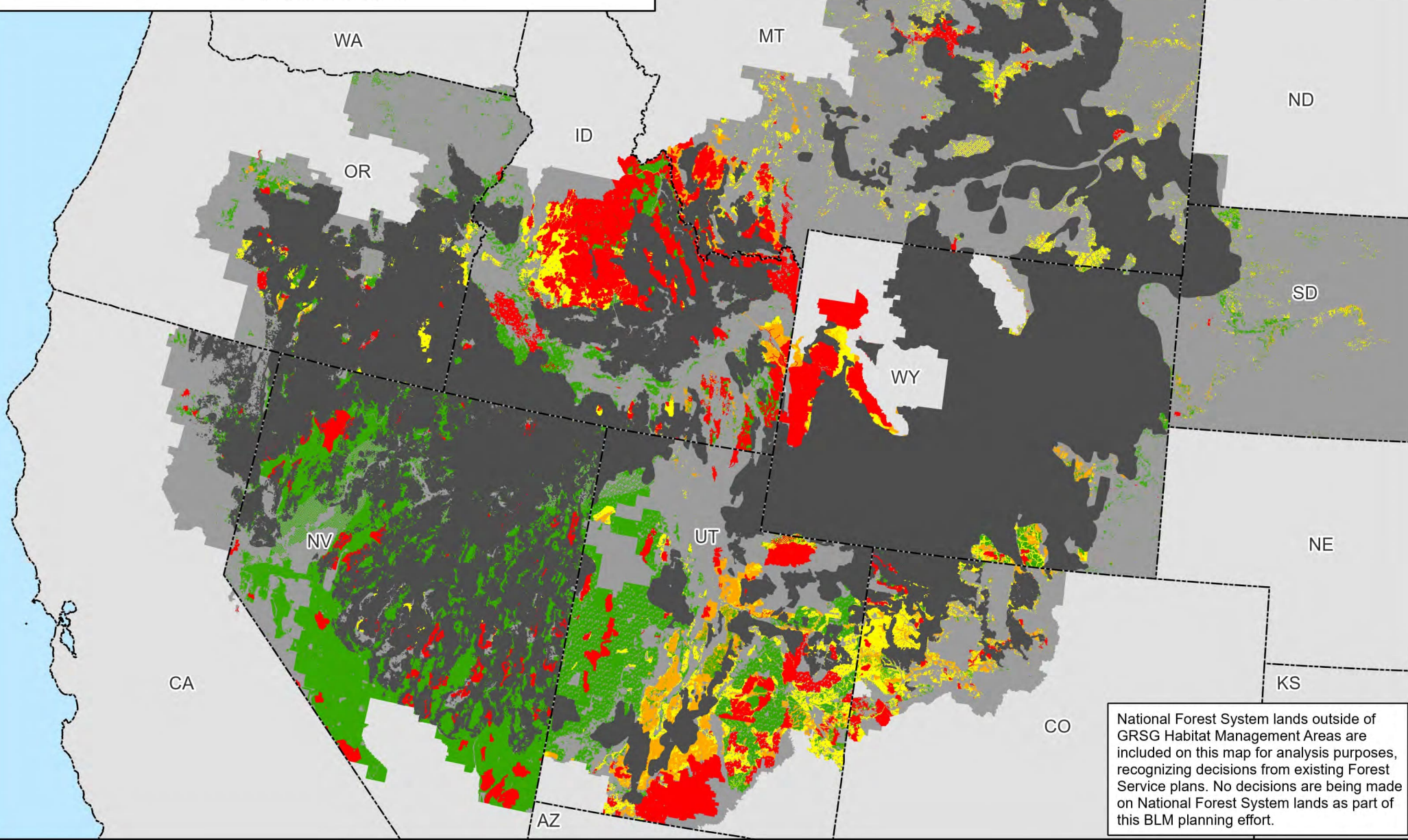
Map 2.12a



N
W E S
0 25 50 100 Miles

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.12b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

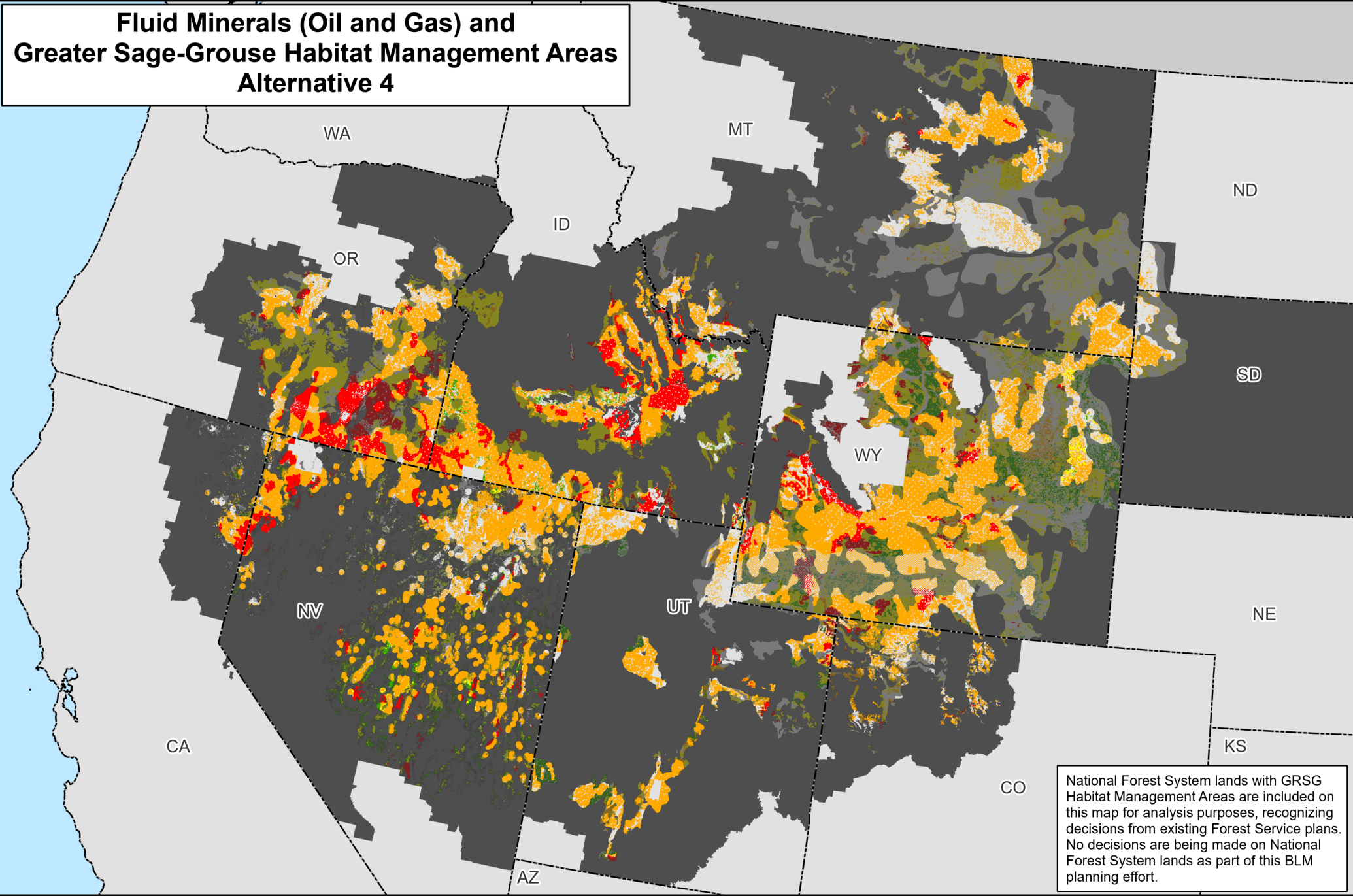
Masked Areas: Within GRSG Habitat Management Areas

- Oil and Gas - Closed
- Oil and Gas - Open Major Stipulations (NSO)
- Oil and Gas - Open Moderate Stipulations (CSU and/or TL)
- Oil and Gas - Open Standard Stipulations

- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.13a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Oil and Gas - Closed

Oil and Gas - Open Major Stipulations (NSO)

Oil and Gas - Open Moderate Stipulations (CSU and/or TL)

Oil and Gas - Open Standard Stipulations

Legend

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

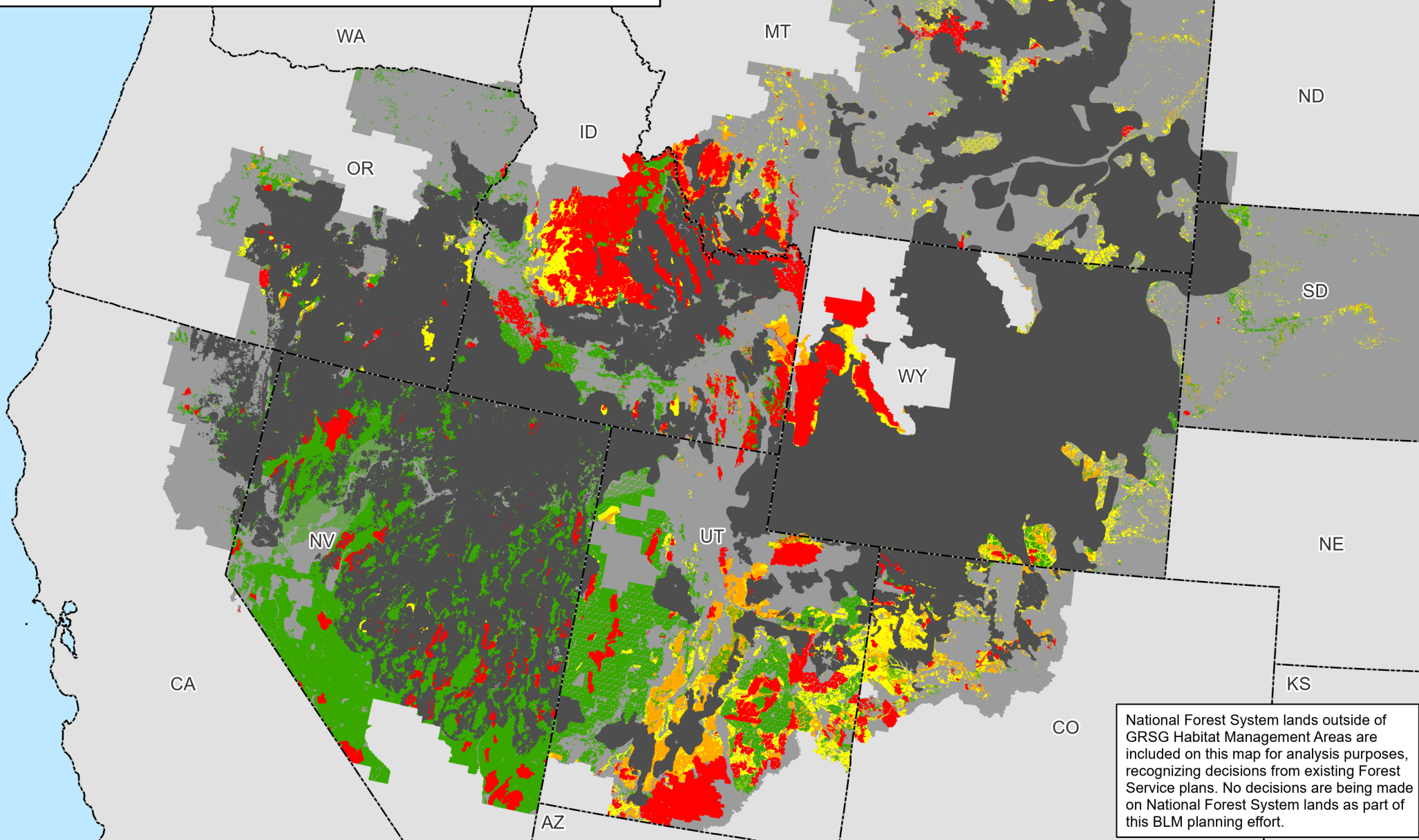
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.13b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

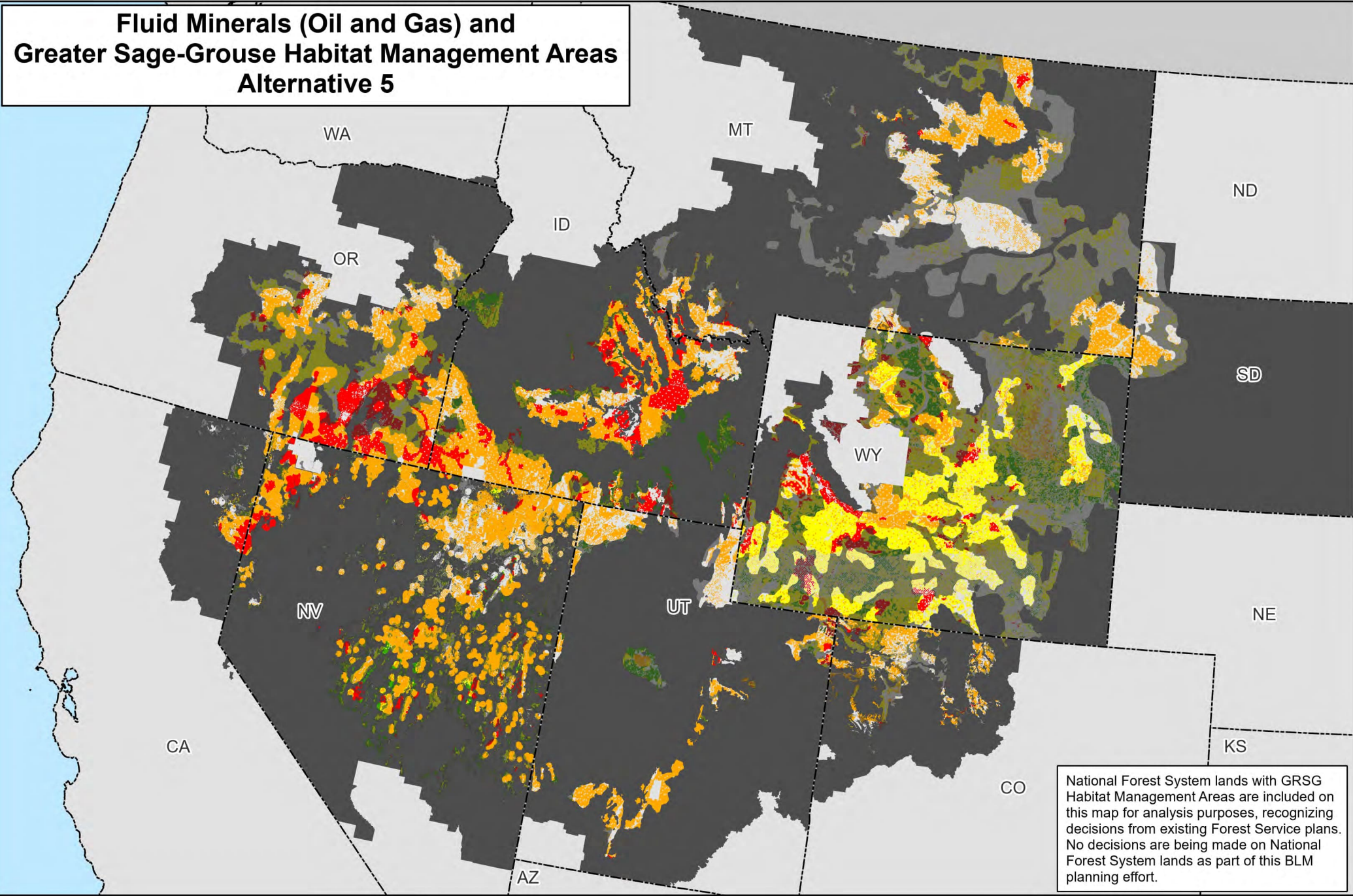
Masked Areas: Within GRSG Habitat Management Areas

- Oil and Gas - Closed
- Oil and Gas - Open Major Stipulations (NSO)
- Oil and Gas - Open Moderate Stipulations (CSU and/or TL)
- Oil and Gas - Open Standard Stipulations

- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Alternative 5













National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.14a

Legend


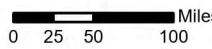
Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

		Oil and Gas - Closed		Non-Habitat Management Areas in the Planning Area Extent
		Oil and Gas - Open Major Stipulations (NSO)		State Boundaries
		Oil and Gas - Open Moderate Stipulations (CSU and/or TL)		
		Oil and Gas - Open Standard Stipulations		

PHMAs / IHMAs

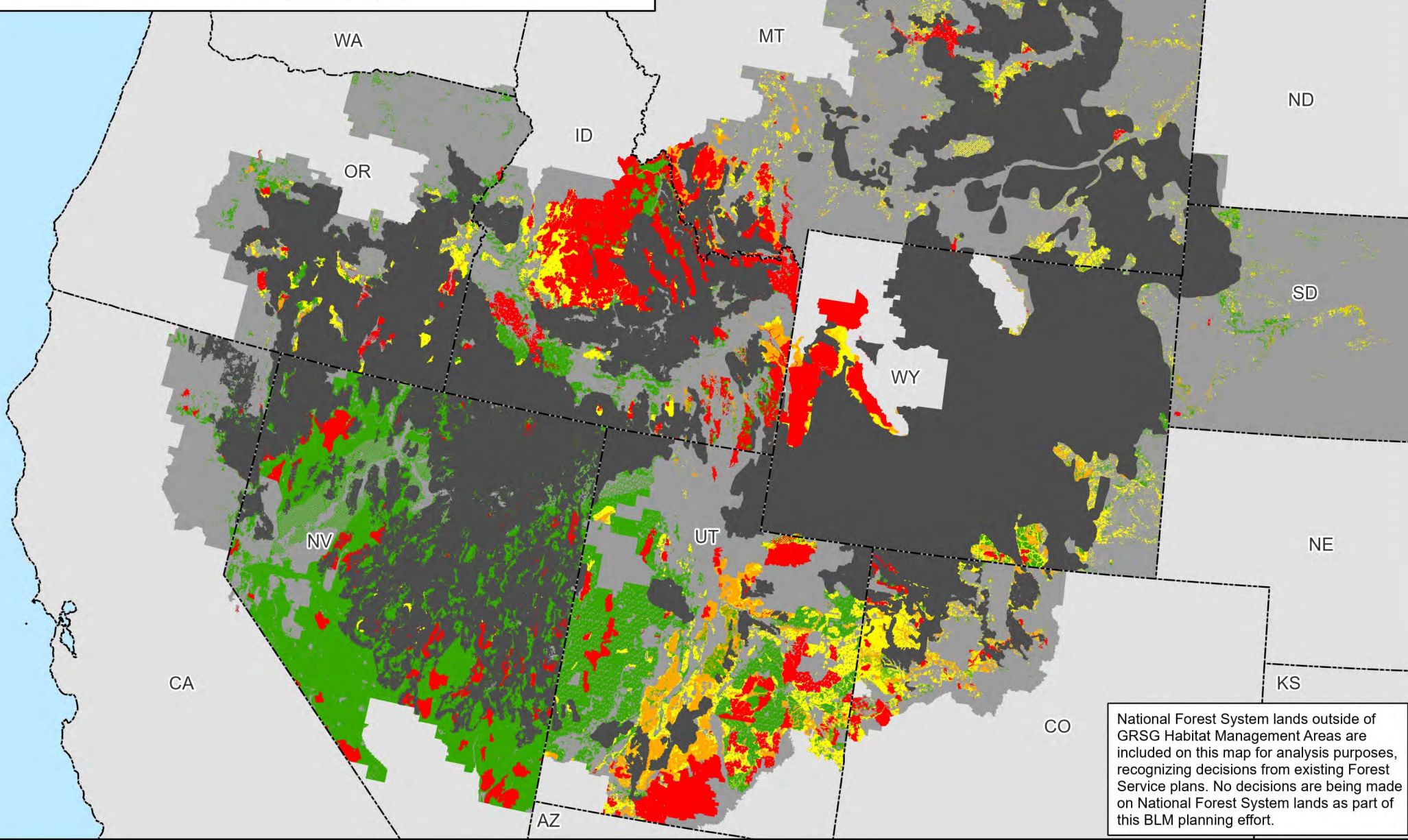
GHMAs / Add'l HMAs

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



Map 2.14b



Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

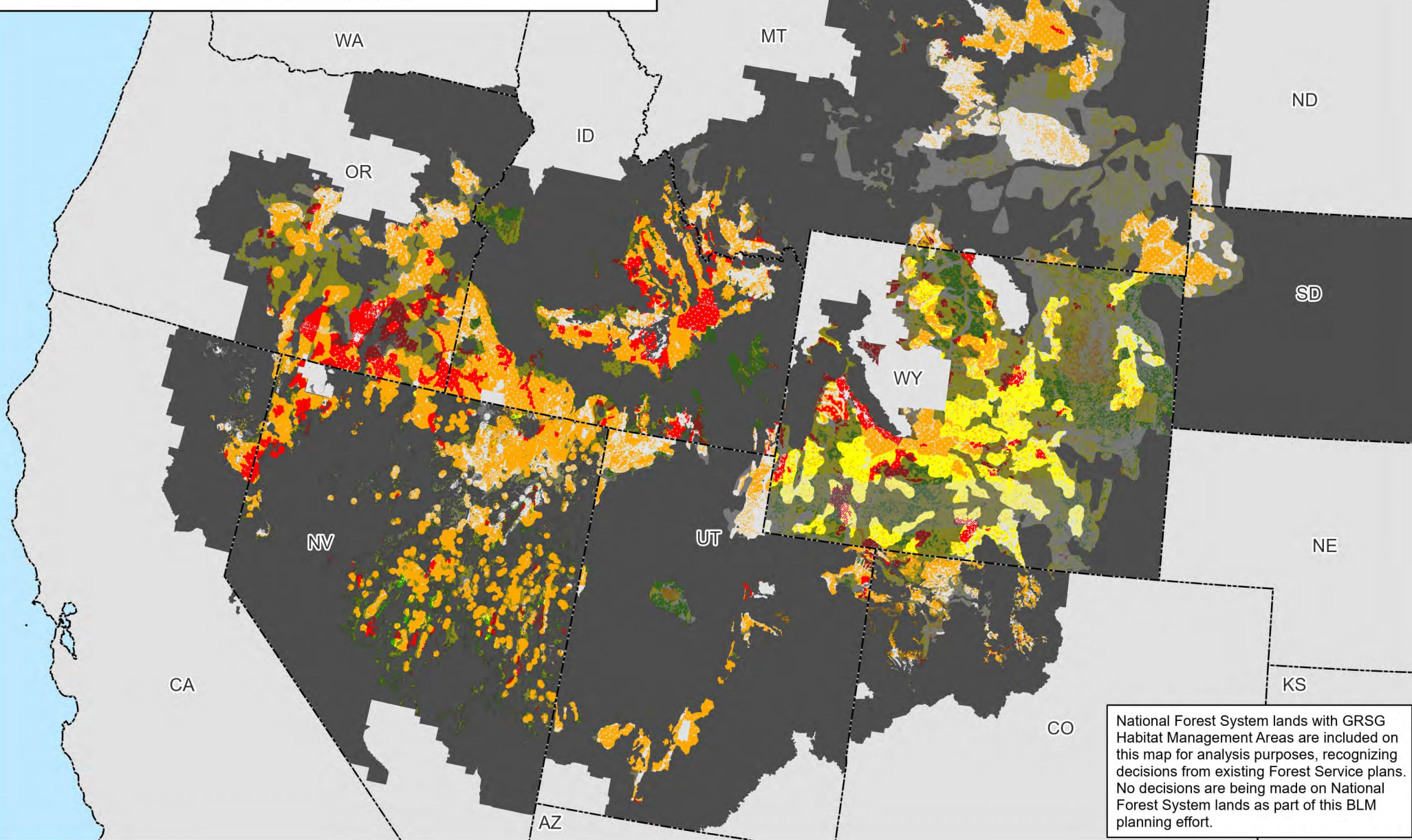
Masked Areas: Within GRSG Habitat Management Areas

■ Oil and Gas - Closed	■ GRSG Habitat Management Areas
■ Oil and Gas - Open Major Stipulations (NSO)	■ Planning Area Extent
■ Oil and Gas - Open Moderate Stipulations (CSU and/or TL)	 State Boundaries
■ Oil and Gas - Open Standard Stipulations	

National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Alternative 6



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.15a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Oil and Gas - Closed

Oil and Gas - Open Major Stipulations (NSO)

Oil and Gas - Open Moderate Stipulations (CSU and/or TL)

Oil and Gas - Open Standard Stipulations


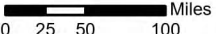
Legend

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

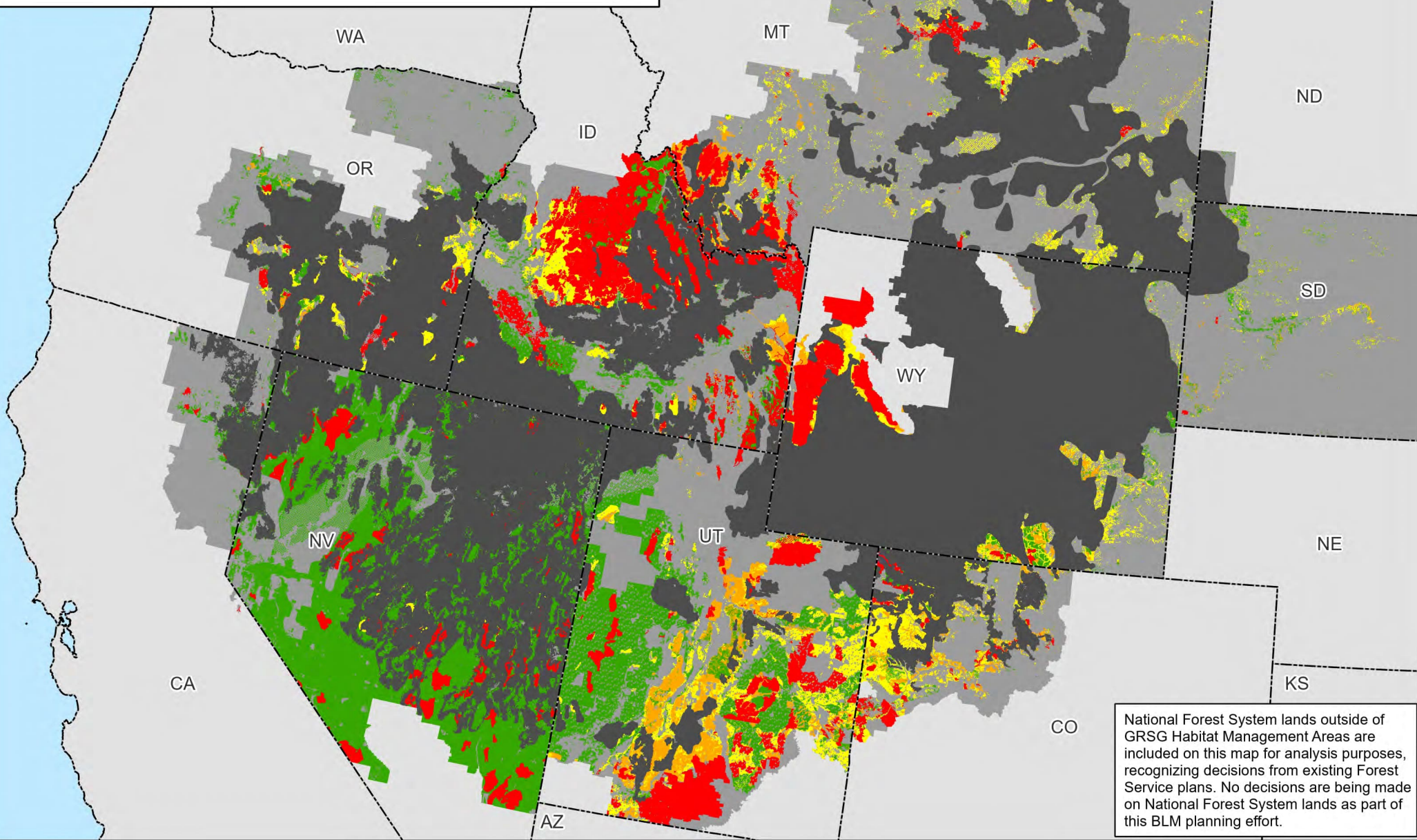
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

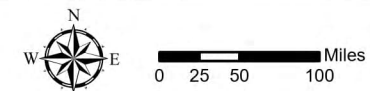
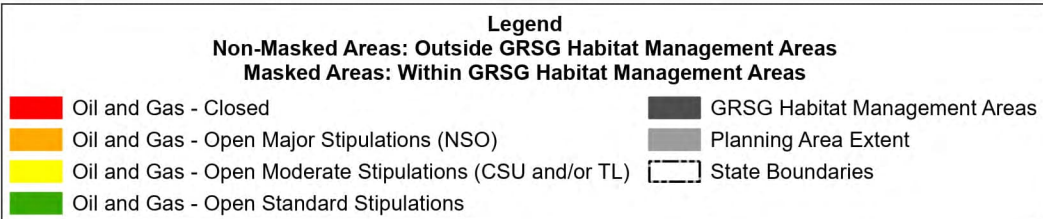



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6

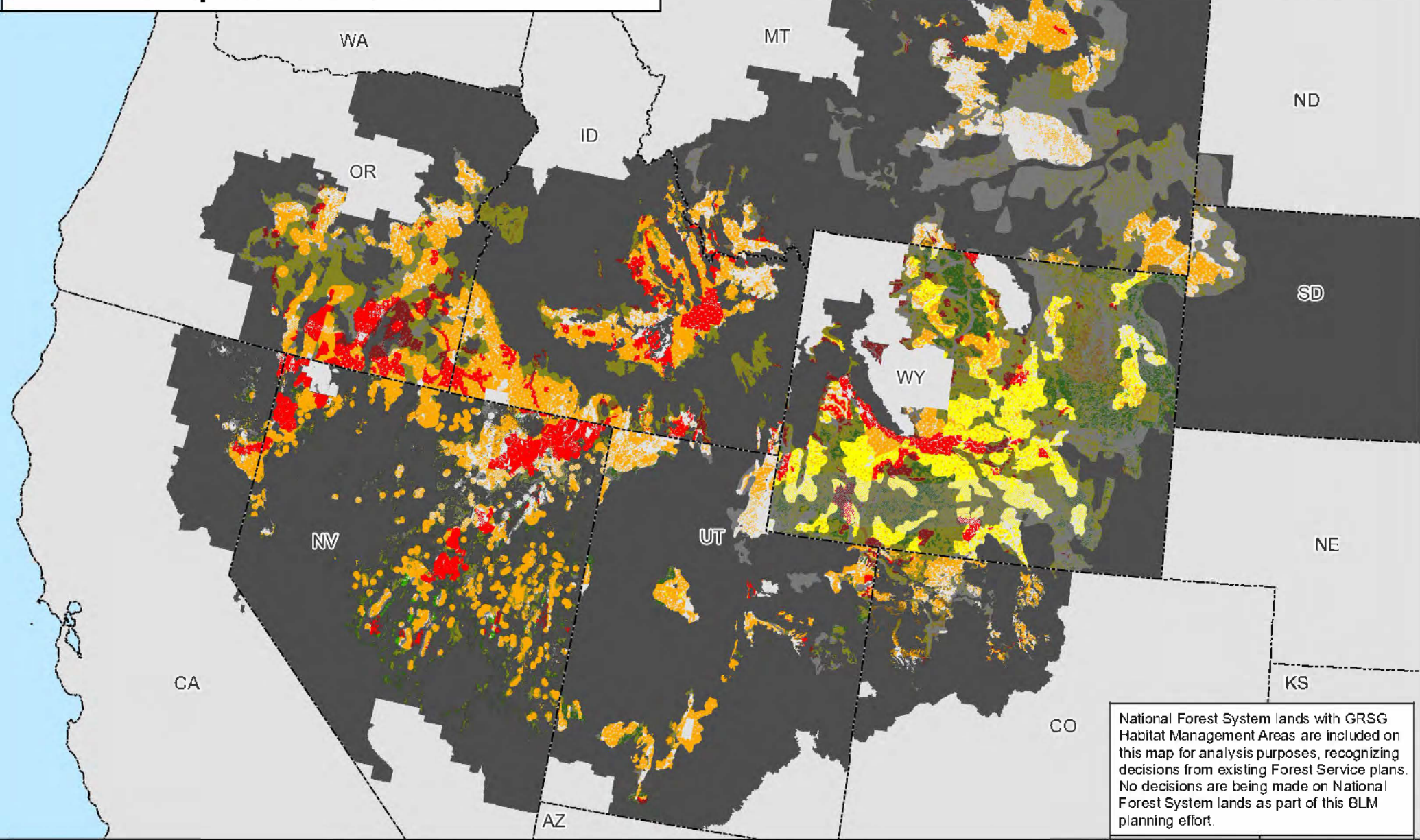


Map 2.15b



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) and Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.16a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Oil and Gas - Closed

Oil and Gas - Open Major Stipulations (NSO)

Oil and Gas - Open Moderate Stipulations (CSU and/or TL)

Oil and Gas - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

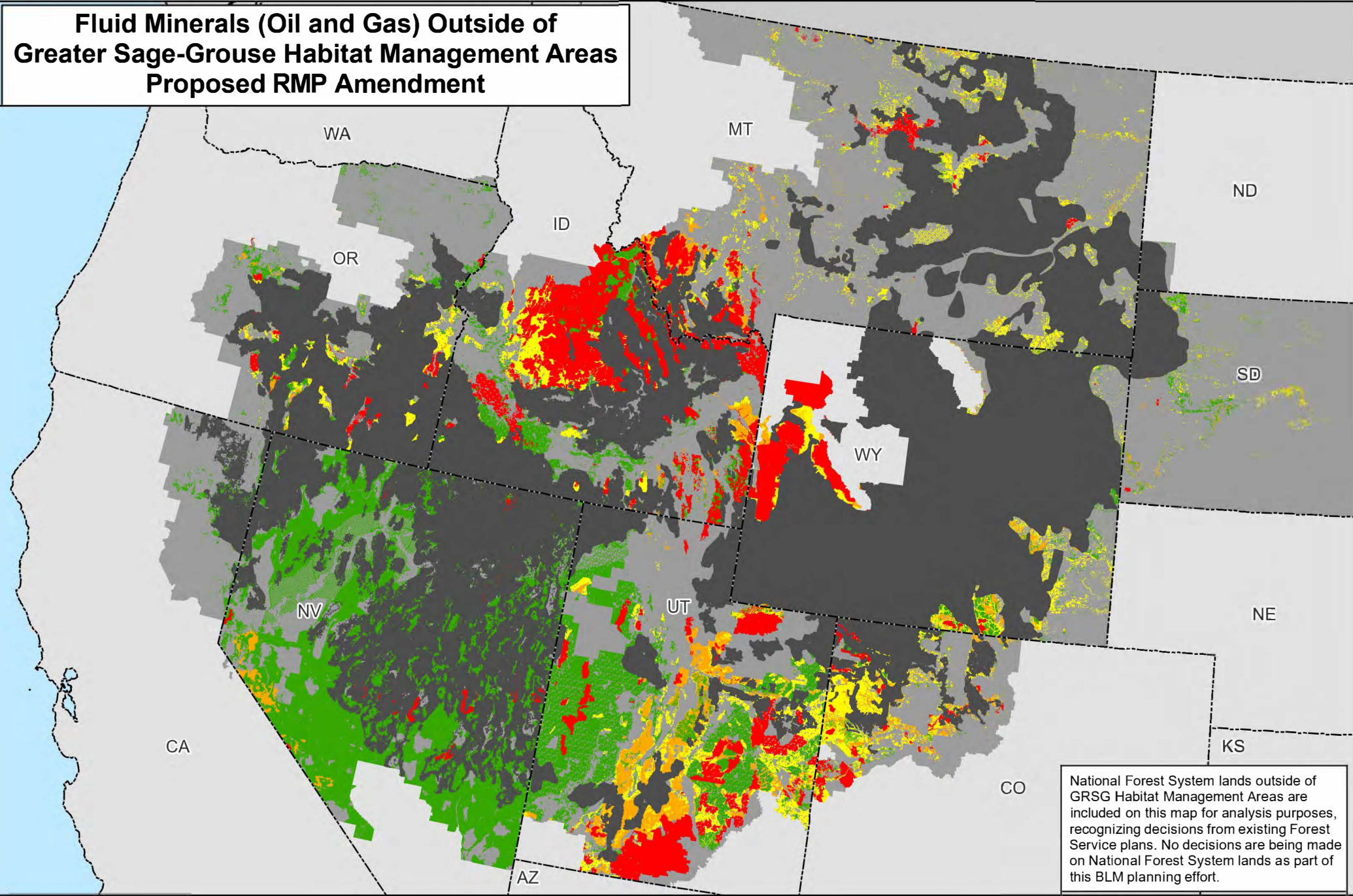
Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Fluid Minerals (Oil and Gas) Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.16b



Legend

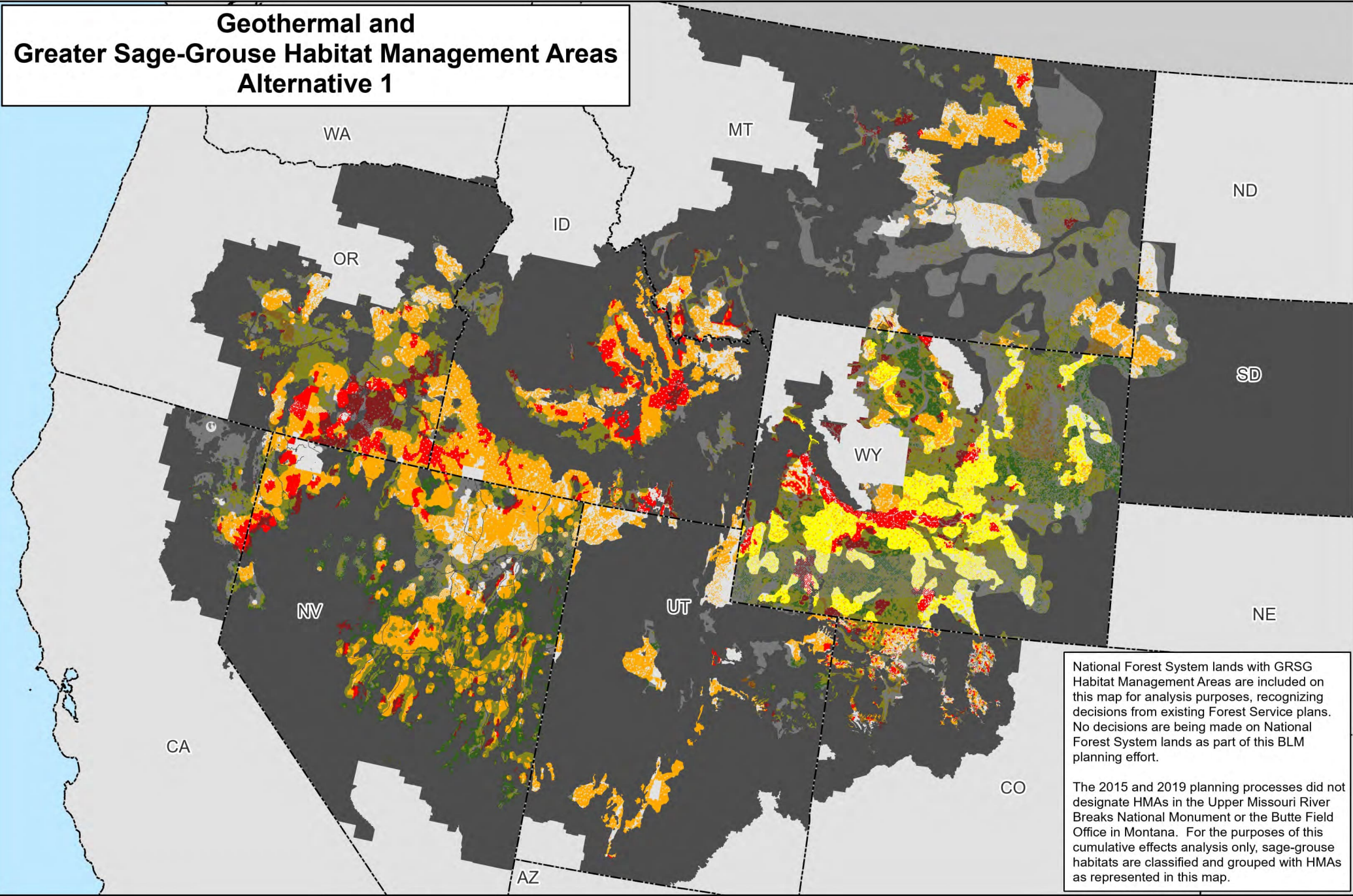
Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

■ Oil and Gas - Closed	■ GRSG Habitat Management Areas
■ Oil and Gas - Open Major Stipulations (NSO)	■ Planning Area Extent
■ Oil and Gas - Open Moderate Stipulations (CSU and/or TL)	 State Boundaries
■ Oil and Gas - Open Standard Stipulations	

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal and Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.17a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

Geothermal - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

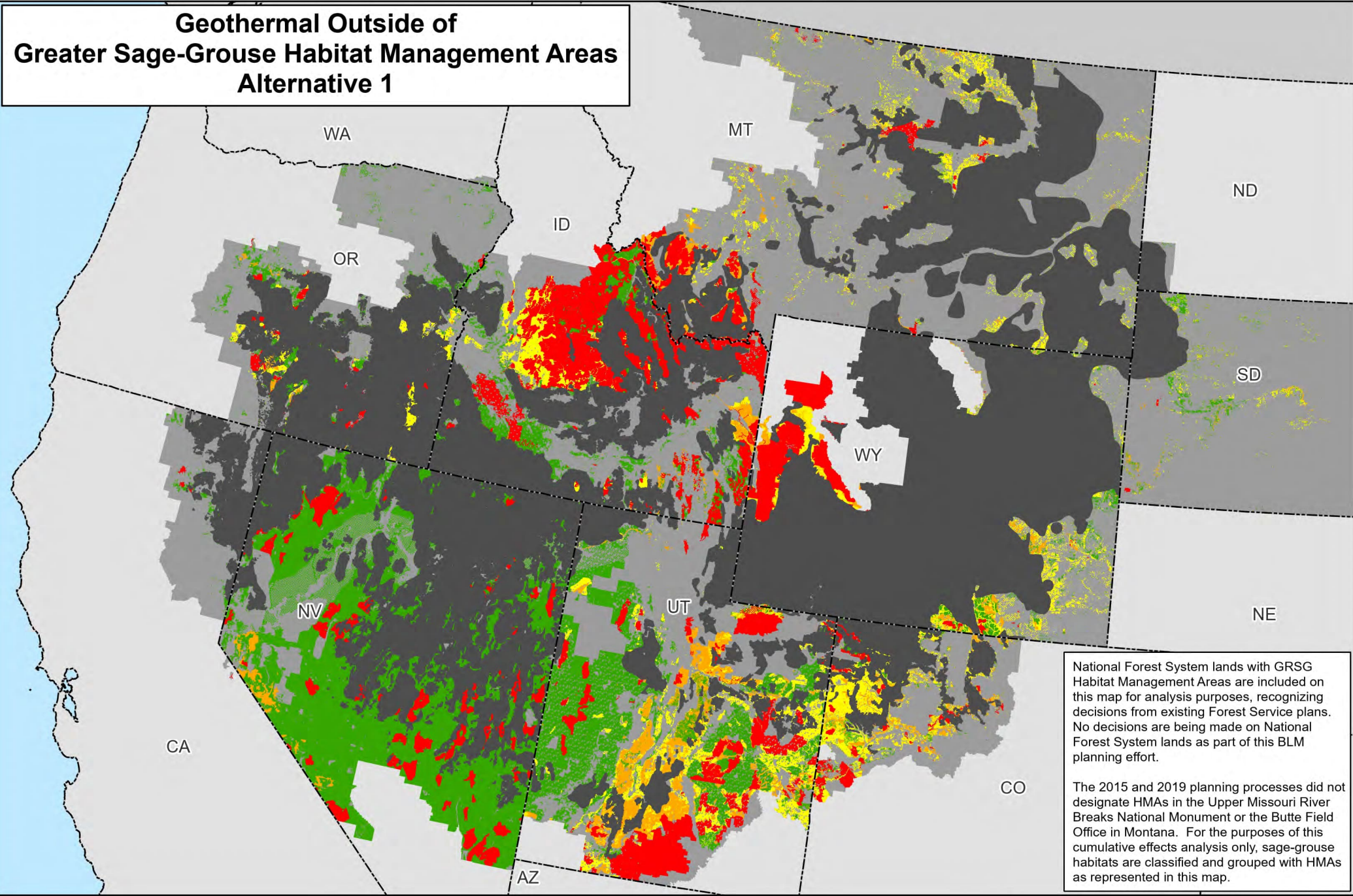
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.17b



Legend

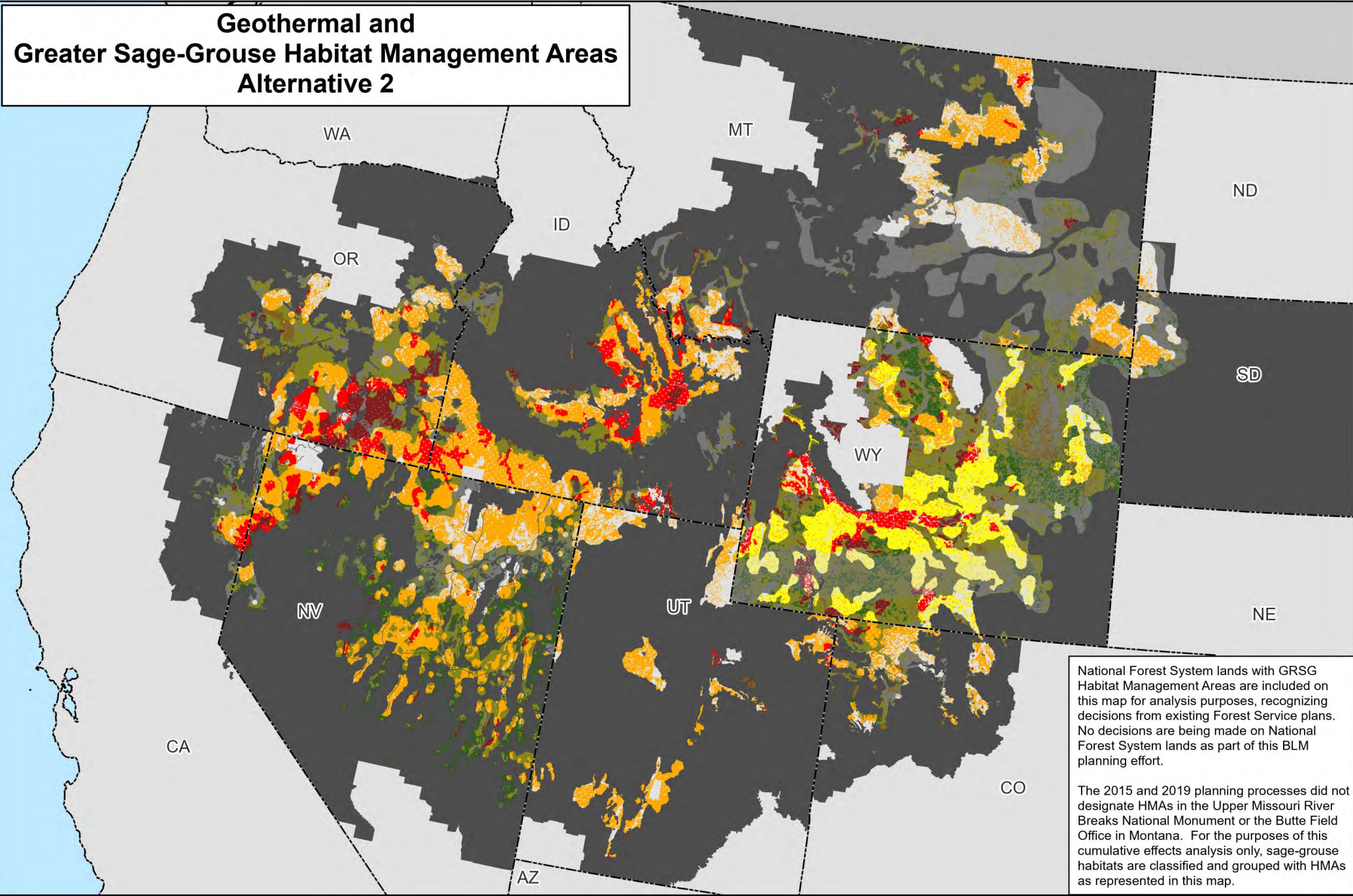
Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

■ Geothermal - Closed	■ GRSG Habitat Management Areas
■ Geothermal - Open Major Stipulations (NSO)	■ Planning Area Extent
■ Geothermal - Open Moderate Stipulations (CSU and/or TL)	■ State Boundaries
■ Geothermal - Open Standard Stipulations	

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal and Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.18a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

Geothermal - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

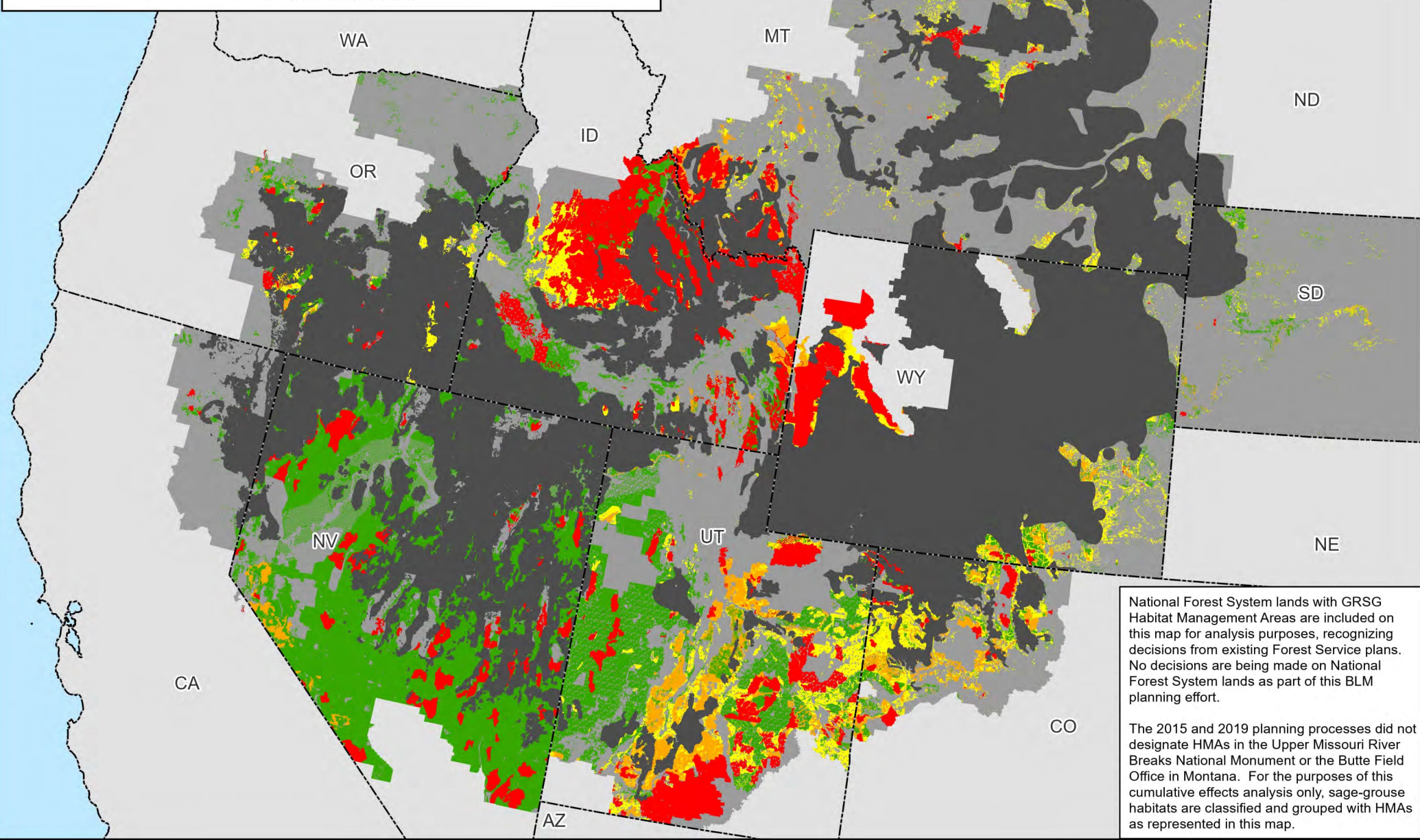
Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.18b



Legend

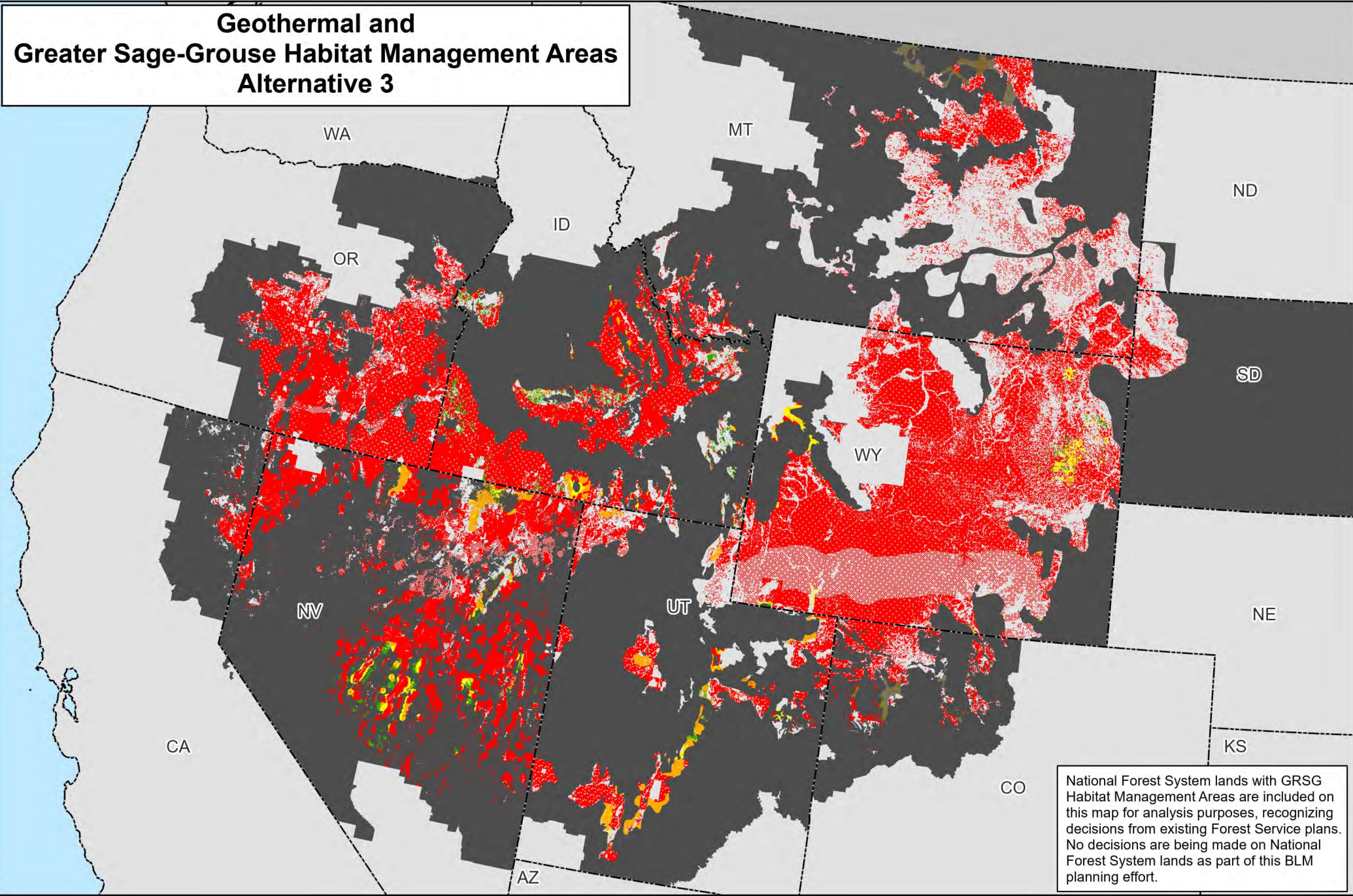
Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

■ Geothermal - Closed	■ GRSG Habitat Management Areas
■ Geothermal - Open Major Stipulations (NSO)	■ Planning Area Extent
■ Geothermal - Open Moderate Stipulations (CSU and/or TL)	■ State Boundaries
■ Geothermal - Open Standard Stipulations	

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal and Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.19a

PHMAs

Add'l HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

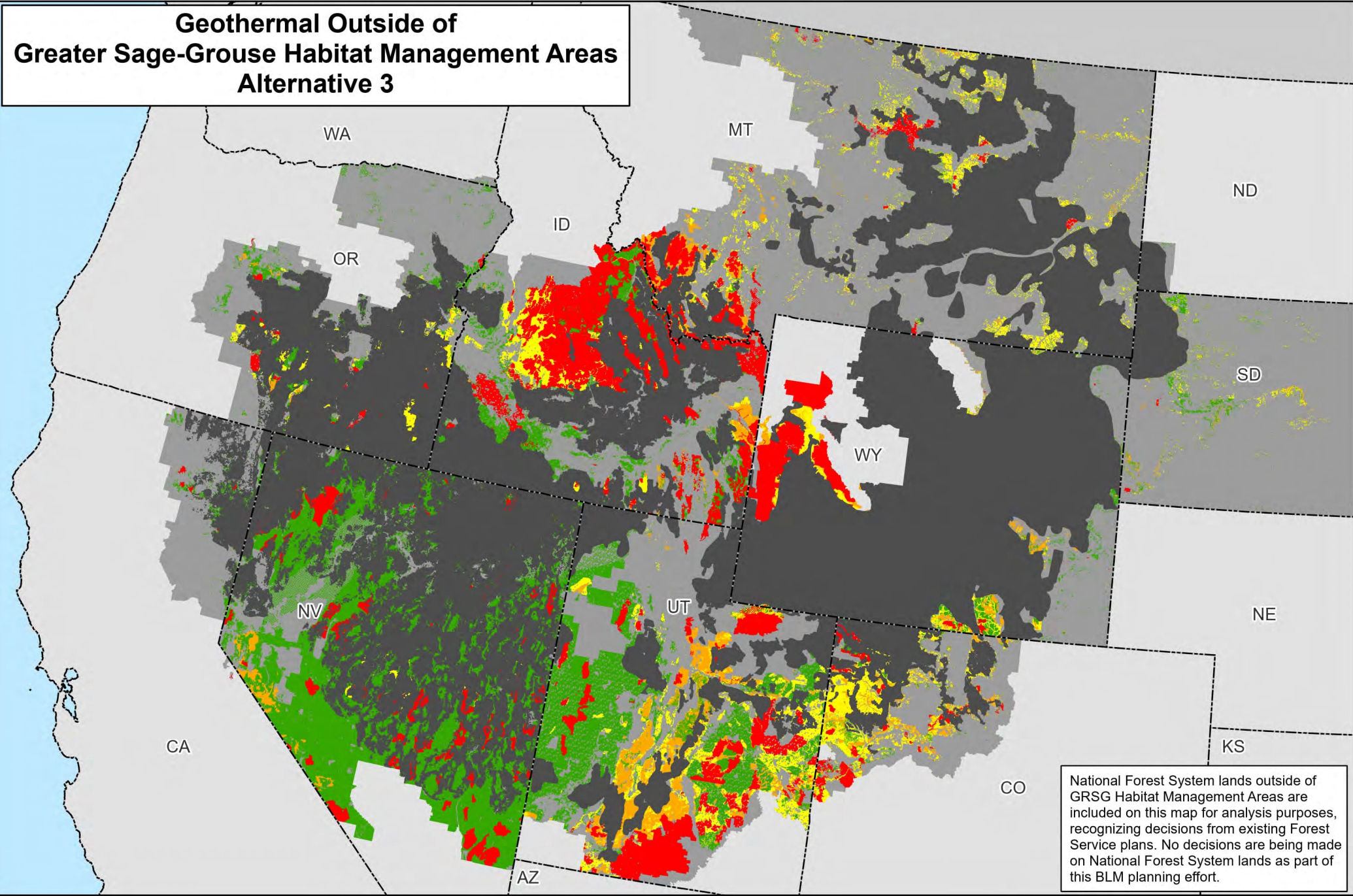
Geothermal - Open Standard Stipulations

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.19b



Legend

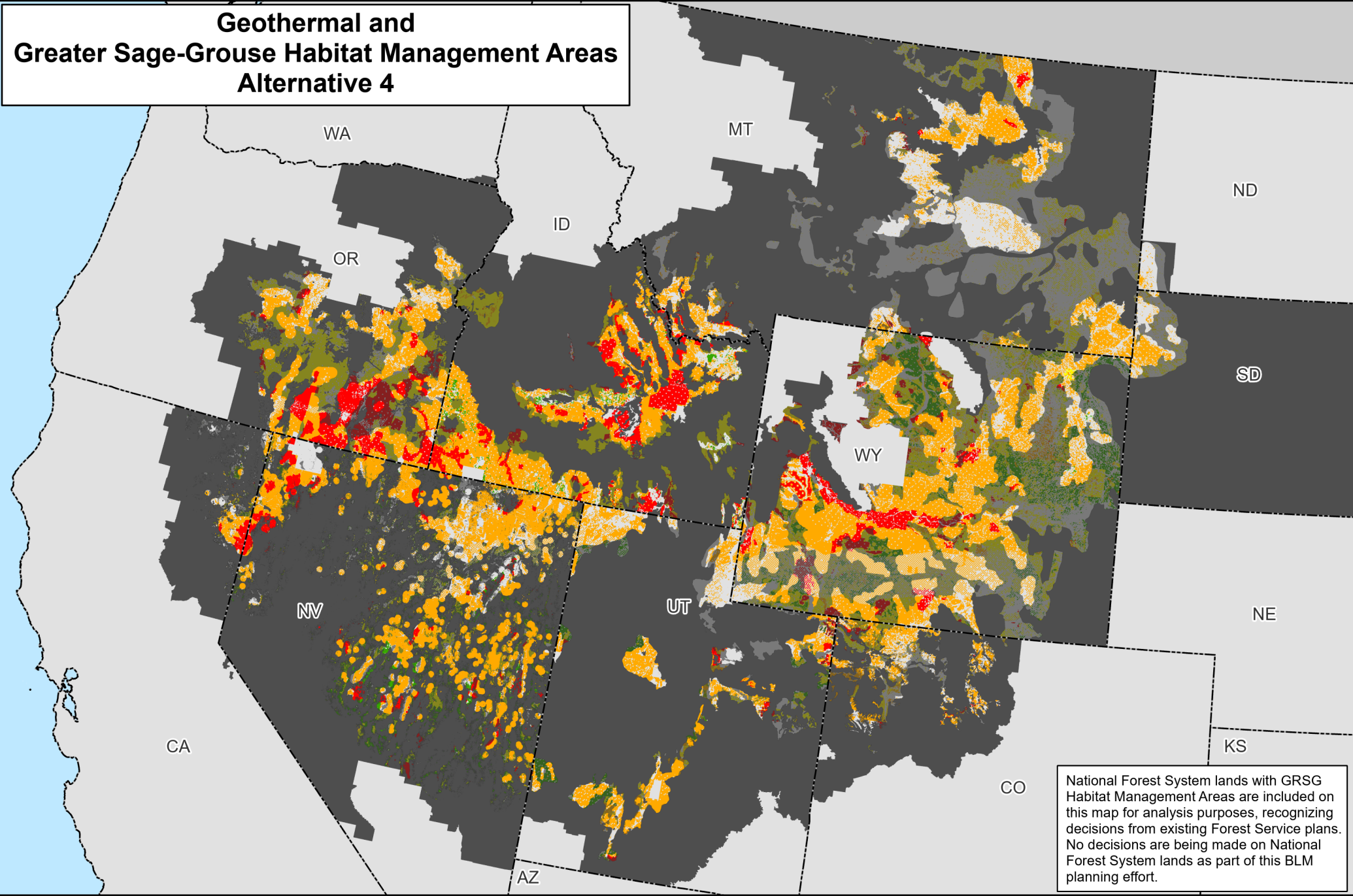
Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

■ Geothermal - Closed	■ GRSG Habitat Management Areas
■ Geothermal - Open Major Stipulations (NSO)	■ Planning Area Extent
■ Geothermal - Open Moderate Stipulations (CSU and/or TL)	■ State Boundaries
■ Geothermal - Open Standard Stipulations	

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal and Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.20a

PHMAs / IHMAs

GHMAs / Additional HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

Geothermal - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

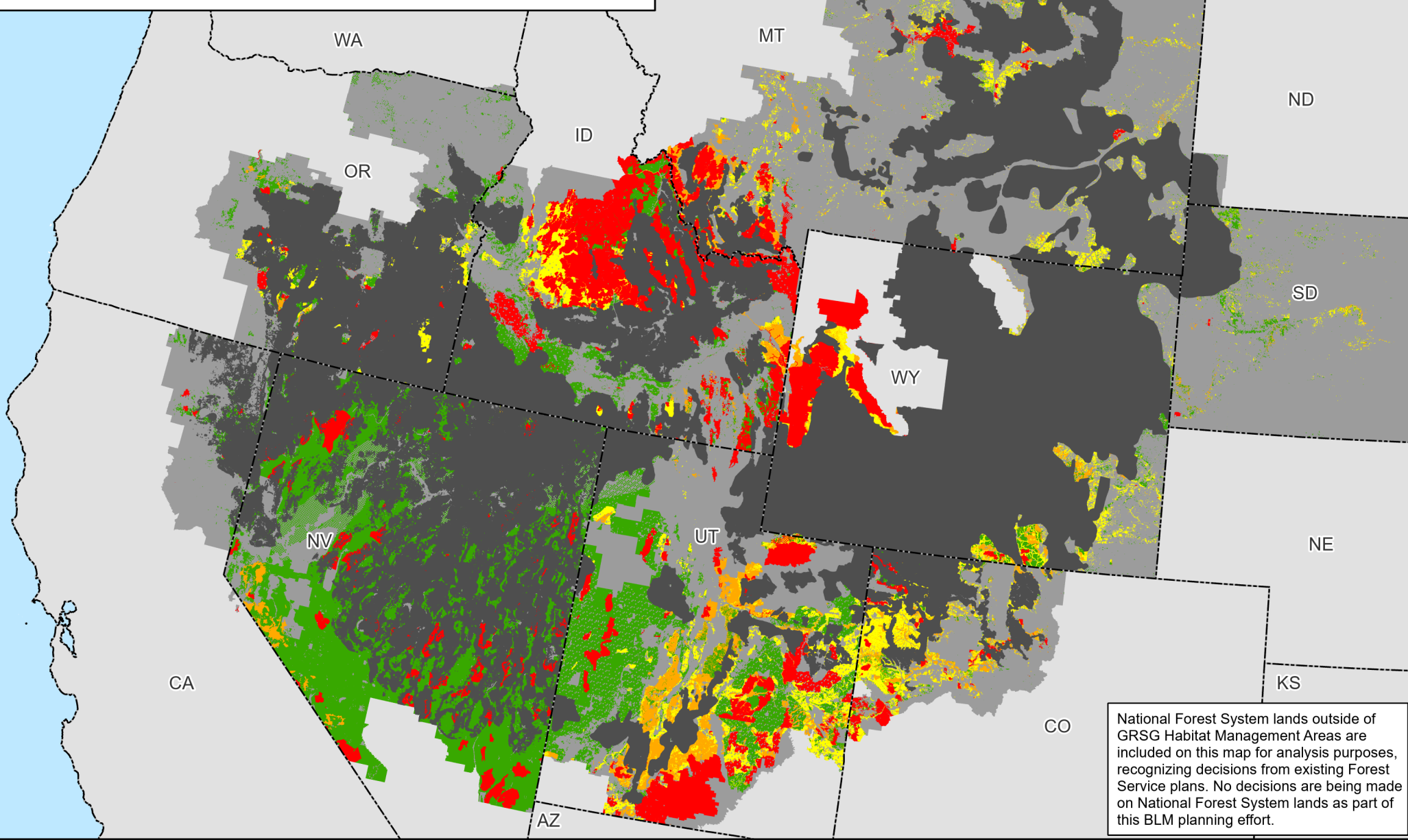
Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.20b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

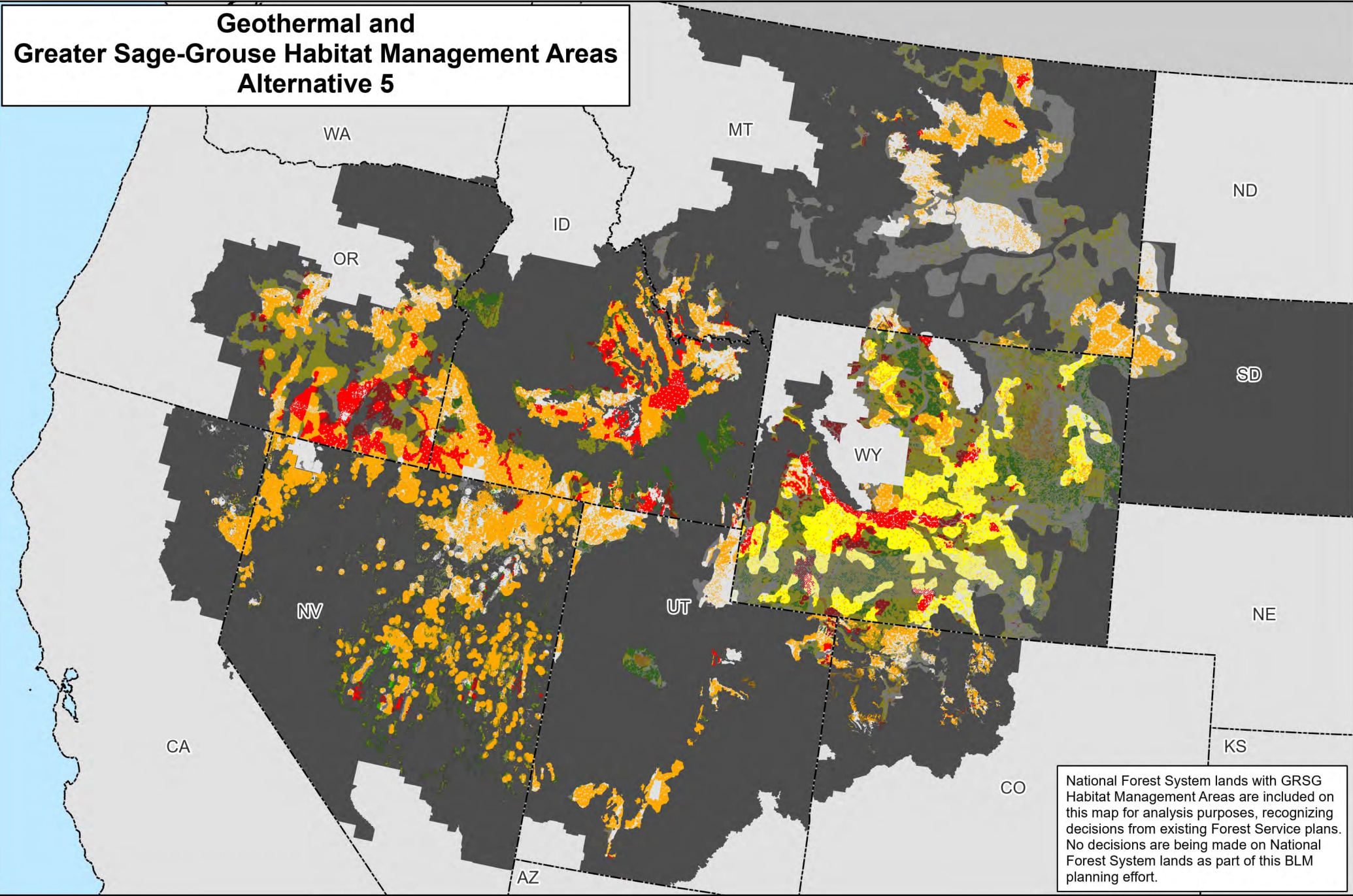
- Geothermal - Closed
- Geothermal - Open Major Stipulations (NSO)
- Geothermal - Open Moderate Stipulations (CSU and/or TL)
- Geothermal - Open Standard Stipulations

- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Geothermal and Greater Sage-Grouse Habitat Management Areas Alternative 5



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.21a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

Geothermal - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

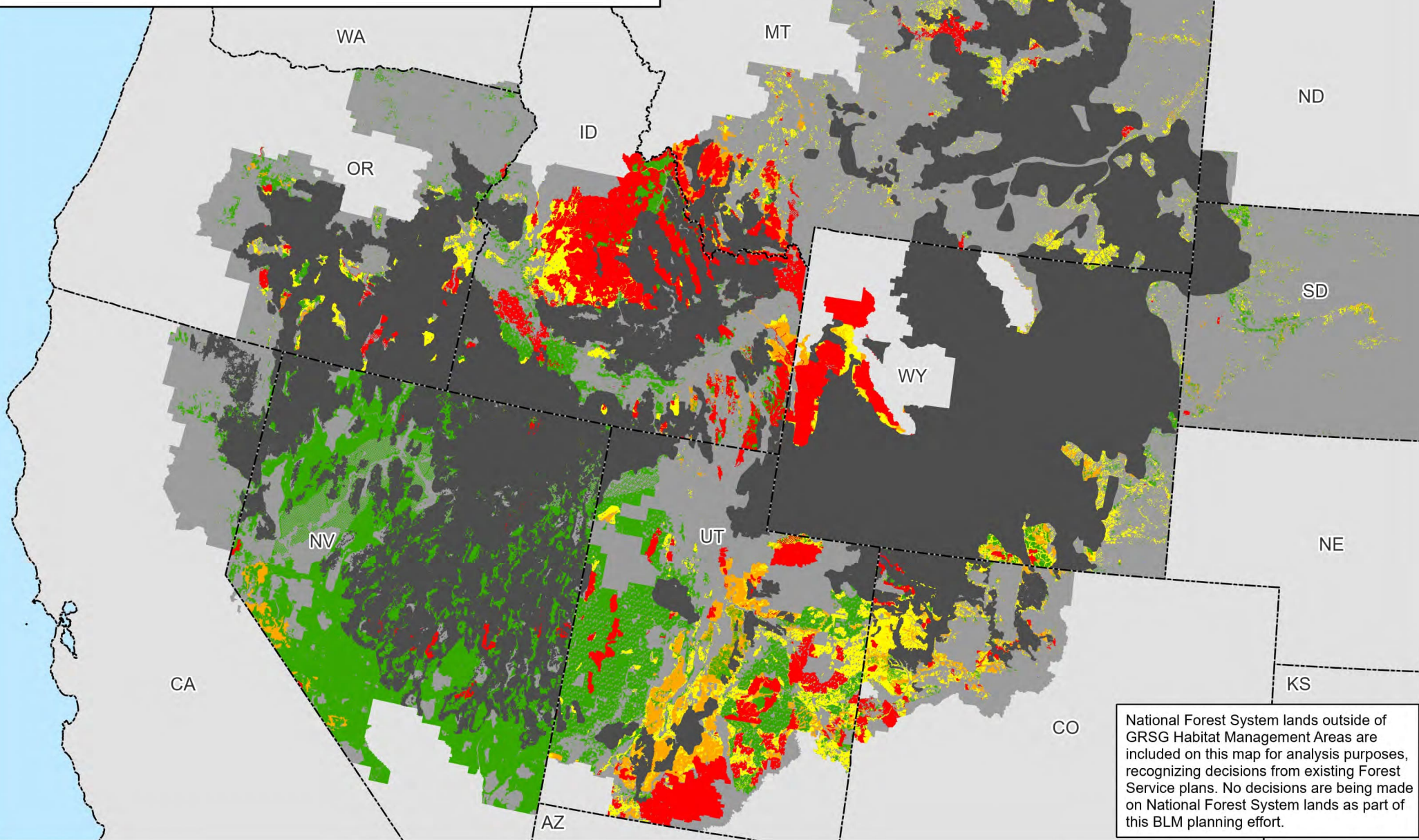
Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

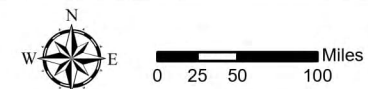
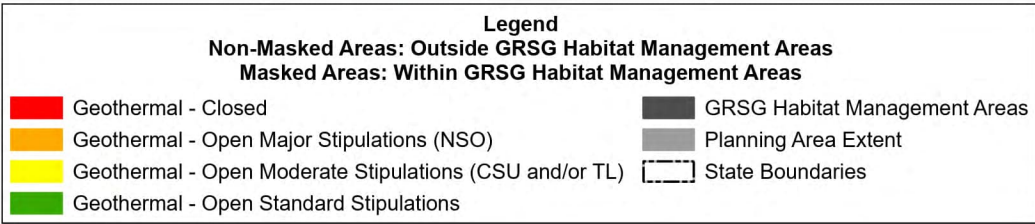
State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5

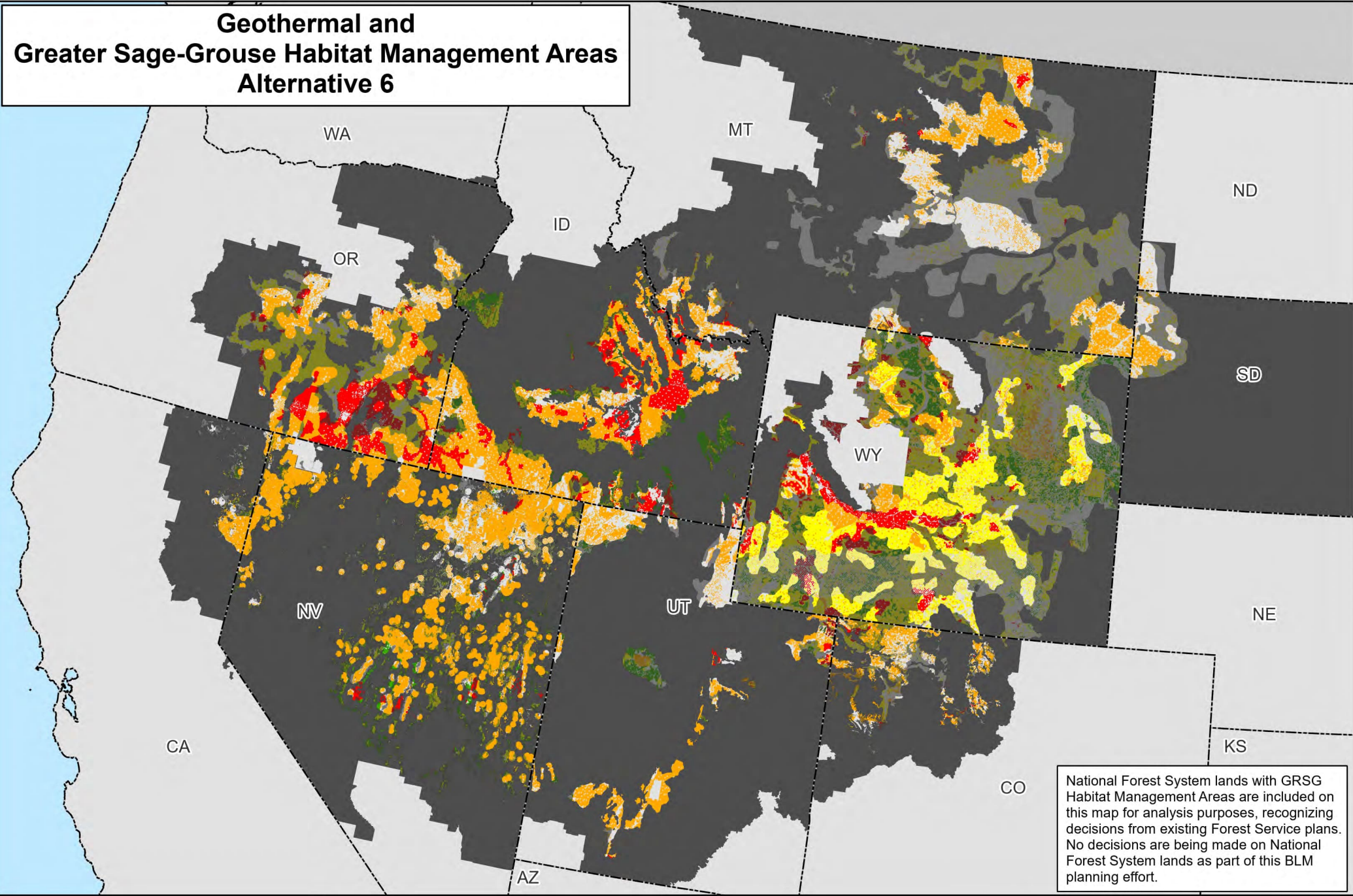


Map 2.21b



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal and Greater Sage-Grouse Habitat Management Areas Alternative 6



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.22a

PHMAs / IHMAs

GHMAs / Additional HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

Geothermal - Open Standard Stipulations

Non-Shaded Areas: PHMAs/IHMAs

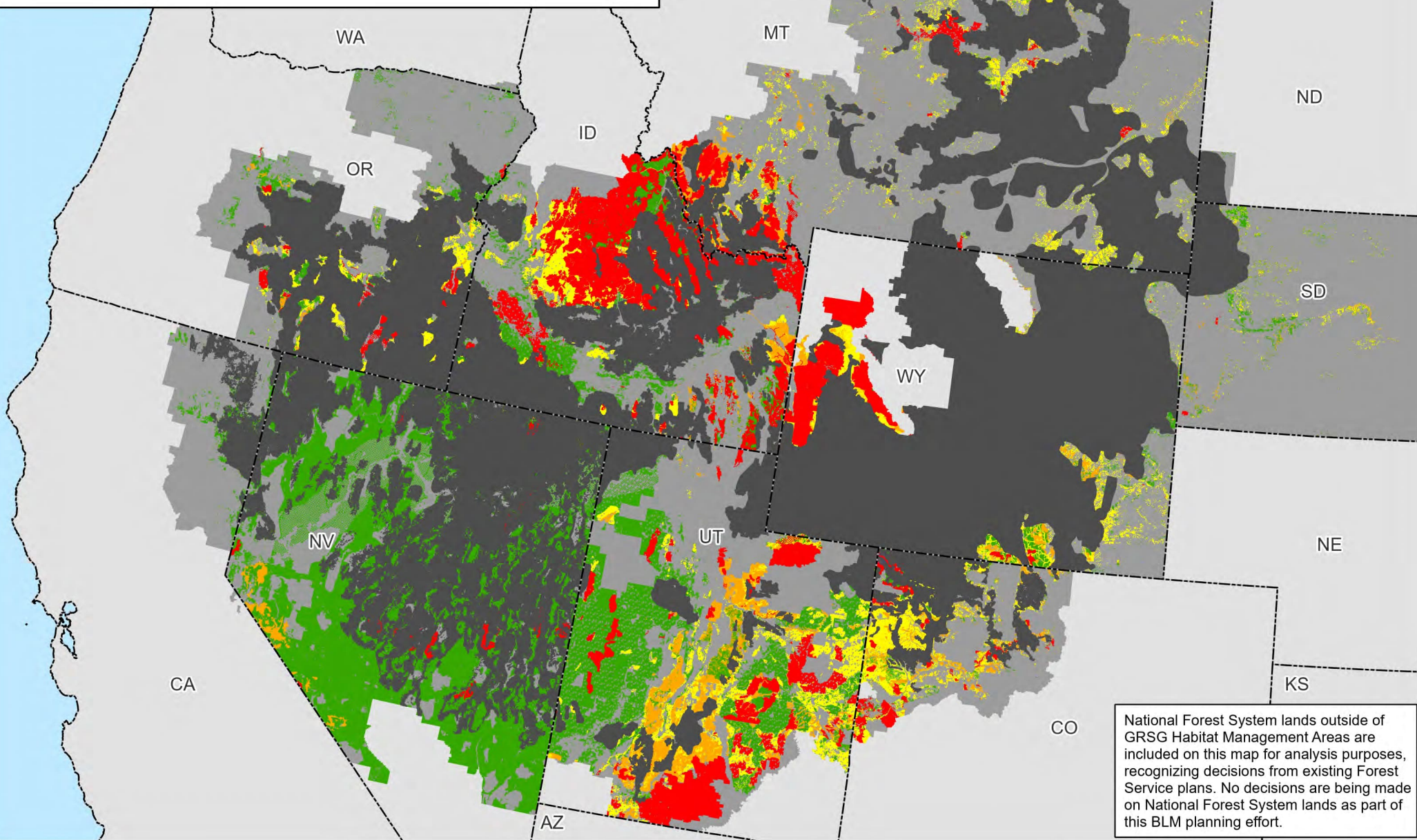
Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



Map 2.22b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

- Geothermal - Closed
- Geothermal - Open Major Stipulations (NSO)
- Geothermal - Open Moderate Stipulations (CSU and/or TL)
- Geothermal - Open Standard Stipulations
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

N

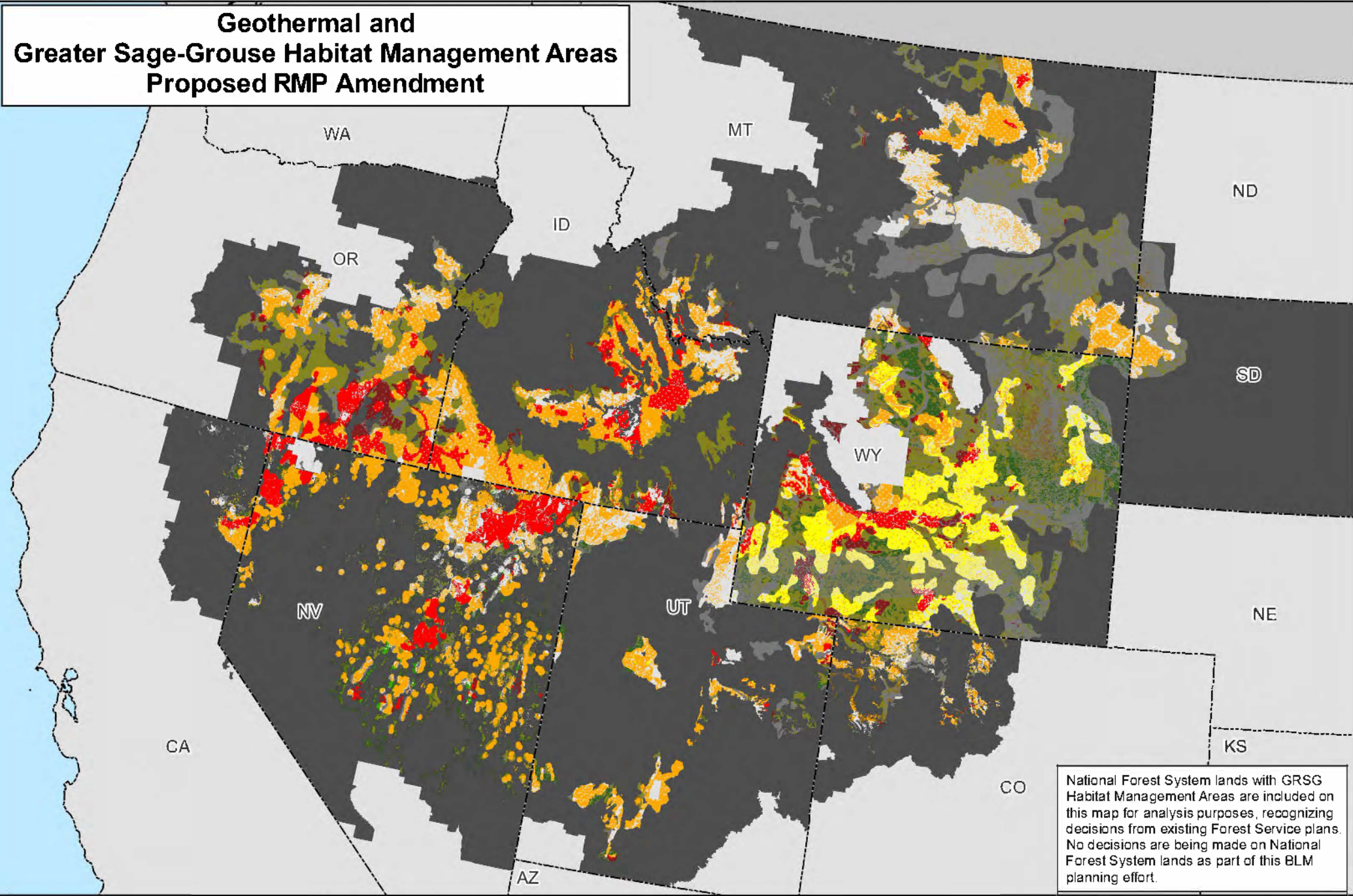
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No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal and Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.23a

PHMAs / IHMAs

GHMAs / Additional HMAs

Geothermal - Closed

Geothermal - Open Major Stipulations (NSO)

Geothermal - Open Moderate Stipulations (CSU and/or TL)

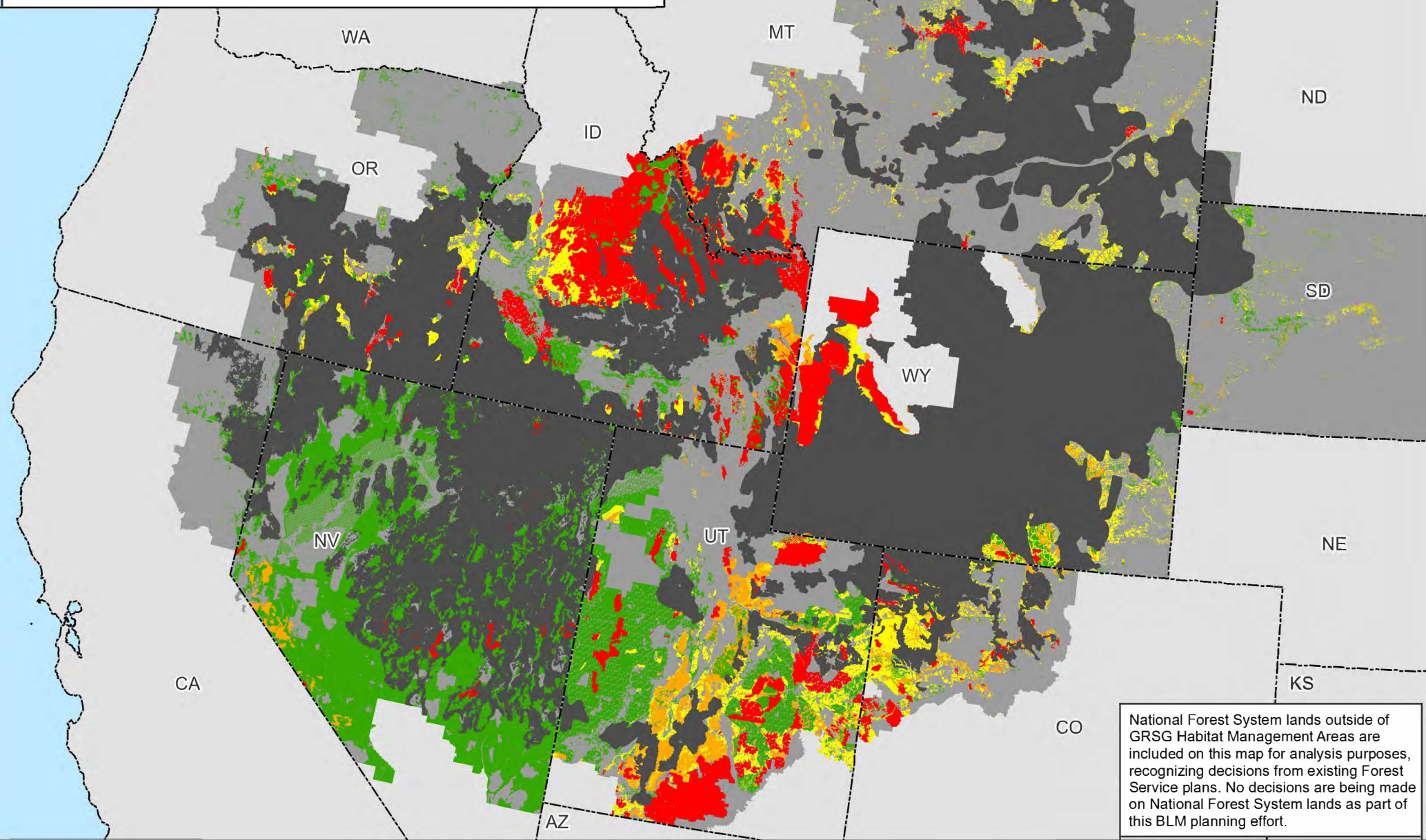
Geothermal - Open Standard Stipulations

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Geothermal Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.23b



Legend

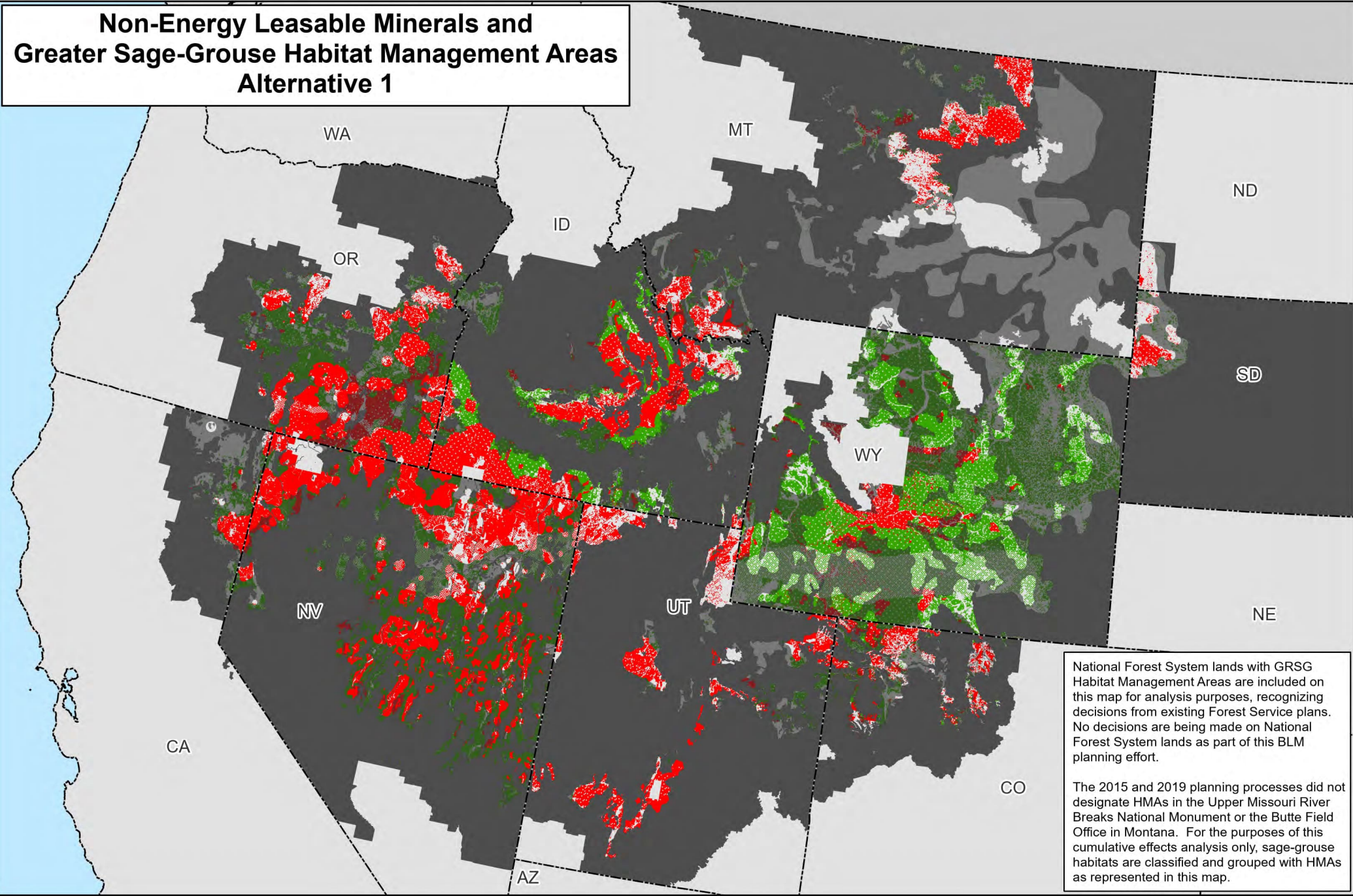
Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

■ Geothermal - Closed	■ GRSG Habitat Management Areas
■ Geothermal - Open Major Stipulations (NSO)	■ Planning Area Extent
■ Geothermal - Open Moderate Stipulations (CSU and/or TL)	 State Boundaries
■ Geothermal - Open Standard Stipulations	

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.24a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Red

Dark Green

Non-Energy Leasable Minerals - Closed

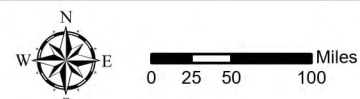
Non-Energy Leasable Minerals - Open

Dark Grey

White Box

Non-Habitat Management Areas in the Planning Area Extent

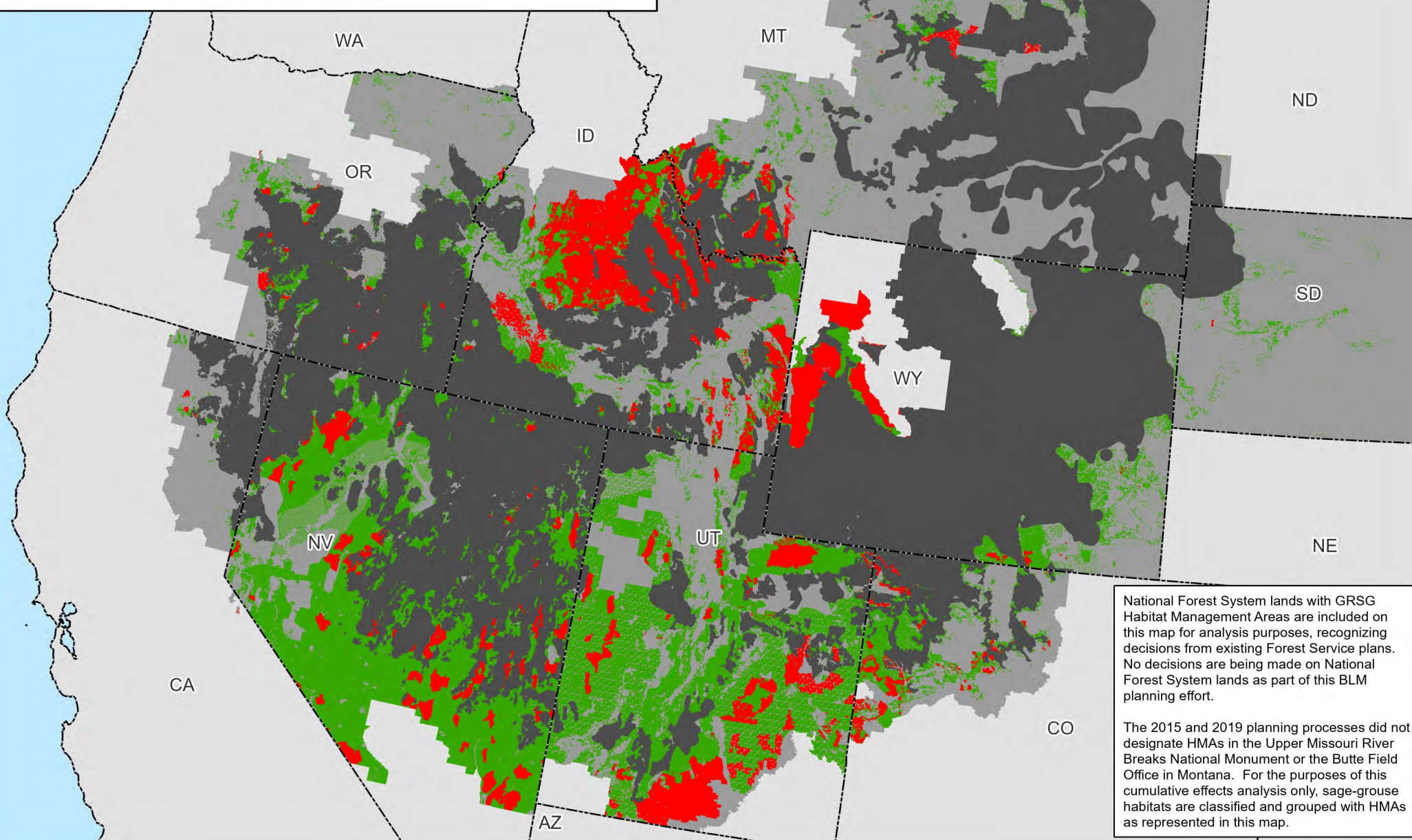
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

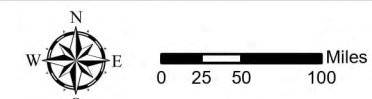
Map 2.24b



Legend

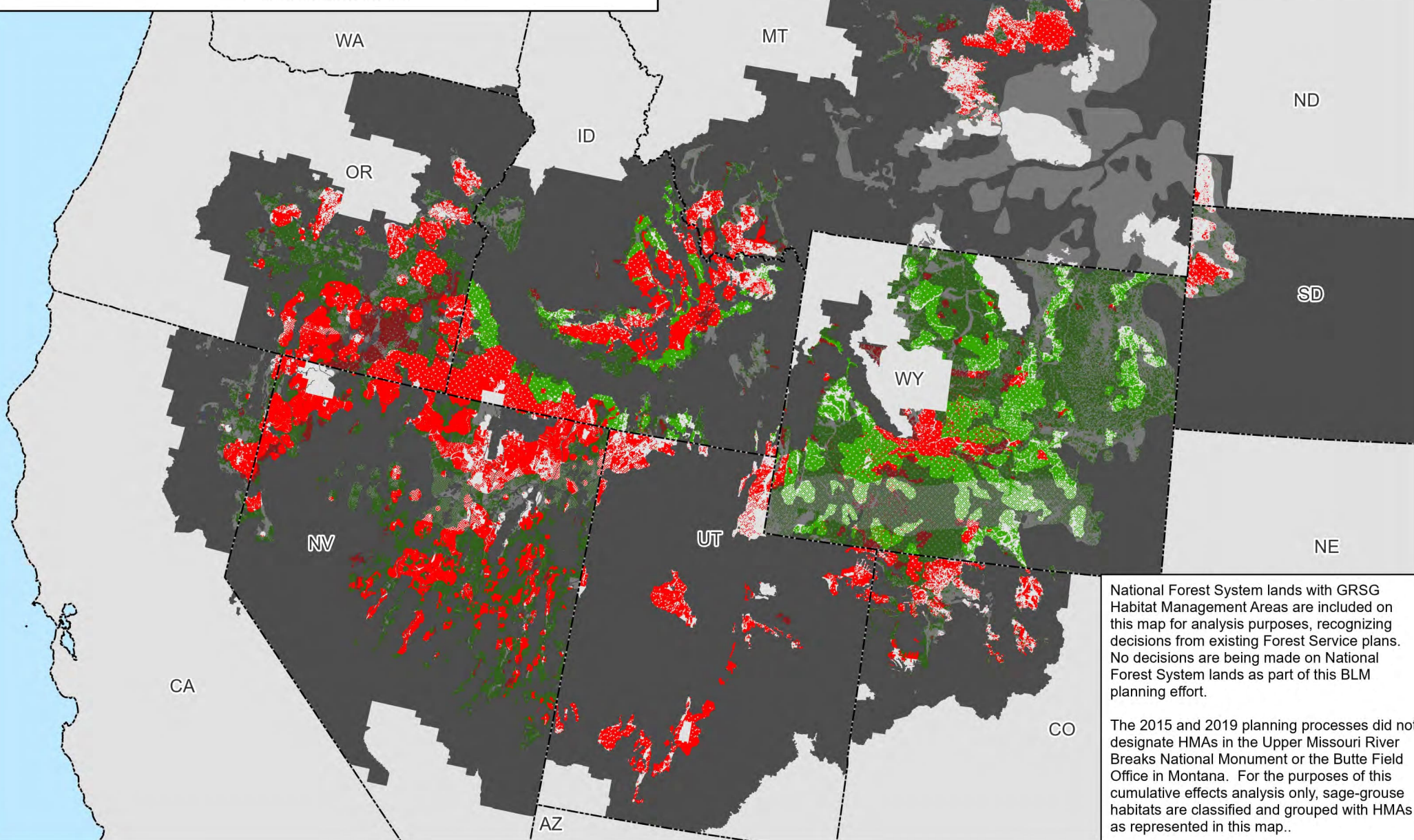
Non-Masked Areas: Outside GRSG Habitat Management Areas
Masked Areas: Within GRSG Habitat Management Areas

■ Non-Energy Leasable Minerals - Closed	■ GRSG Habitat Management Areas
■ Non-Energy Leasable Minerals - Open	■ Planning Area Extent
	 State Boundaries

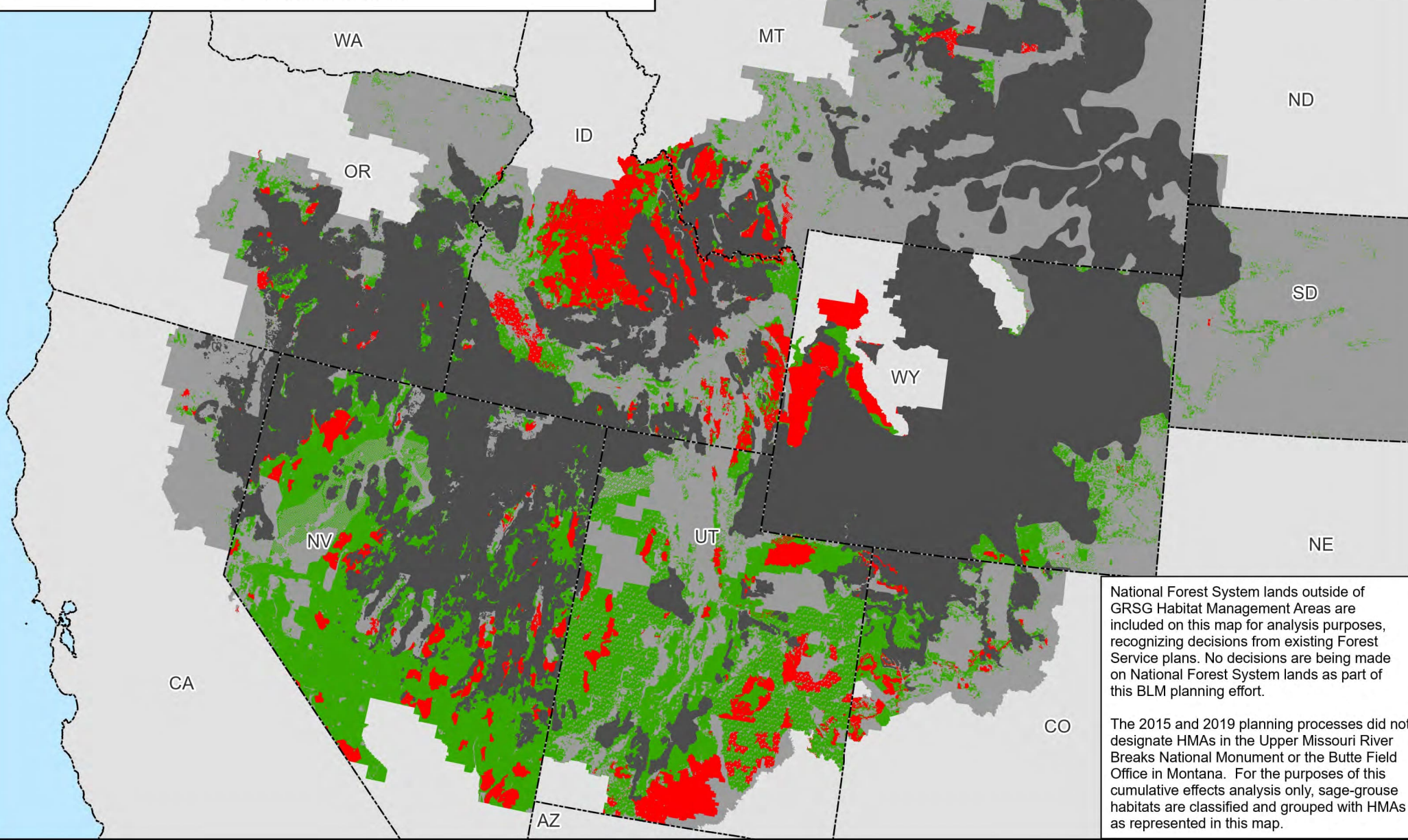


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 2



Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.25b



Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Non-Energy Leasable Minerals - Closed

Non-Energy Leasable Minerals - Open

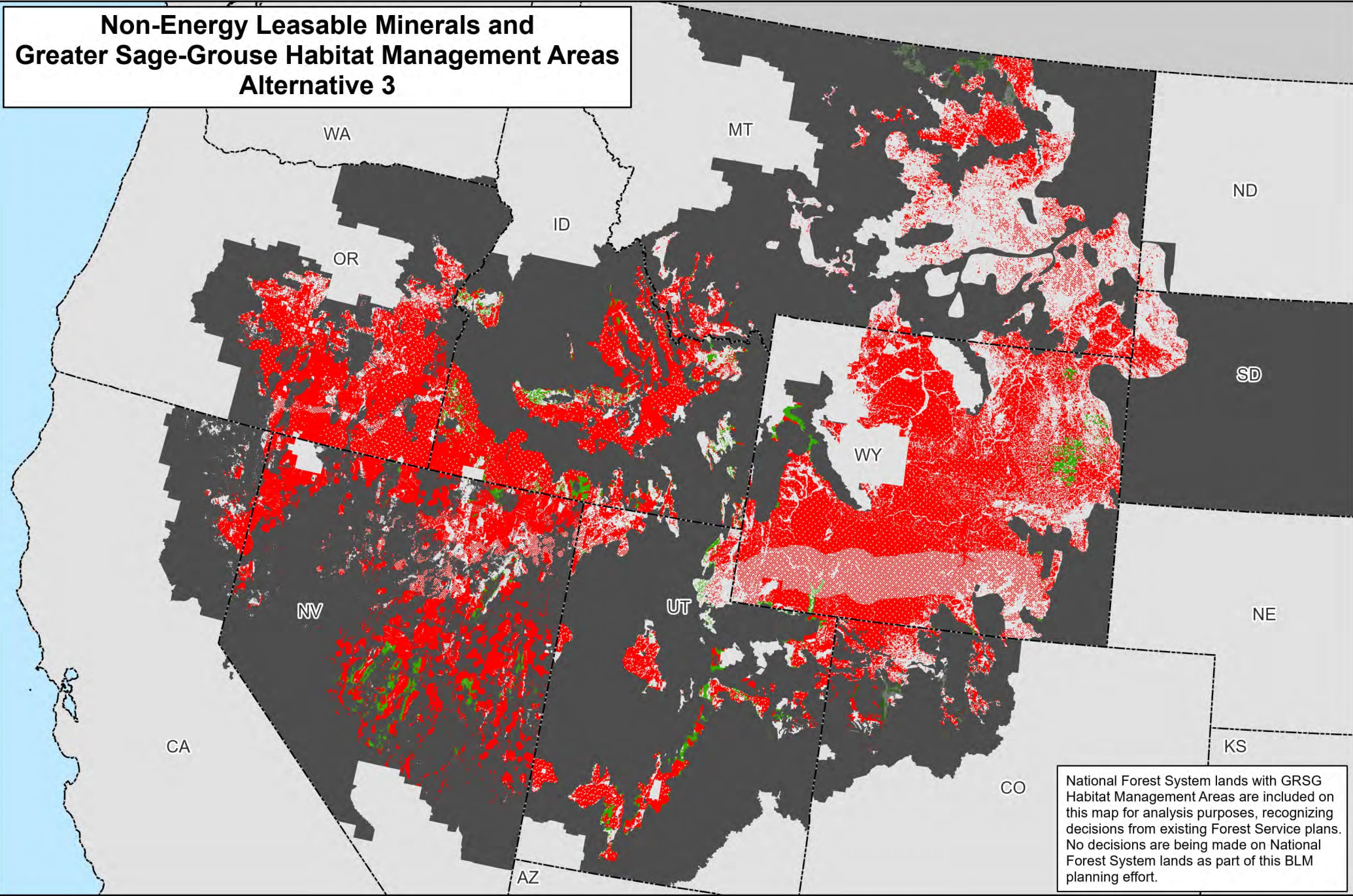
GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 3



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.26a

PHMAs

Adit HMAs

Non-Energy Leasable Minerals - Closed

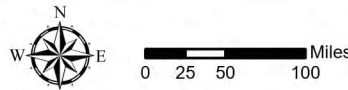
Non-Energy Leasable Minerals - Open

Non-Shaded Areas: PHMAs

Shaded Areas: Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

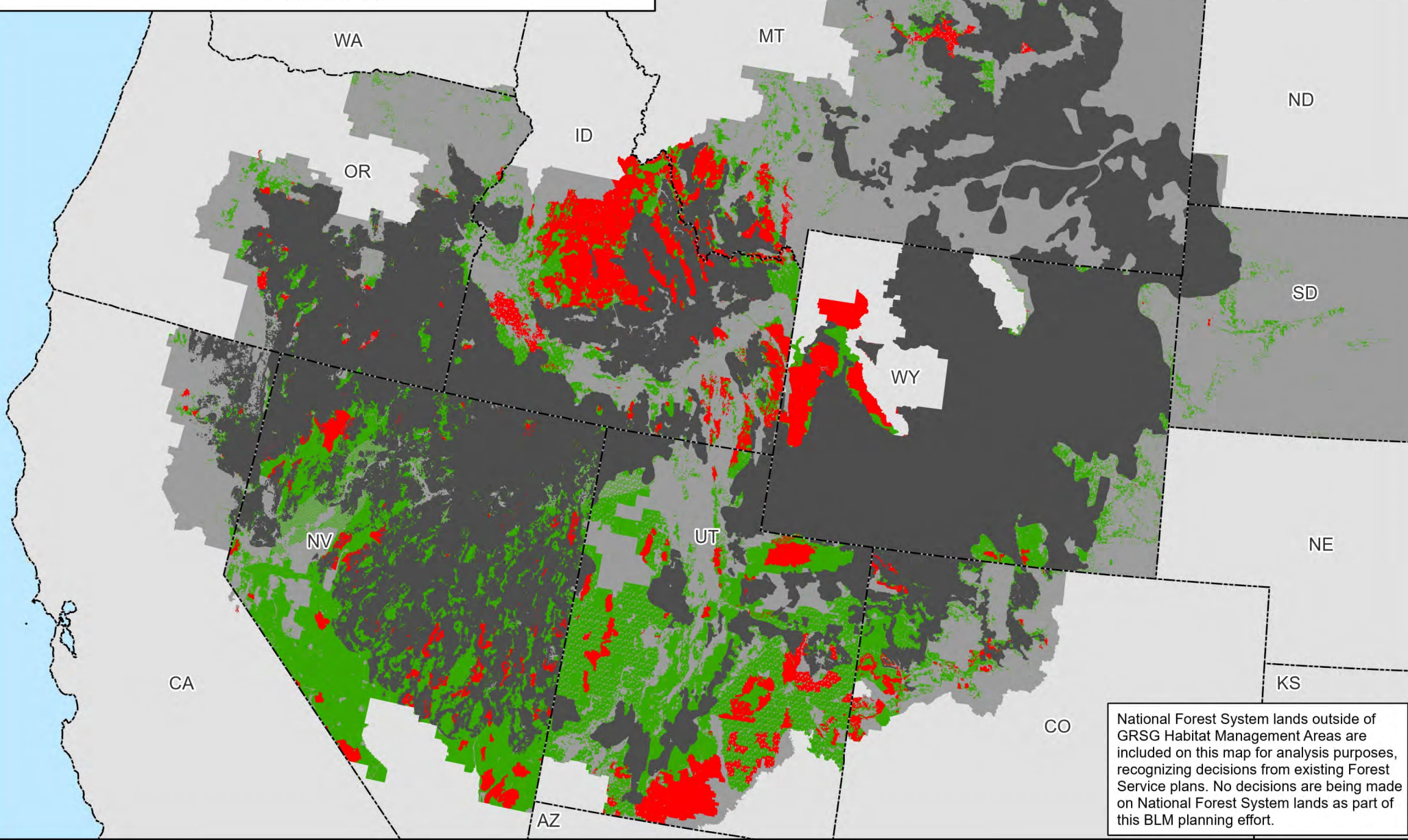
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.26b



Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

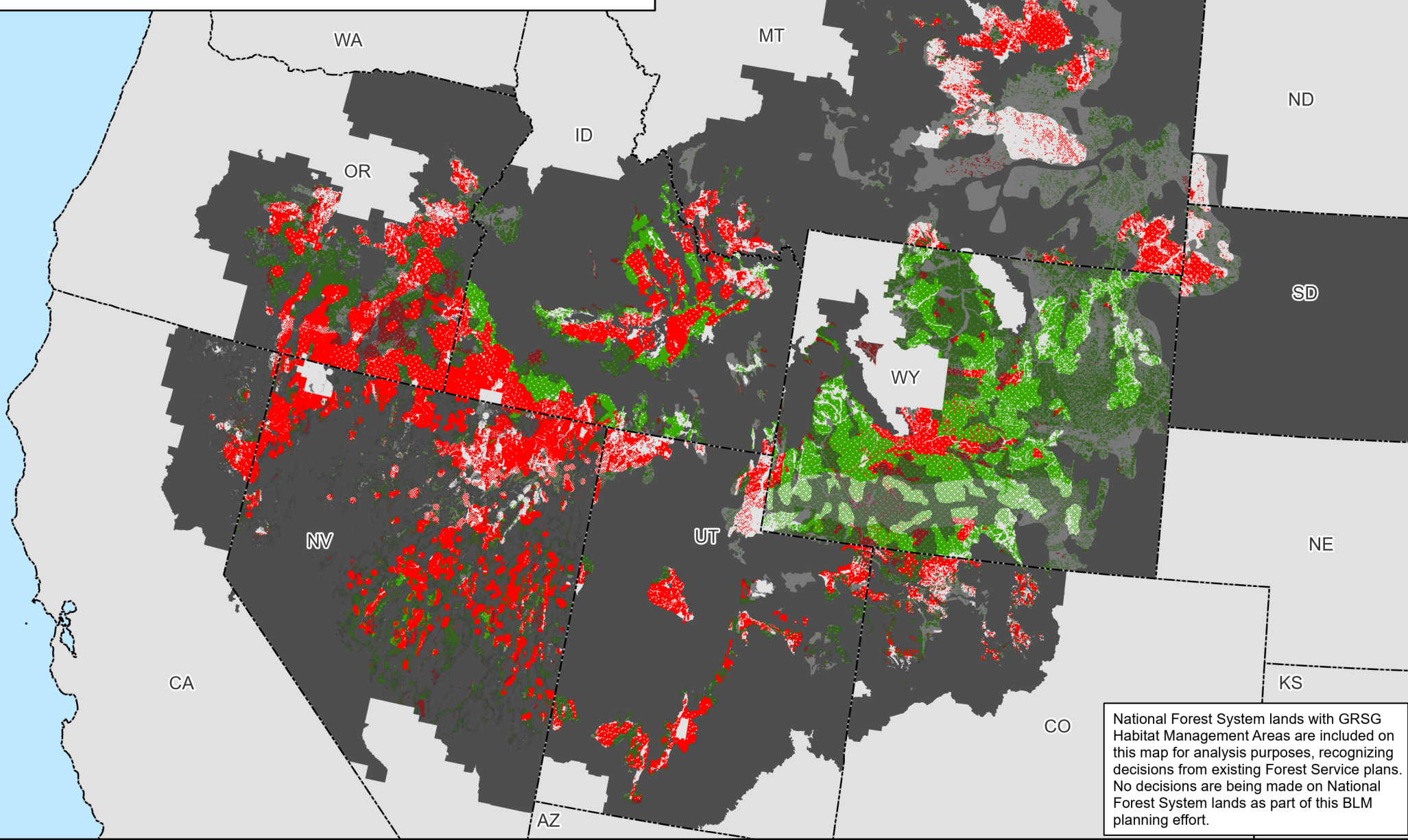
Masked Areas: Within GRSG Habitat Management Areas

■ Non-Energy Leasable Minerals - Closed	■ GRSG Habitat Management Areas
■ Non-Energy Leasable Minerals - Open	■ Planning Area Extent
	 State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.27a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Non-Energy Leasable Minerals - Closed

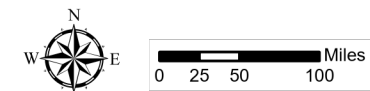
Non-Energy Leasable Minerals - Open

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

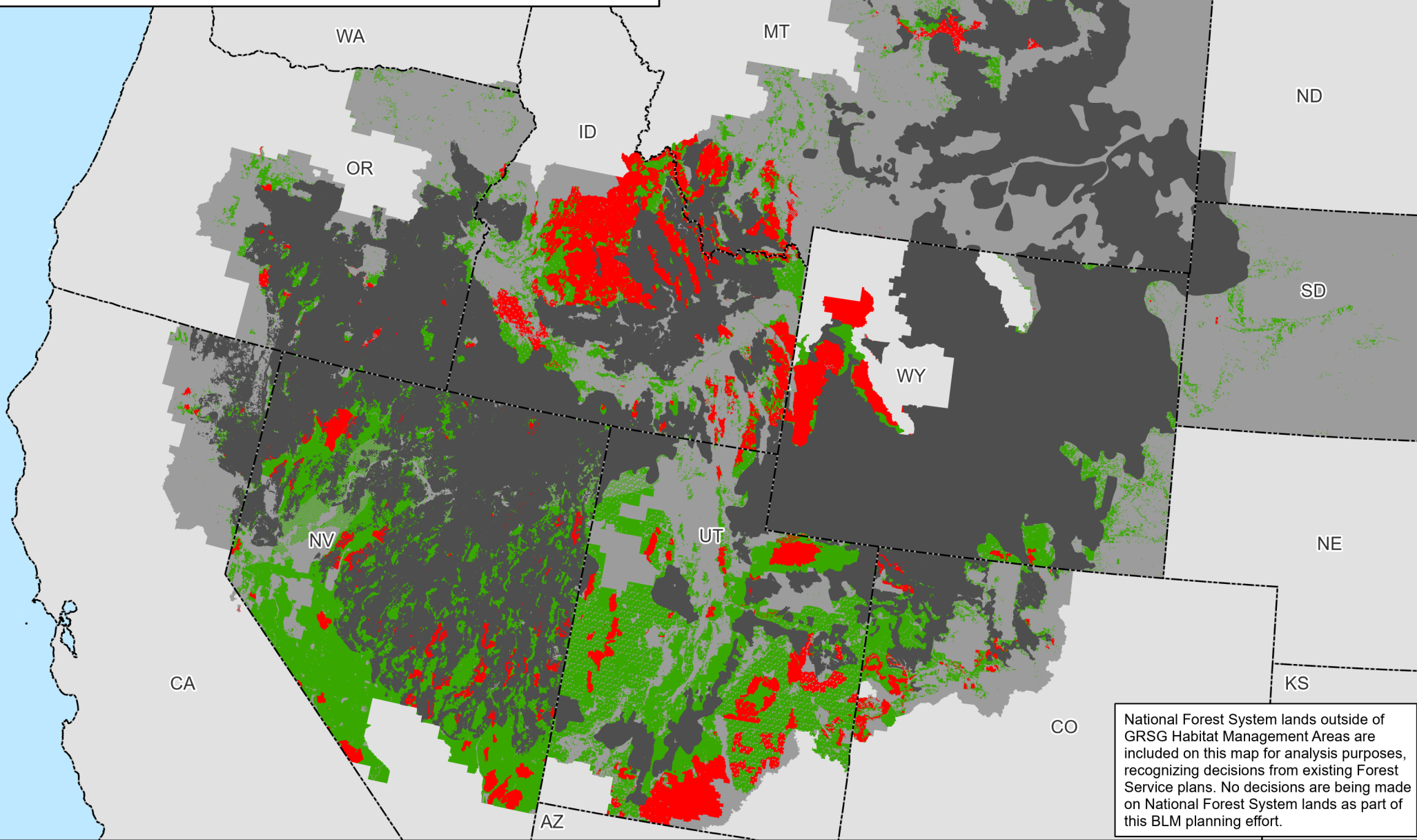
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.27b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

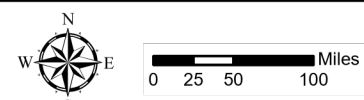
Non-Energy Leasable Minerals - Closed

Non-Energy Leasable Minerals - Open

GRSG Habitat Management Areas

Planning Area Extent

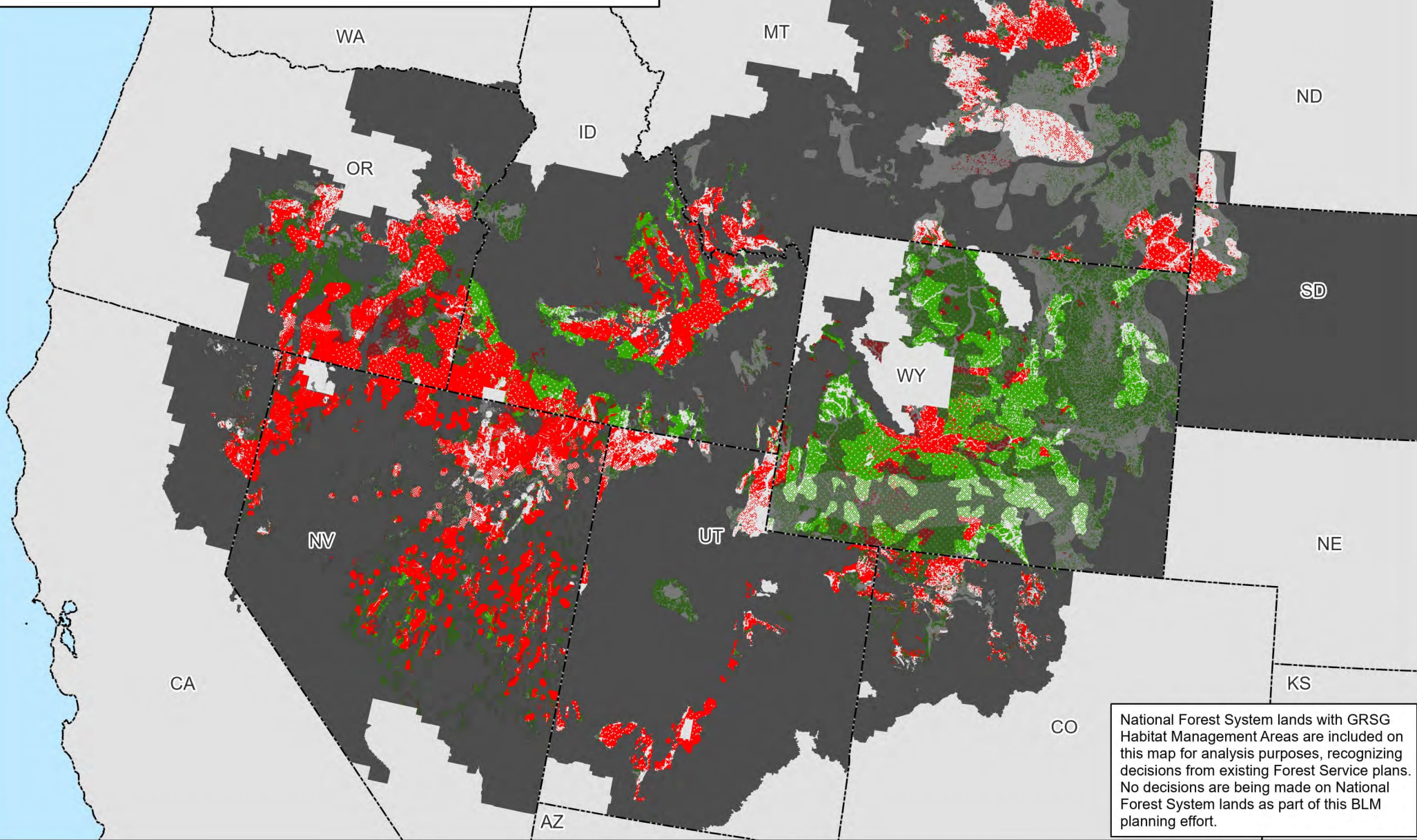
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

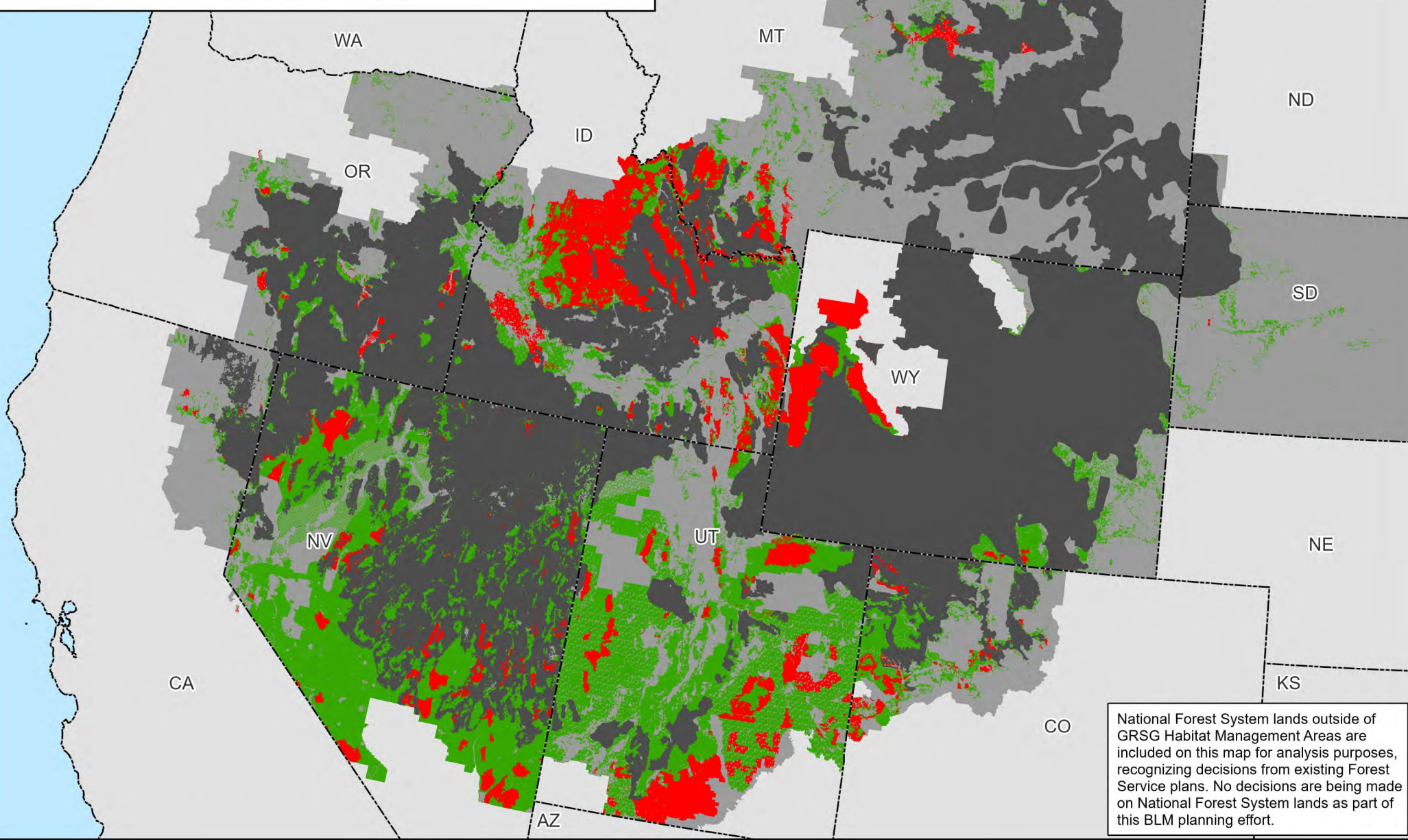


Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 5



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



Map 2.28b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

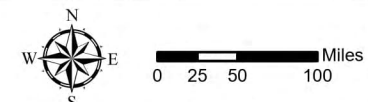
Non-Energy Leasable Minerals - Closed

Non-Energy Leasable Minerals - Open

GRSG Habitat Management Areas

Planning Area Extent

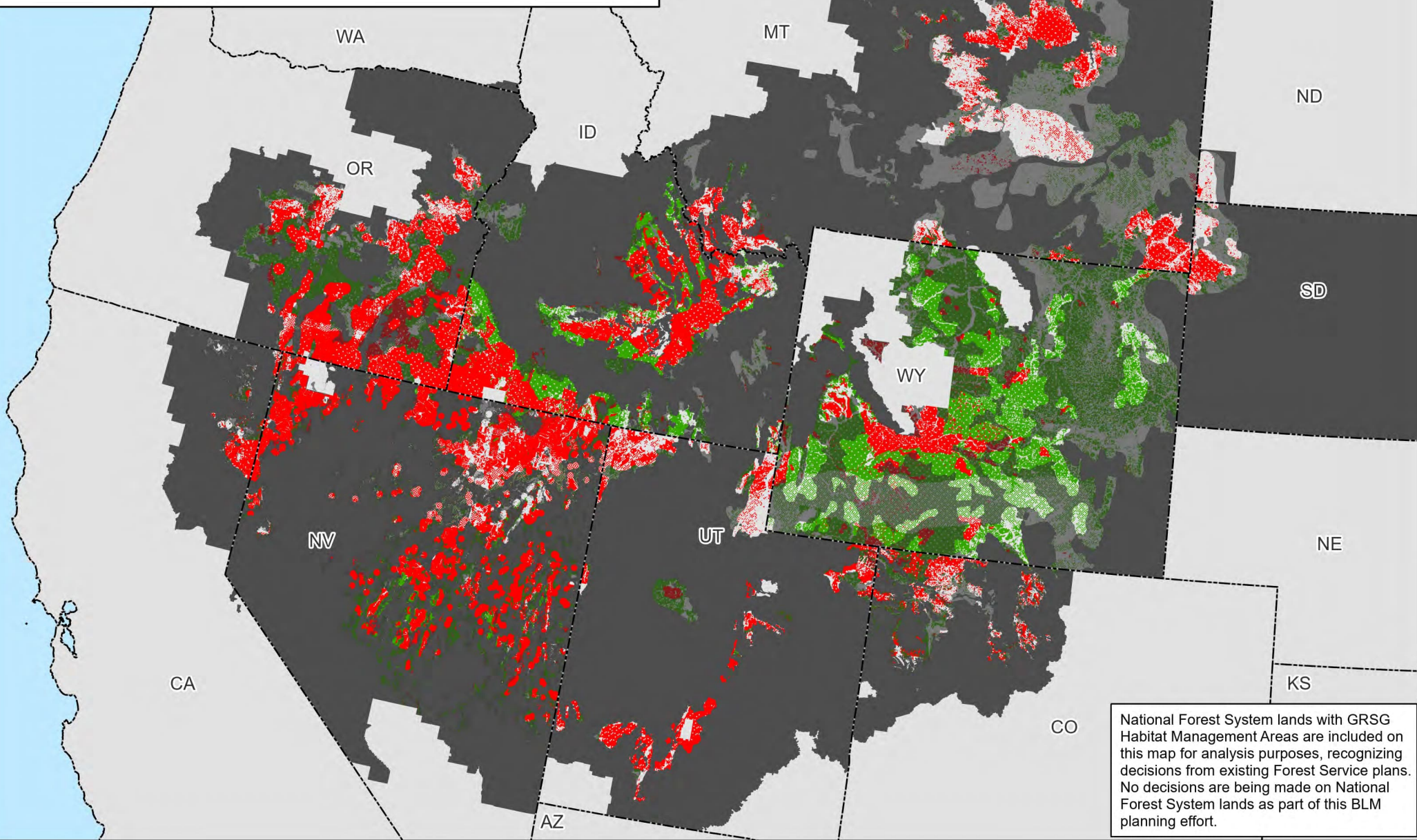
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 6










National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.


Map 2.29a

Legend

Non-Shaded Areas: PHMAs/IHMAs
Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

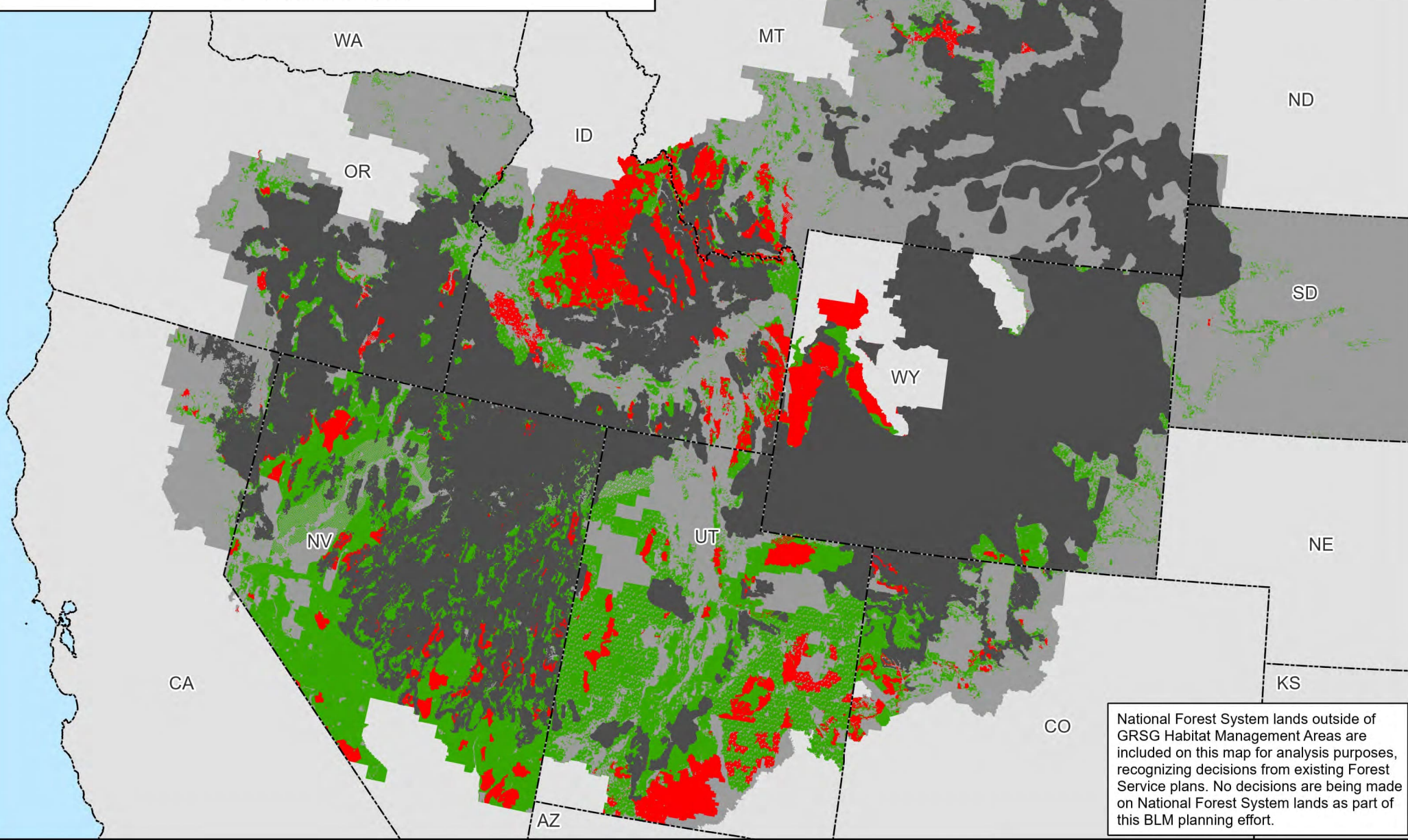
 PHMAs / IHMAs	 GHMAs / Addtl HMAs	 Non-Energy Leasable Minerals - Closed	 Non-Habitat Management Areas in the Planning Area Extent
 Non-Energy Leasable Minerals - Open	 Non-Energy Leasable Minerals - Open	 State Boundaries	



0 25 50 100 Miles

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



Map 2.29b



Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Non-Energy Leasable Minerals - Closed

Non-Energy Leasable Minerals - Open

GRSG Habitat Management Areas

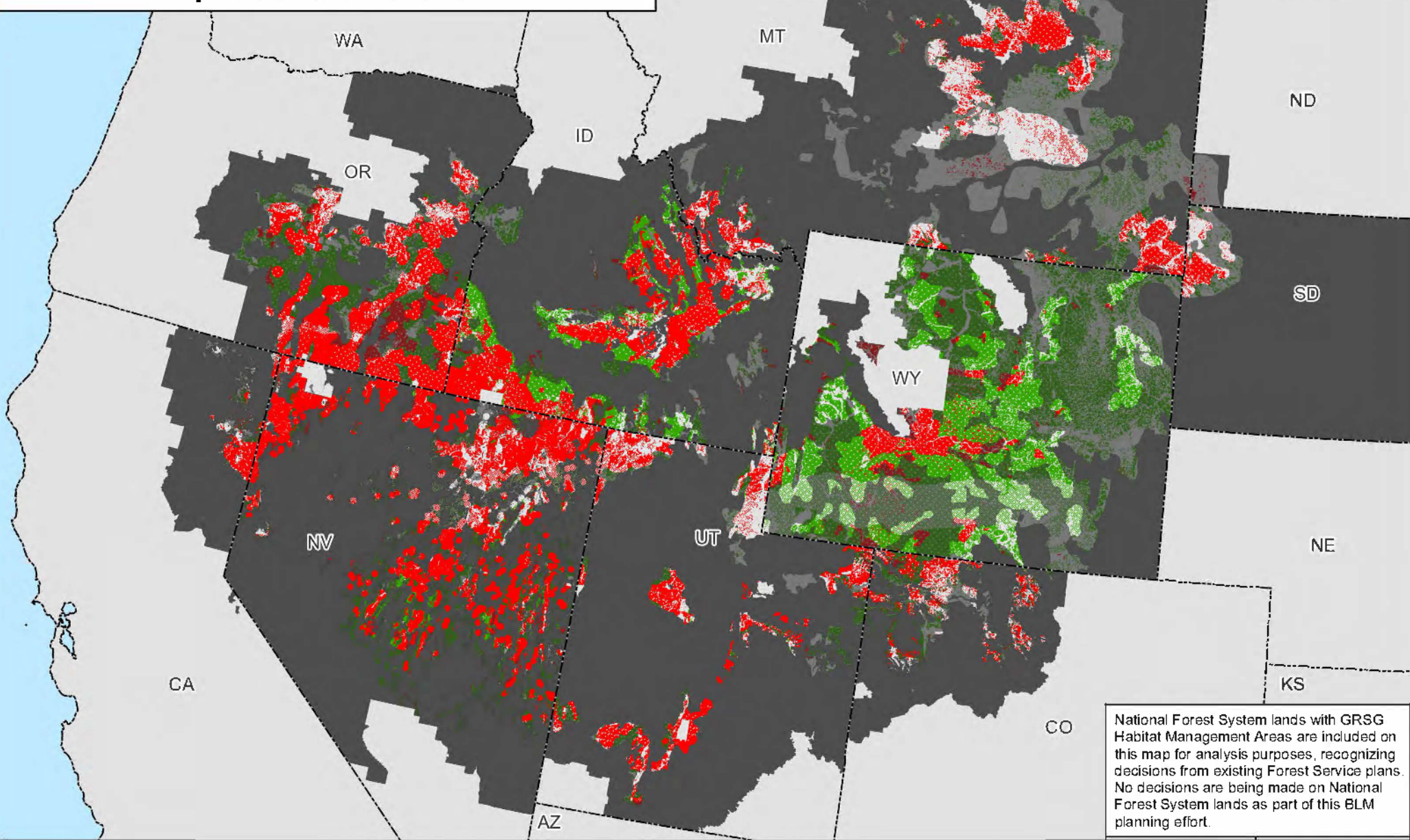
Planning Area Extent

State Boundaries

0 25 50 100 Miles

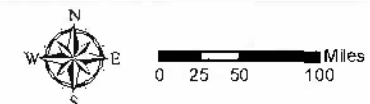
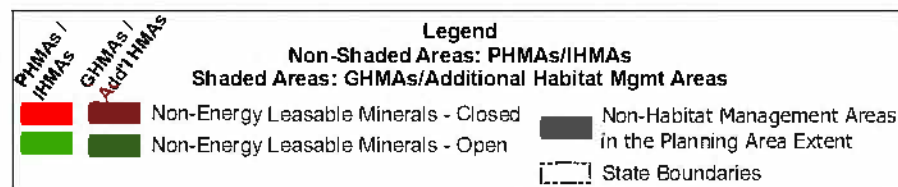
No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals and Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



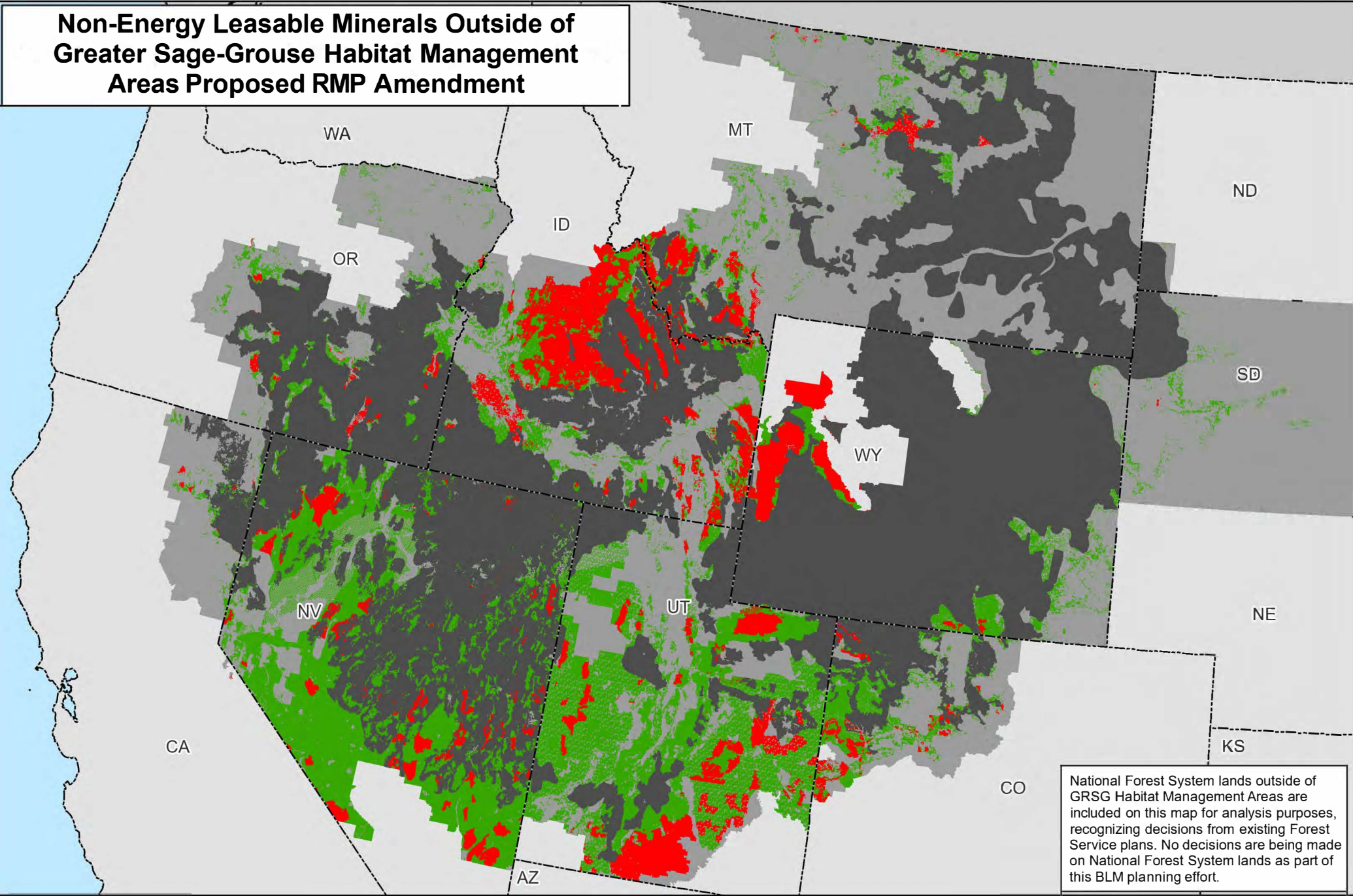
National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.30a



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Non-Energy Leasable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.30b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Non-Energy Leasable Minerals - Closed

Non-Energy Leasable Minerals - Open

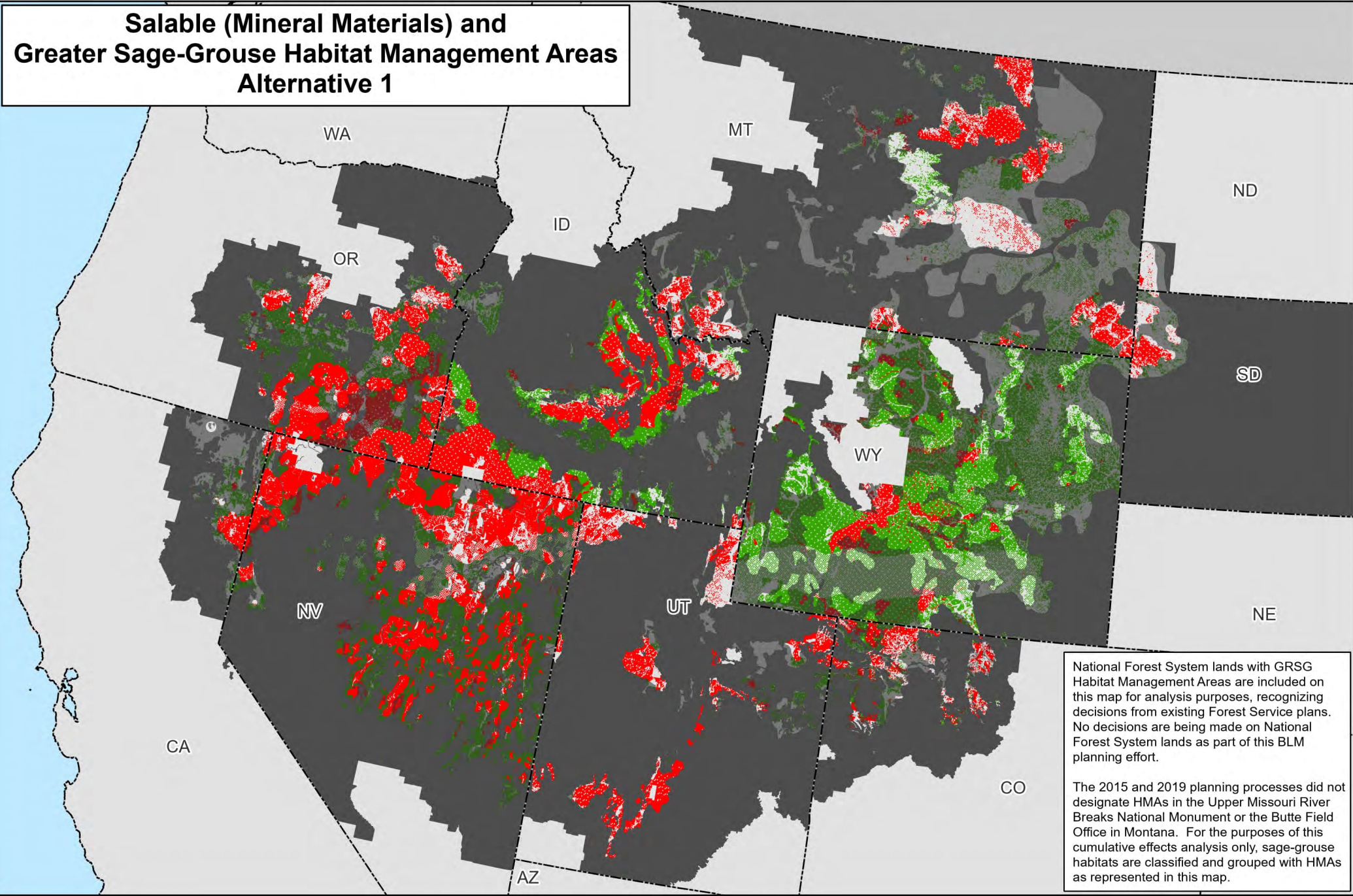
GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.31a

PHIMAs / IHIMAs

GHIMAs / Add'l HMAs

Legend

Non-Shaded Areas: PHIMAs/IHIMAs

Shaded Areas: GHIMAs/Additional Habitat Mgmt Areas

Salable (Mineral Materials) - Closed

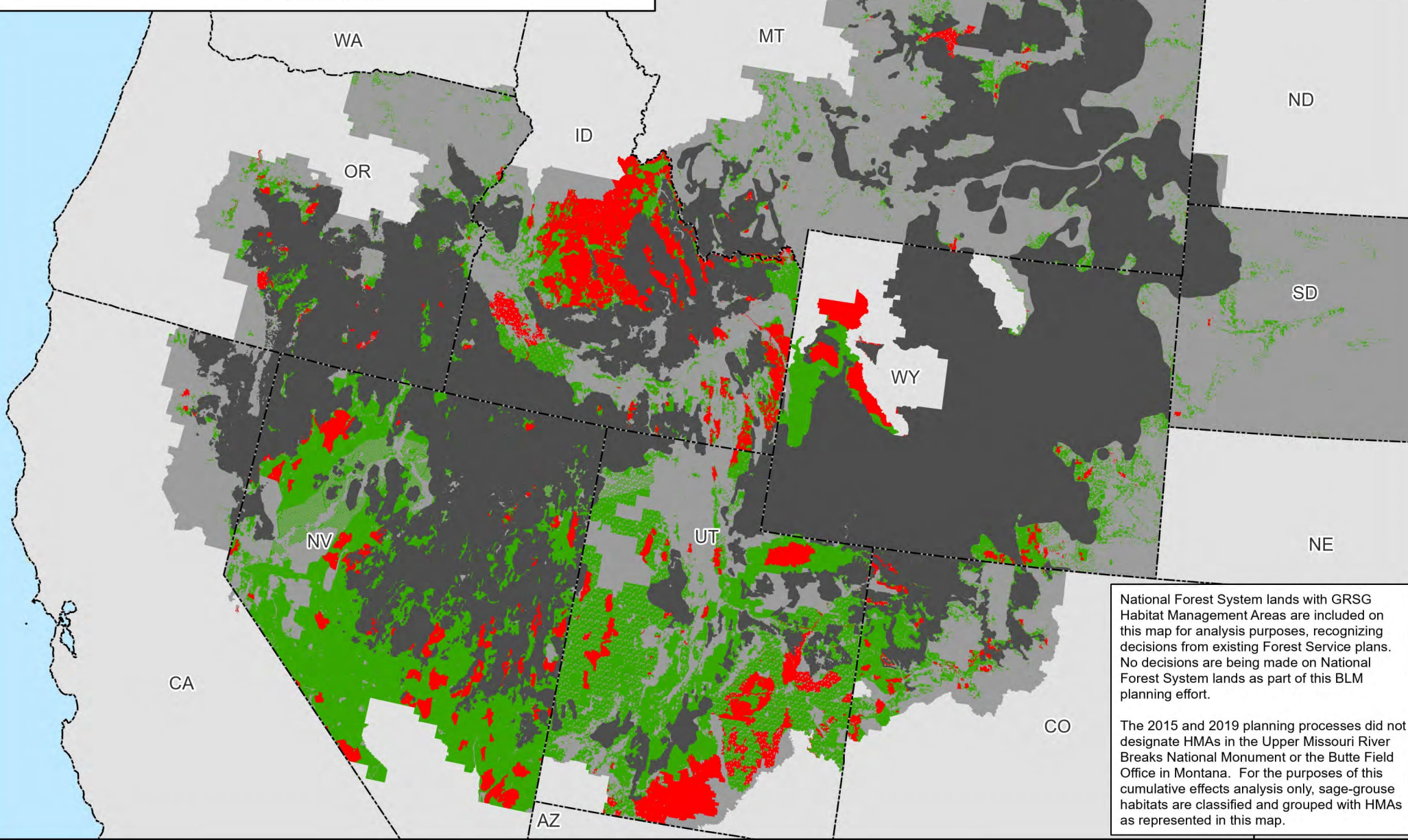
Salable (Mineral Materials) - Open

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.31b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

GRSG Habitat Management Areas

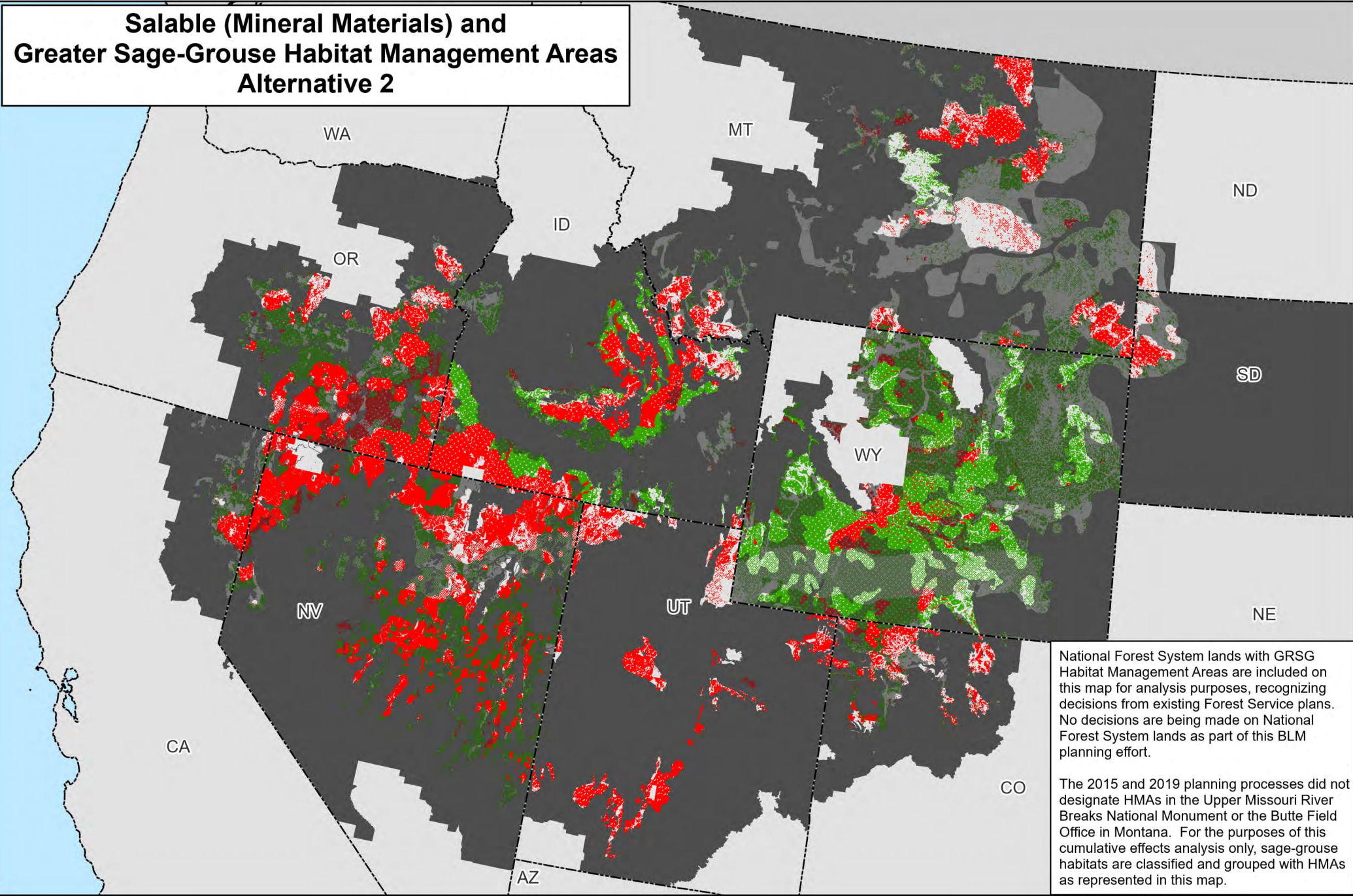
Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



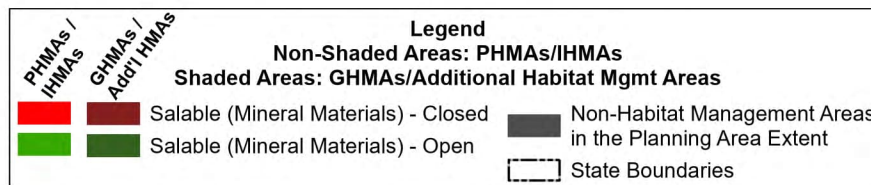
Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

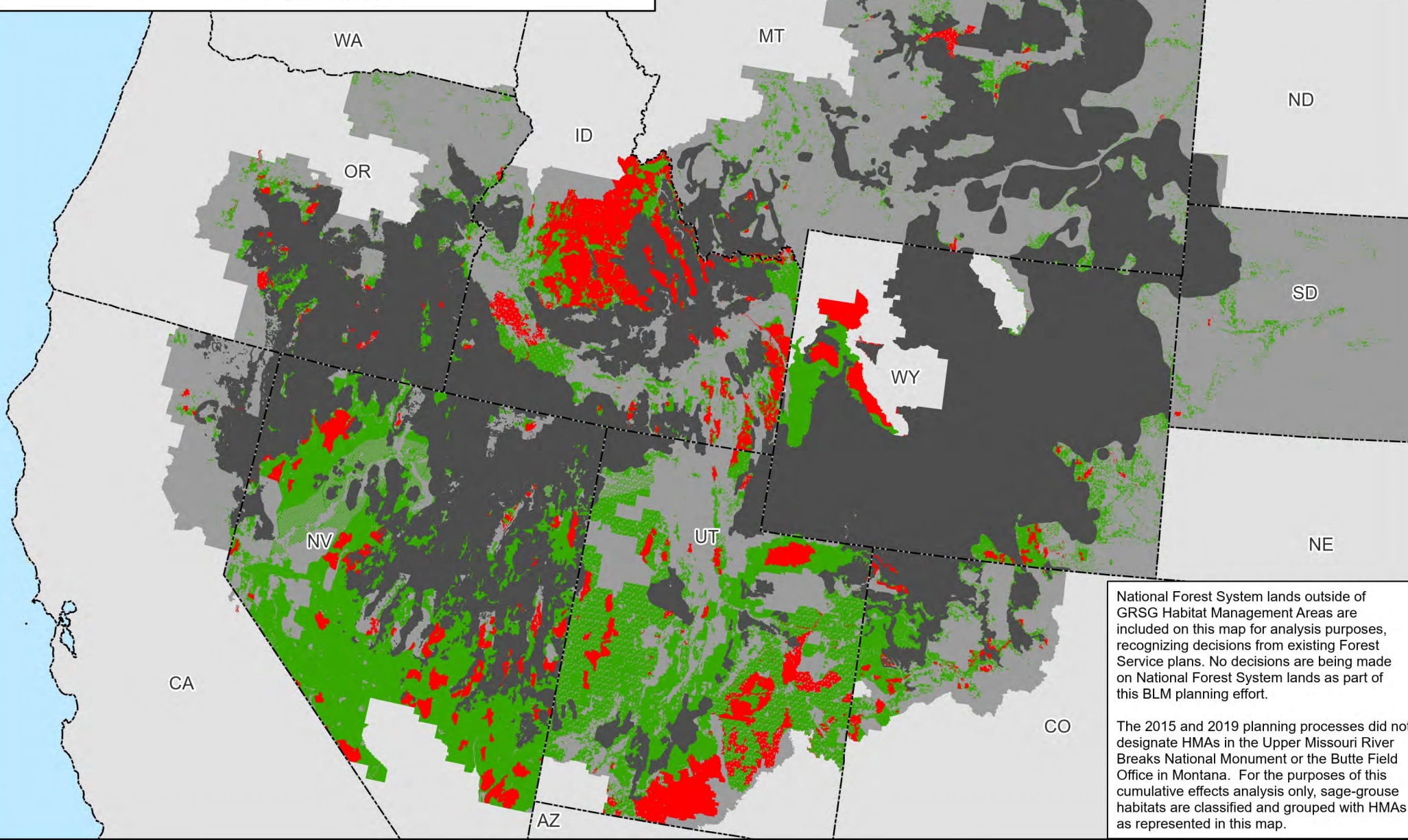
The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.32a



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.32b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

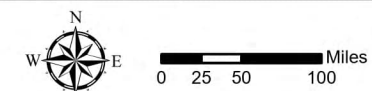
Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

GRSG Habitat Management Areas

Planning Area Extent

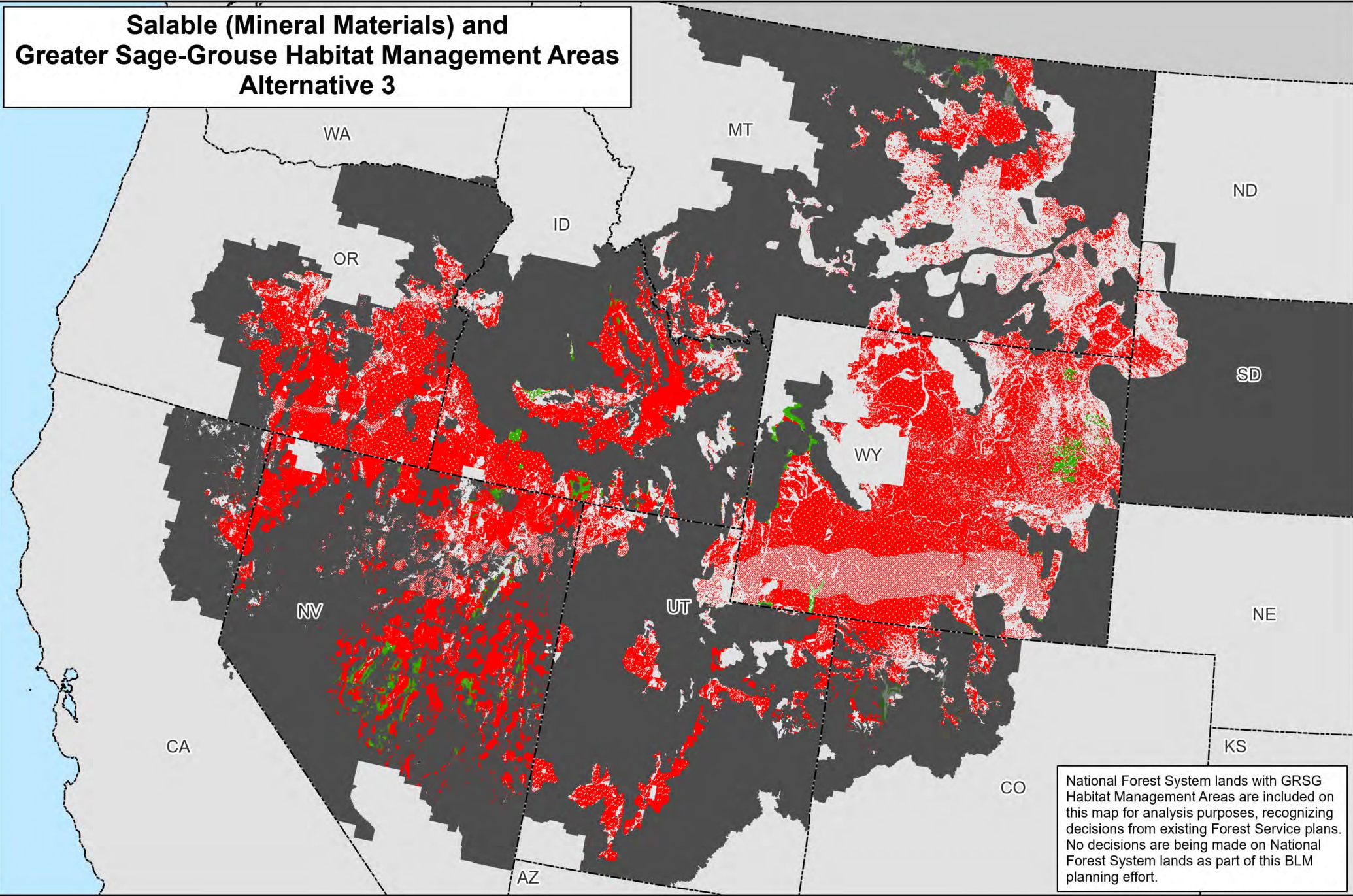
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Alternative 3



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.33a

PHMAs

Add'l HMAs

Legend

Non-Shaded Areas: PHMAs

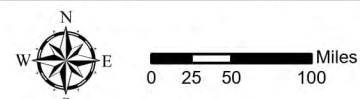
Shaded Areas: Additional Habitat Mgmt Areas

Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

Non-Habitat Management Areas in the Planning Area Extent

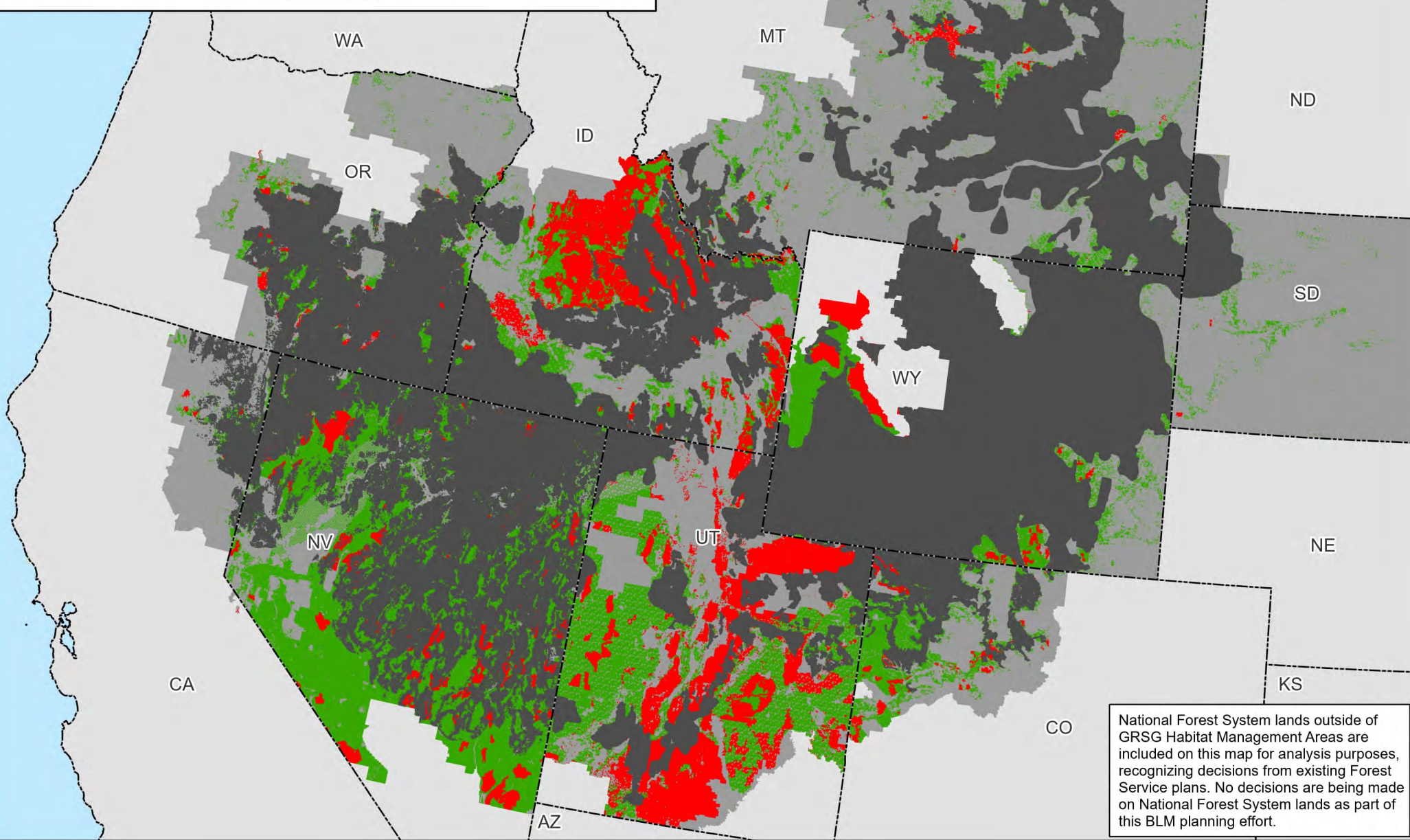
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.33b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

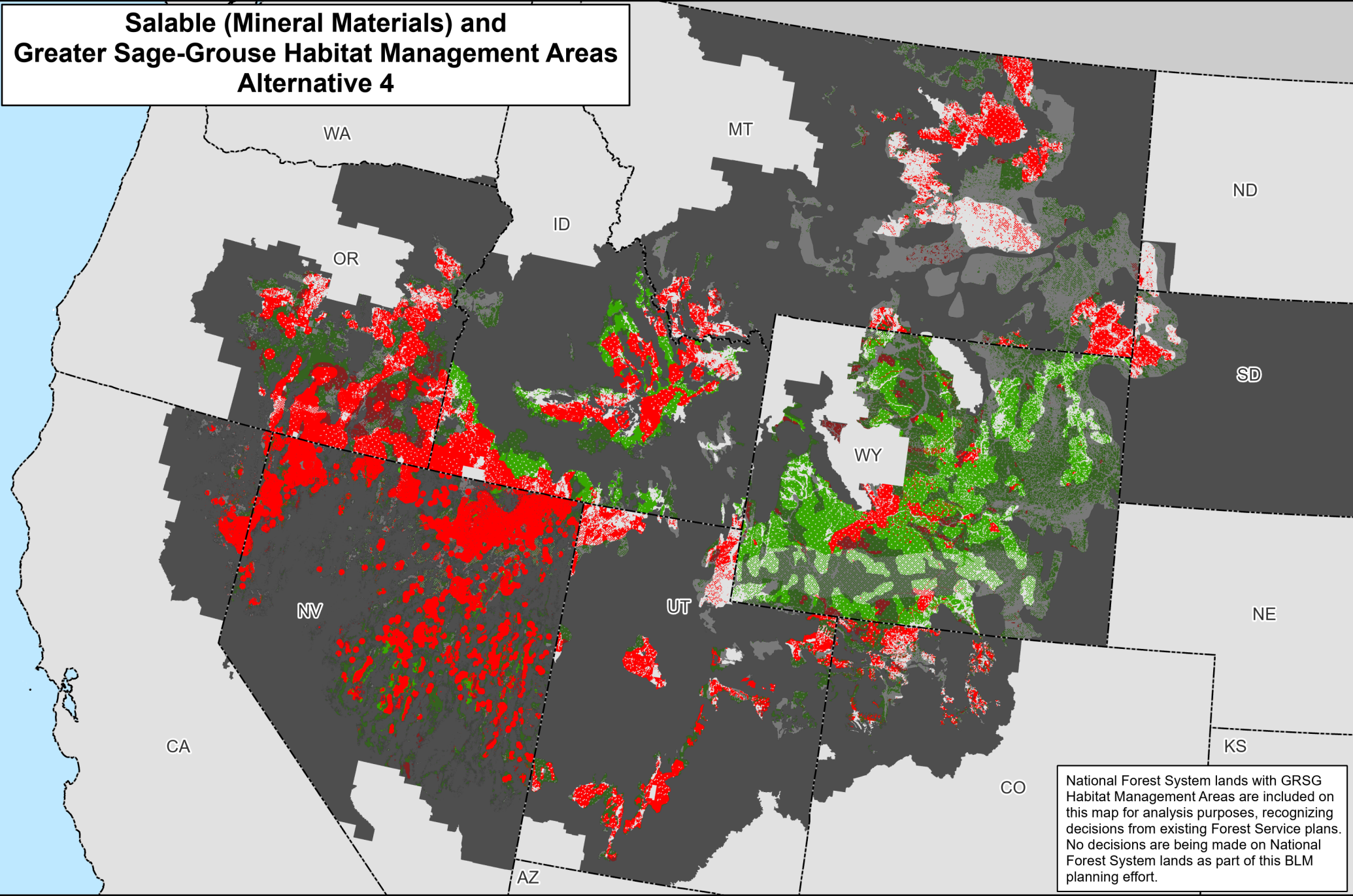
GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.34a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Salable (Mineral Materials) - Closed

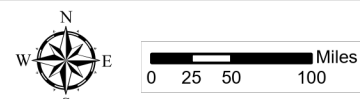
Salable (Mineral Materials) - Open

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

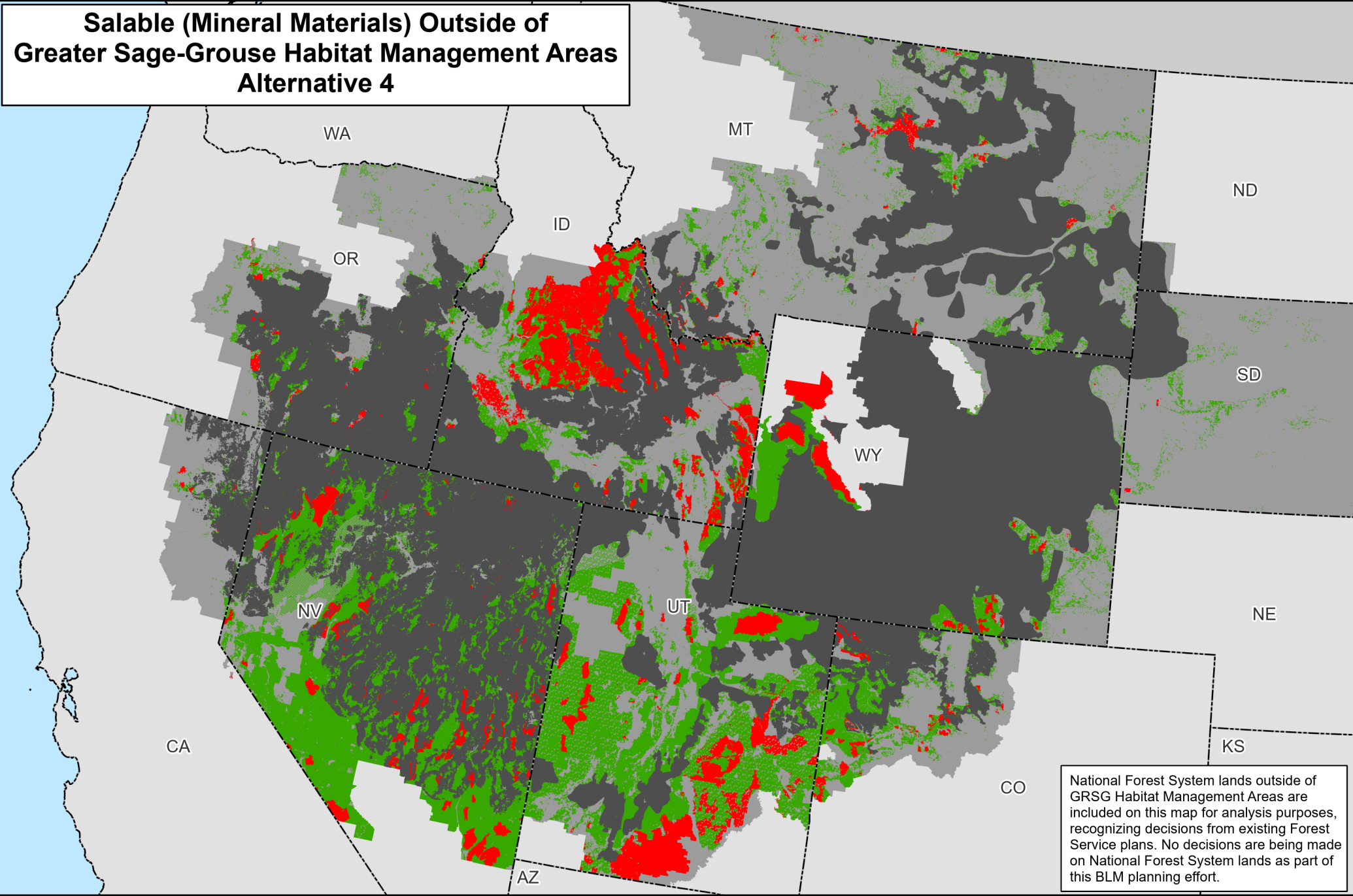
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.34b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

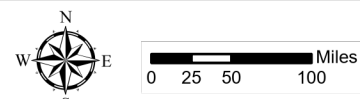
Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

GRSG Habitat Management Areas

Planning Area Extent

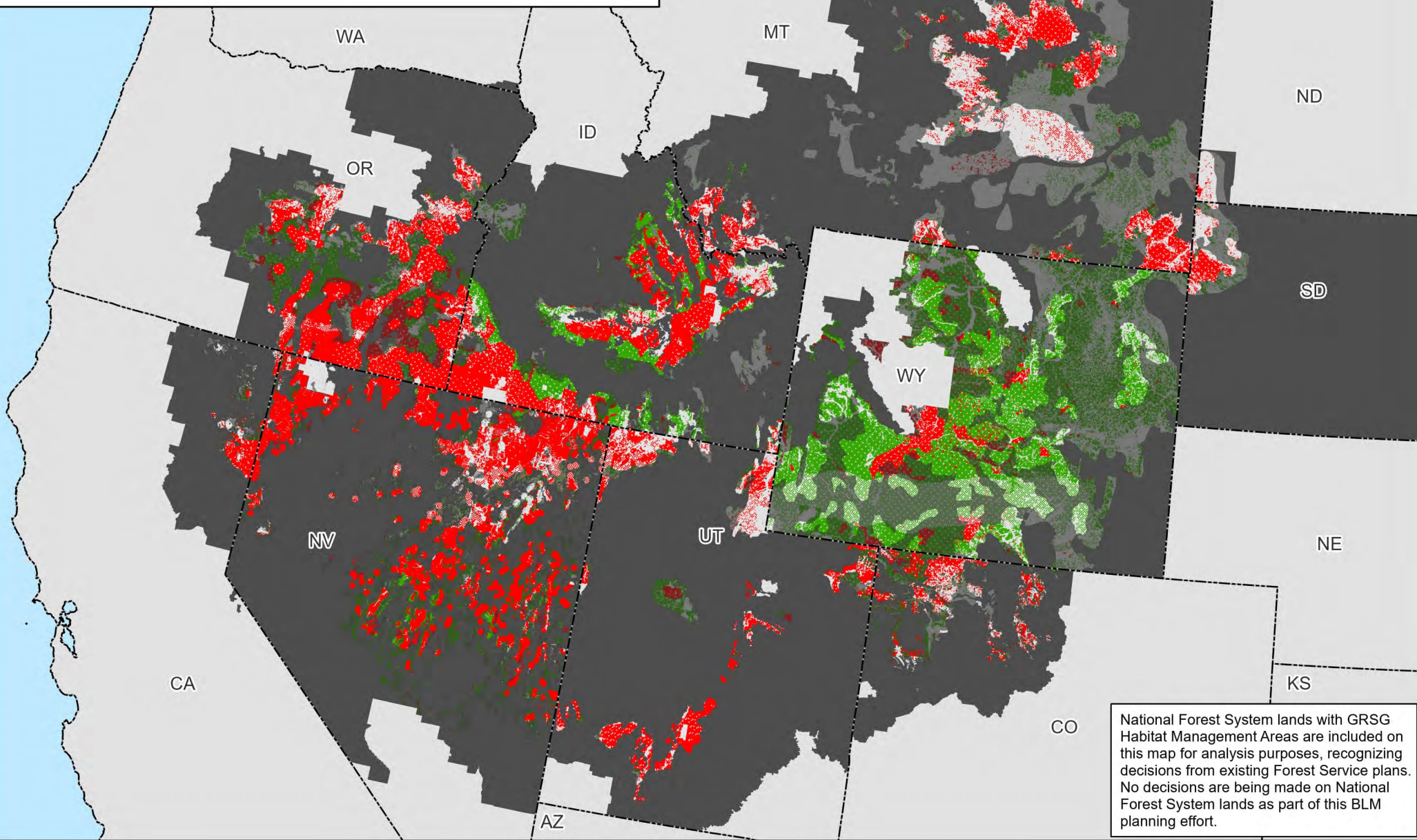
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

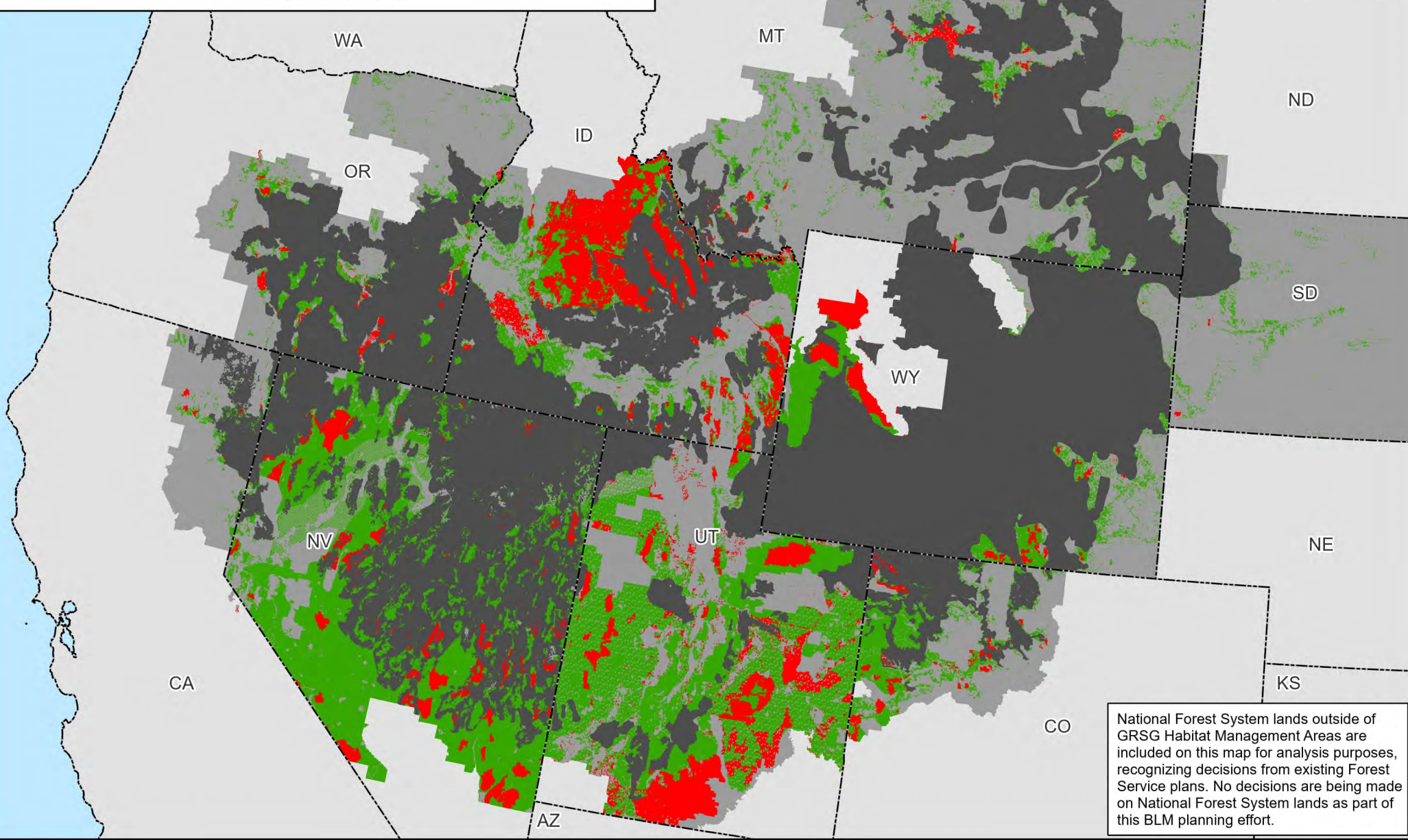


Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Alternative 5



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



Map 2.35b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

GRSG Habitat Management Areas

Planning Area Extent

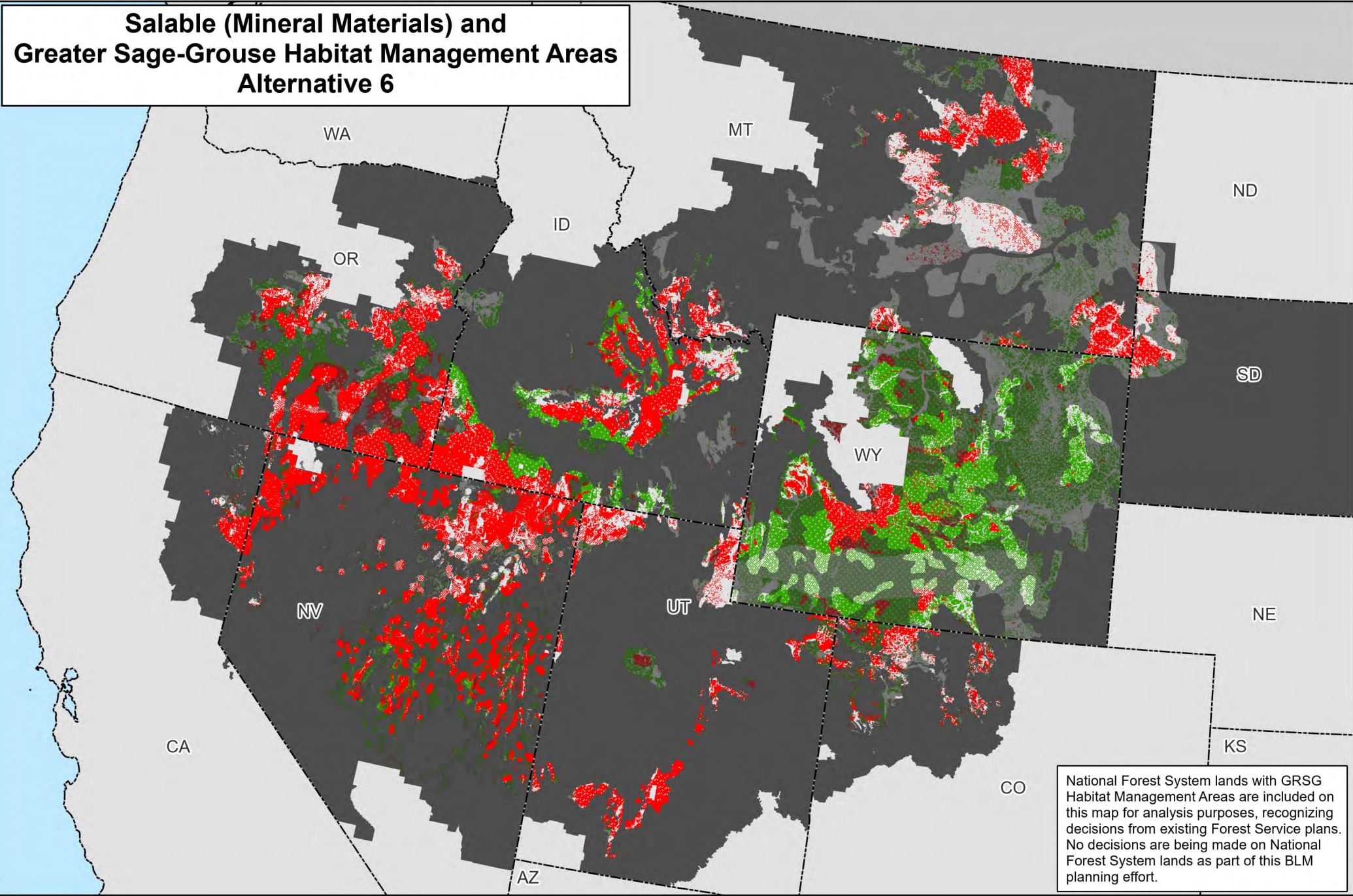
State Boundaries



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Alternative 6



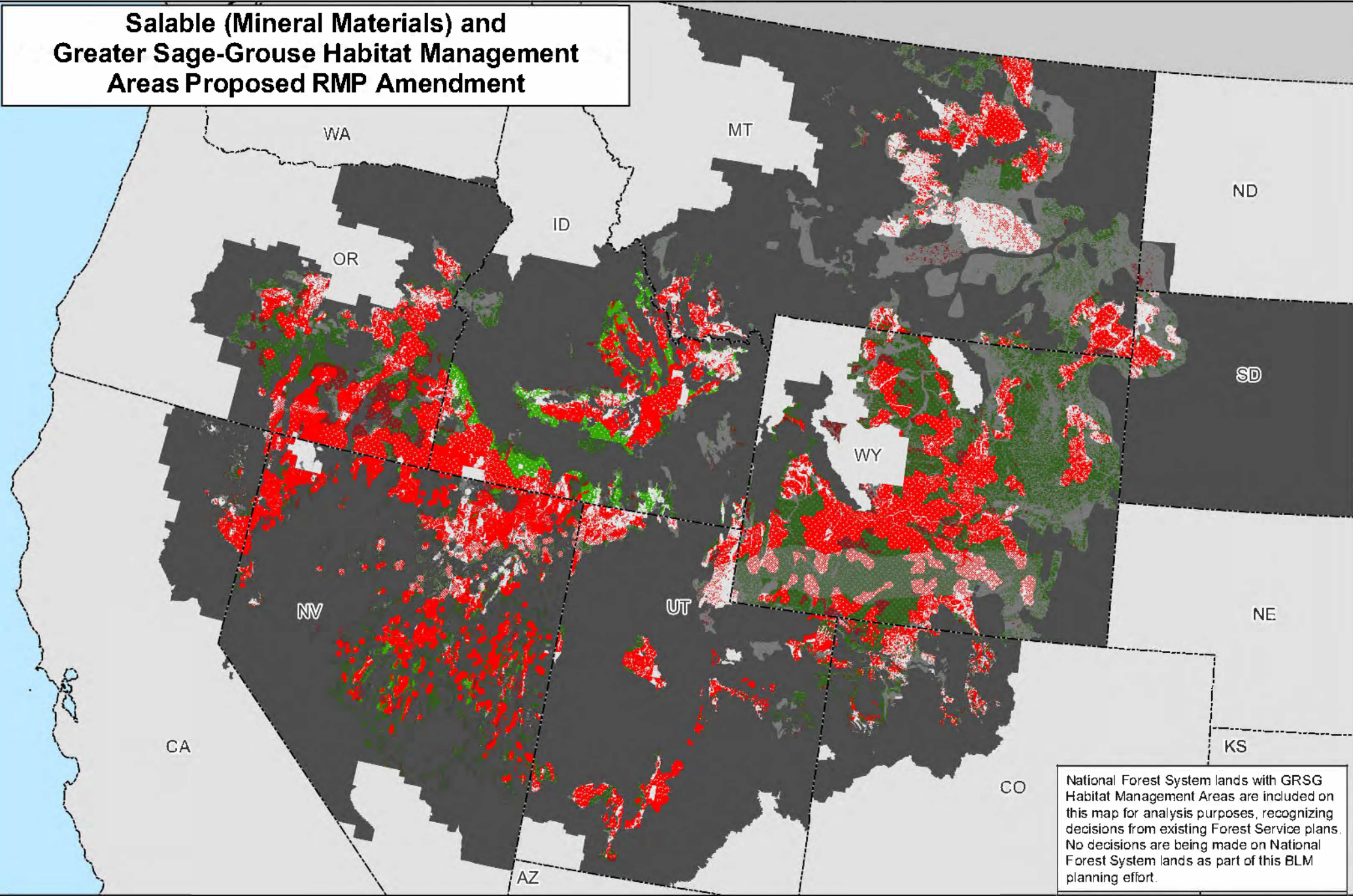
Map 2.36a



N
W E
S
0 25 50 100 Miles

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) and Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.37a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Legend

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Red

Salable (Mineral Materials) - Closed

Green

Salable (Mineral Materials) - Open

Dark Grey

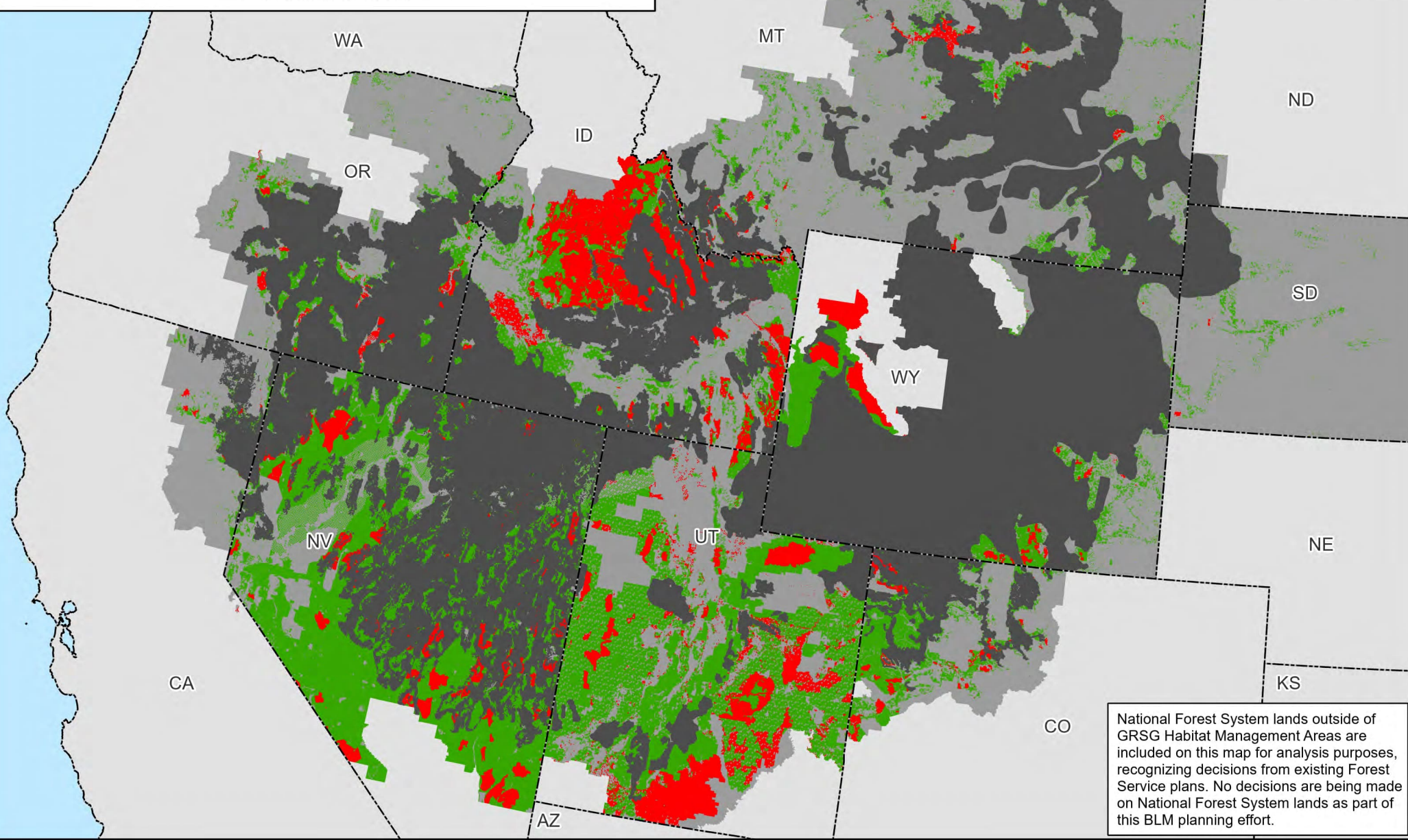
Non-Habitat Management Areas in the Planning Area Extent

Dashed Line

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.36b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Salable (Mineral Materials) - Closed

Salable (Mineral Materials) - Open

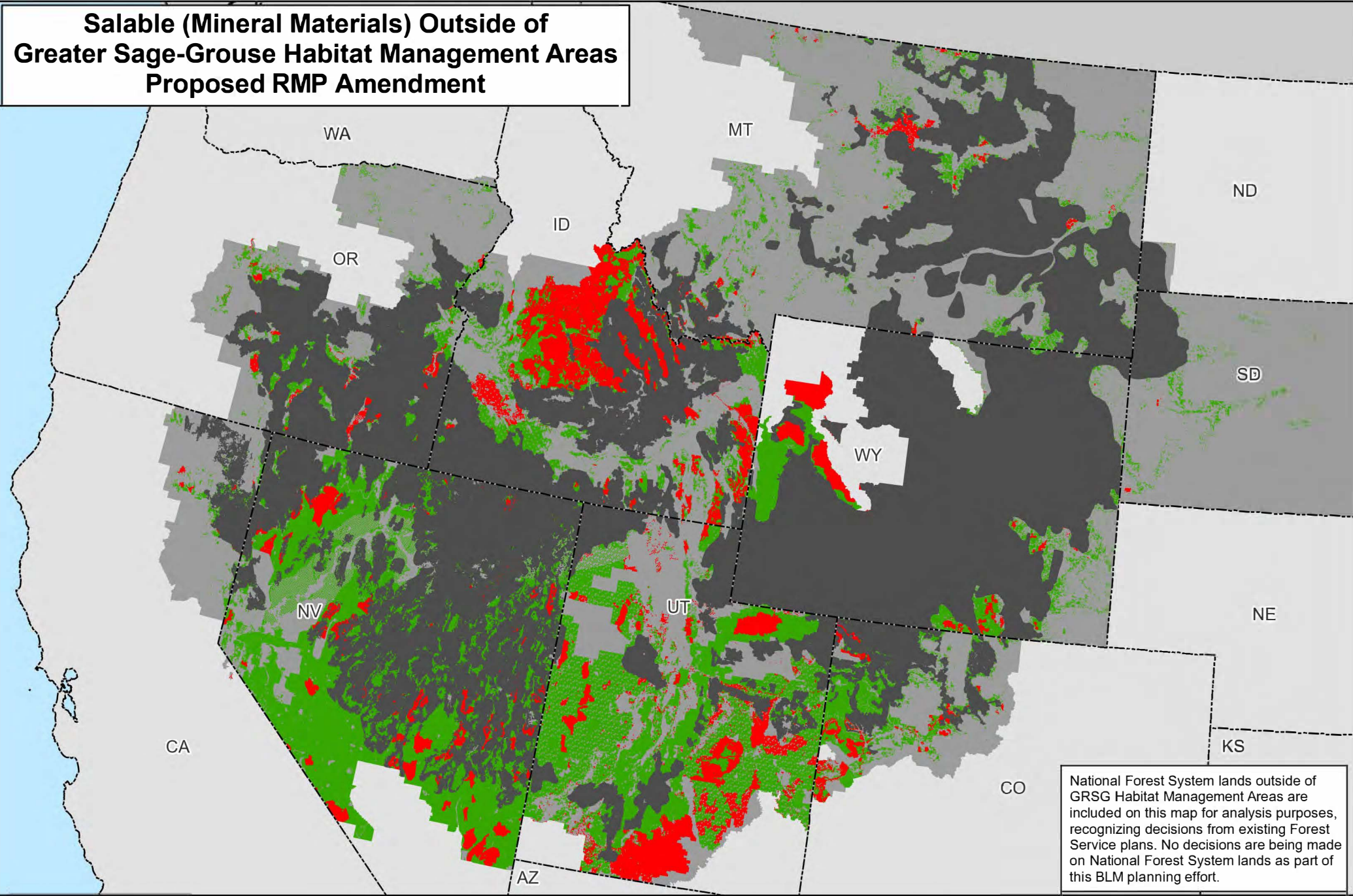
GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Salable (Mineral Materials) Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.37b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

■ Salable (Mineral Materials) - Closed

■ Salable (Mineral Materials) - Open

■ GRSG Habitat Management Areas

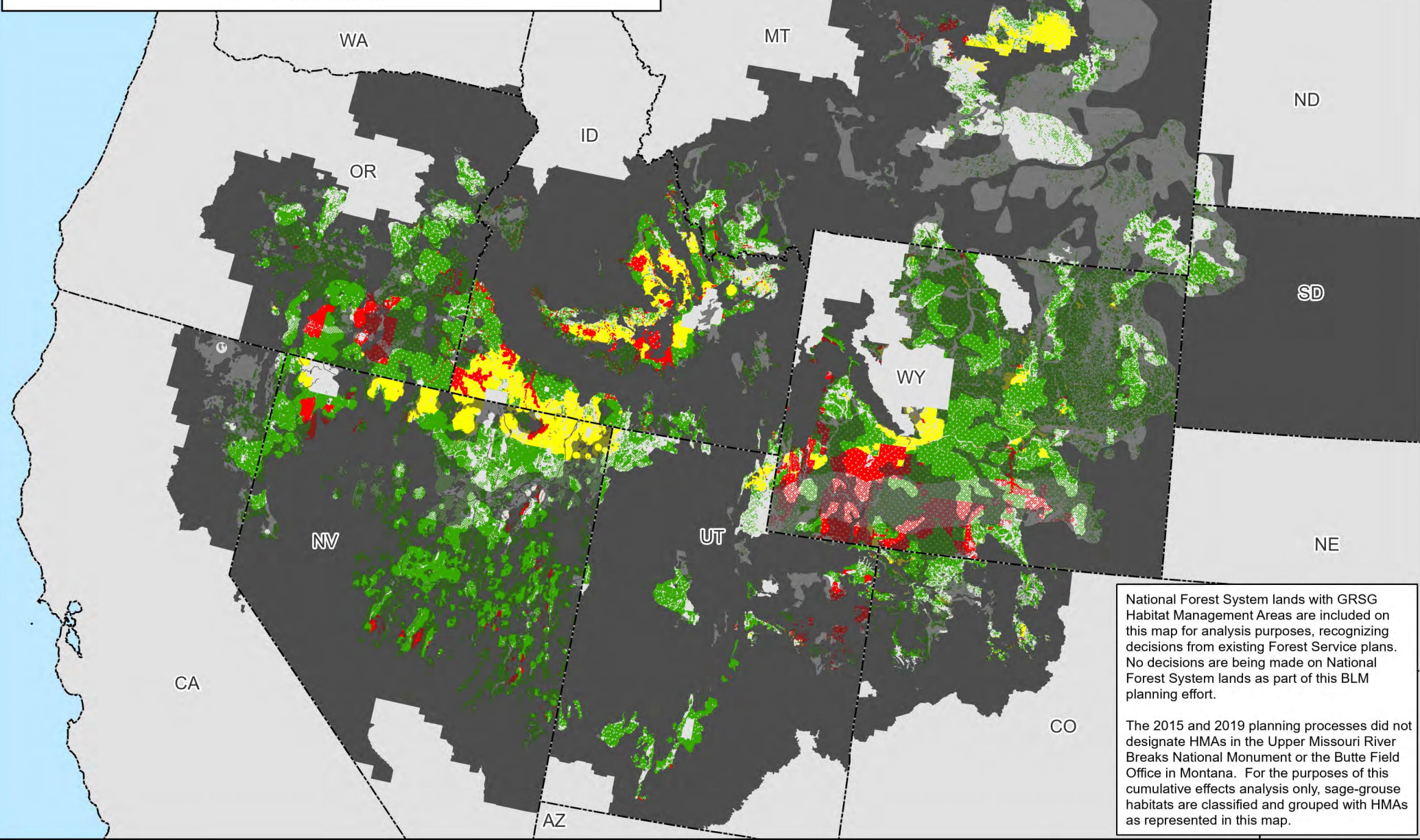
■ Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 1



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.38a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Locatable Minerals - Existing Withdrawals

Locatable Minerals - Recommended Withdrawals

Locatable Minerals - Open

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

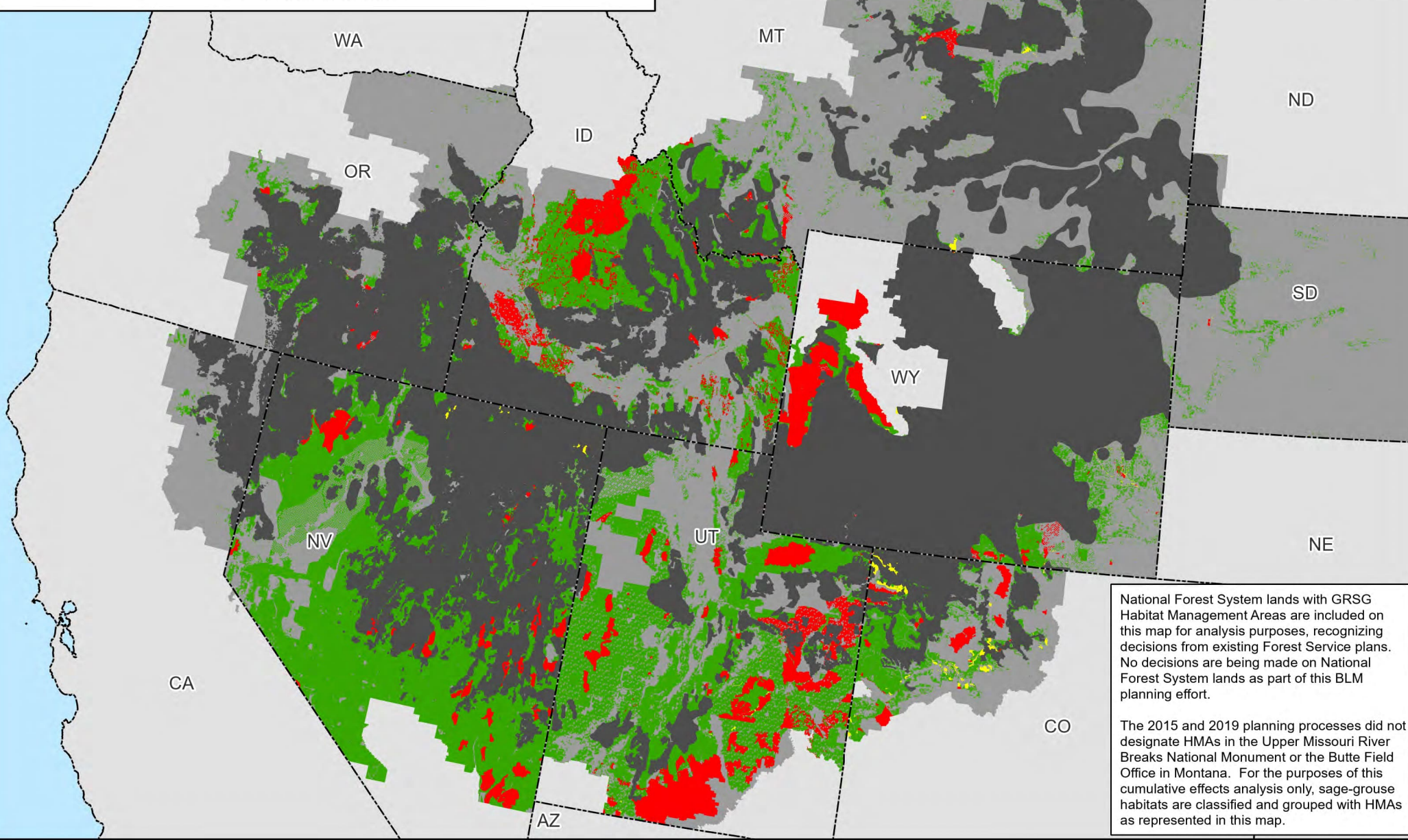
Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Locatable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



Map 2.38b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

- Locatable Minerals - Existing Withdrawals
- Locatable Minerals - Recommended Withdrawals
- Locatable Minerals - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

Locatable Minerals - Existing Withdrawals

Locatable Minerals - Recommended Withdrawals

Locatable Minerals - Open

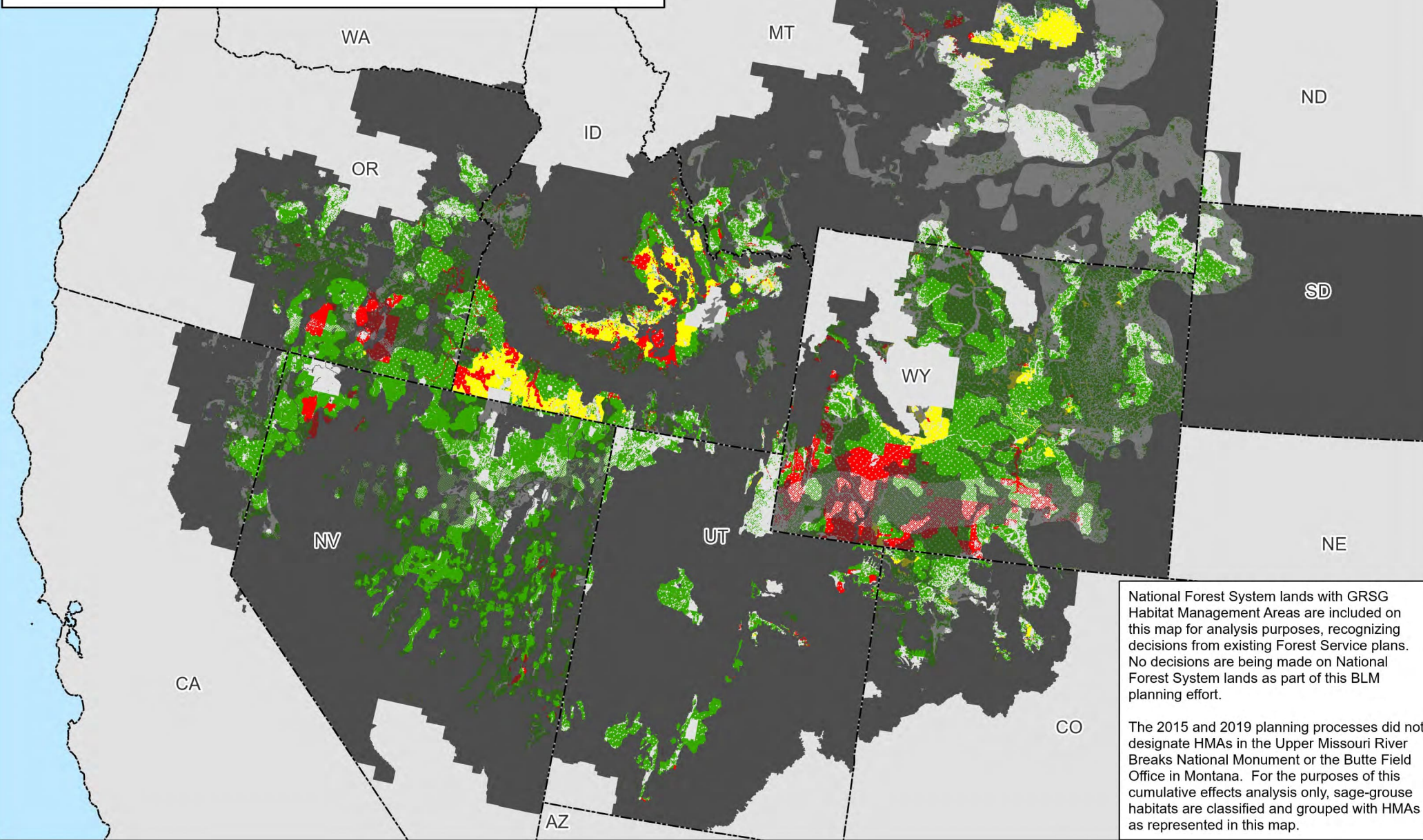
GRSG Habitat Management Areas

Planning Area Extent

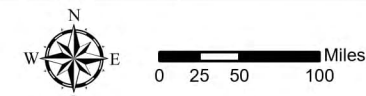
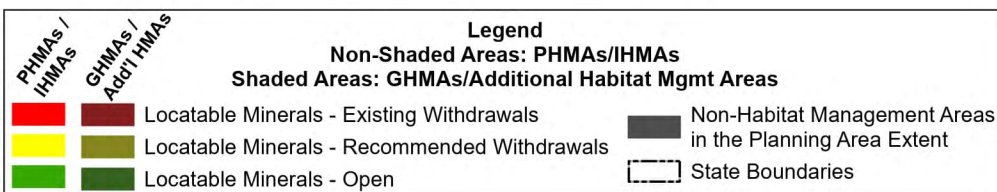
State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 2

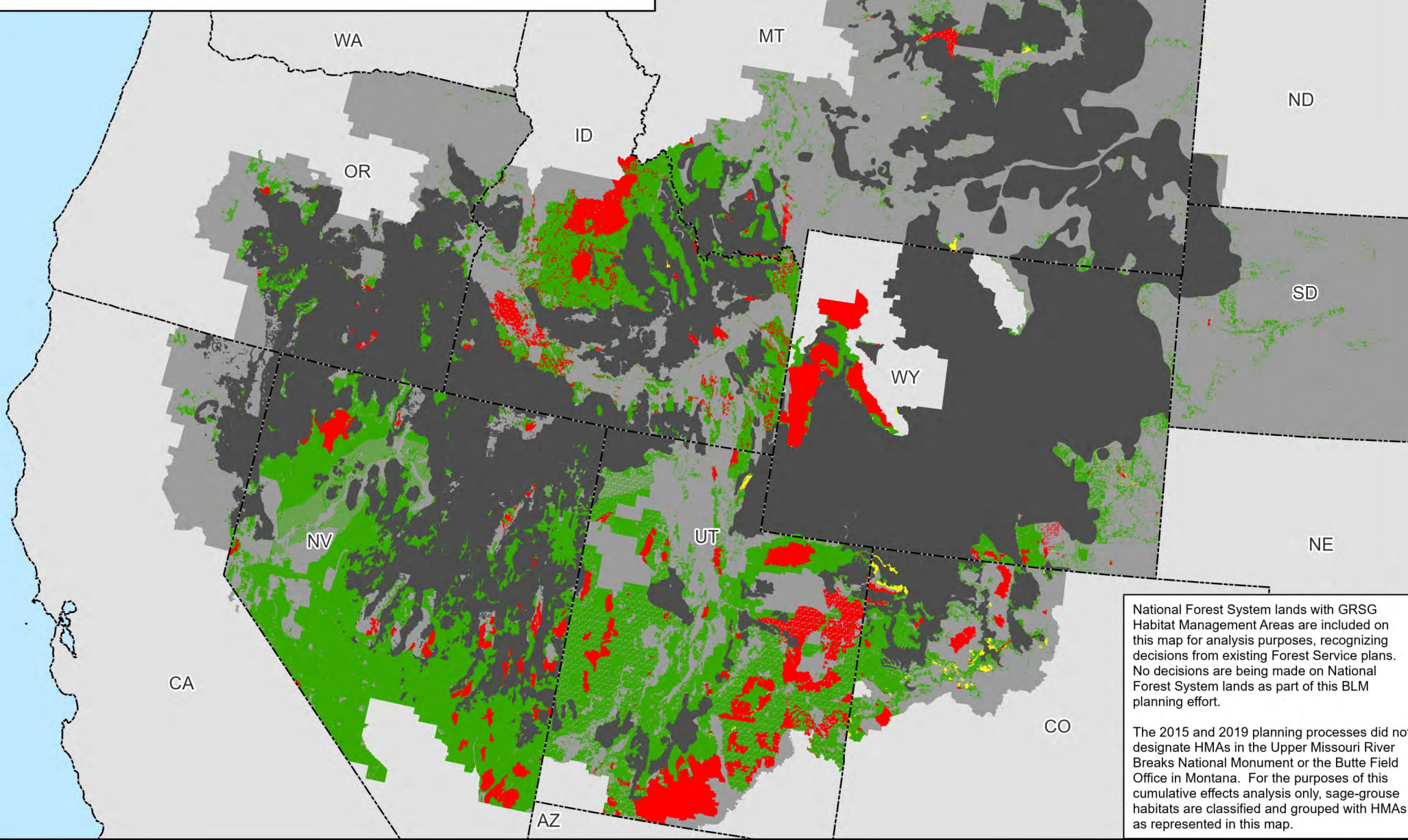


Map 2.39a



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Locatable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



National Forest System lands with GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

The 2015 and 2019 planning processes did not designate HMAs in the Upper Missouri River Breaks National Monument or the Butte Field Office in Montana. For the purposes of this cumulative effects analysis only, sage-grouse habitats are classified and grouped with HMAs as represented in this map.

Map 2.39b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Locatable Minerals - Existing Withdrawals

Locatable Minerals - Recommended Withdrawals

Locatable Minerals - Open

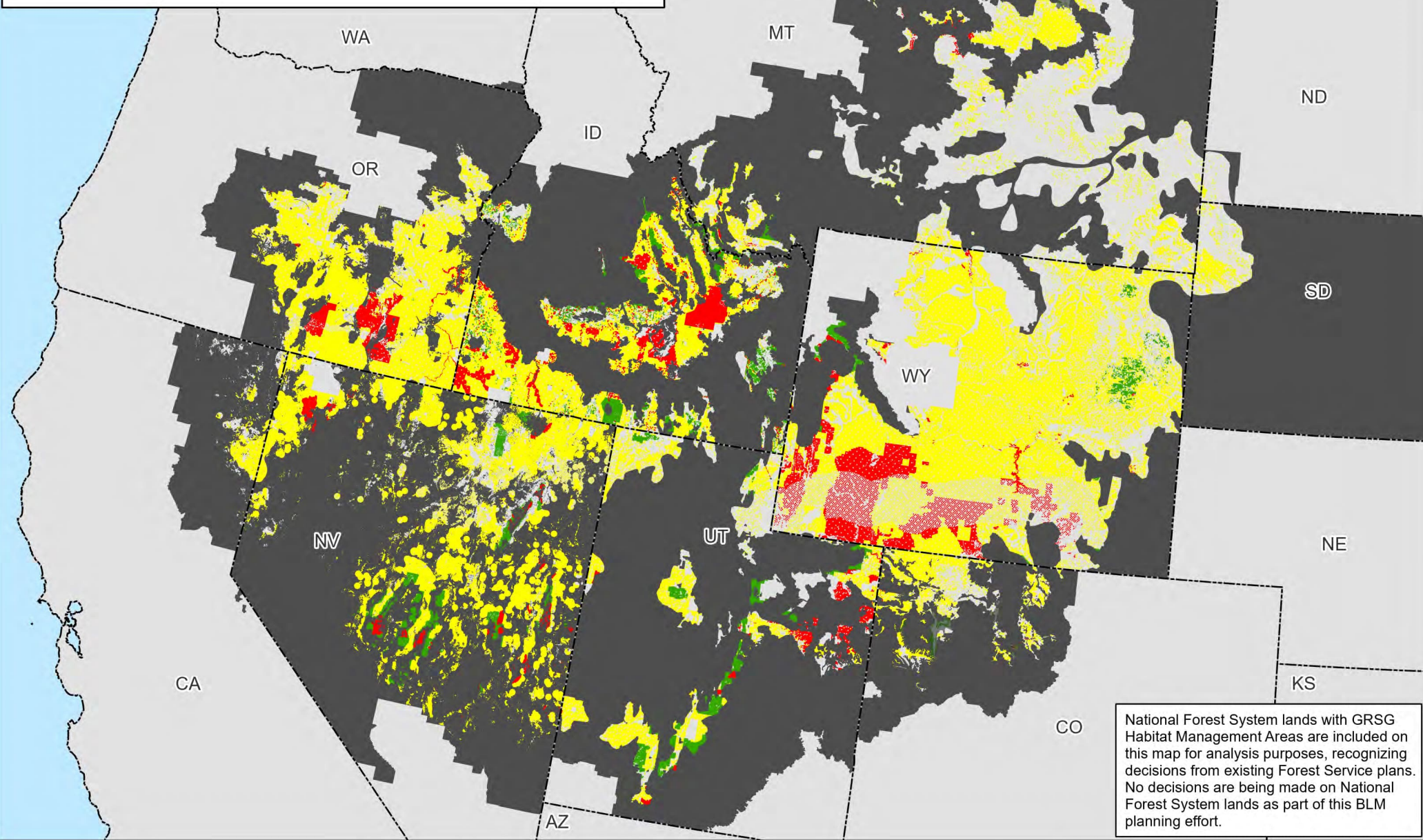
GRSG Habitat Management Areas

Planning Area Extent

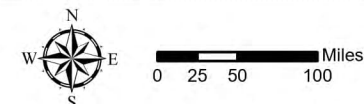
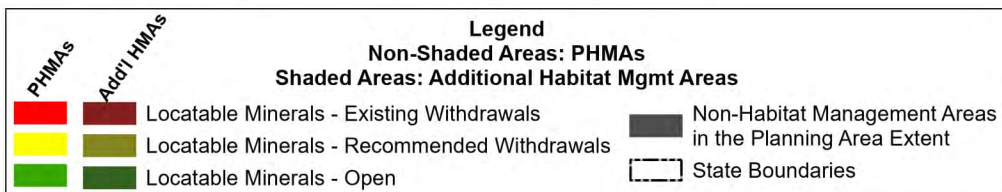
State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 3

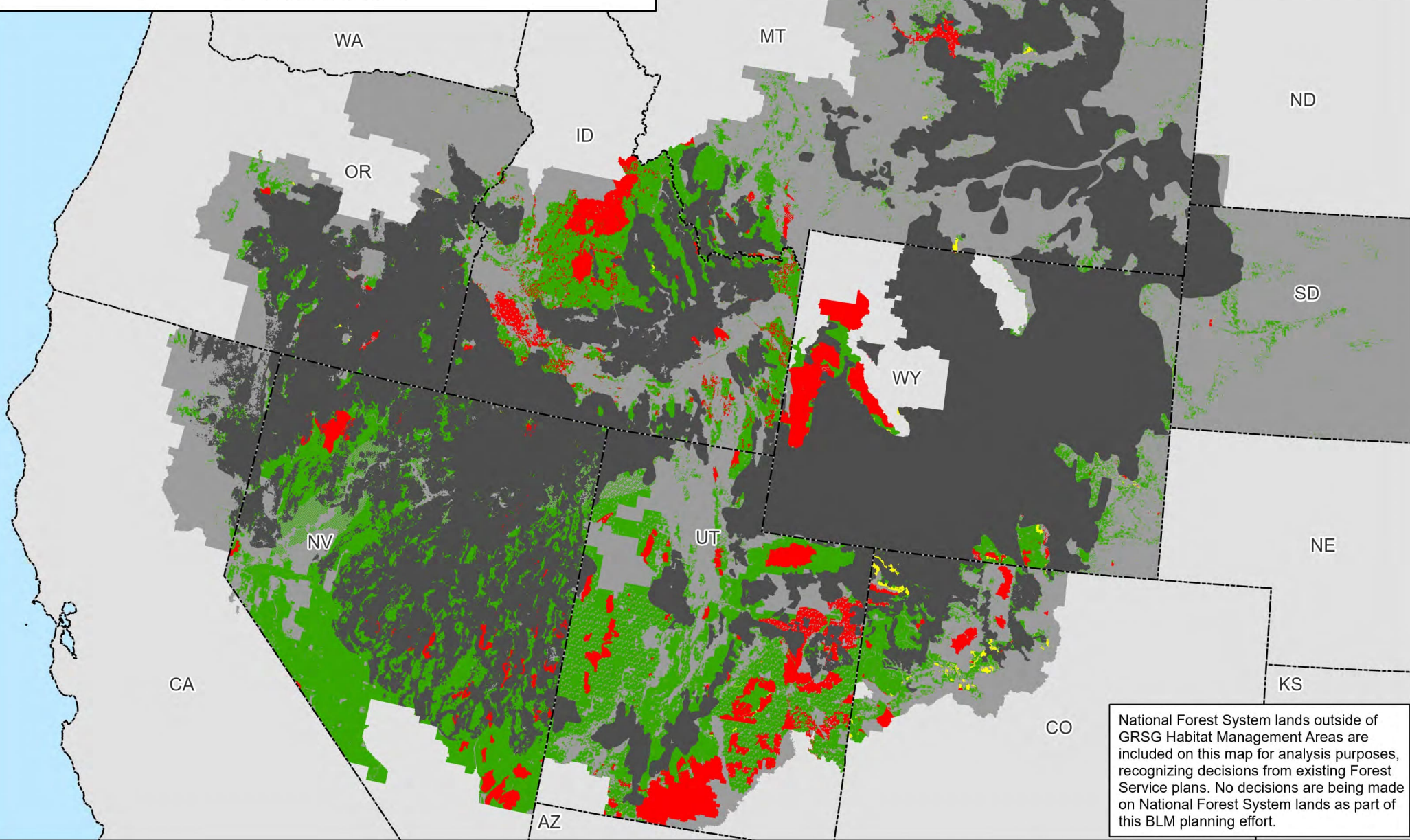


Map 2.40a

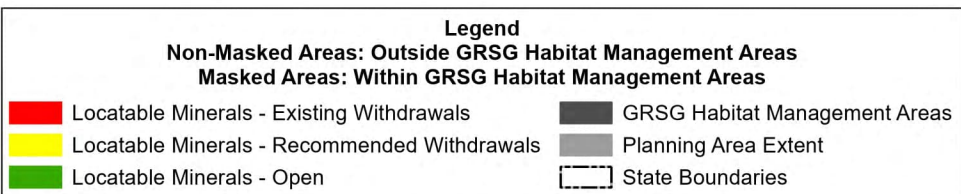


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Locatable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3

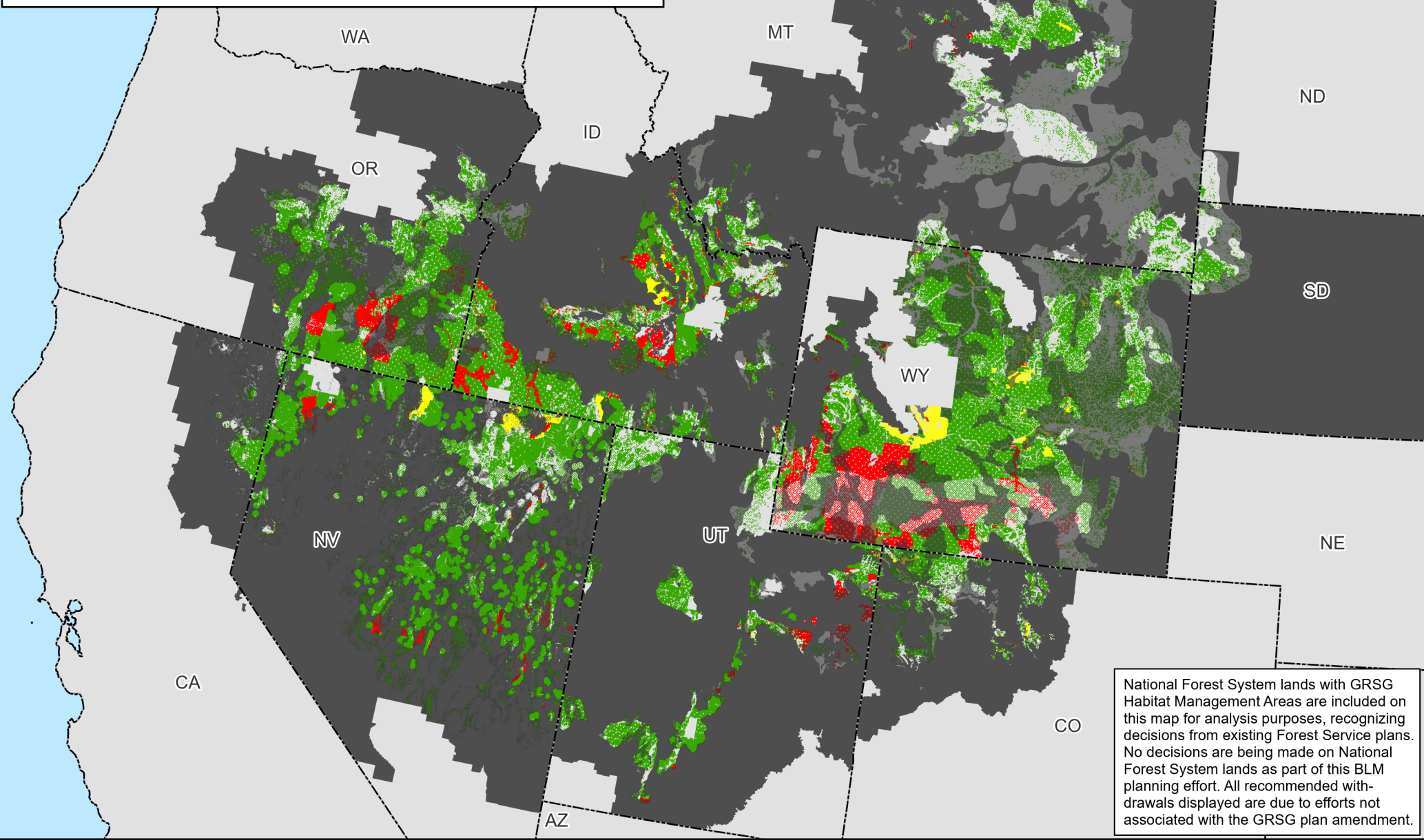


Map 2.40b

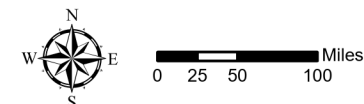
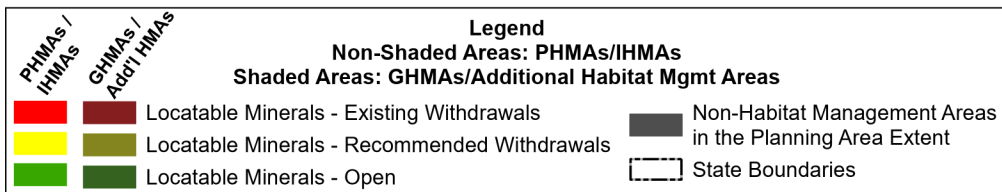


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 4



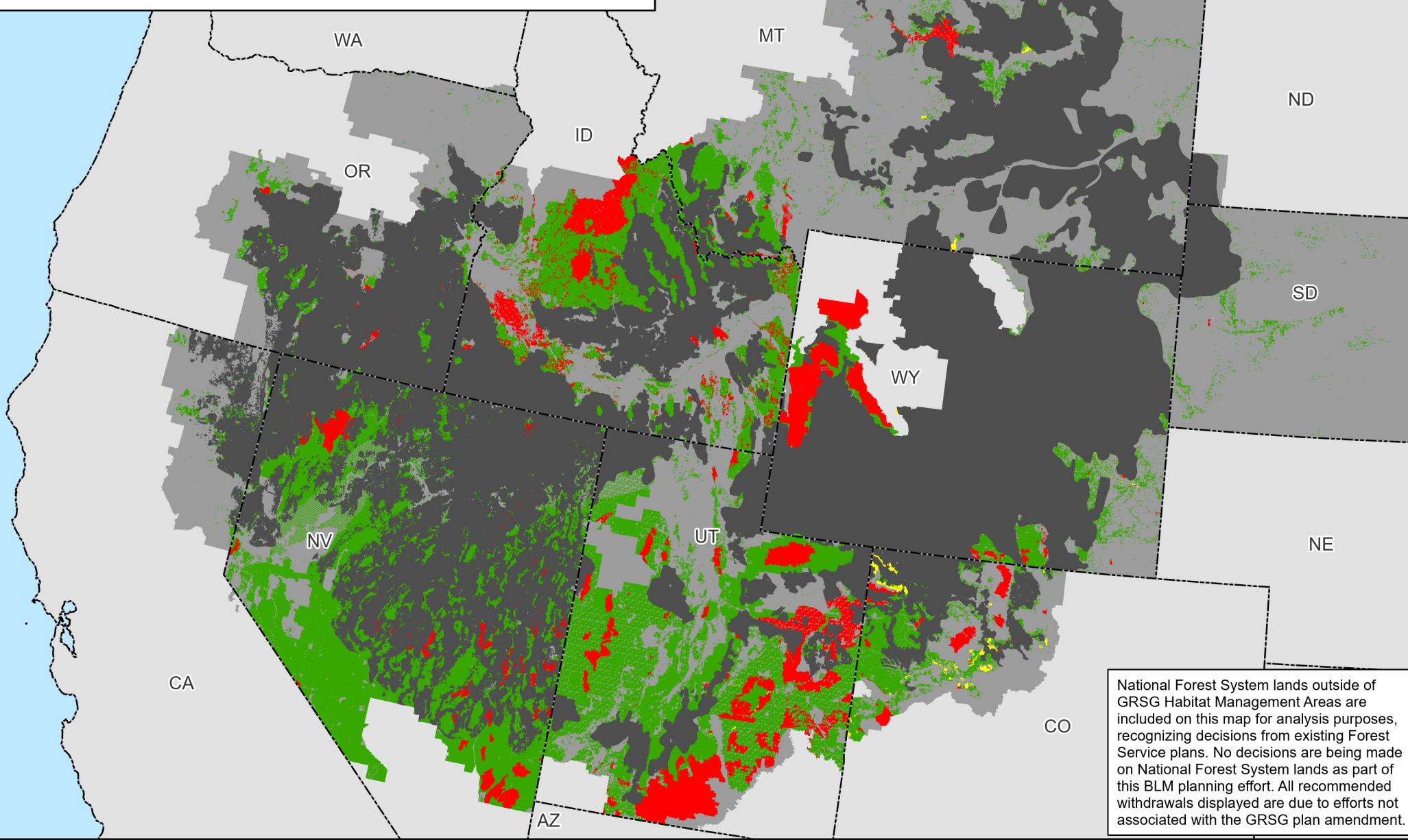
Map 2.41a



No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



Locatable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.41b

Legend

Non-Masked Areas: Outside GRSG Habitat Management Areas

Masked Areas: Within GRSG Habitat Management Areas

Locatable Minerals - Existing Withdrawals

Locatable Minerals - Recommended Withdrawals

Locatable Minerals - Open

GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.