



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

Volume 2b: Appendix 1. Maps  
Maps 2.42a 2.79b  
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



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# Appendix I

## Maps



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# Appendix I. Maps

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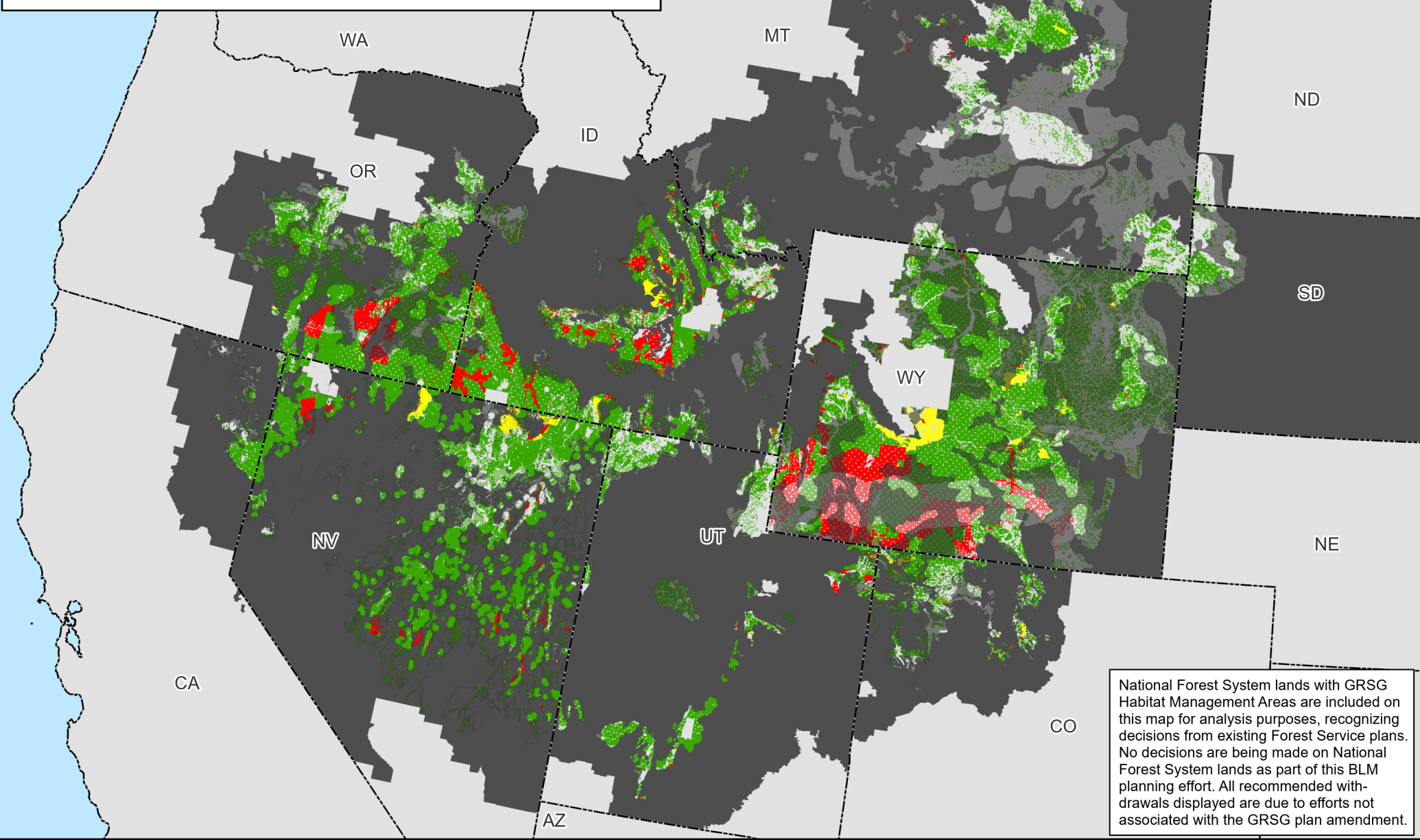
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# Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 5



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. All recommended withdrawals displayed are due to efforts not associated with the GRSG plan amendment.

Map 2.42a

PHMAs / IHMAs

GHMAs / Add'l HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

Locatable Minerals - Existing Withdrawals

Locatable Minerals - Recommended Withdrawals

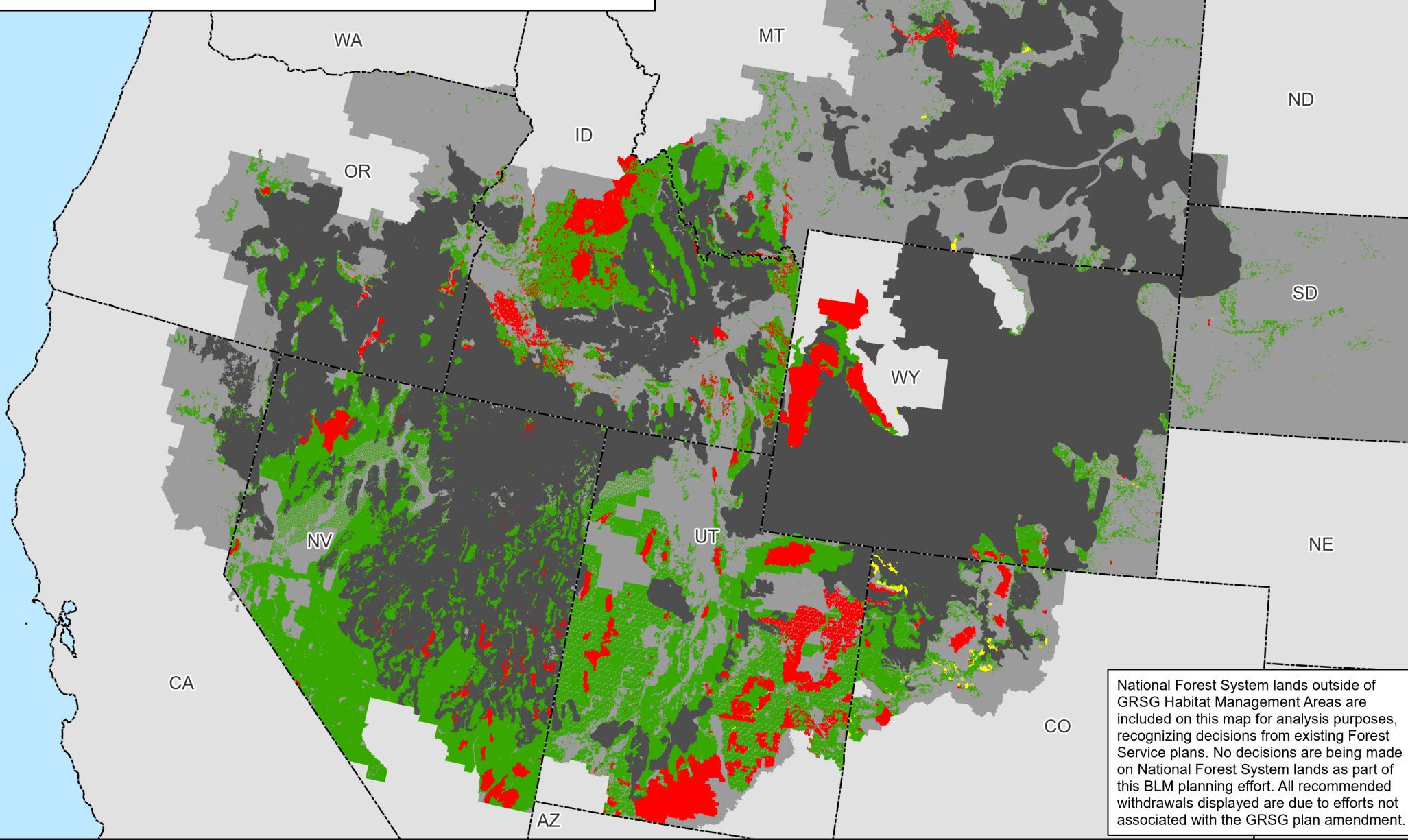
Locatable Minerals - Open

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.

# Locatable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5

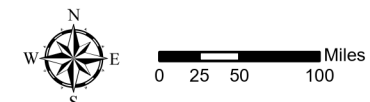


National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort. All recommended withdrawals displayed are due to efforts not associated with the GRSG plan amendment.

Map 2.42b

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

- |  |   |
|--|---|
| <span style="color: red;">■</span> Locatable Minerals - Existing Withdrawals       | <span style="background-color: black; color: black;">■</span> GRSG Habitat Management Areas |
| <span style="color: yellow;">■</span> Locatable Minerals - Recommended Withdrawals | <span style="background-color: lightgrey; color: black;">■</span> Planning Area Extent      |
| <span style="color: green;">■</span> Locatable Minerals - Open                     | <span style="border: 1px dashed black; color: black;">■</span> State Boundaries             |

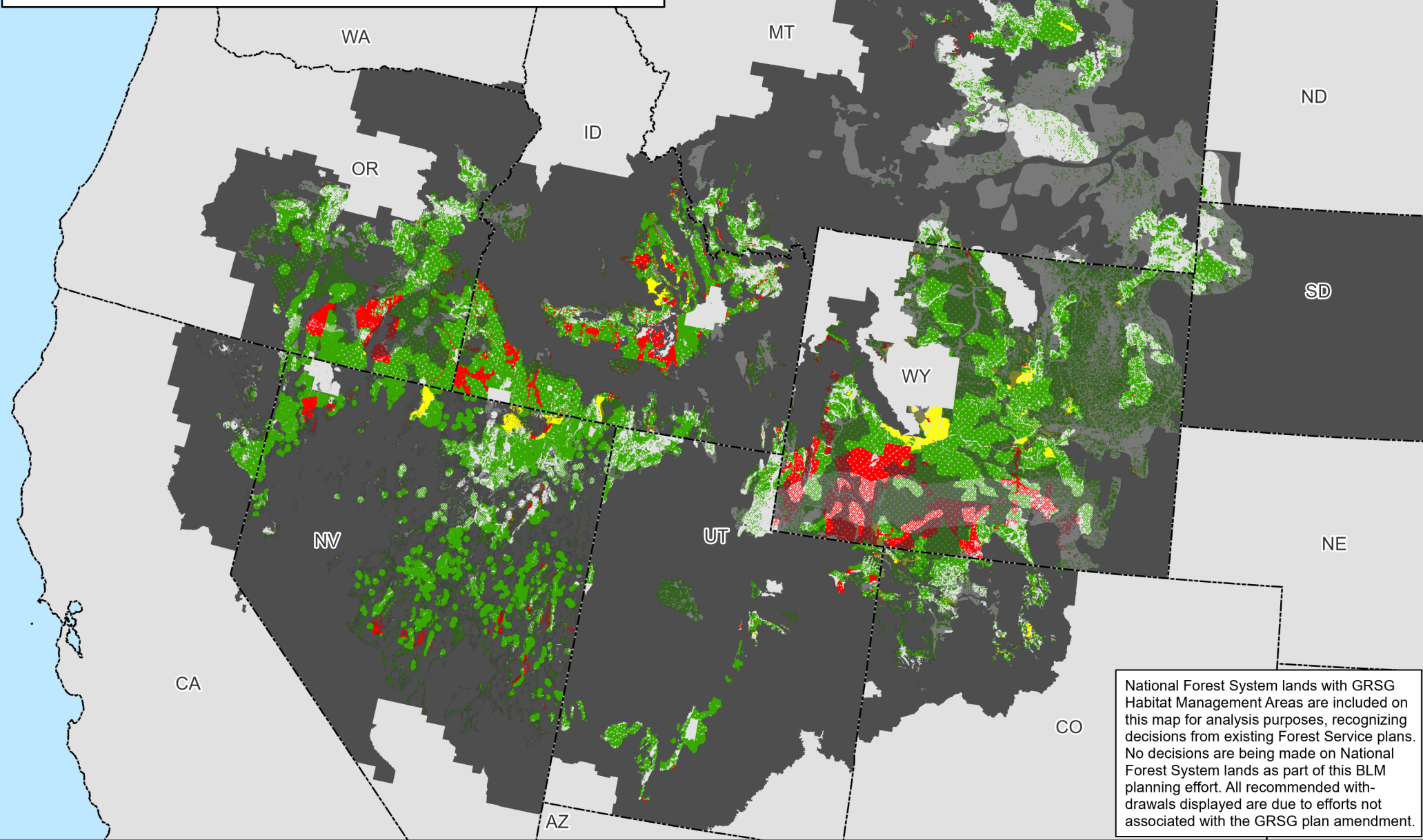


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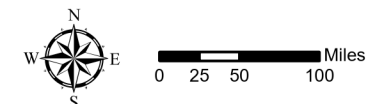
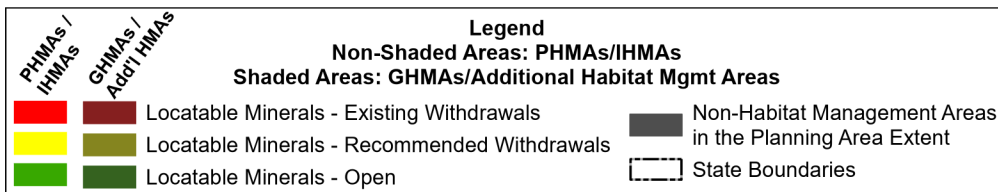




# Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Alternative 6

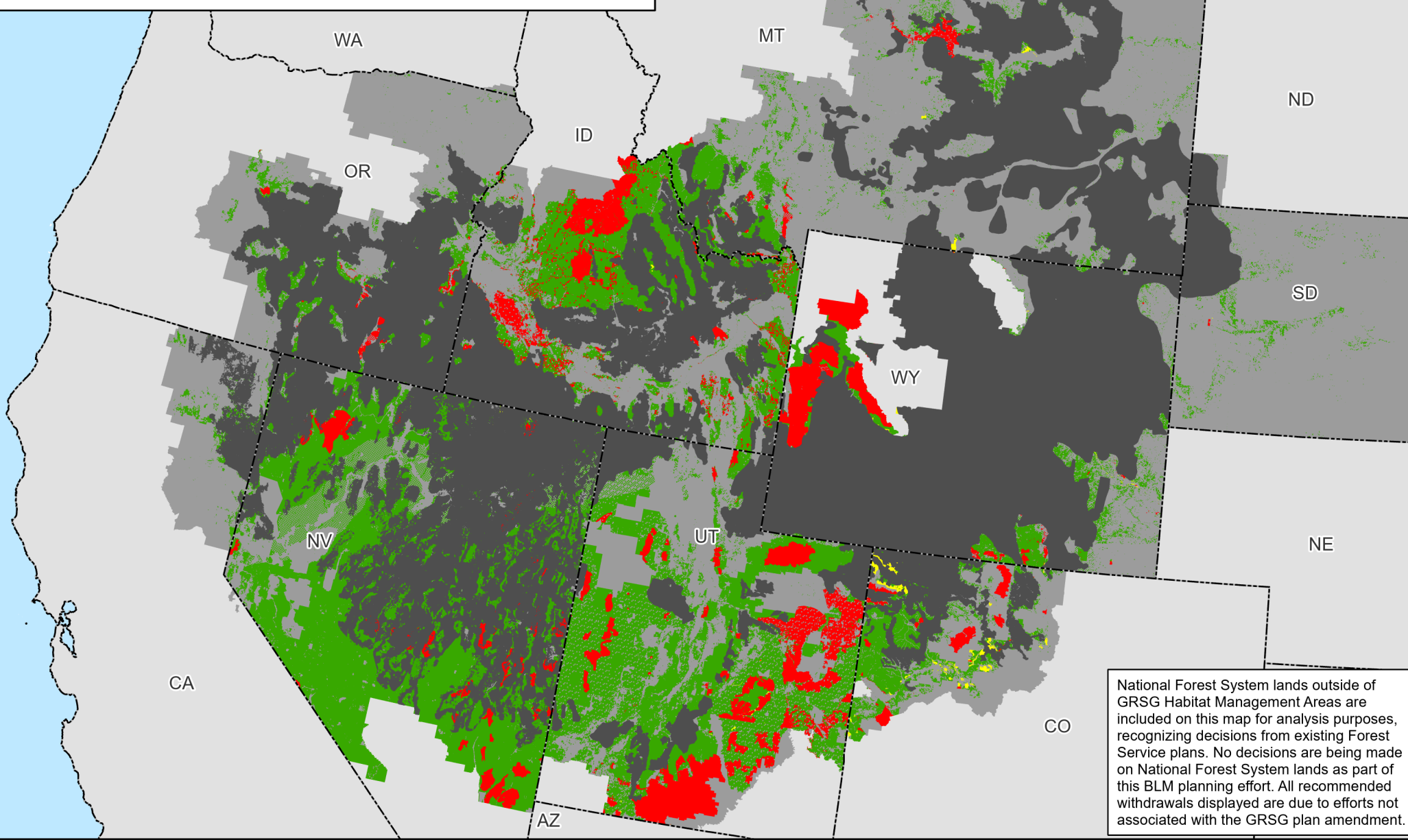


Map 2.43a



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 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. All recommended withdrawals displayed are due to efforts not associated with the GRSG plan amendment.

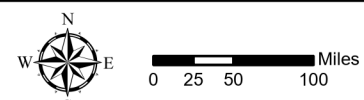
Map 2.43b

**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

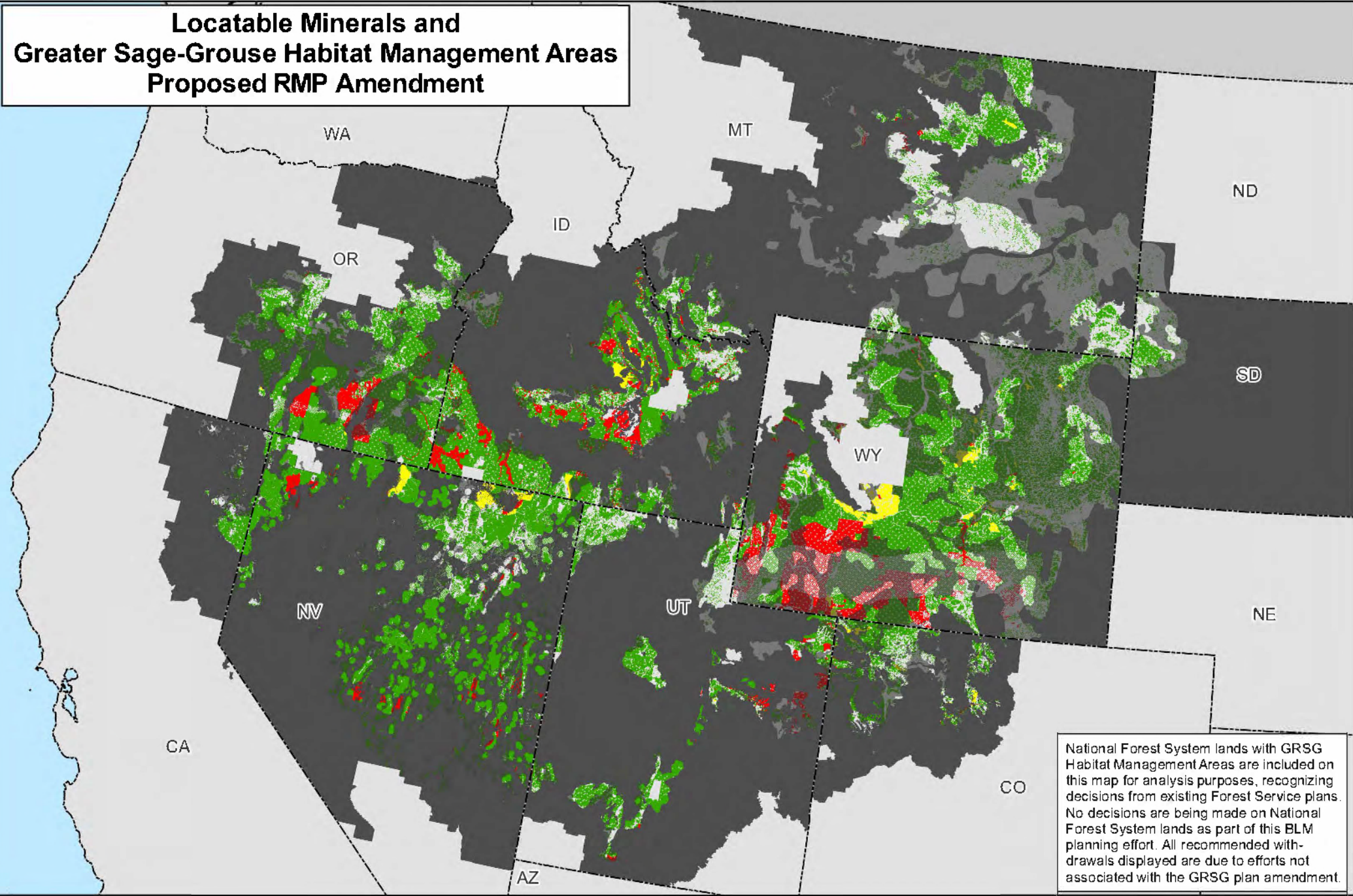


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# Locatable Minerals and Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



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. All recommended withdrawals displayed are due to efforts not associated with the GRSG plan amendment.

Map 2.44a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Locatable Minerals - Existing Withdrawals

Locatable Minerals - Recommended Withdrawals

Locatable Minerals - Open

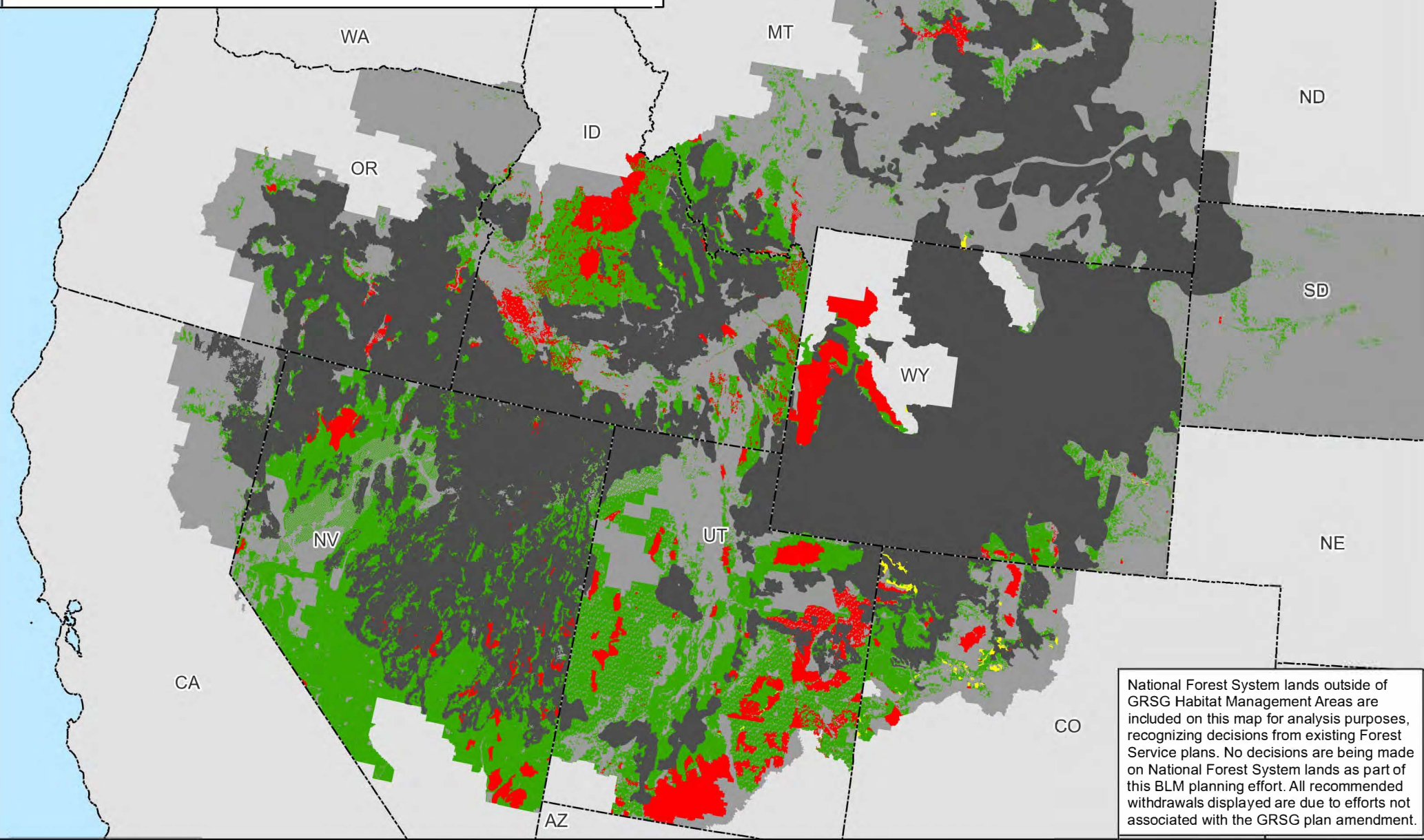
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

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.

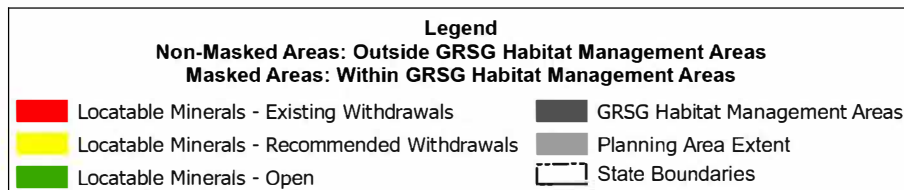


# Locatable Minerals Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



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. All recommended withdrawals displayed are due to efforts not associated with the GRSG plan amendment.

Map 2.44b

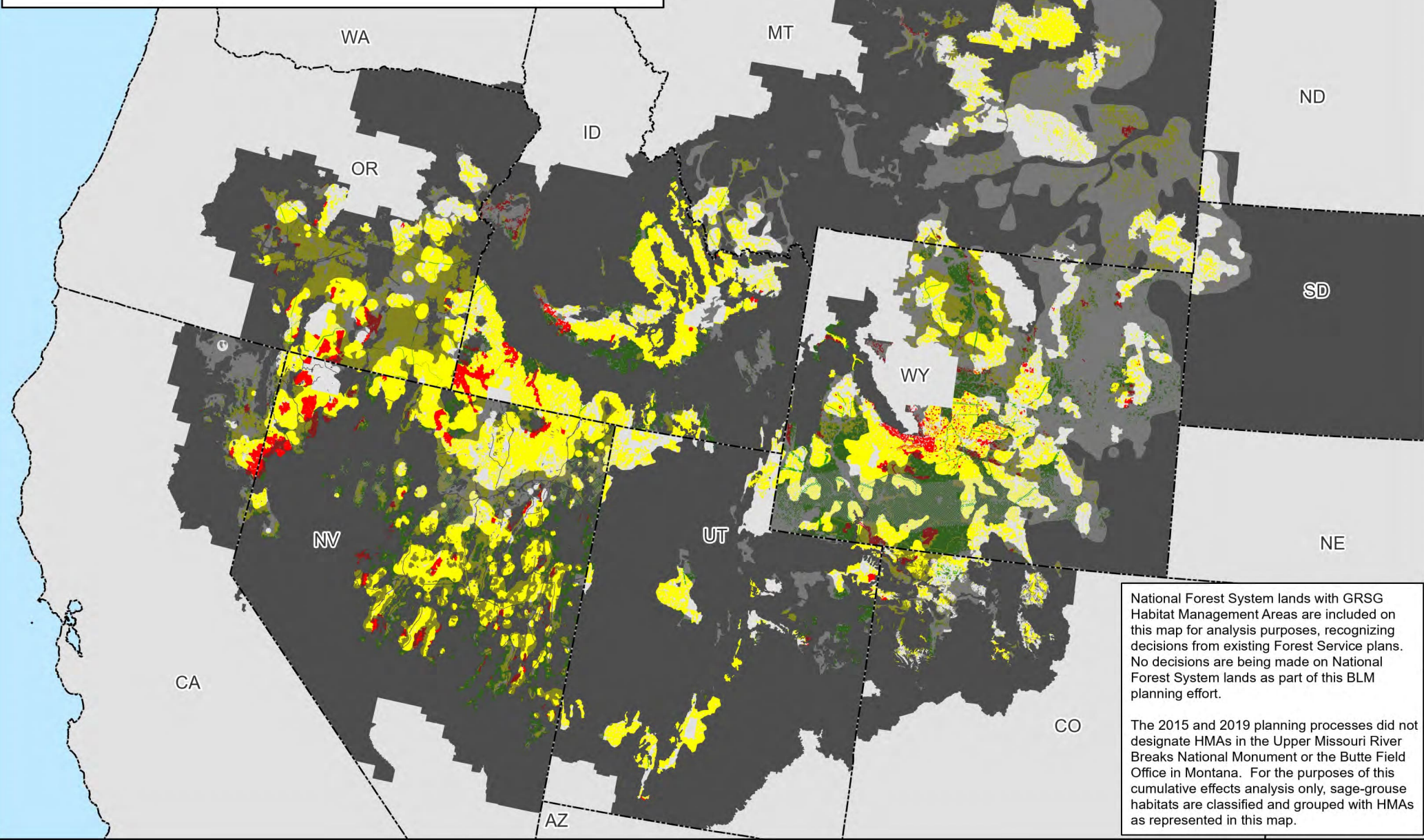


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# Major Rights-of-Way Decisions and Greater Sage-Grouse Habitat Management Areas Alternative 1



Map 2.45a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Major Rights-of-Way Decisions - Exclusion

Major Rights-of-Way Decisions - Avoidance

Major Rights-of-Way Decisions - Open

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

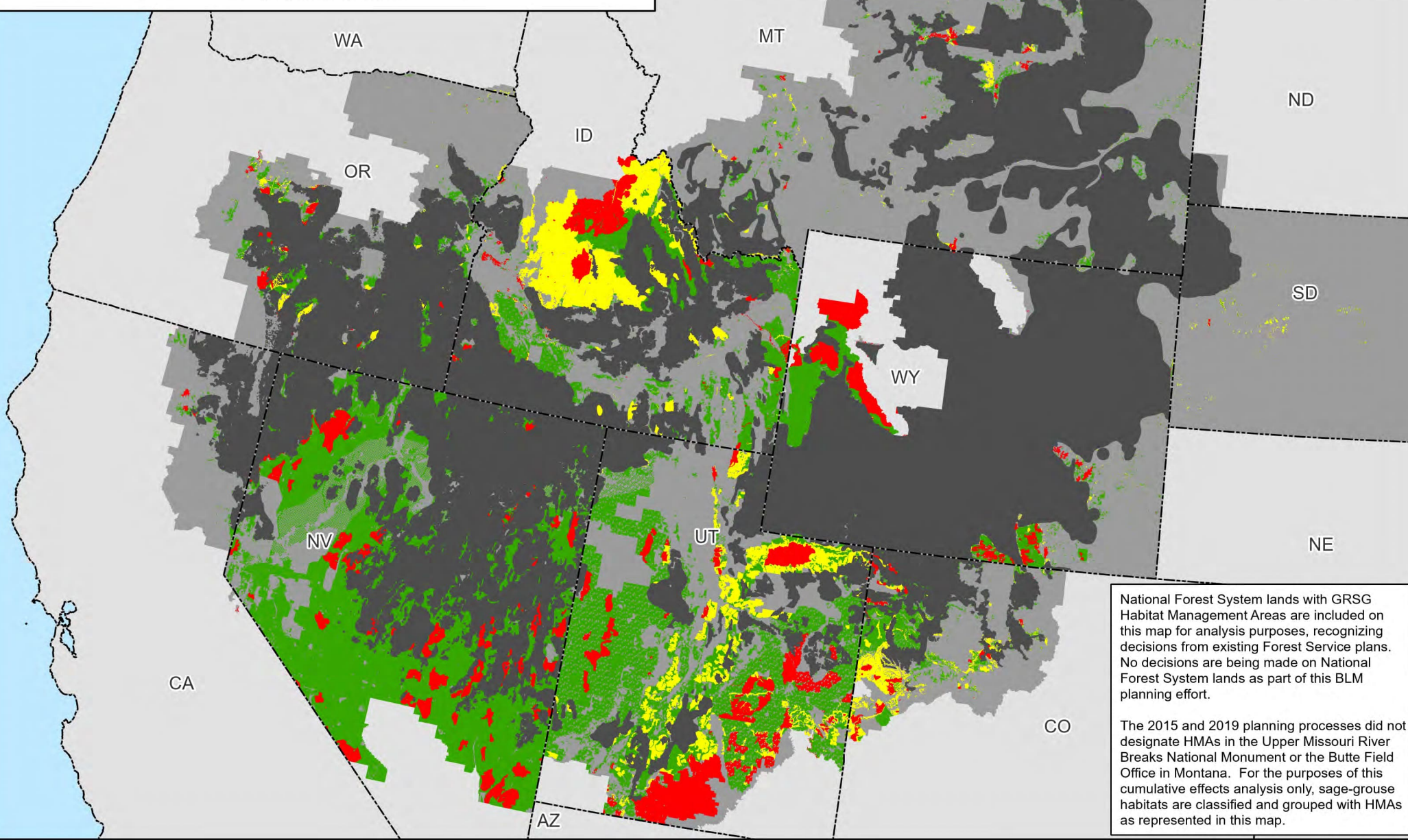
Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

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# Major Rights-of-Way Decisions Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



Map 2.45b

**Legend**

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

<span style="color: red;">■</span> Major Rights-of-Way Decisions - Exclusion	<span style="background-color: black; color: black;">■</span> GRSG Habitat Management Areas
<span style="color: yellow;">■</span> Major Rights-of-Way Decisions - Avoidance	<span style="background-color: gray; color: black;">■</span> Planning Area Extent
<span style="color: green;">■</span> Major Rights-of-Way Decisions - Open	<span style="border: 1px dashed black;">■</span> State Boundaries

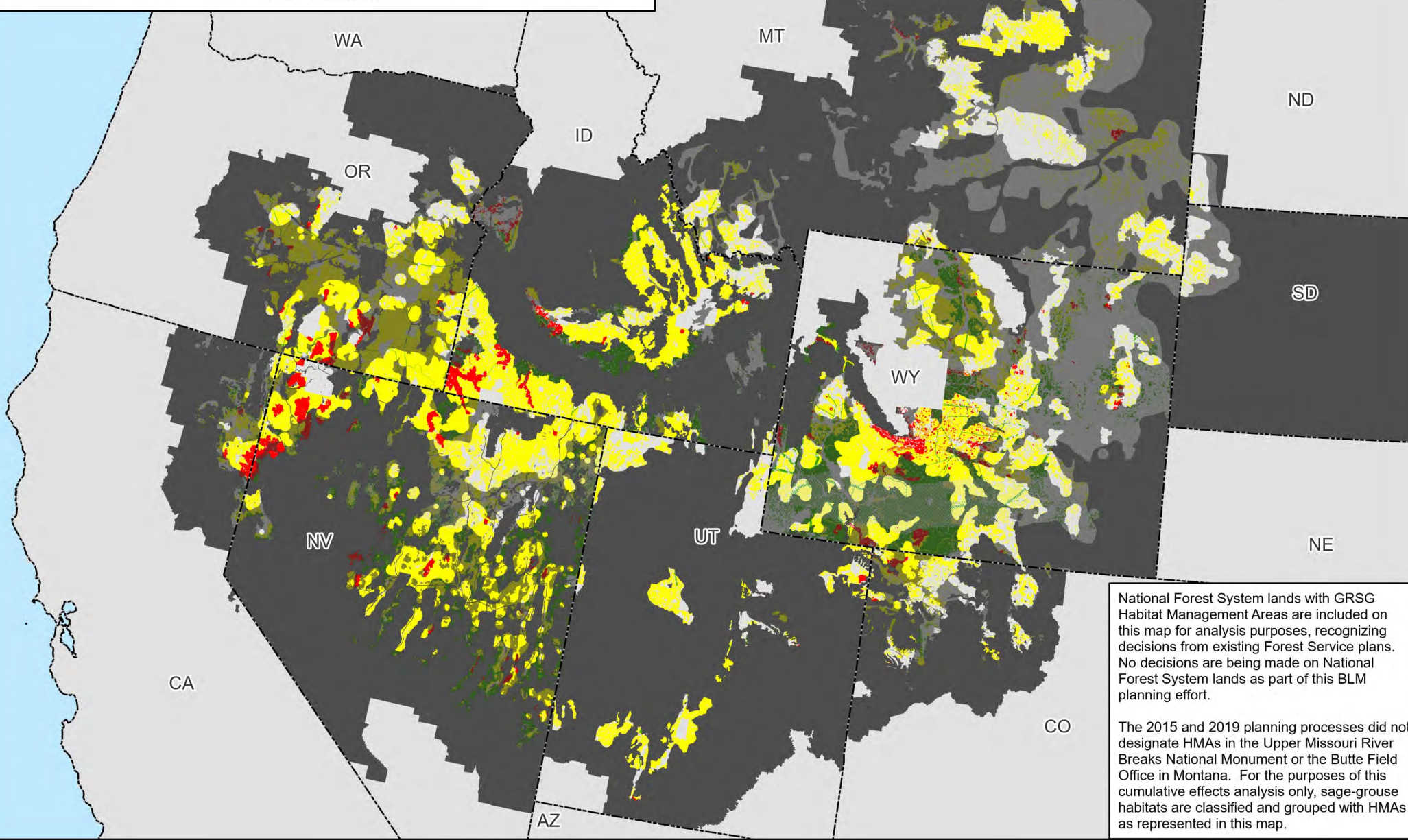
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# Major Rights-of-Way Decisions and Greater Sage-Grouse Habitat Management Areas Alternative 2



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 2.46a

PHMAs / IHMAs

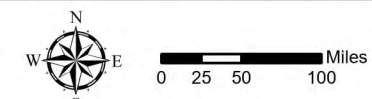
GHMAs / Add'l HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Major Rights-of-Way Decisions - Exclusion	<span style="display:inline-block; width:15px; height:15px; background-color:darkgrey; border:1px solid black;"></span> Non-Habitat Management Areas in the Planning Area Extent
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Major Rights-of-Way Decisions - Avoidance	<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span> State Boundaries
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Major Rights-of-Way Decisions - Open	

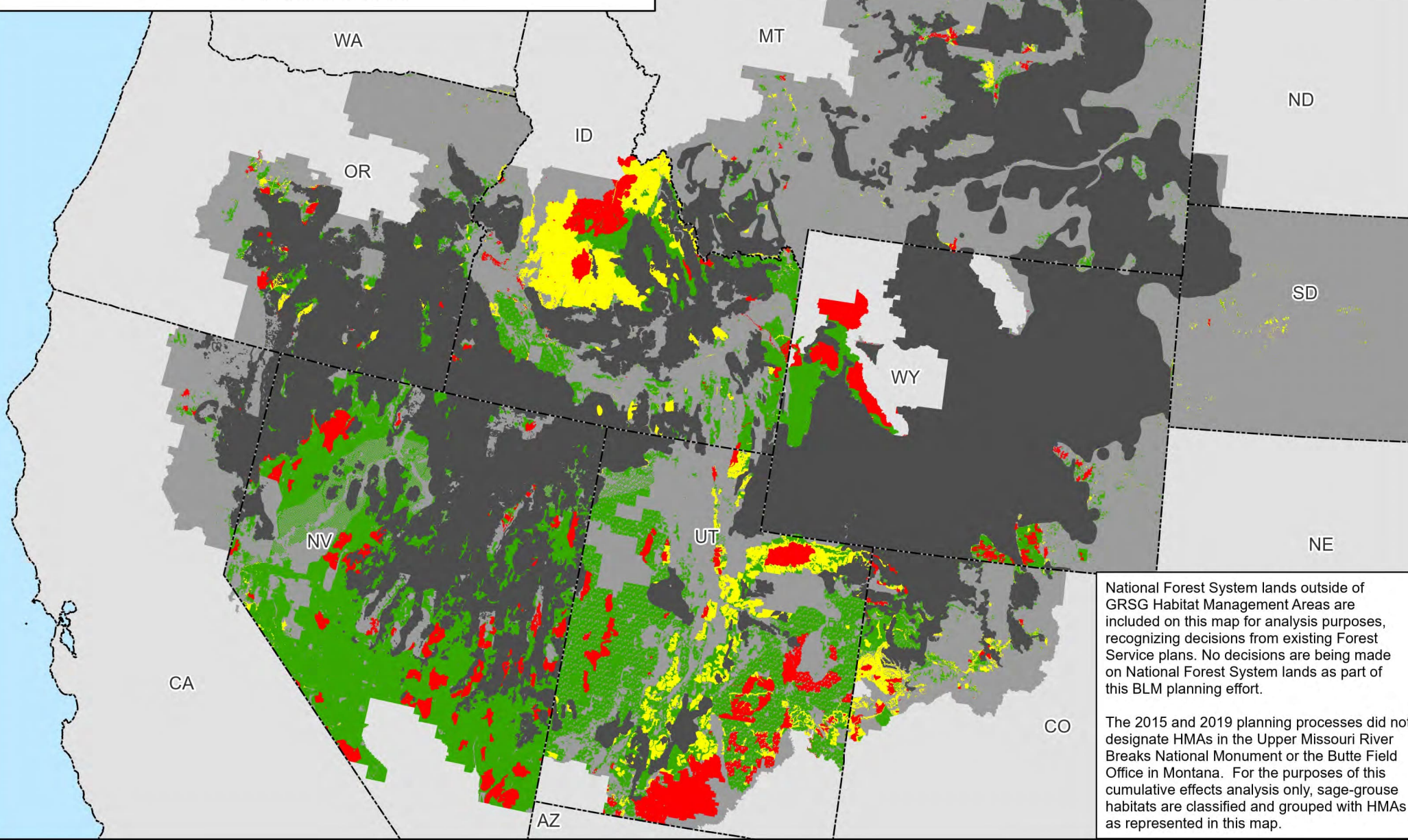


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# Major Rights-of-Way Decisions Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



Map 2.46b

**Legend**

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

<span style="color: red;">■</span> Major Rights-of-Way Decisions - Exclusion	<span style="background-color: black; color: black;">■</span> GRSG Habitat Management Areas
<span style="color: yellow;">■</span> Major Rights-of-Way Decisions - Avoidance	<span style="background-color: gray; color: black;">■</span> Planning Area Extent
<span style="color: green;">■</span> Major Rights-of-Way Decisions- Open	<span style="border: 1px dashed black;"> </span> State Boundaries

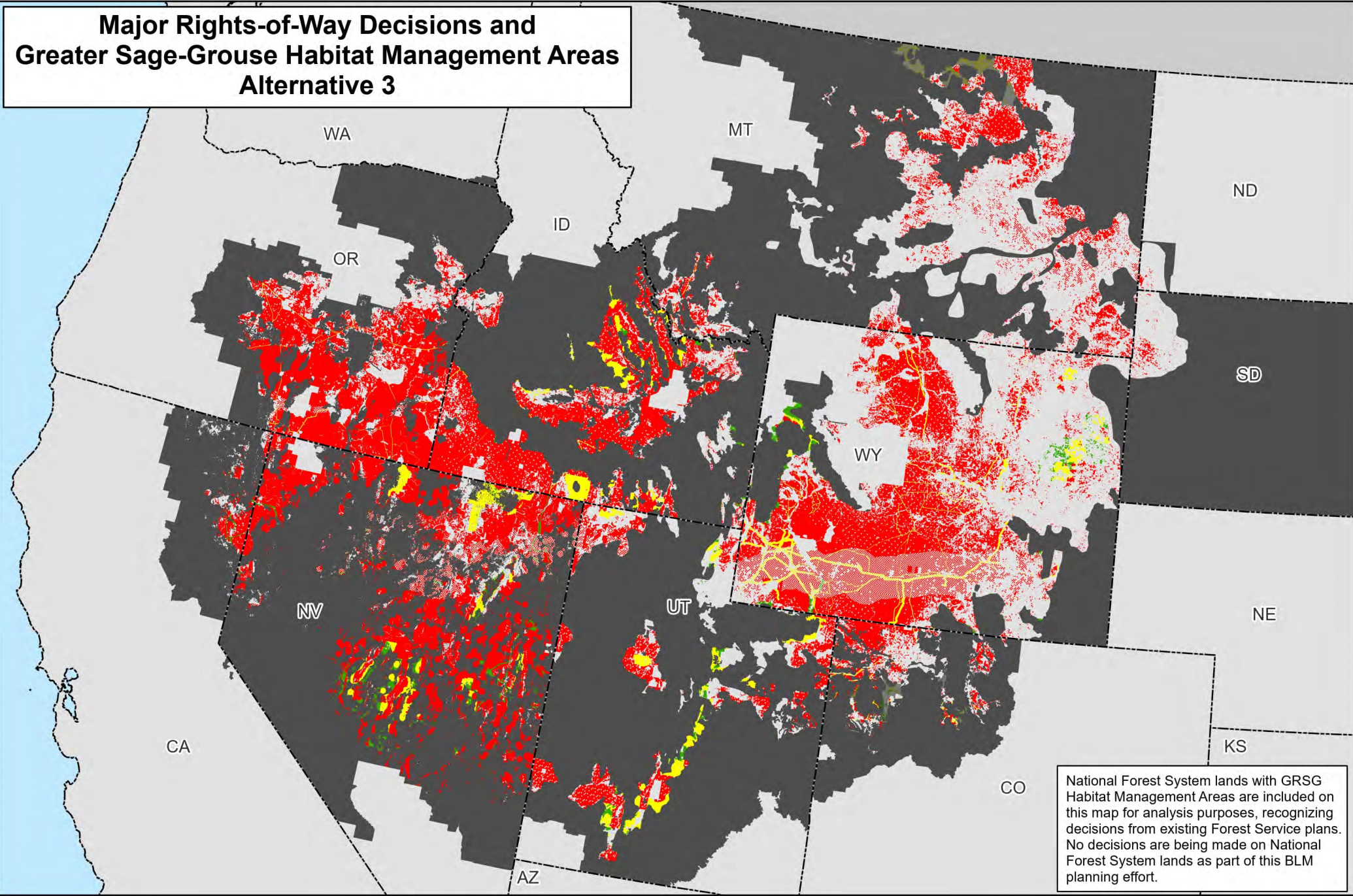
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No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



# Major Rights-of-Way Decisions 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 2.47a

PHMAs

Add'l HMAs

Major Rights-of-Way Decisions - Exclusion

Major Rights-of-Way Decisions - Avoidance

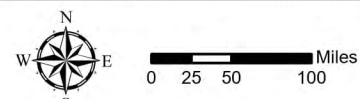
Major Rights-of-Way Decisions - Open

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

Non-Shaded Areas: PHMAs

Shaded Areas: Additional Habitat Mgmt Areas

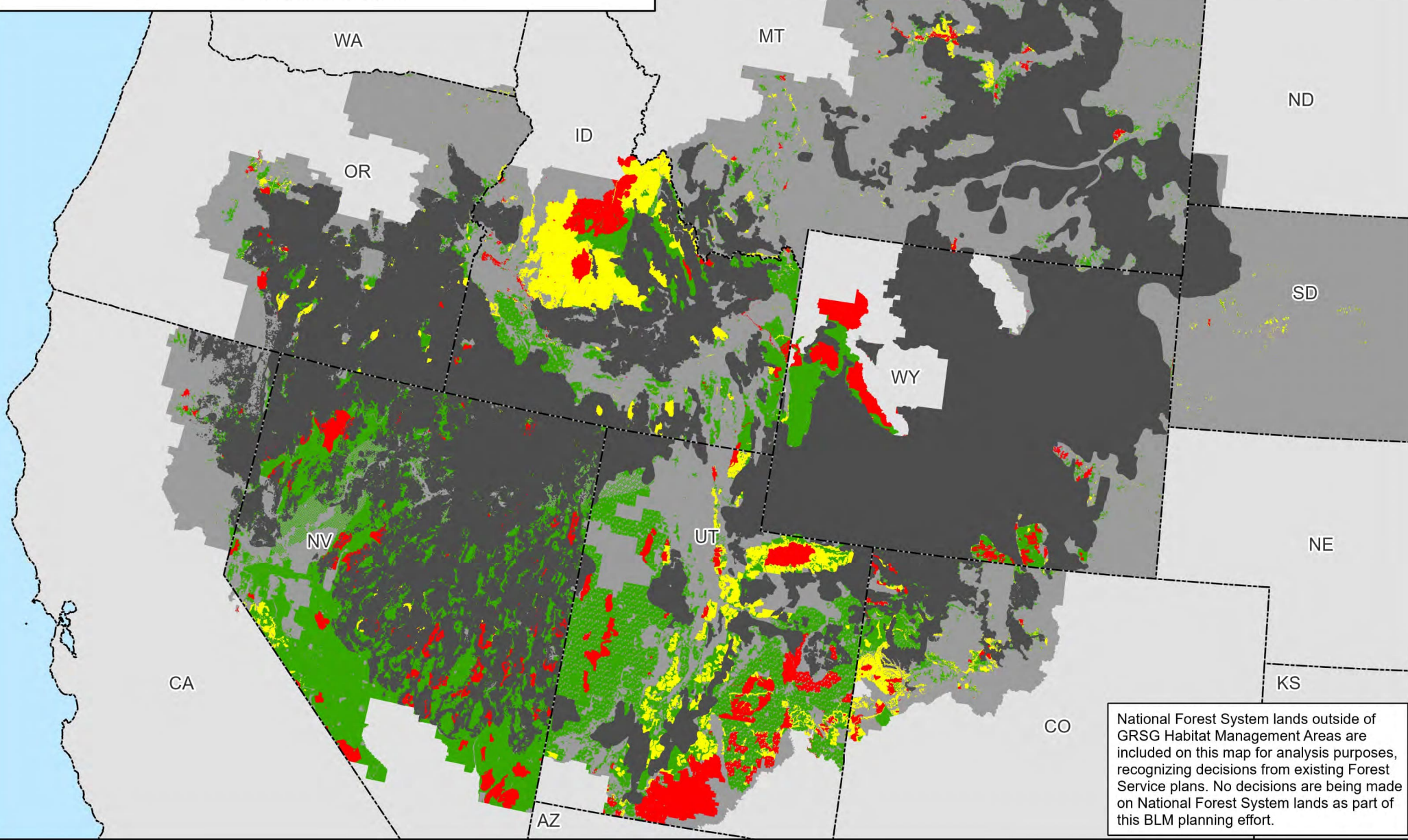


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Major Rights-of-Way Decisions 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 2.47b

**Legend**

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

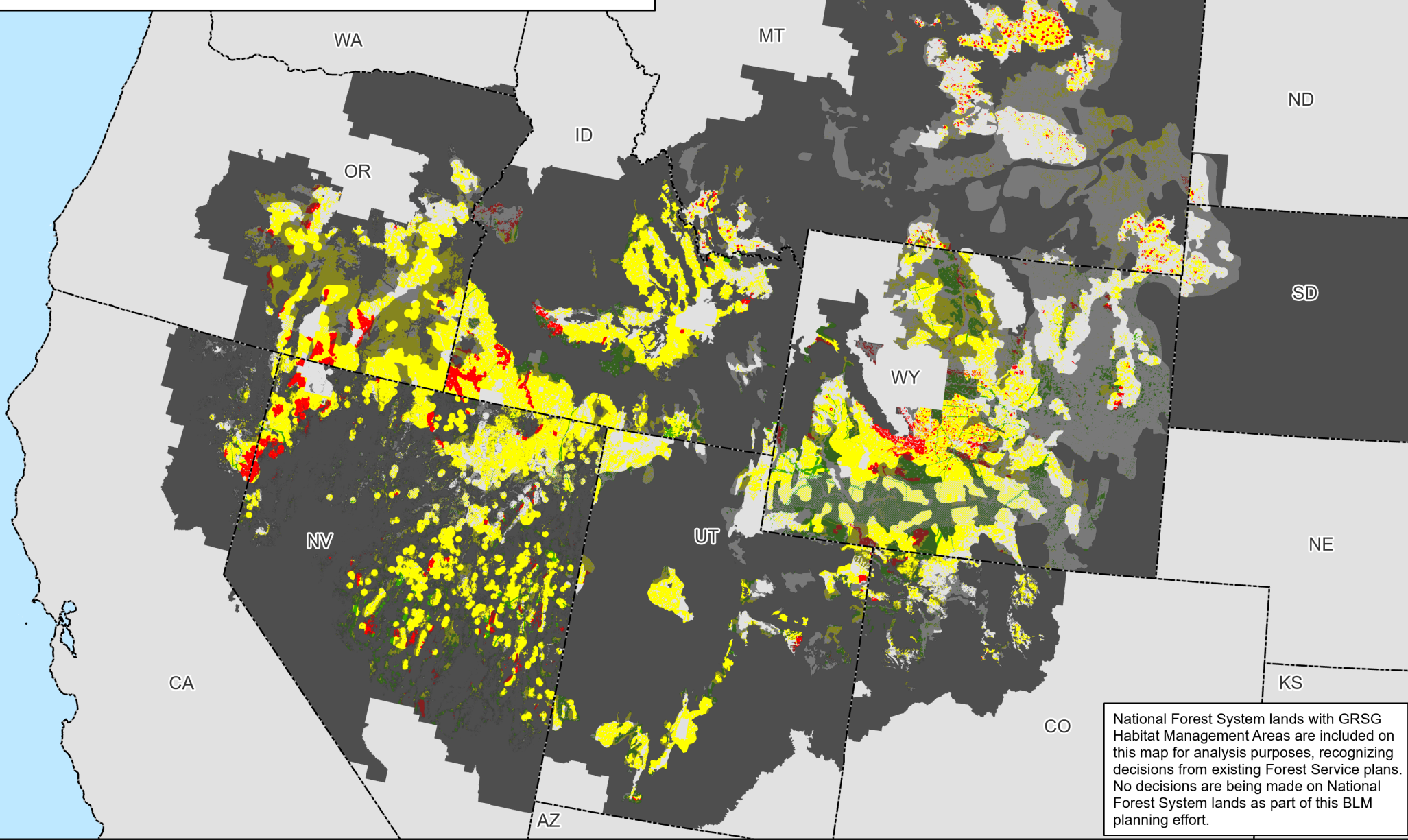
**Masked Areas: Within GRSG Habitat Management Areas**

- Major Rights-of-Way Decisions - Exclusion
- Major Rights-of-Way Decisions - Avoidance
- Major Rights-of-Way Decisions - 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.



# Major Rights-of-Way Decisions and Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.48a



PHMAs / IHMAs

GHMAs / Add'l HMAs

Major Rights-of-Way Decisions - Exclusion

Major Rights-of-Way Decisions - Avoidance

Major Rights-of-Way Decisions - Open

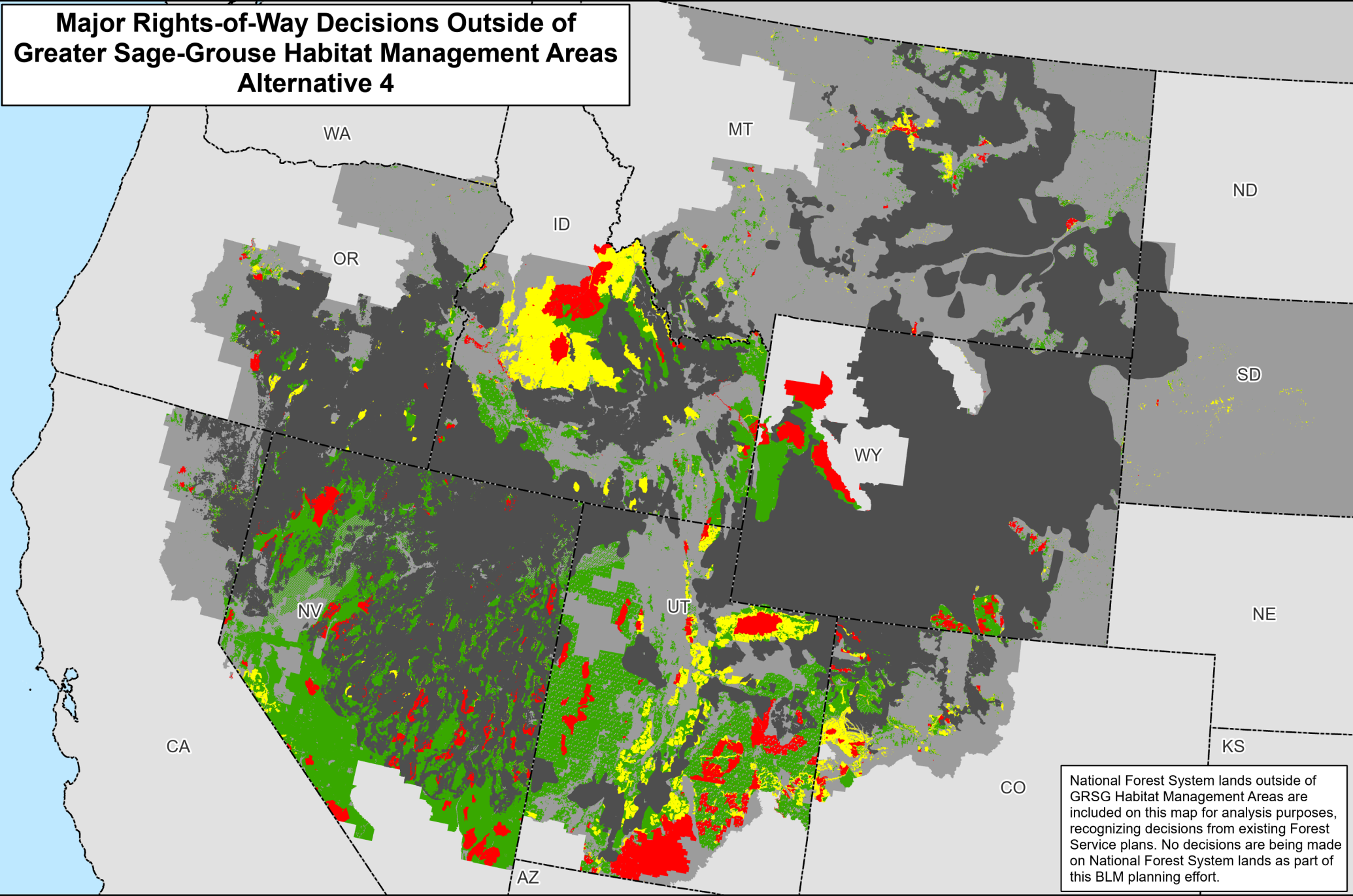
Non-Habitat Management Areas in the Planning Area Extent

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.

# Major Rights-of-Way Decisions 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 2.48b



**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Major Rights-of-Way Decisions - Exclusion

Major Rights-of-Way Decisions - Avoidance

Major Rights-of-Way Decisions - Open

GRSG Habitat Management Areas

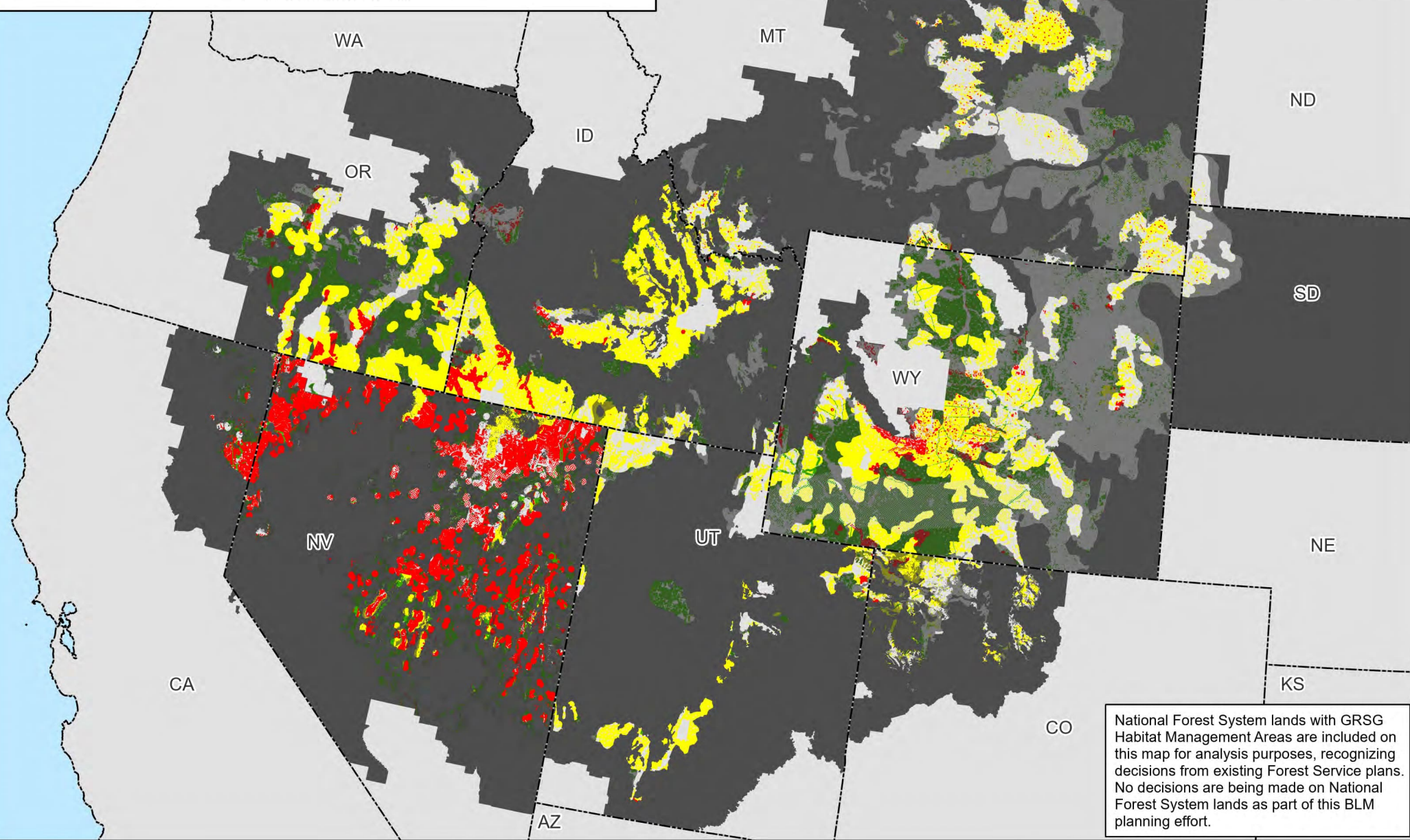
Planning Area Extent

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.



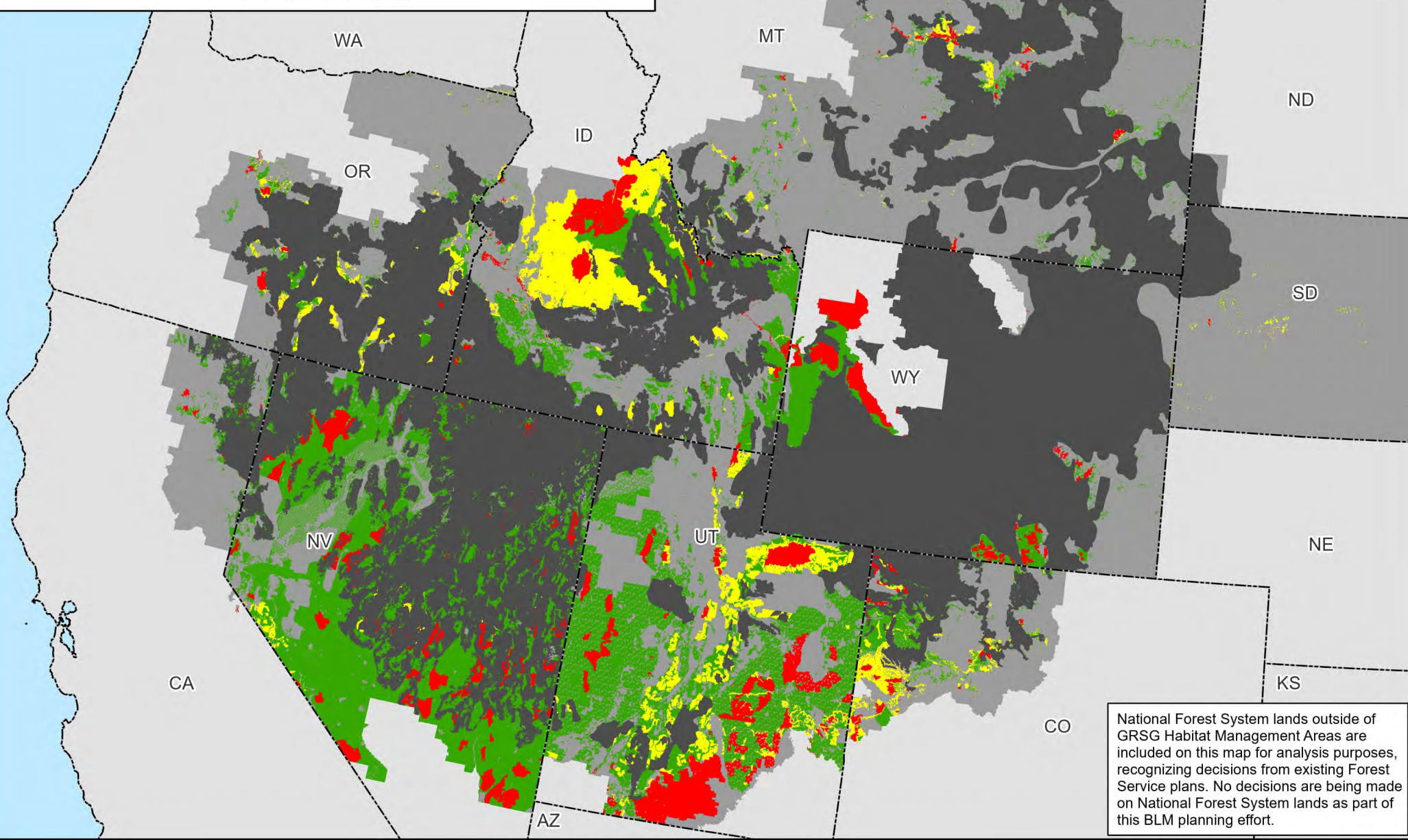
# Major Rights-of-Way Decisions and Greater Sage-Grouse Habitat Management Areas Alternative 5



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.



# Major Rights-of-Way Decisions Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



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 2.49b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

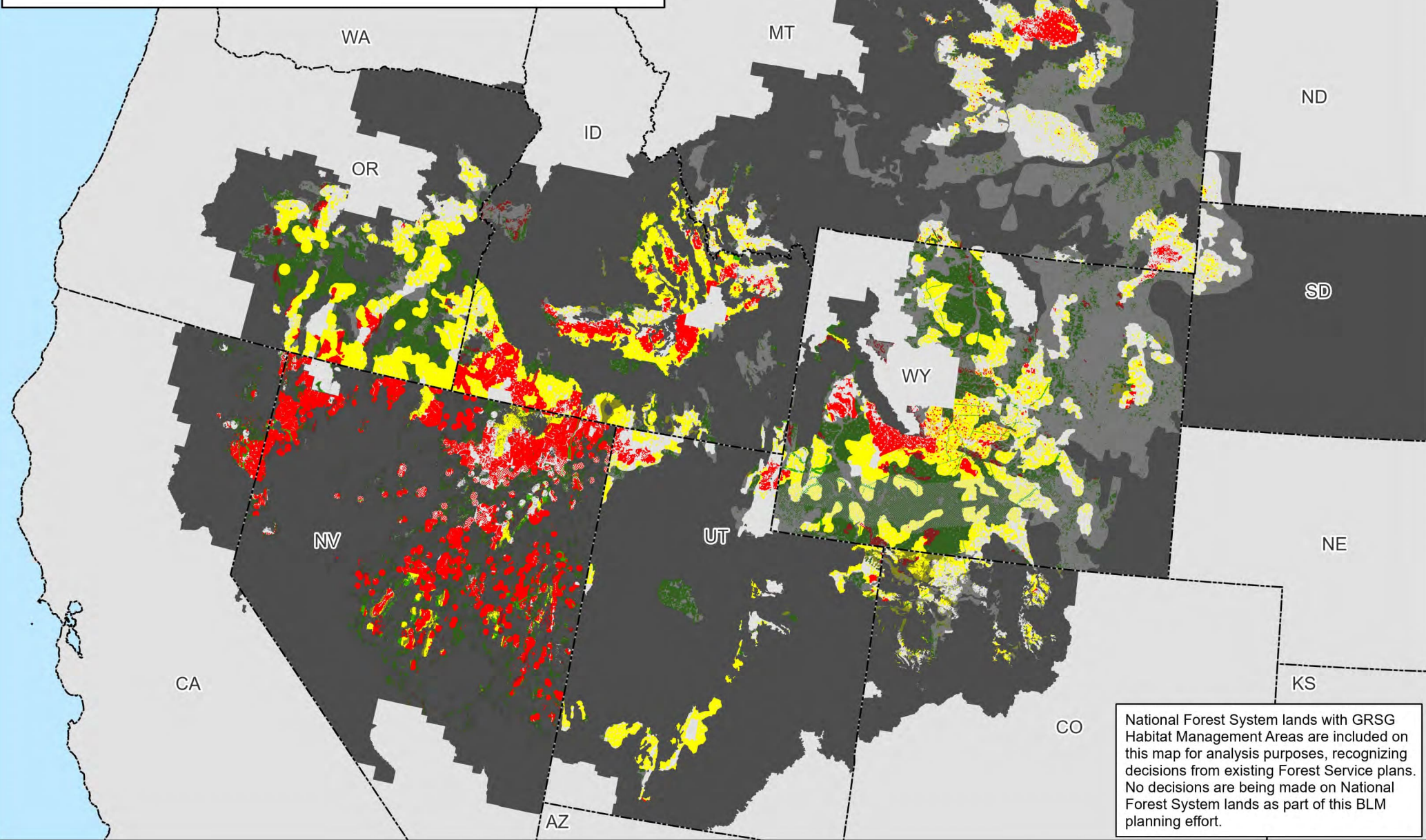
- Major Rights-of-Way Decisions - Exclusion
- Major Rights-of-Way Decisions - Avoidance
- Major Rights-of-Way Decisions - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries



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.



# Major Rights-of-Way Decisions 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 2.50a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Major Rights-of-Way Decisions - Exclusion

Major Rights-of-Way Decisions - Avoidance

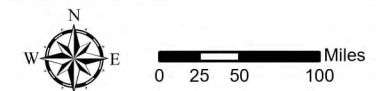
Major Rights-of-Way Decisions - Open

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

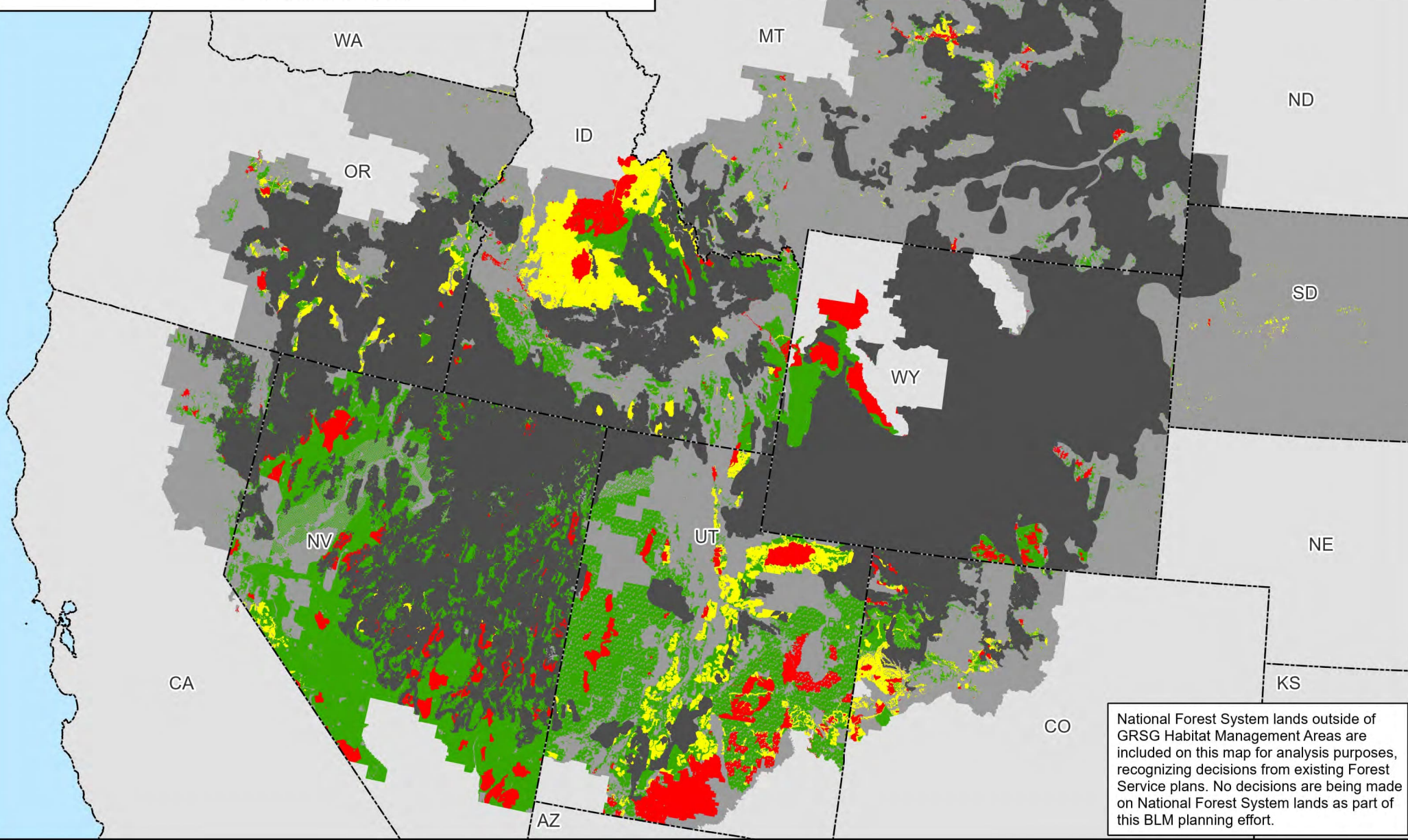


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Major Rights-of-Way Decisions Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



Map 2.50b



**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Major Rights-of-Way Decisions - Exclusion

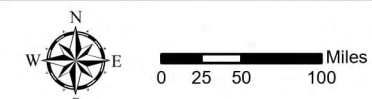
Major Rights-of-Way Decisions - Avoidance

Major Rights-of-Way Decisions - Open

GRSG Habitat Management Areas

Planning Area Extent

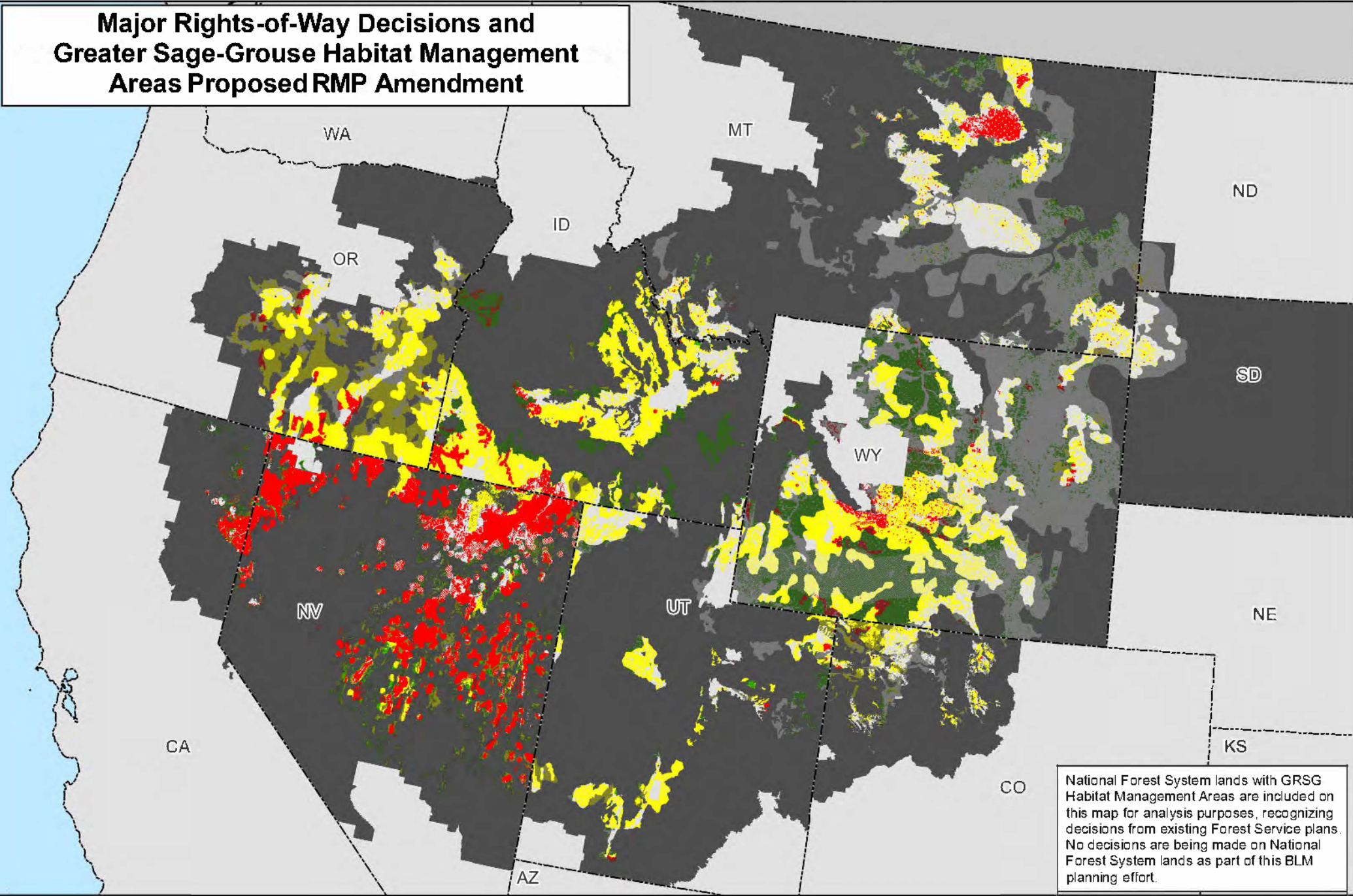
State Boundaries



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.



# Major Rights-of-Way Decisions 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 2.51a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Major Rights-of-Way Decisions - Exclusion

Major Rights-of-Way Decisions - Avoidance

Major Rights-of-Way Decisions - Open

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

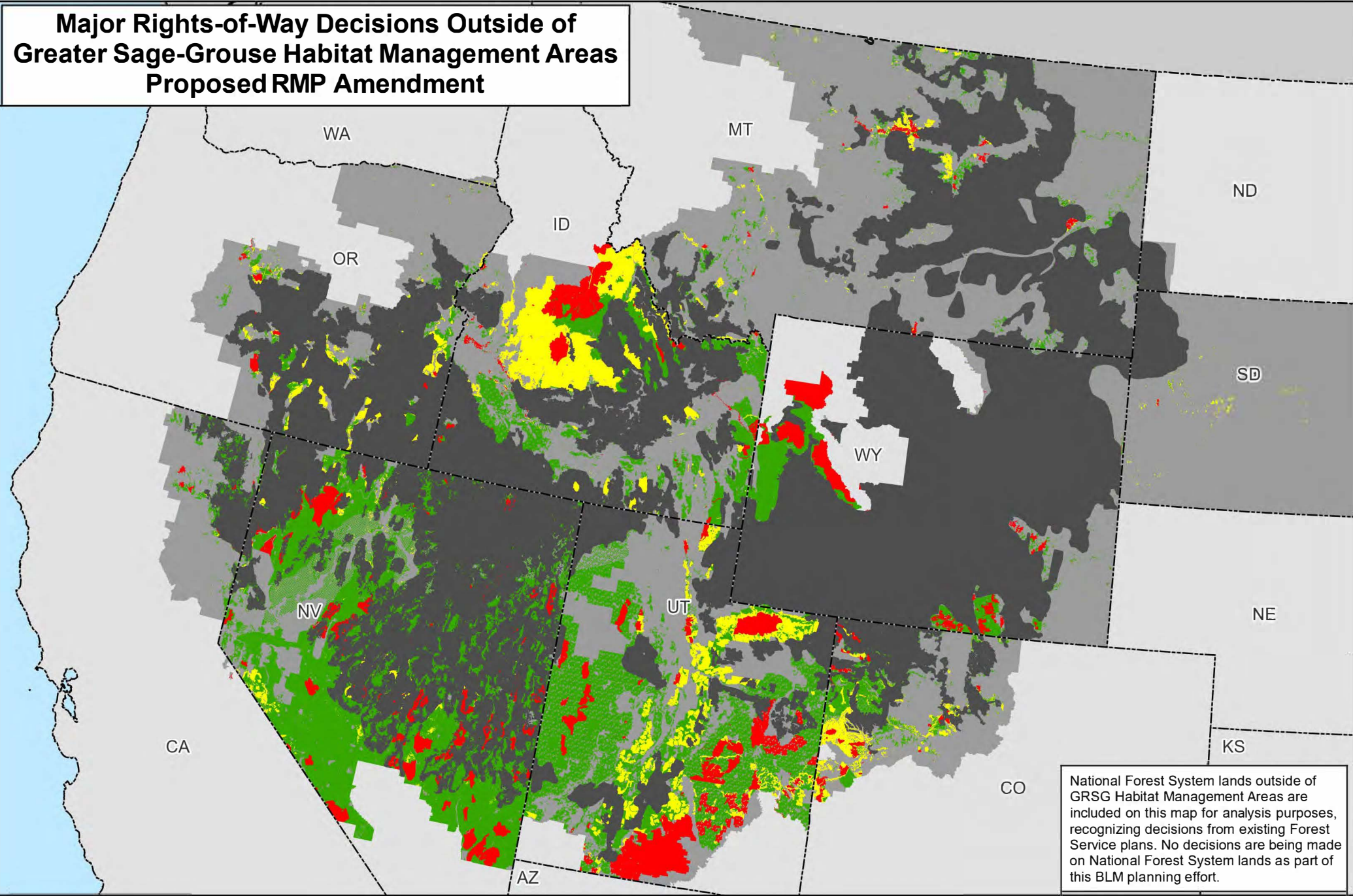


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Major Rights-of-Way Decisions 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.

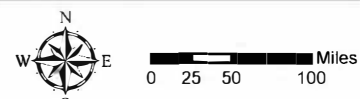
Map 2.51b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

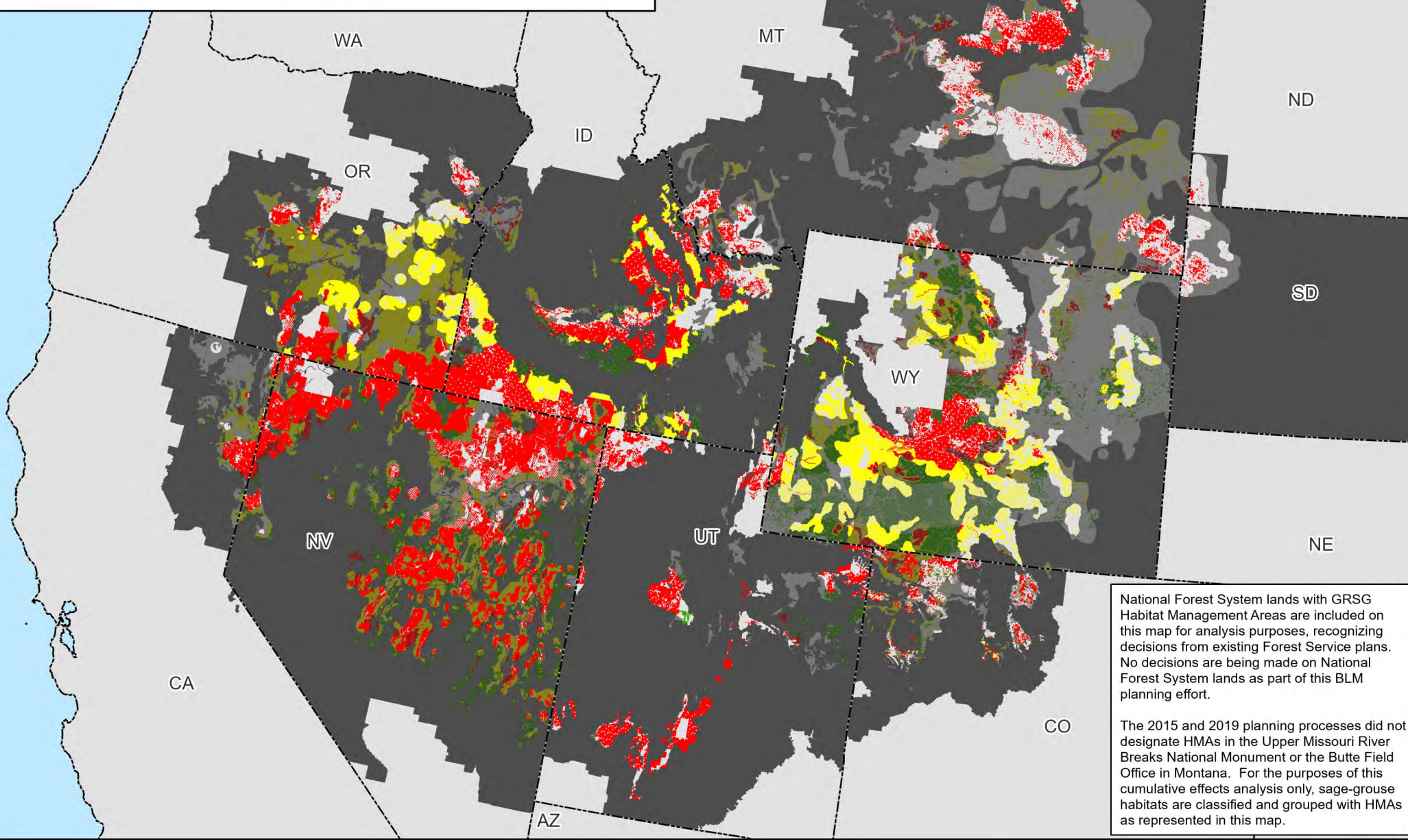
- Major Rights-of-Way Decisions - Exclusion
- Major Rights-of-Way Decisions - Avoidance
- Major Rights-of-Way Decisions - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries



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.



# Wind Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 1



Map 2.52a

PHMAs / IHMAs

GHMAs / Add'l HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

Red

Wind Energy Management - Exclusion

Yellow

Wind Energy Management - Avoidance

Green

Wind Energy Management - Open

Dark Gray

Non-Habitat Management Areas in the Planning Area Extent

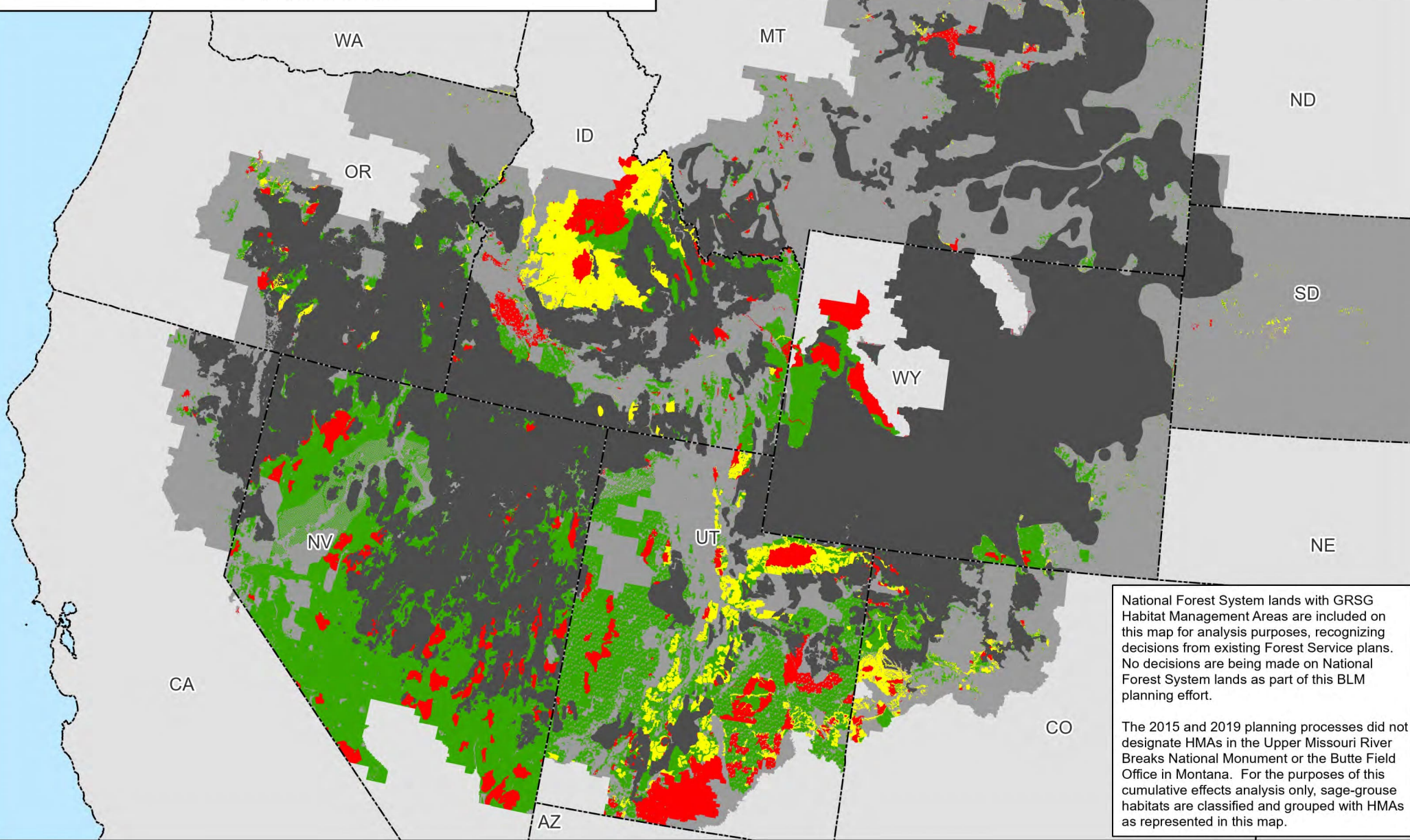
Dashed Line

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.



# Wind Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1

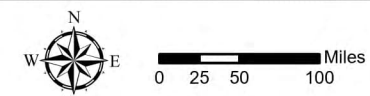


Map 2.52b

**Legend**

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

<span style="color: red;">■</span> Wind Energy Management - Exclusion	<span style="background-color: darkgrey;">■</span> GRSG Habitat Management Areas
<span style="color: yellow;">■</span> Wind Energy Management - Avoidance	<span style="background-color: lightgrey;">■</span> Planning Area Extent
<span style="color: green;">■</span> Wind Energy Management - Open	<span style="border: 1px dashed black;"> </span> State Boundaries

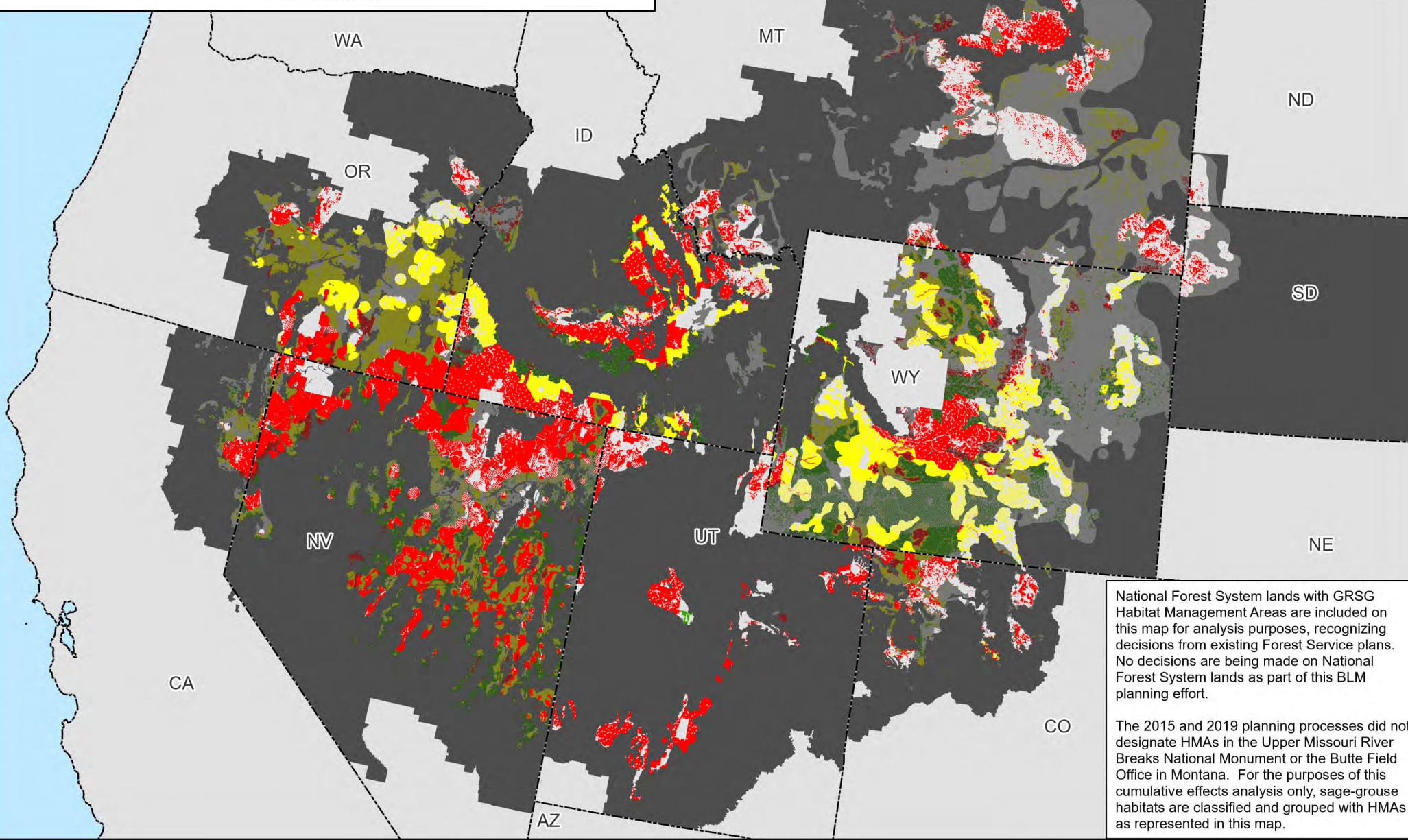


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Wind Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 2



Map 2.53a

PHMAs / IHMAs

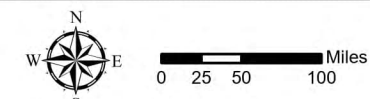
GHMAs / Add'l HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span>	Wind Energy Management - Exclusion	<span style="display:inline-block; width:15px; height:15px; background-color:darkgrey; border:1px solid black;"></span>	Non-Habitat Management Areas in the Planning Area Extent
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span>	Wind Energy Management - Avoidance	<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span>	State Boundaries
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span>	Wind Energy Management - Open		

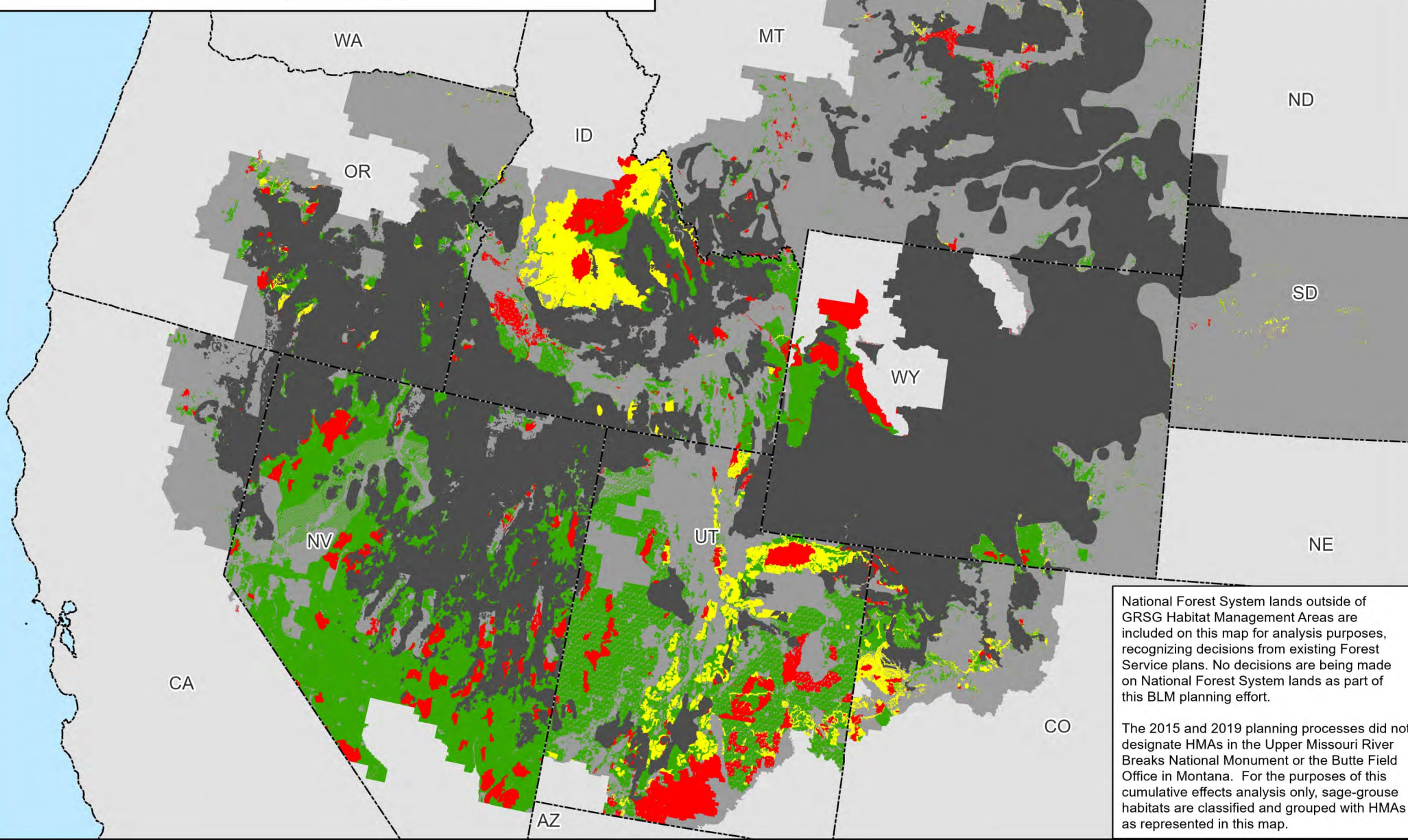


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Wind Energy Management 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 2.53b



**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

GRSG Habitat Management Areas

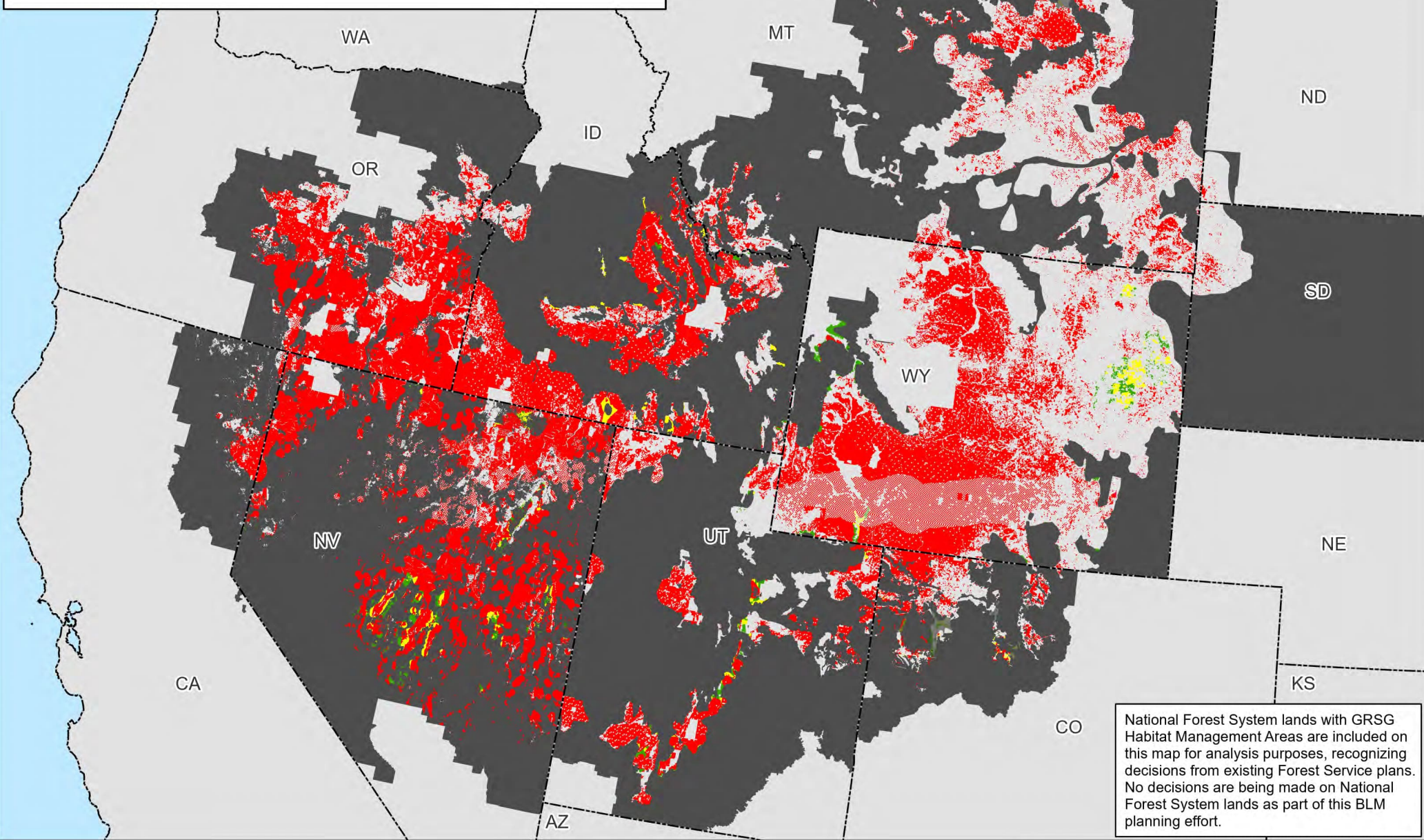
Planning Area Extent

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.



# Wind Energy Management 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 2.54a

PHMAs

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

Additional HMAs

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

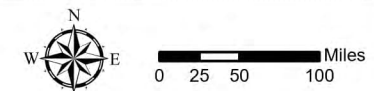
Legend

Non-Shaded Areas: PHMAs

Shaded Areas: Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

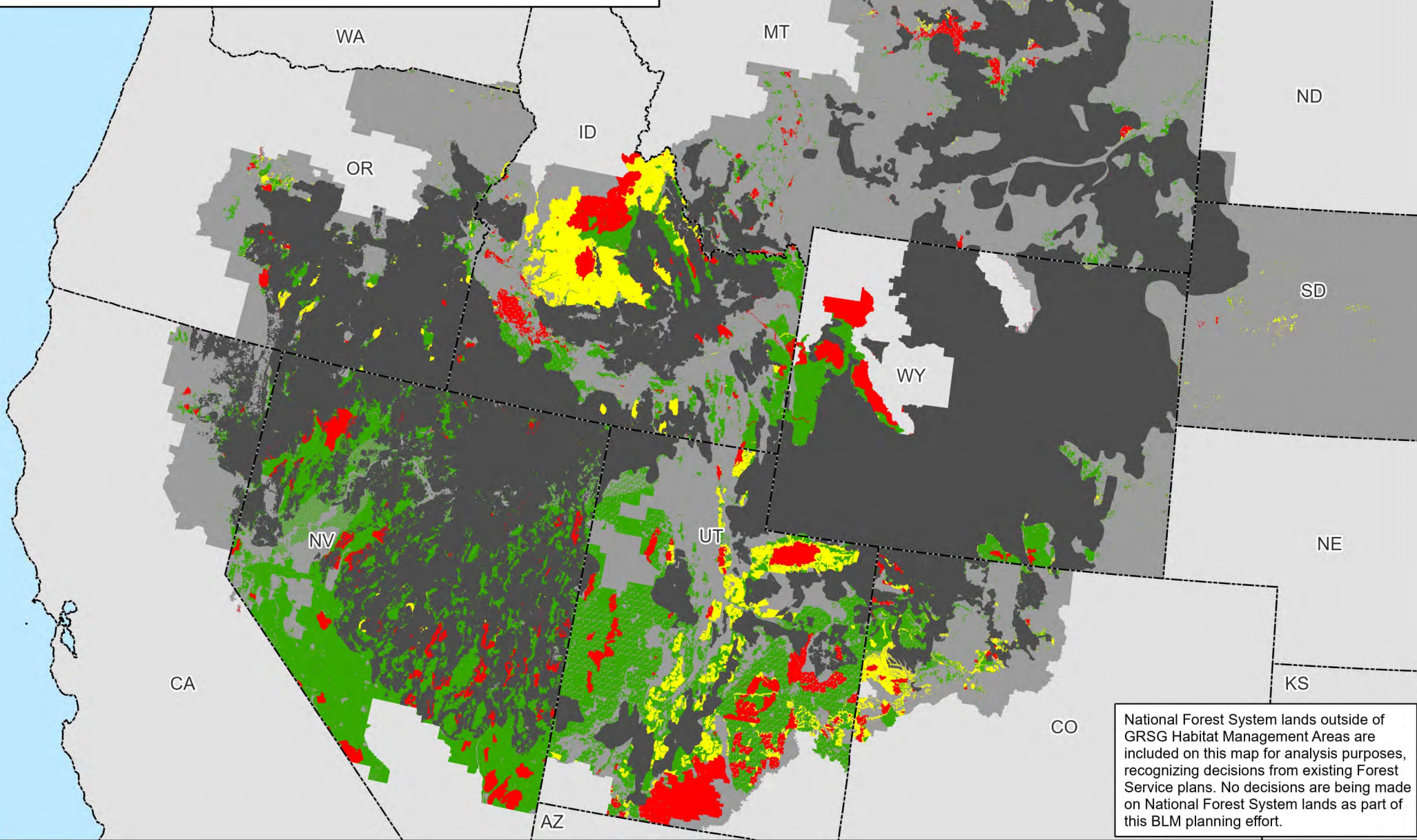
State Boundaries



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.



# Wind Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.54b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

GRSG Habitat Management Areas

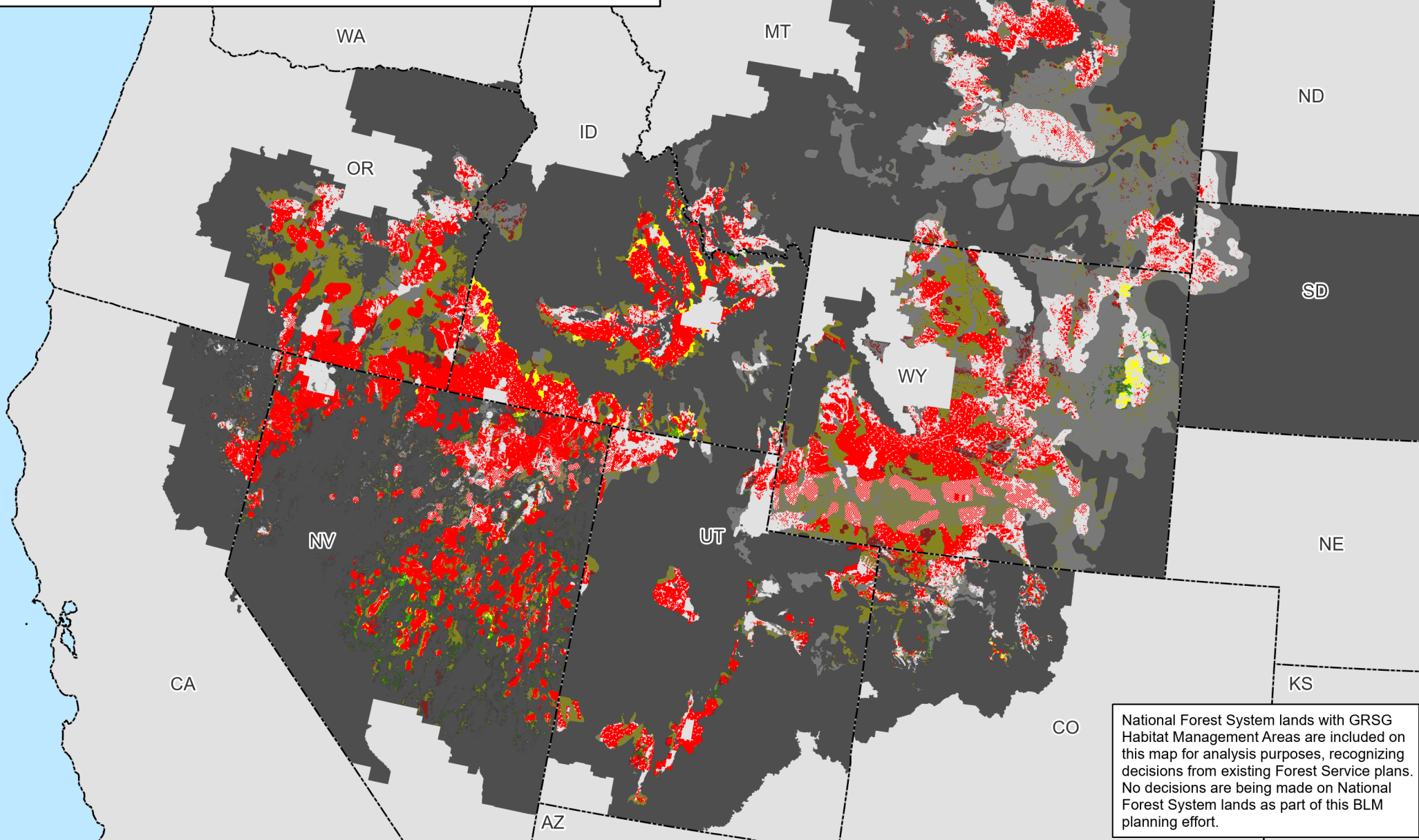
Planning Area Extent

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.



# Wind Energy Management 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 2.55a

PHMAs / IHMAs

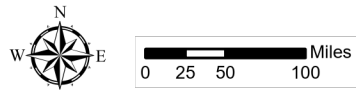
GHMAs / Add'l HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

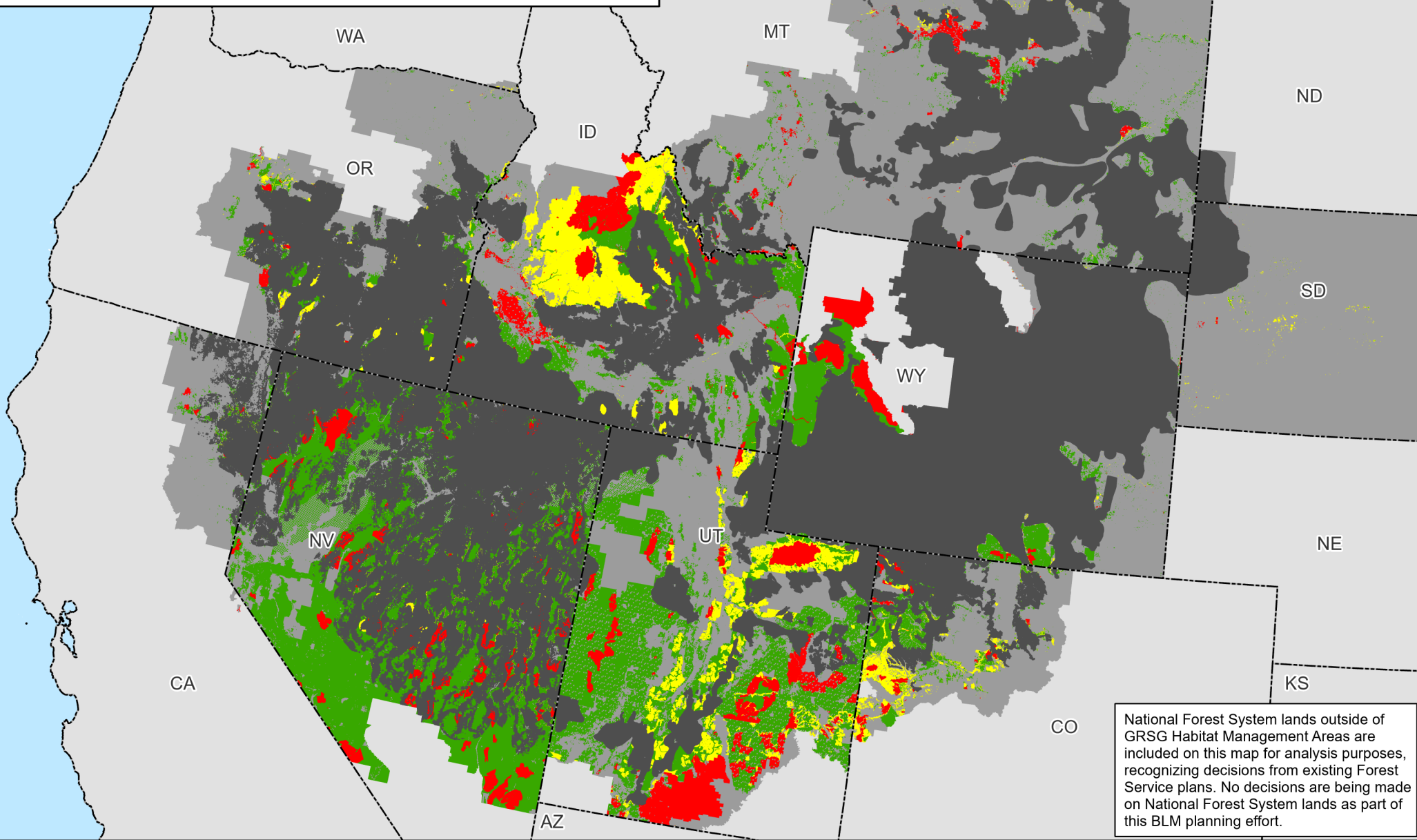
<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Wind Energy Management - Exclusion	<span style="display:inline-block; width:15px; height:15px; background-color:gray; border:1px solid black;"></span> Non-Habitat Management Areas in the Planning Area Extent
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Wind Energy Management - Avoidance	<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span> State Boundaries
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Wind Energy Management - Open	



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.



# Wind Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.55b

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

- |  |  |
|--|--|
| <span style="color: red;">■</span> Wind Energy Management - Exclusion    | <span style="background-color: darkgray;">■</span> GRSG Habitat Management Areas |
| <span style="color: yellow;">■</span> Wind Energy Management - Avoidance | <span style="background-color: gray;">■</span> Planning Area Extent              |
| <span style="color: green;">■</span> Wind Energy Management - Open       | <span style="border: 1px dashed black;"> </span> State Boundaries                |

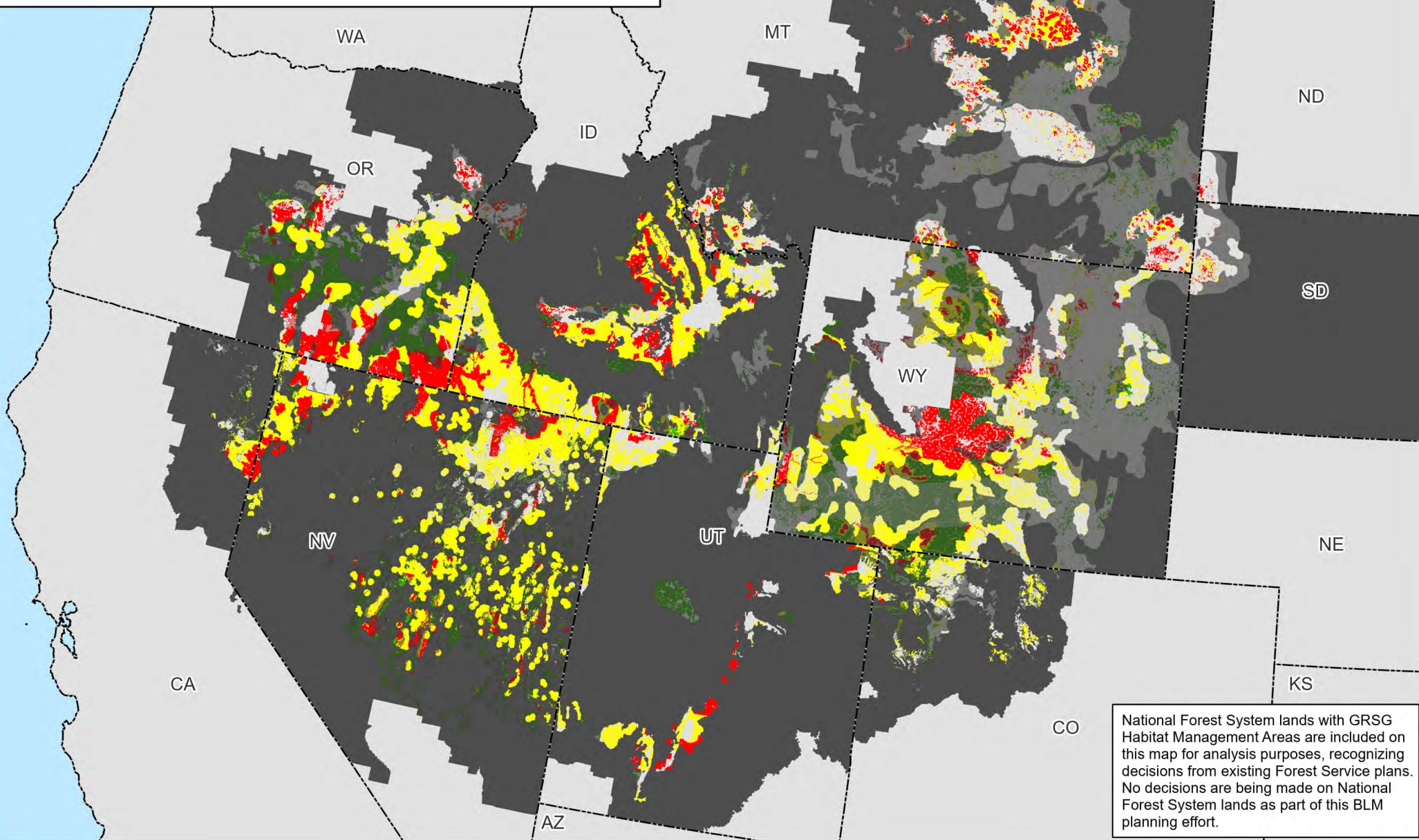


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





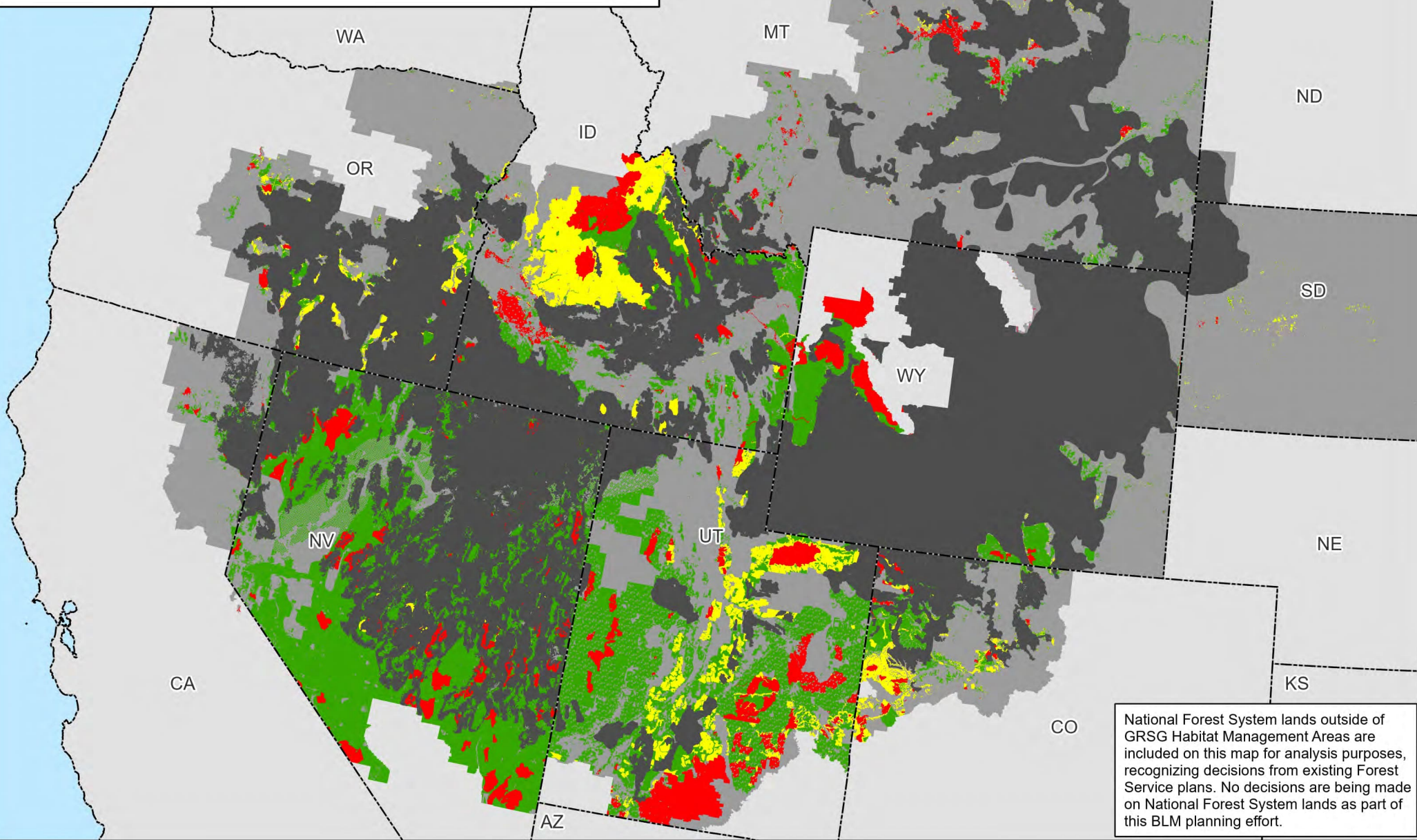
# Wind Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 5



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.



# Wind Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5

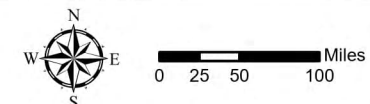


National Forest System lands outside of GRSG Habitat Management Areas are included on this map for analysis purposes, recognizing decisions from existing Forest Service plans. No decisions are being made on National Forest System lands as part of this BLM planning effort.

Map 2.56b

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

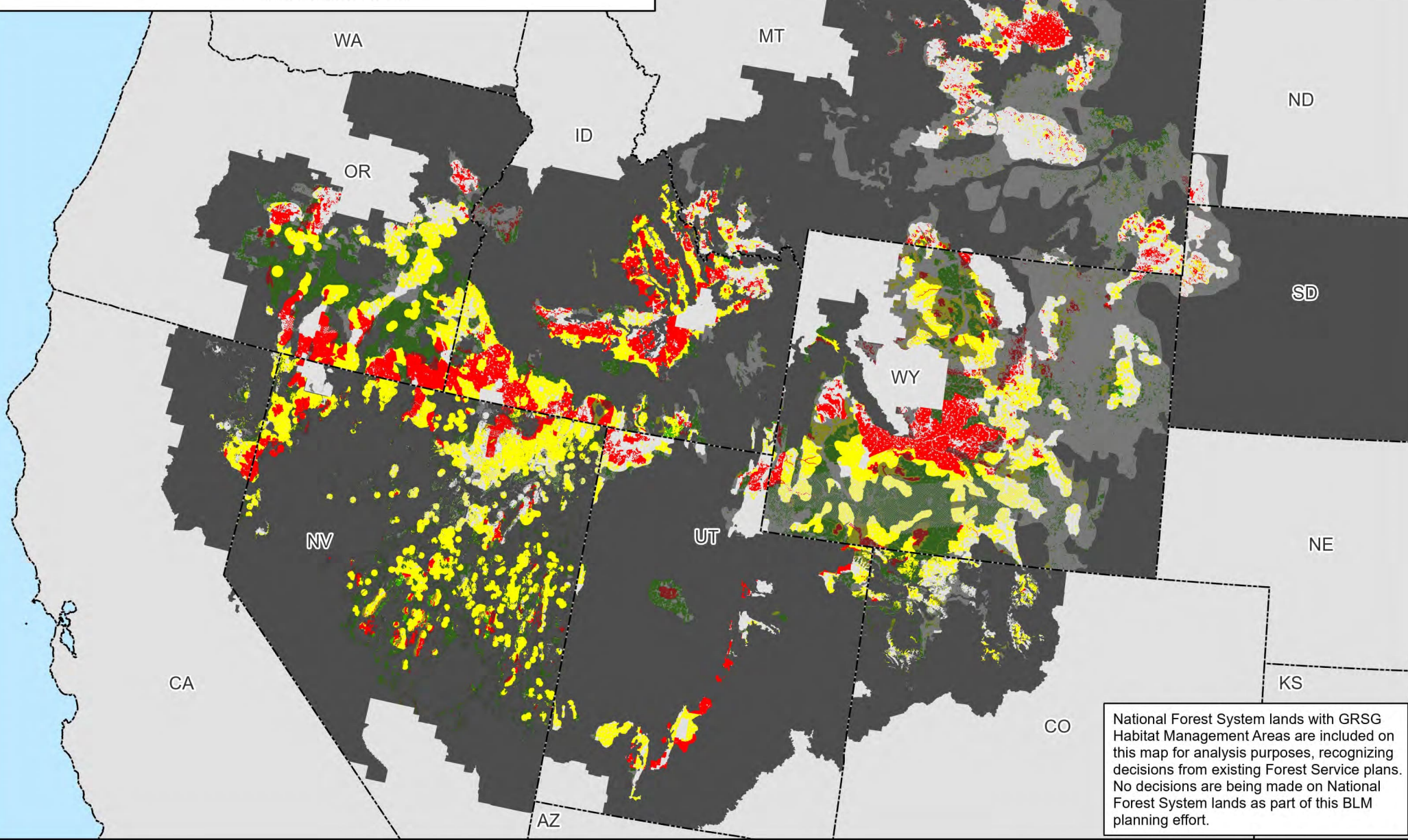
- |  |   |
|--|---|
| <span style="color: red;">■</span> Wind Energy Management - Exclusion    | <span style="background-color: black; color: black;">■</span> GRSG Habitat Management Areas                 |
| <span style="color: yellow;">■</span> Wind Energy Management - Avoidance | <span style="background-color: lightgrey; color: black;">■</span> Planning Area Extent                      |
| <span style="color: green;">■</span> Wind Energy Management - Open       | <span style="border-bottom: 1px dashed black; display: inline-block; width: 20px;"></span> 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.



# Wind Energy Management 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 2.57a

PHMAs / IHMAs

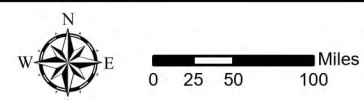
GHMAs / Add'l HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

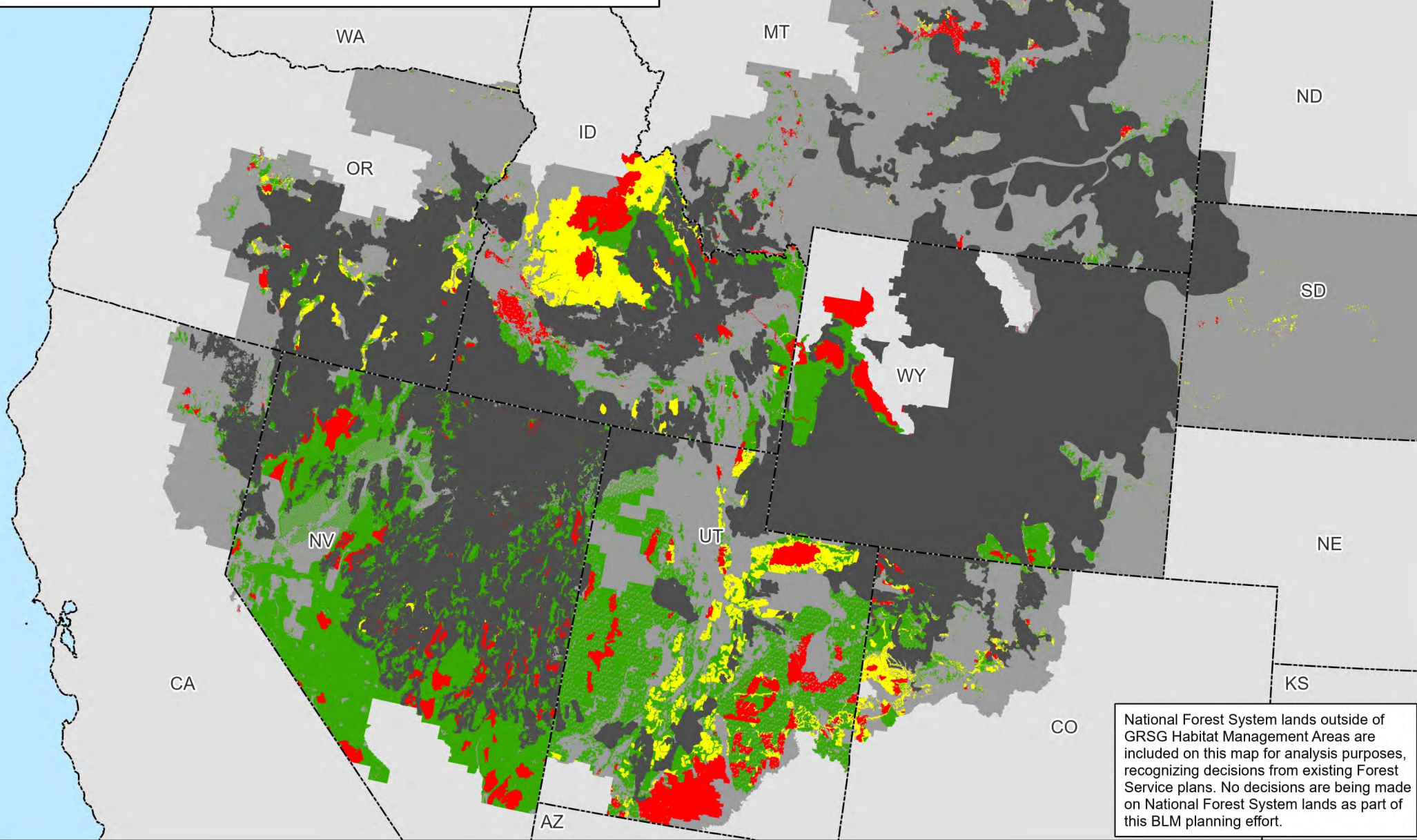
<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Wind Energy Management - Exclusion	<span style="display:inline-block; width:15px; height:15px; background-color:darkgrey; border:1px solid black;"></span> Non-Habitat Management Areas in the Planning Area Extent
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Wind Energy Management - Avoidance	<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span> State Boundaries
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Wind Energy Management - Open	



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.



# Wind Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



Map 2.57b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

GRSG Habitat Management Areas

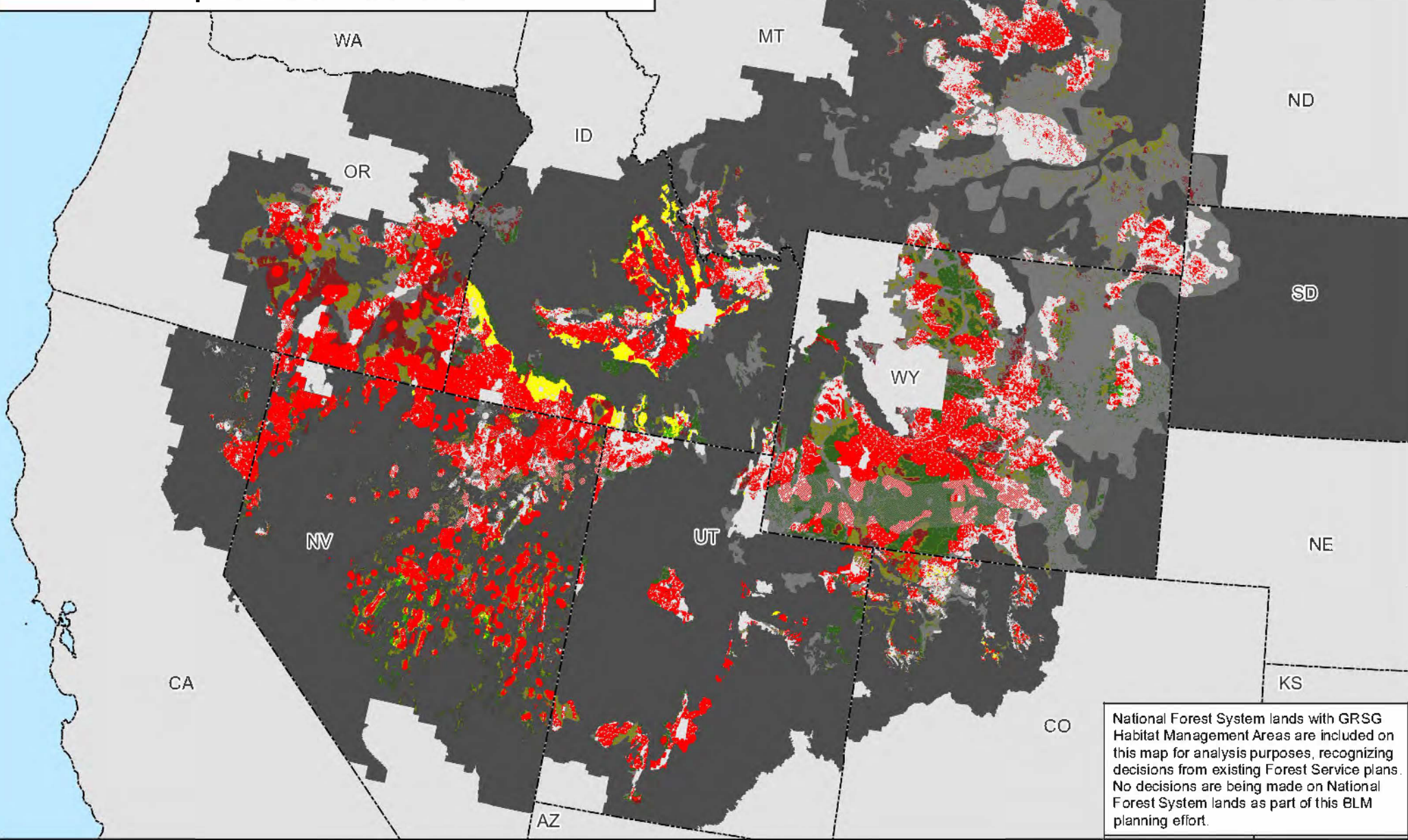
Planning Area Extent

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.



# **Wind Energy Management 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 2.58a**

PHMAs / IHMAs

GHMAs / Additional HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

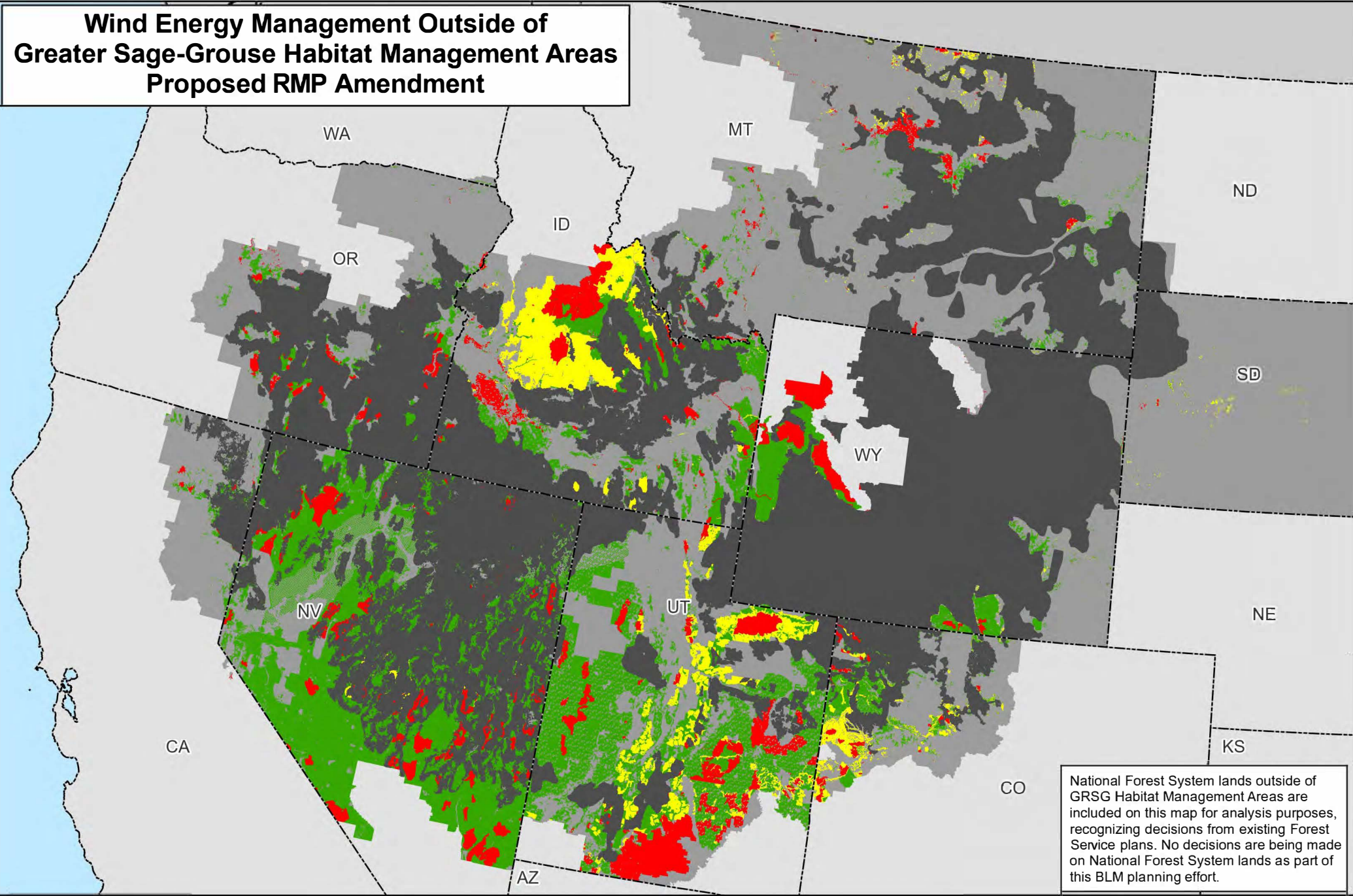
Non-Habitat Management Areas in the Planning Area Extent

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.



# Wind Energy Management 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 2.58b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Wind Energy Management - Exclusion

Wind Energy Management - Avoidance

Wind Energy Management - Open

GRSG Habitat Management Areas

Planning Area Extent

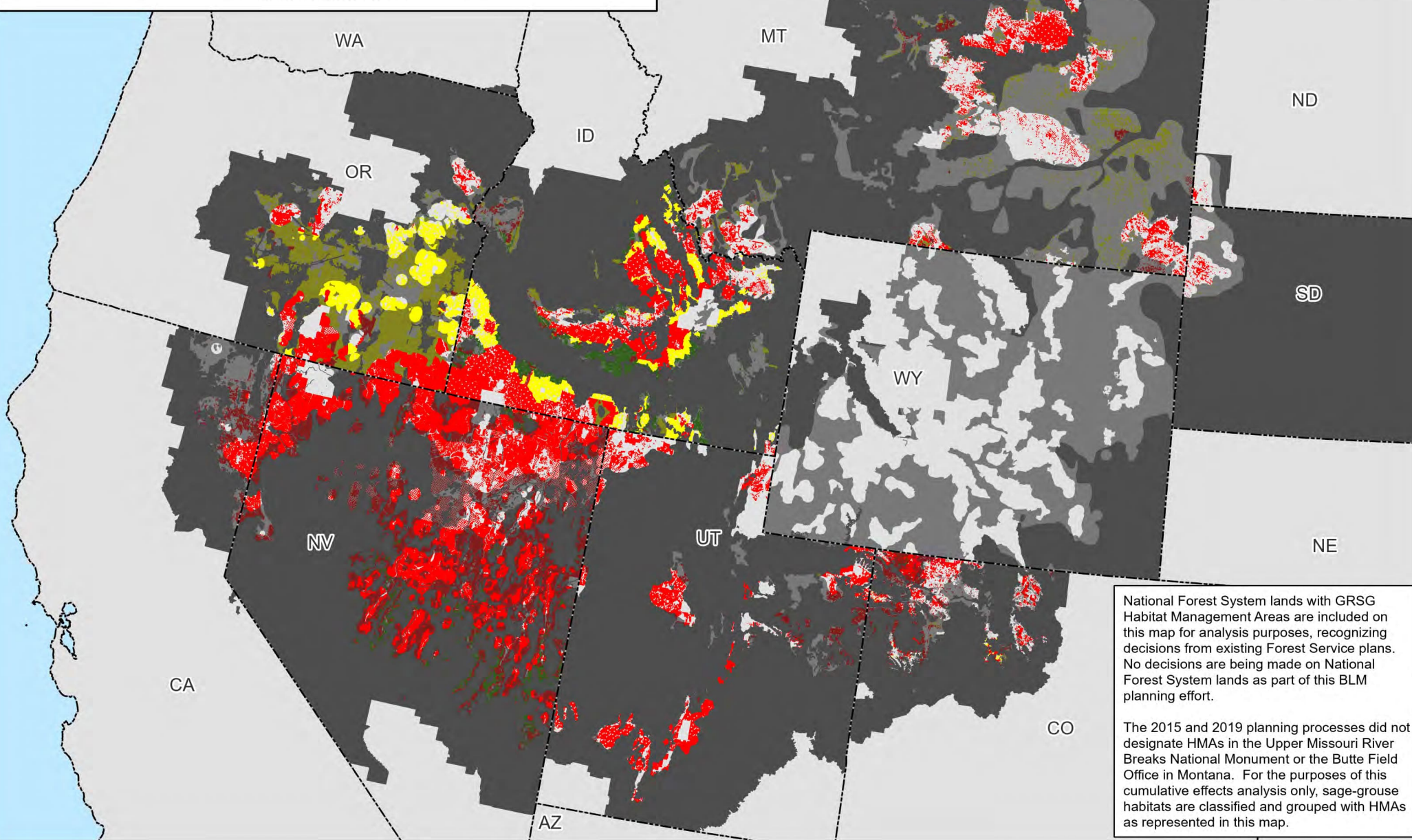
State Boundaries

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.





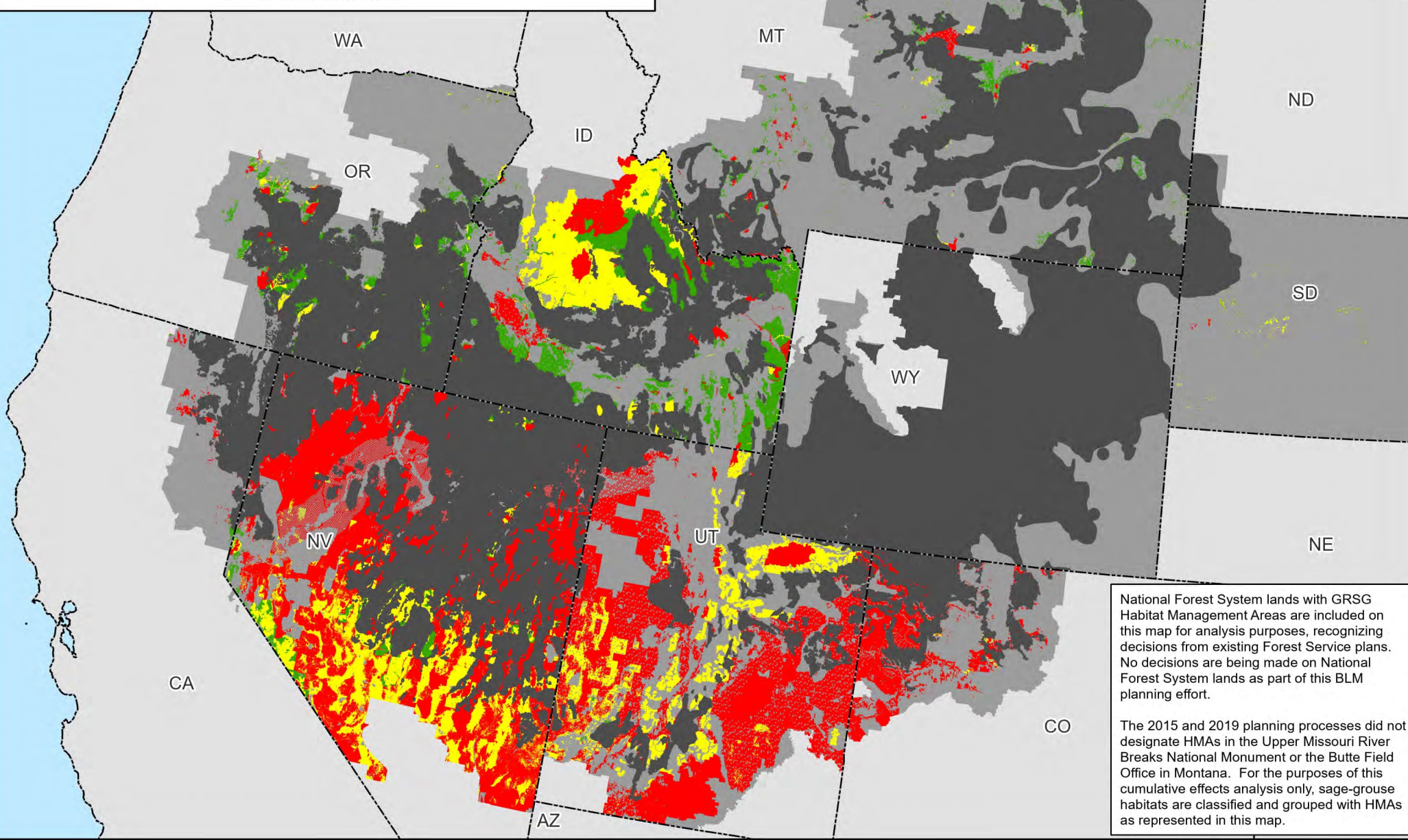
# Solar Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 1



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.



# Solar Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1

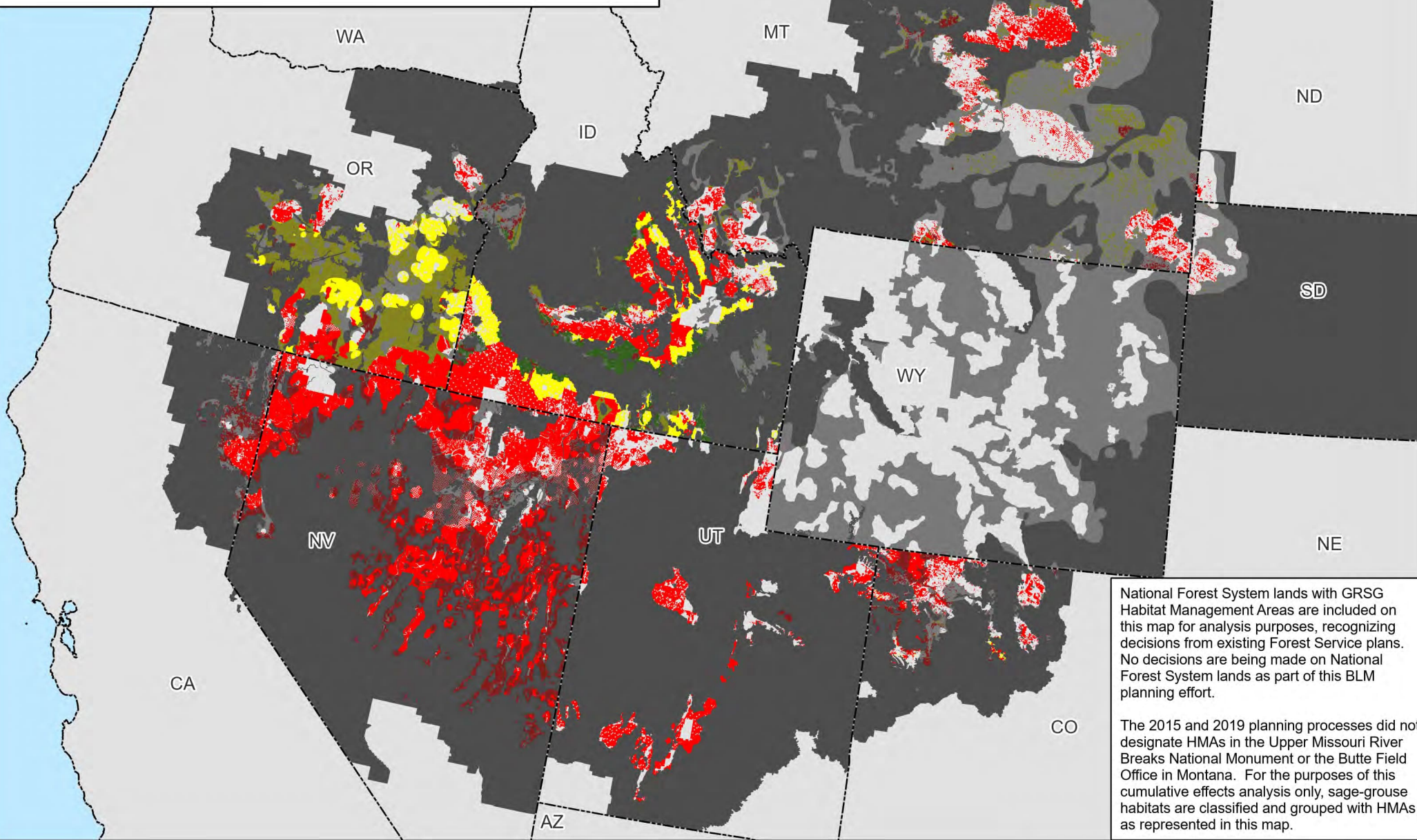


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

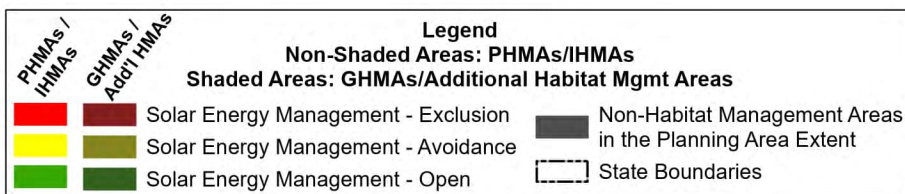




# Solar Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 2



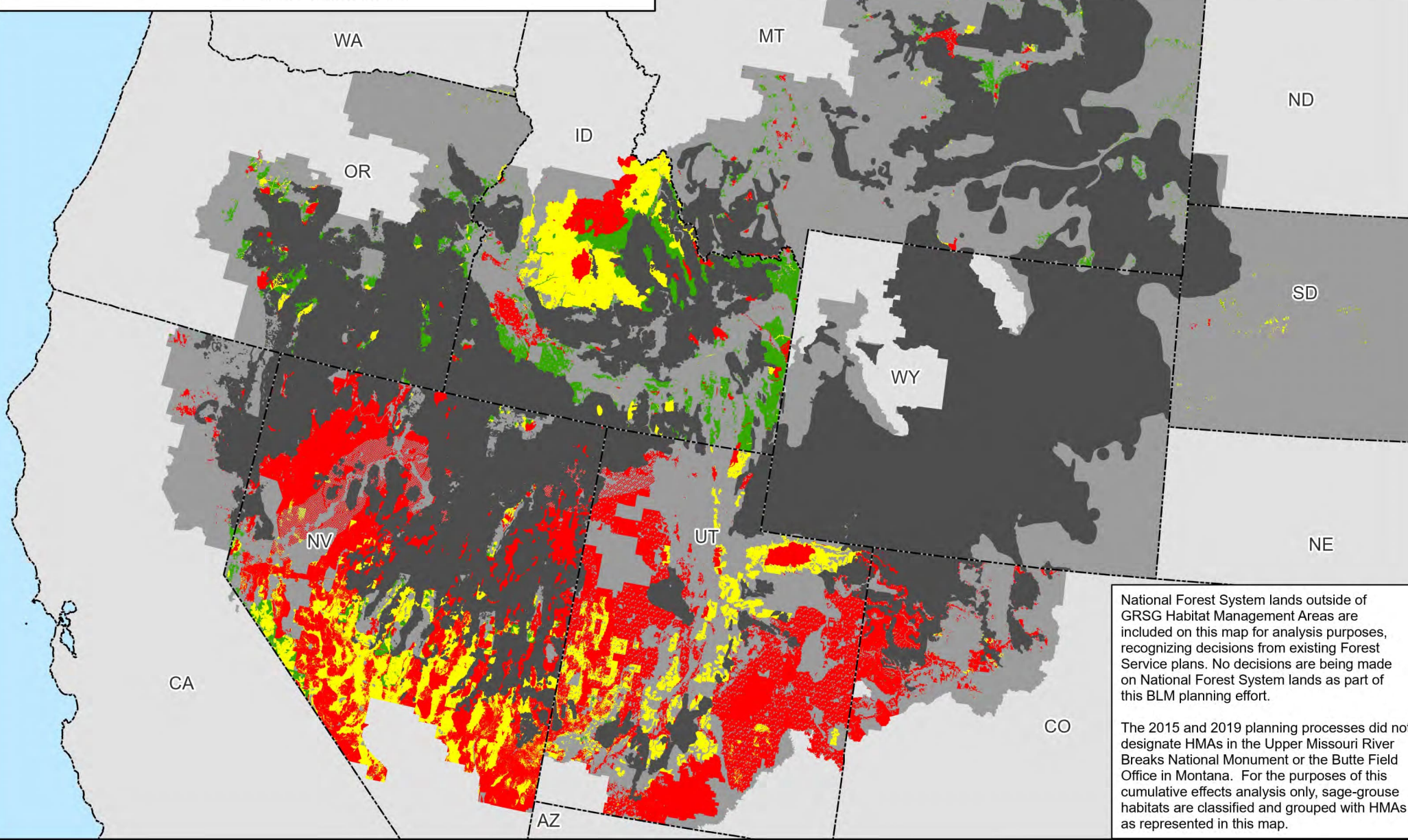
Map 2.60a



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.



# Solar Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



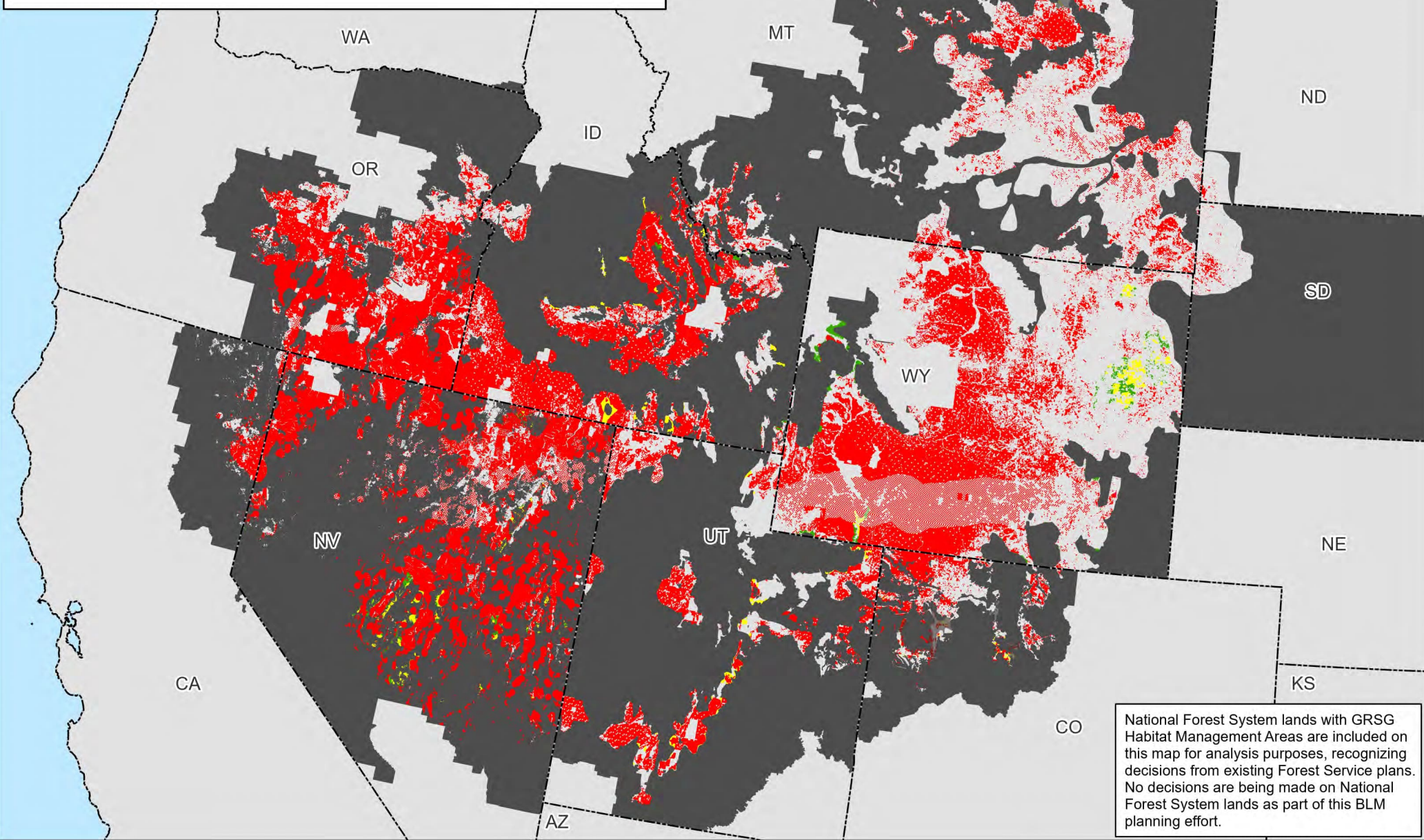
Map 2.60b



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.



# Solar Energy Management 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 2.61a

PHMAs

Add'l HMAs

Solar Energy Management - Exclusion

Solar Energy Management - Avoidance

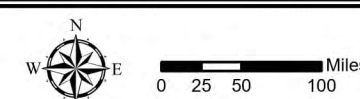
Solar Energy Management - Open

Non-Shaded Areas: PHMAs

Shaded Areas: Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

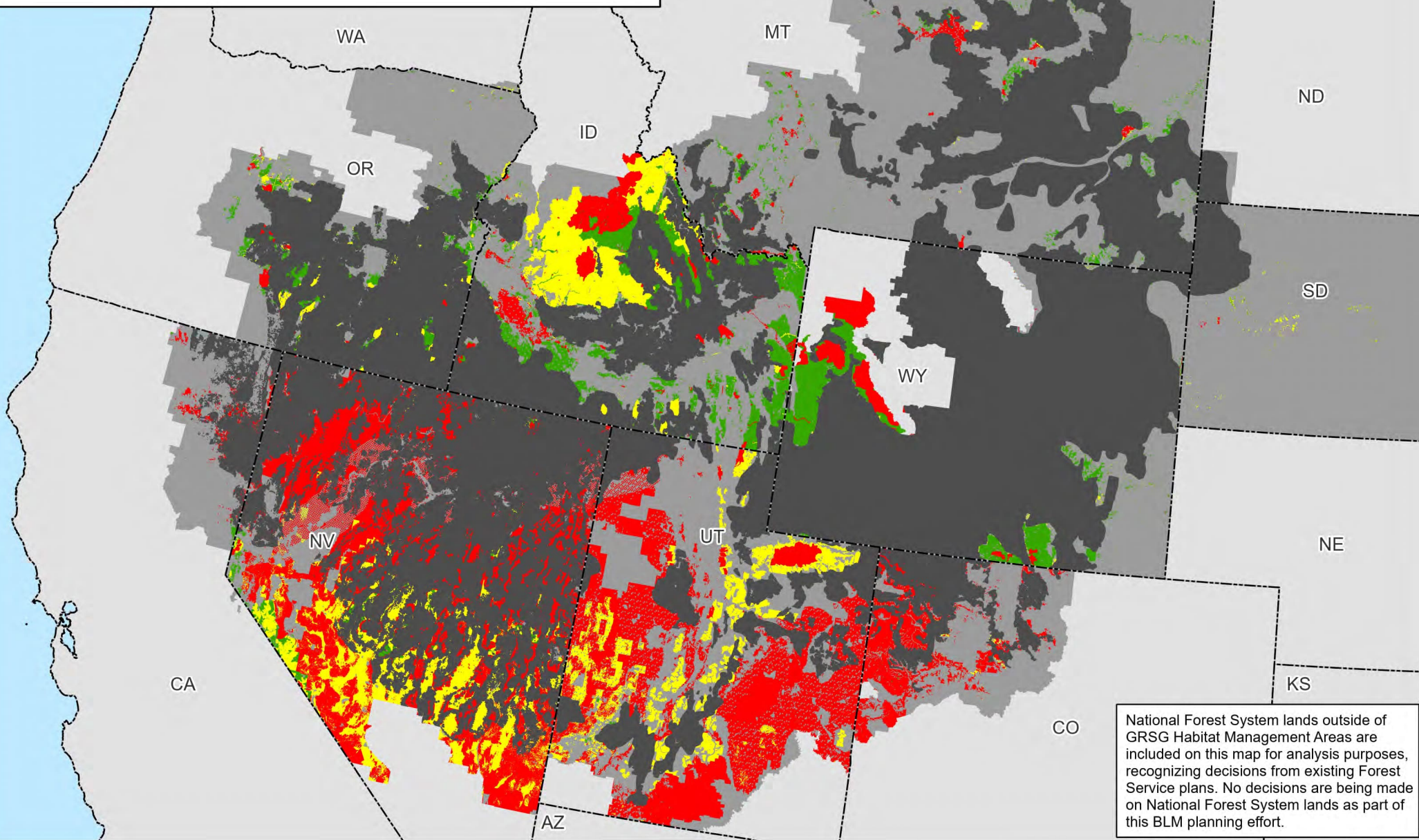


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Solar Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.61b



**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Solar Energy Management - Exclusion

Solar Energy Management - Avoidance

Solar Energy Management - Open

GRSG Habitat Management Areas

Planning Area Extent

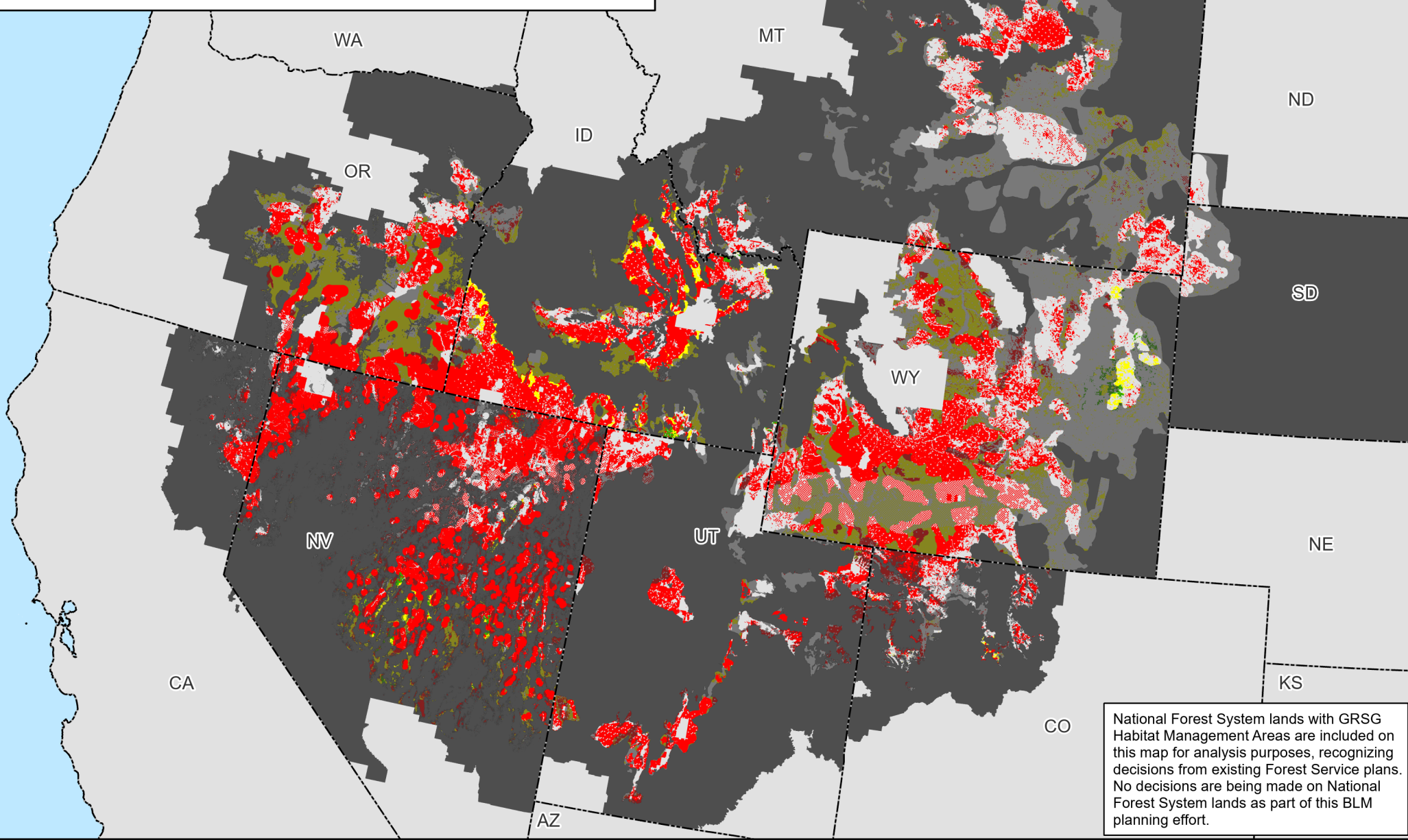
State Boundaries

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.



# Solar Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.62a

PHMAs / IHMAs

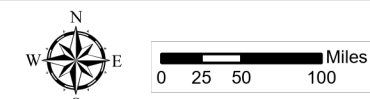
GHMAs / Additional HMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span>	Solar Energy Management - Exclusion	<span style="display:inline-block; width:15px; height:15px; background-color:gray; border:1px solid black;"></span>	Non-Habitat Management Areas in the Planning Area Extent
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span>	Solar Energy Management - Avoidance	<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span>	State Boundaries
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span>	Solar Energy Management - Open		

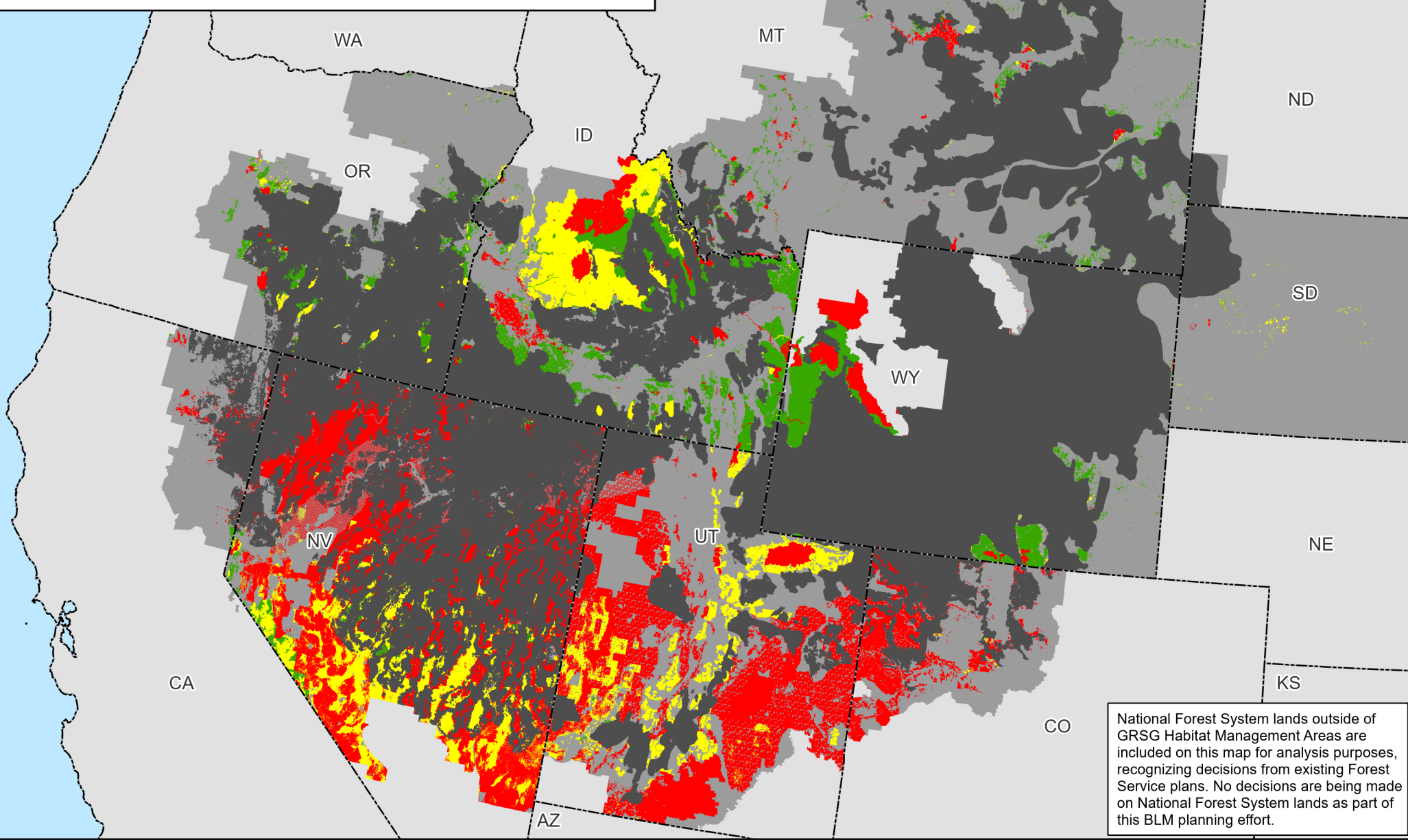


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Solar Energy Management 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 2.62b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

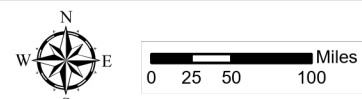
- Solar Energy Management - Exclusion
- Solar Energy Management - Avoidance
- Solar Energy Management - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

- Solar Energy Management - Exclusion
- Solar Energy Management - Avoidance
- Solar Energy Management - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

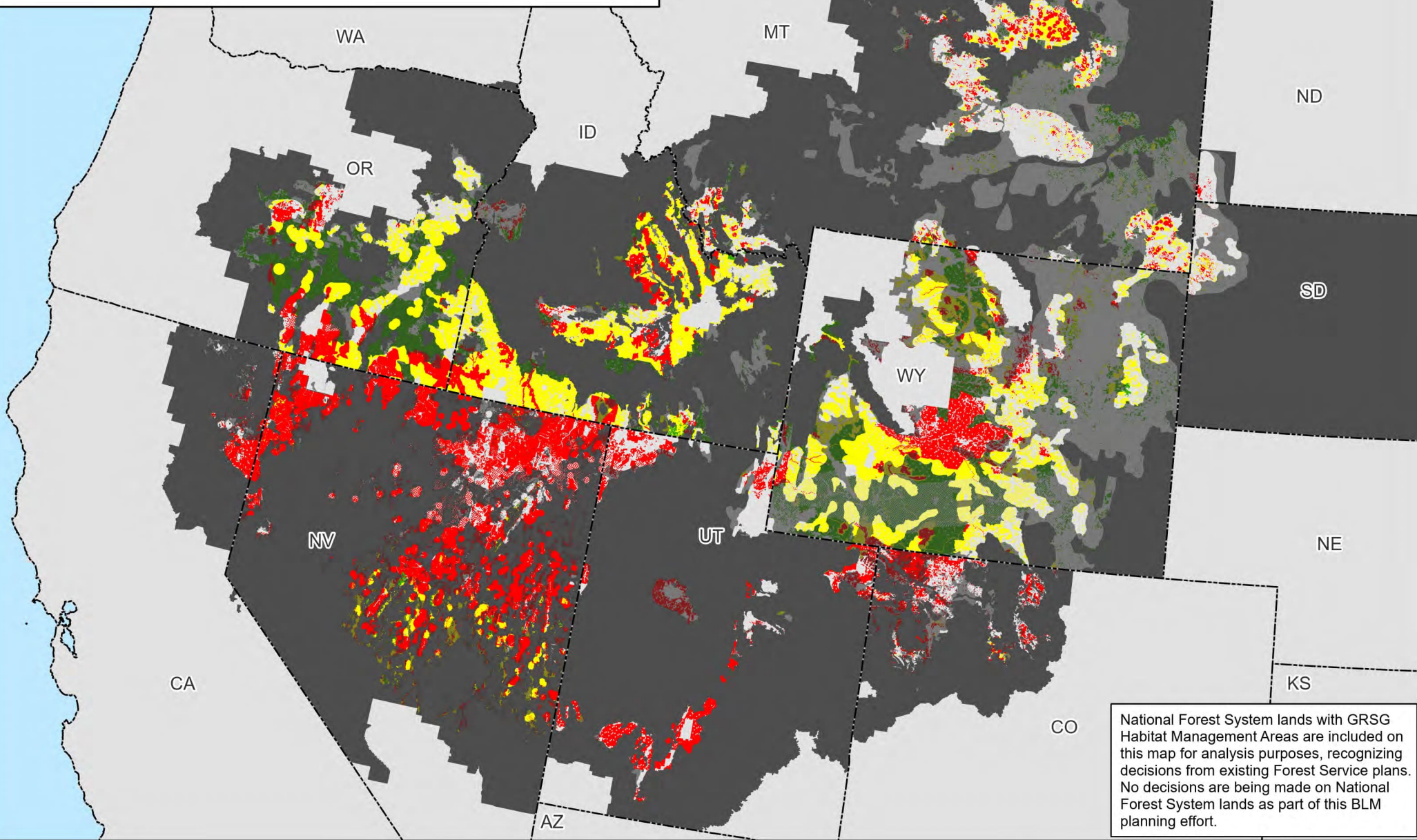


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

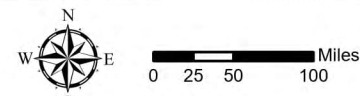
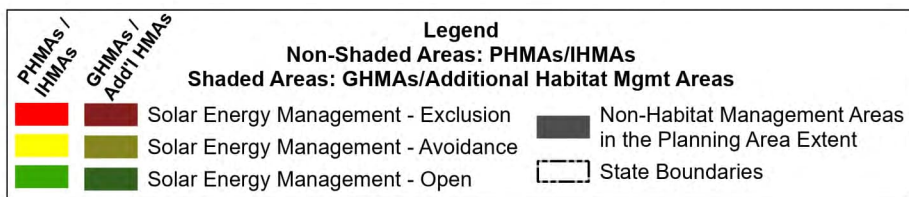




# Solar Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 5



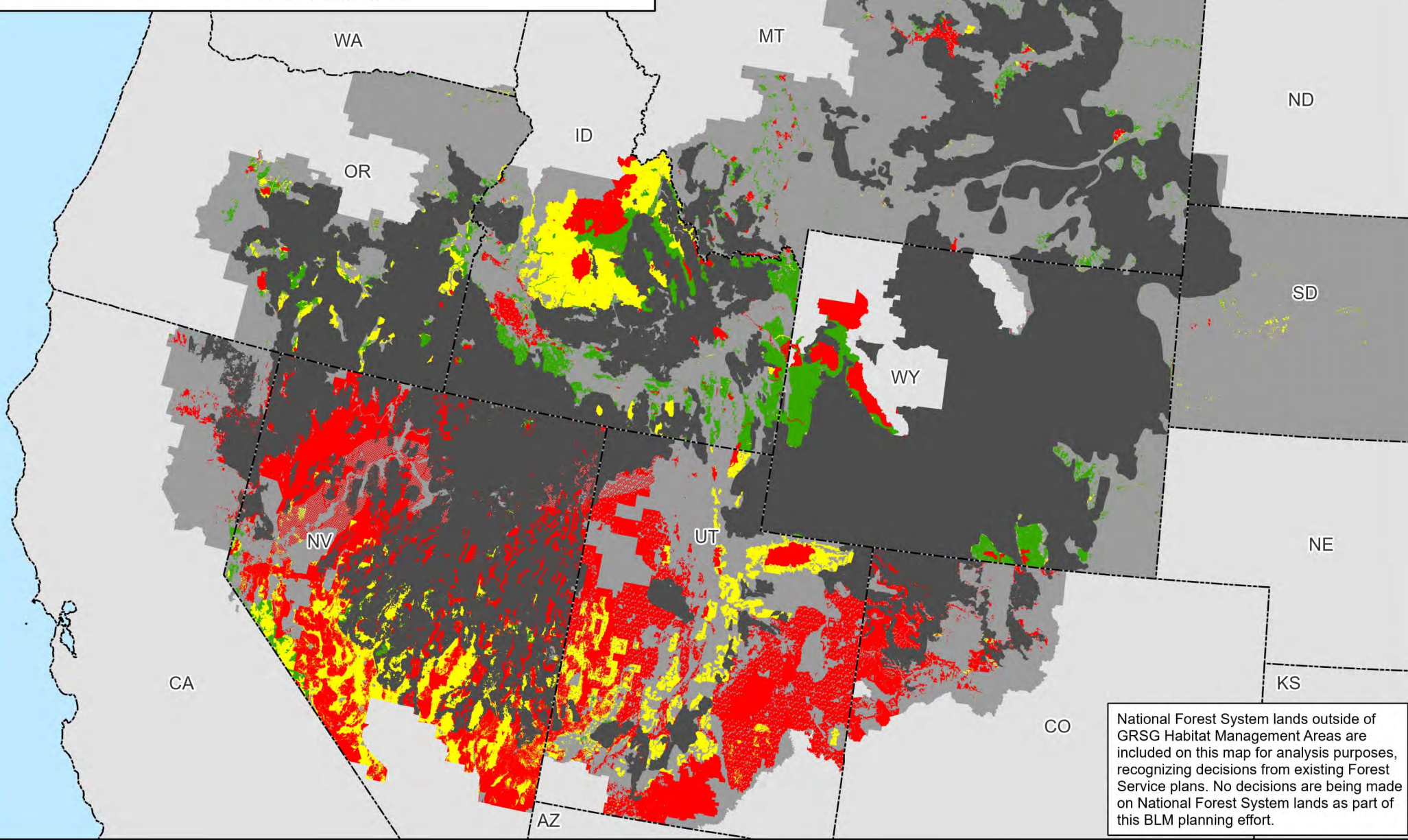
Map 2.63a



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.



# Solar Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



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.

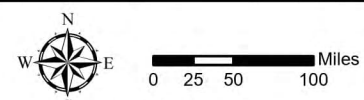
Map 2.63b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

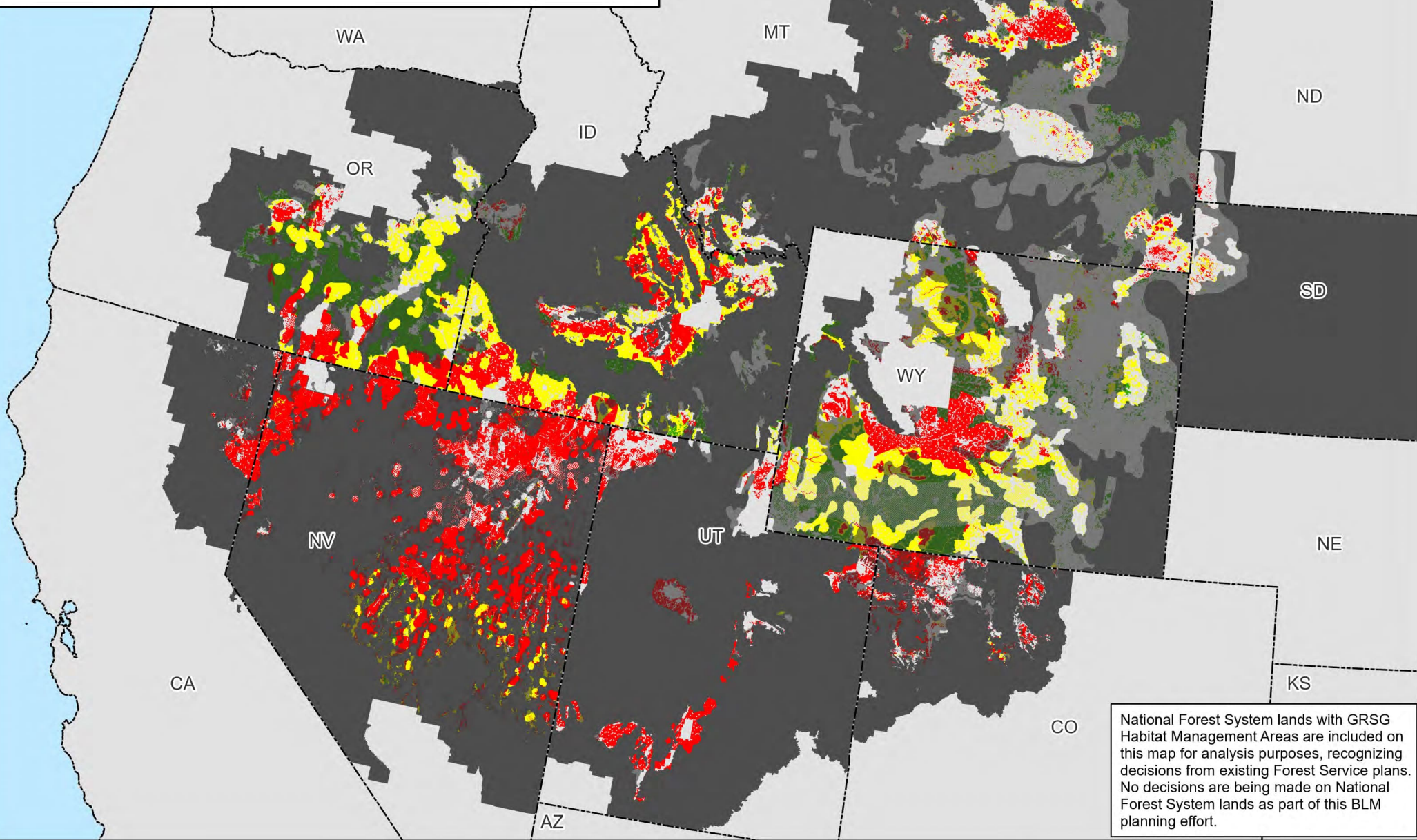
- Solar Energy Management - Exclusion
- Solar Energy Management - Avoidance
- Solar Energy Management - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries



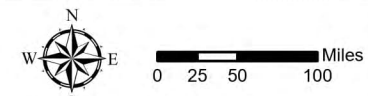
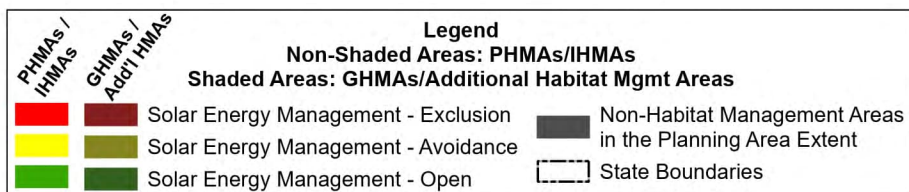
No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



# Solar Energy Management and Greater Sage-Grouse Habitat Management Areas Alternative 6



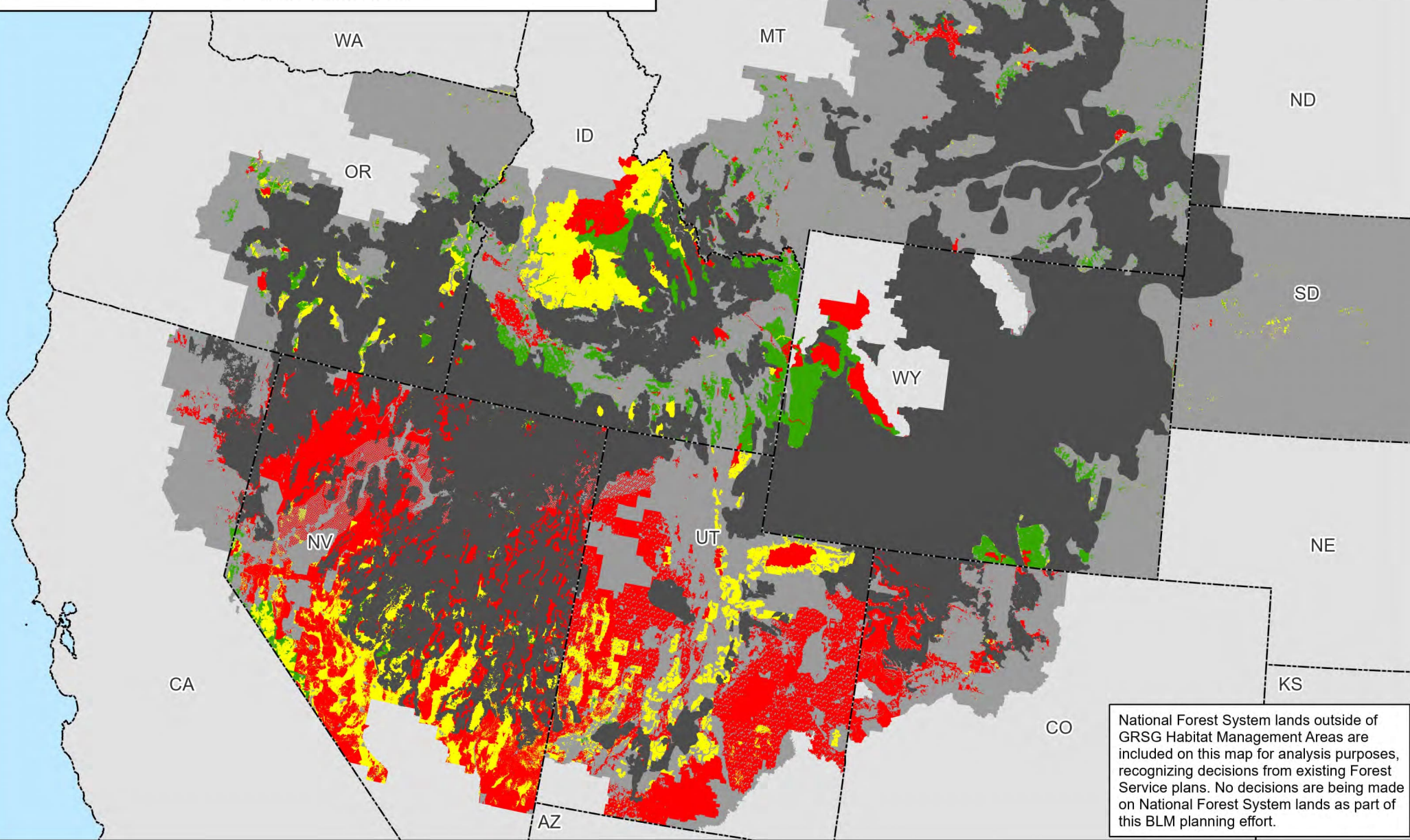
Map 2.64a



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.



# Solar Energy Management Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



Map 2.64b

**Legend**

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

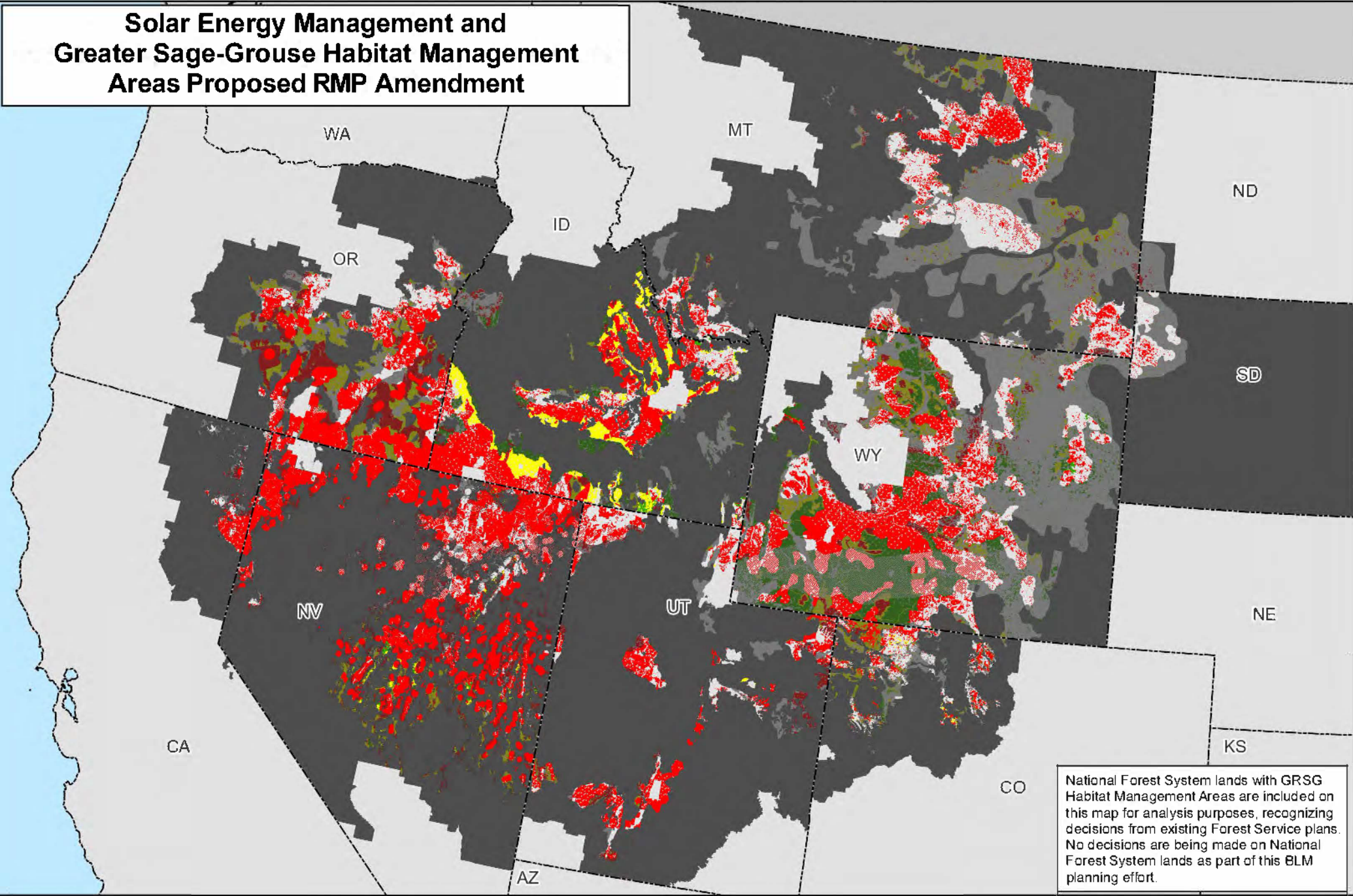
<span style="color: red;">■</span> Solar Energy Management - Exclusion	<span style="background-color: black; color: black;">■</span> GRSG Habitat Management Areas
<span style="color: yellow;">■</span> Solar Energy Management - Avoidance	<span style="background-color: gray; color: black;">■</span> Planning Area Extent
<span style="color: green;">■</span> Solar Energy Management - Open	<span style="border: 1px dashed black;"> </span> 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.



# Solar Energy Management 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 2.65a

PHMAs / IHMAs

GHMAs / Additional IHMAs

**Legend**

**Non-Shaded Areas: PHMAs/IHMAs**

**Shaded Areas: GHMAs/Additional Habitat Mgmt Areas**

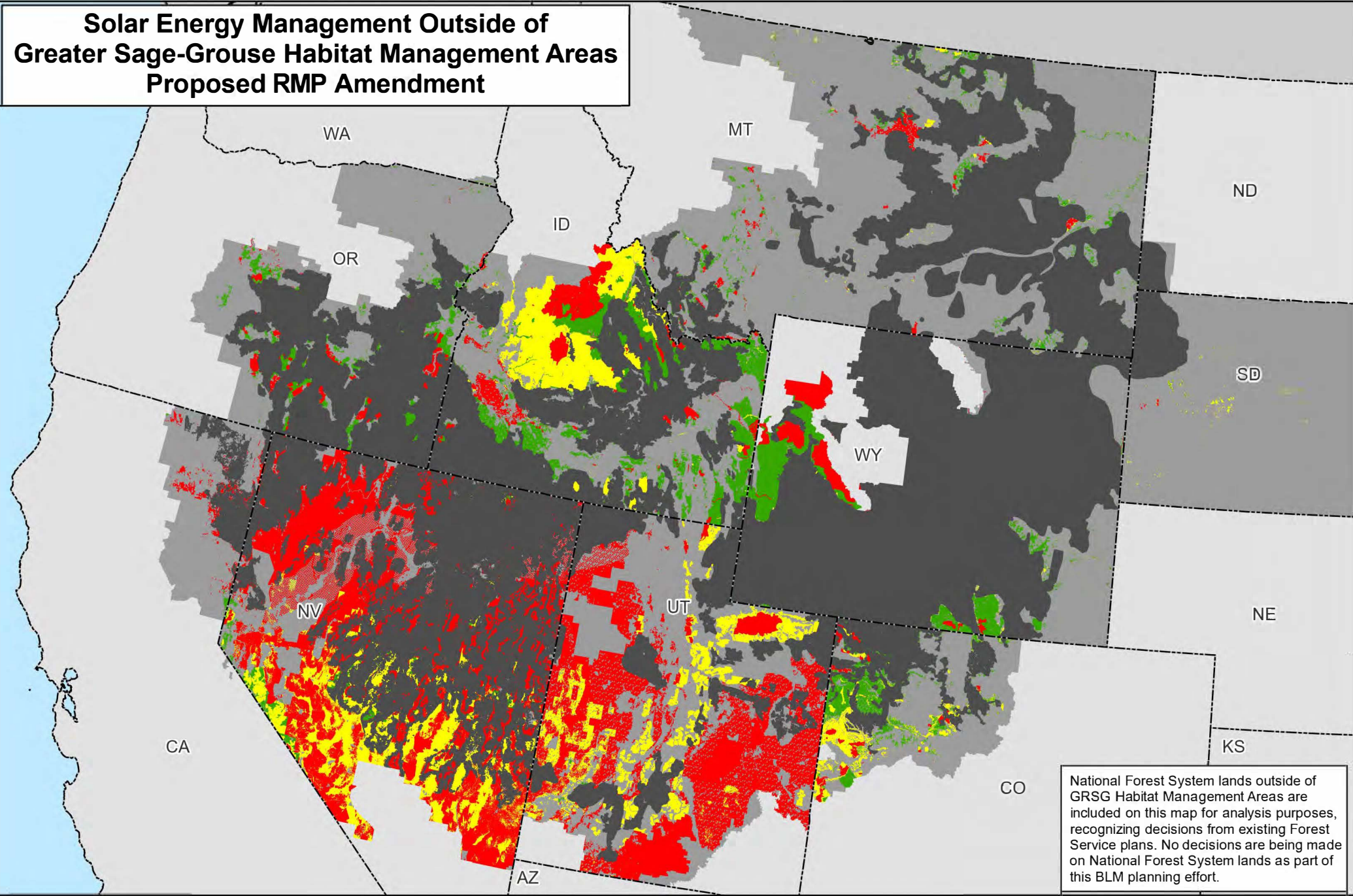
<span style="display:inline-block; width:15px; height:15px; background-color:red; border:1px solid black;"></span> Solar Energy Management - Exclusion	<span style="display:inline-block; width:15px; height:15px; background-color:darkgrey; border:1px solid black;"></span> Non-Habitat Management Areas in the Planning Area Extent
<span style="display:inline-block; width:15px; height:15px; background-color:yellow; border:1px solid black;"></span> Solar Energy Management - Avoidance	<span style="display:inline-block; width:15px; height:15px; border:1px dashed black;"></span> State Boundaries
<span style="display:inline-block; width:15px; height:15px; background-color:green; border:1px solid black;"></span> Solar Energy Management - Open	

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.





# Solar Energy Management 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 2.65b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

- Solar Energy Management - Exclusion
- Solar Energy Management - Avoidance
- Solar Energy Management - Open
- GRSG Habitat Management Areas
- Planning Area Extent
- State Boundaries

Solar Energy Management - Exclusion

Solar Energy Management - Avoidance

Solar Energy Management - Open

GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

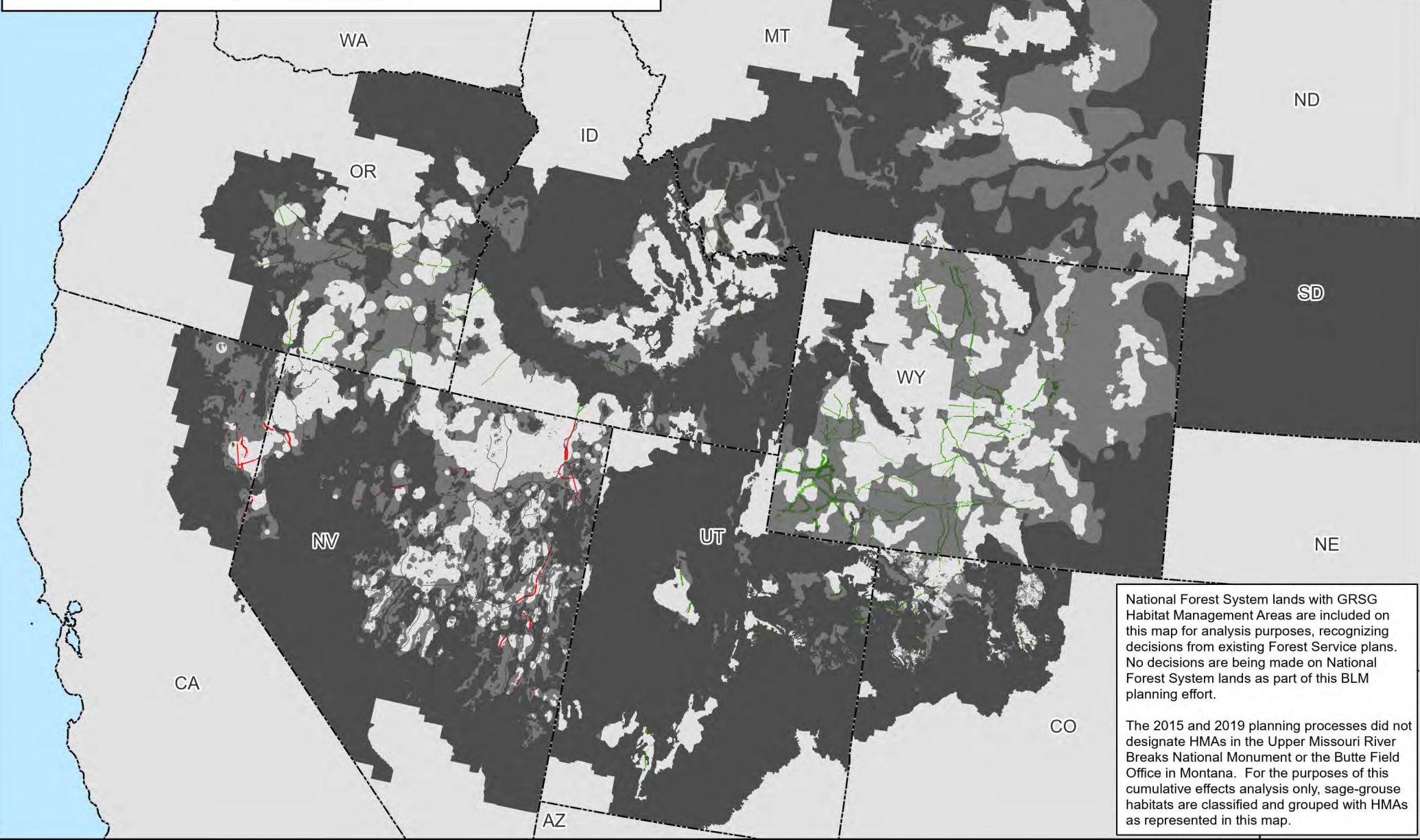
0 25 50 100 Miles

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.





# Designated Utility Corridors 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 2.66a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Red

Green

Designated Utility Corridors - Proposed

Designated Utility Corridors - Existing

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Black

White

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

Legend

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Black

White

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

N

W

E

S

0

25

50

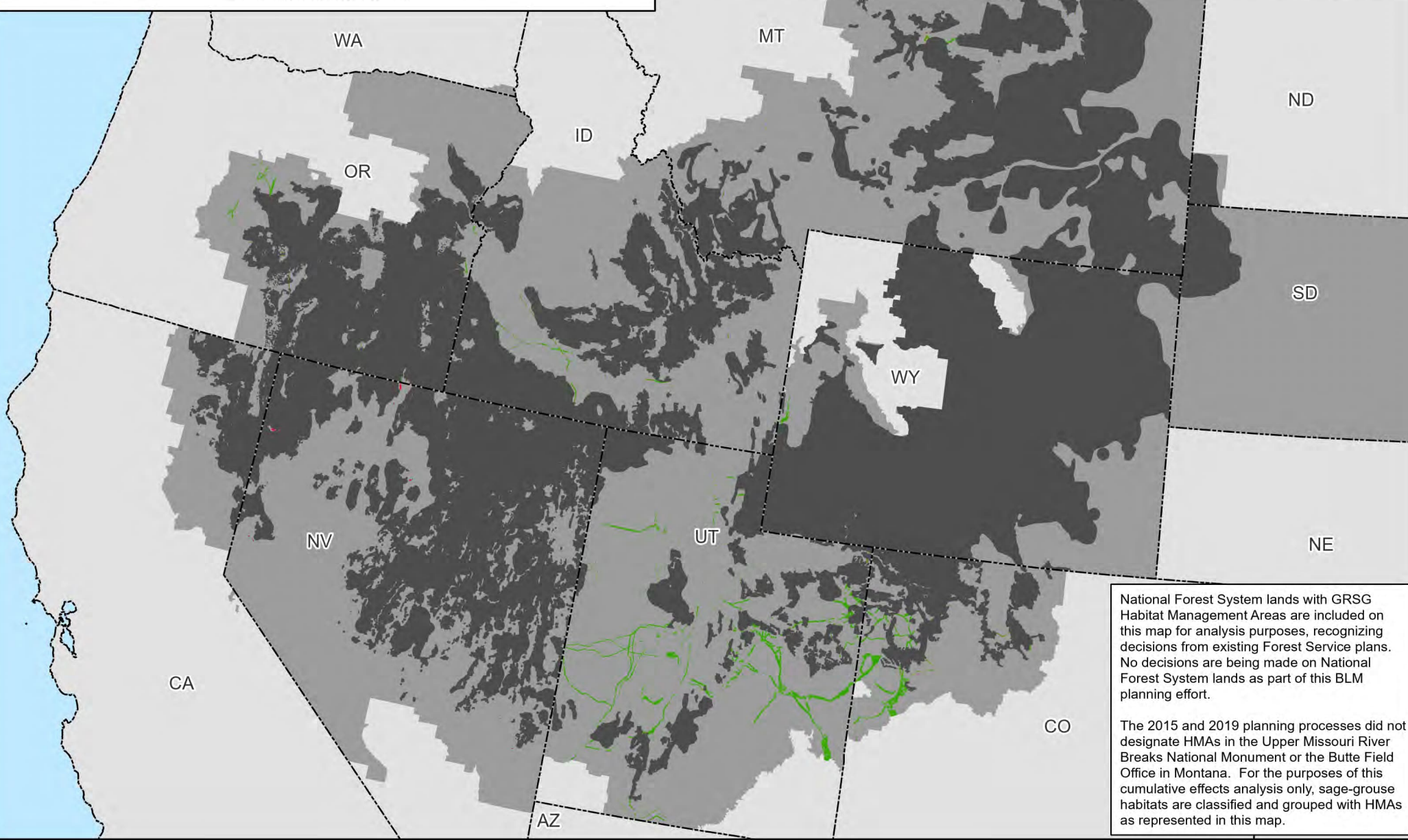
100

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.



# Designated Utility Corridors 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 2.66b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

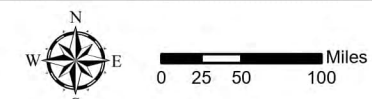
█ Designated Utility Corridors - Proposed

█ Designated Utility Corridors - Existing

█ GRSG Habitat Management Areas

█ Planning Area Extent

State Boundaries

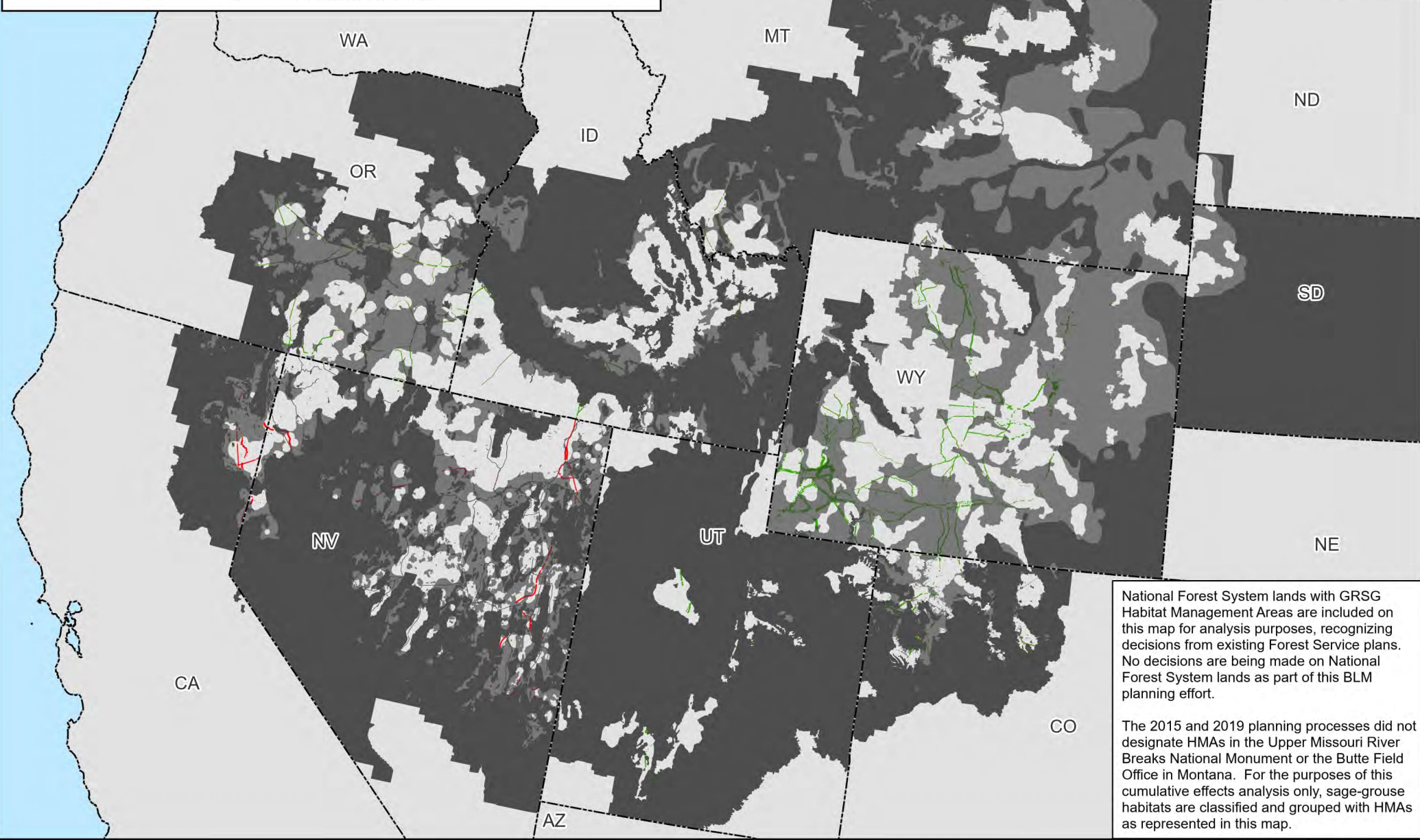


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





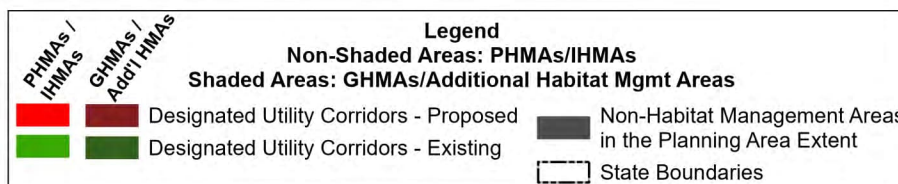
# Designated Utility Corridors and Greater Sage-Grouse Habitat Management Areas Alternative 2



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 2.67a



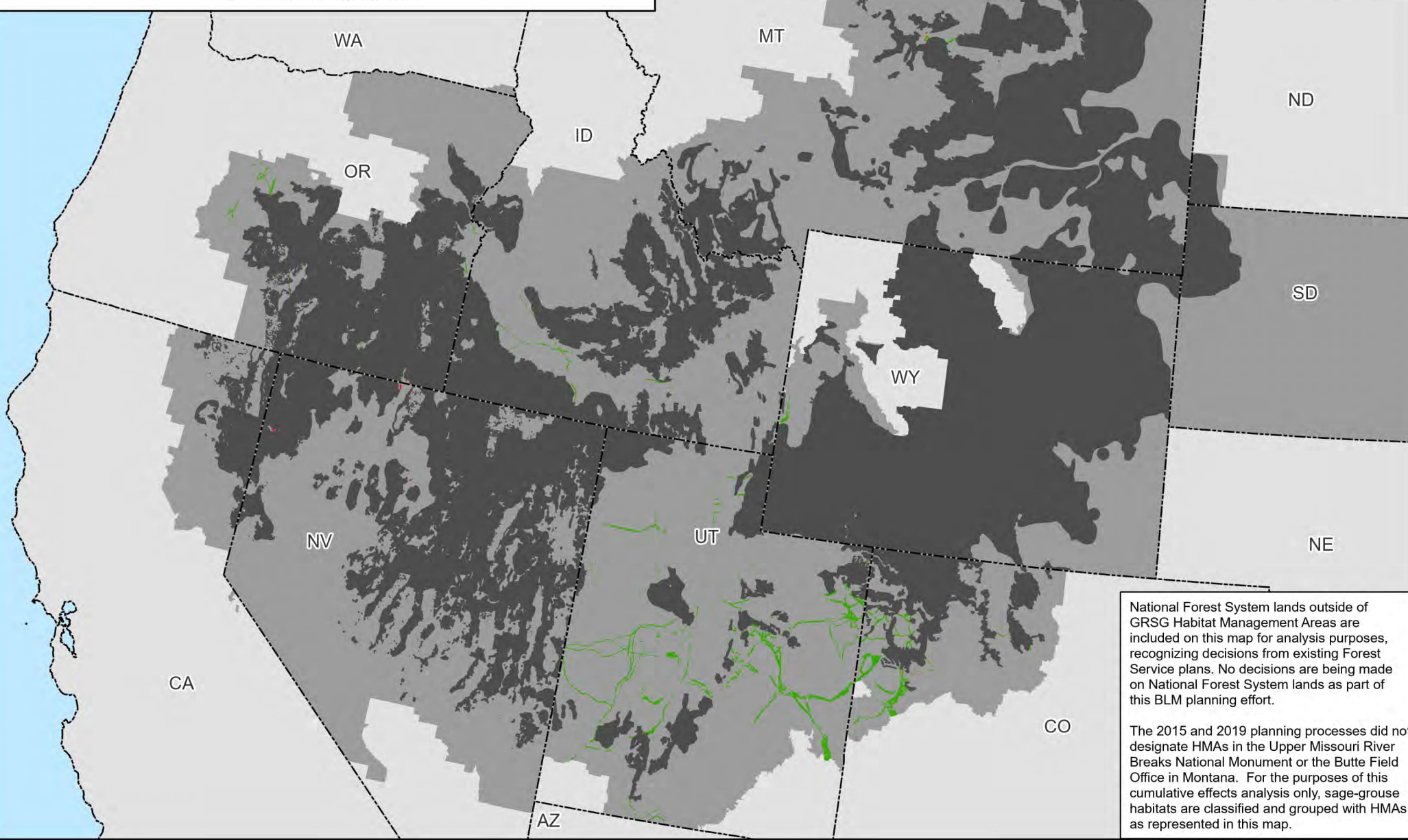
0 25 50 100 Miles

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.





# Designated Utility Corridors Outside of Greater Sage-Grouse Habitat Management Areas Alternative 2



Map 2.67b



**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Designated Utility Corridors - Proposed

Designated Utility Corridors - Existing

GRSG Habitat Management Areas

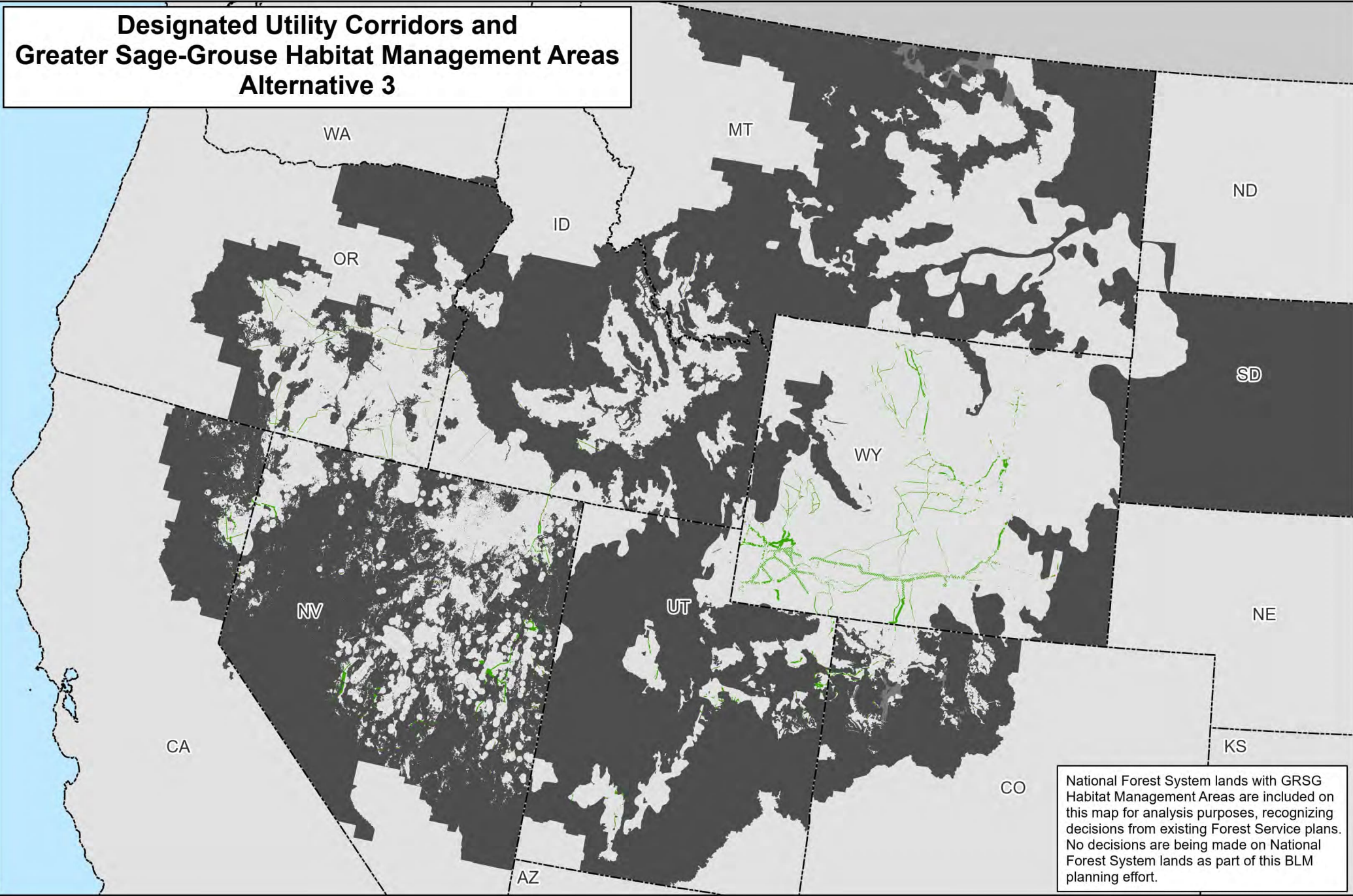
Planning Area Extent

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.



# Designated Utility Corridors and Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.68a



PHMAs

Additional HMAs

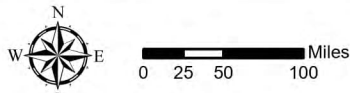
Designated Utility Corridors - Existing

Non-Shaded Areas: PHMAs

Shaded Areas: Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

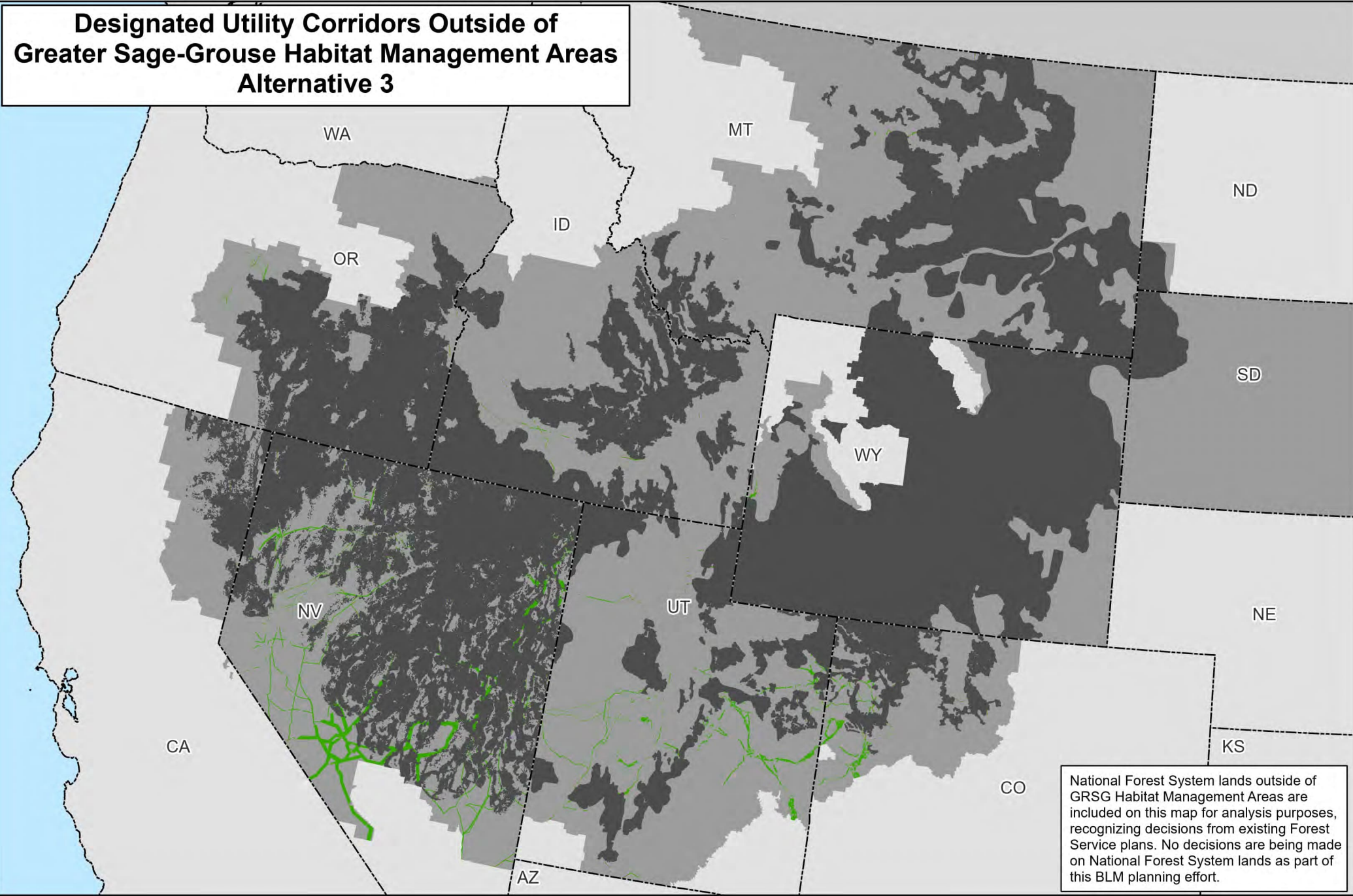
State Boundaries



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.



# Designated Utility Corridors 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 2.68b



**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Designated Utility Corridors - Existing

GRSG Habitat Management Areas

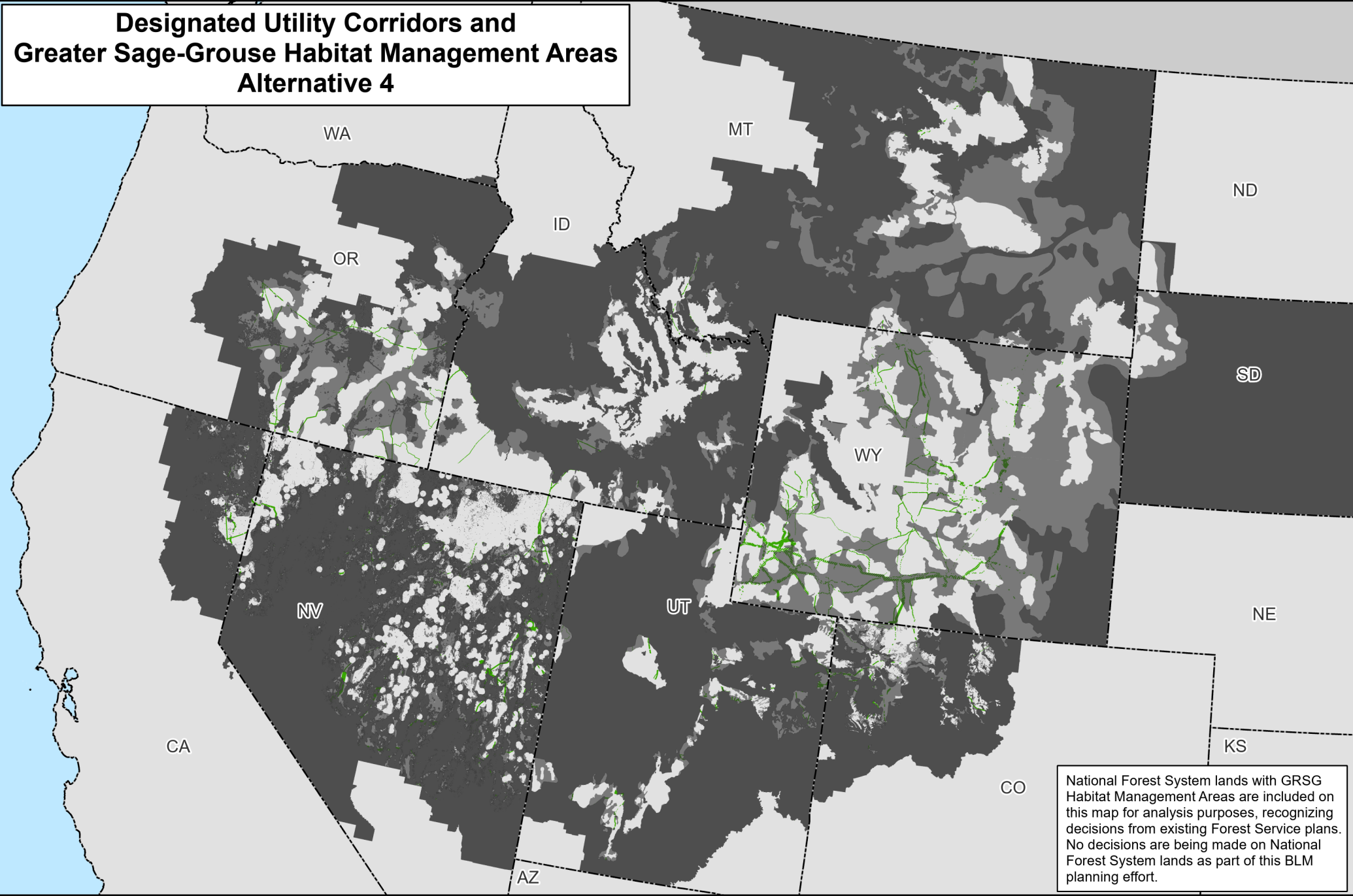
Planning Area Extent

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.



# Designated Utility Corridors and Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.69a



PHMAs / IHMAs

GHMAs / Add'l HMAs

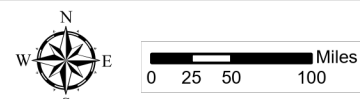
Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Designated Utility Corridors - Existing

Non-Habitat Management Areas in the Planning Area Extent

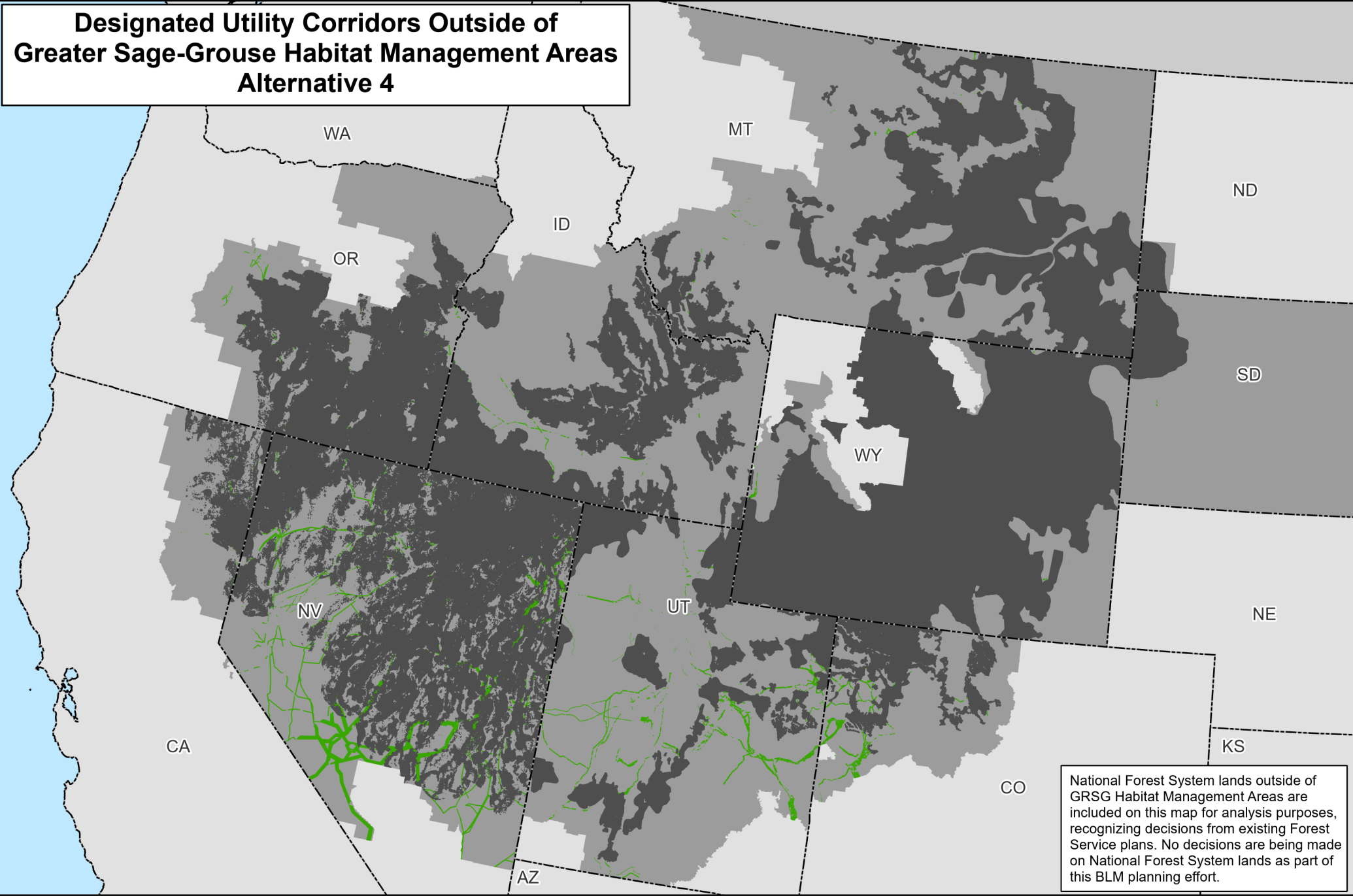
State Boundaries



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.



# Designated Utility Corridors 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 2.69b



**Legend**

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

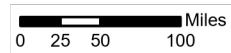
**Masked Areas: Within GRSG Habitat Management Areas**

Designated Utility Corridors - Existing

GRSG Habitat Management Areas

Planning Area Extent

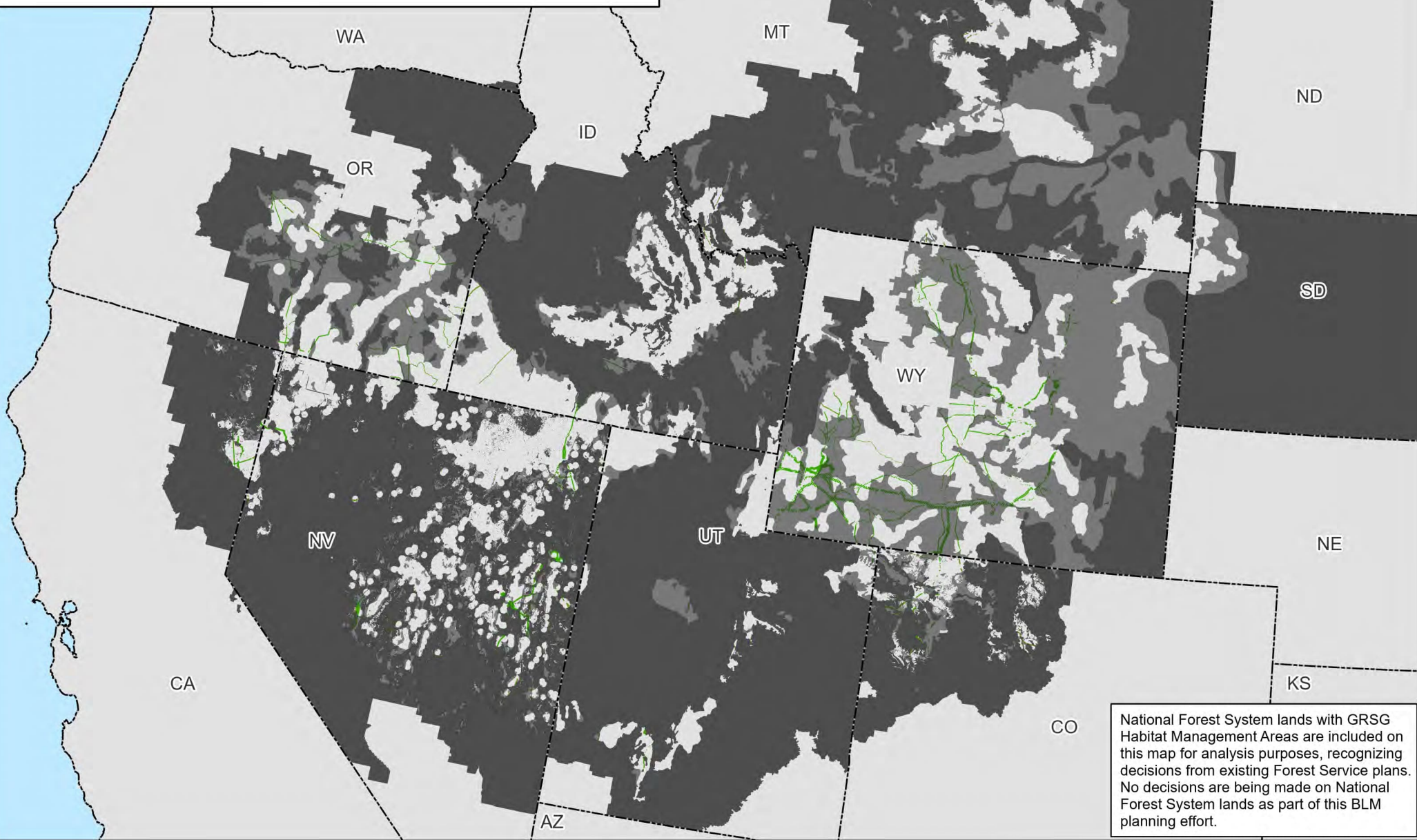
State Boundaries



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.

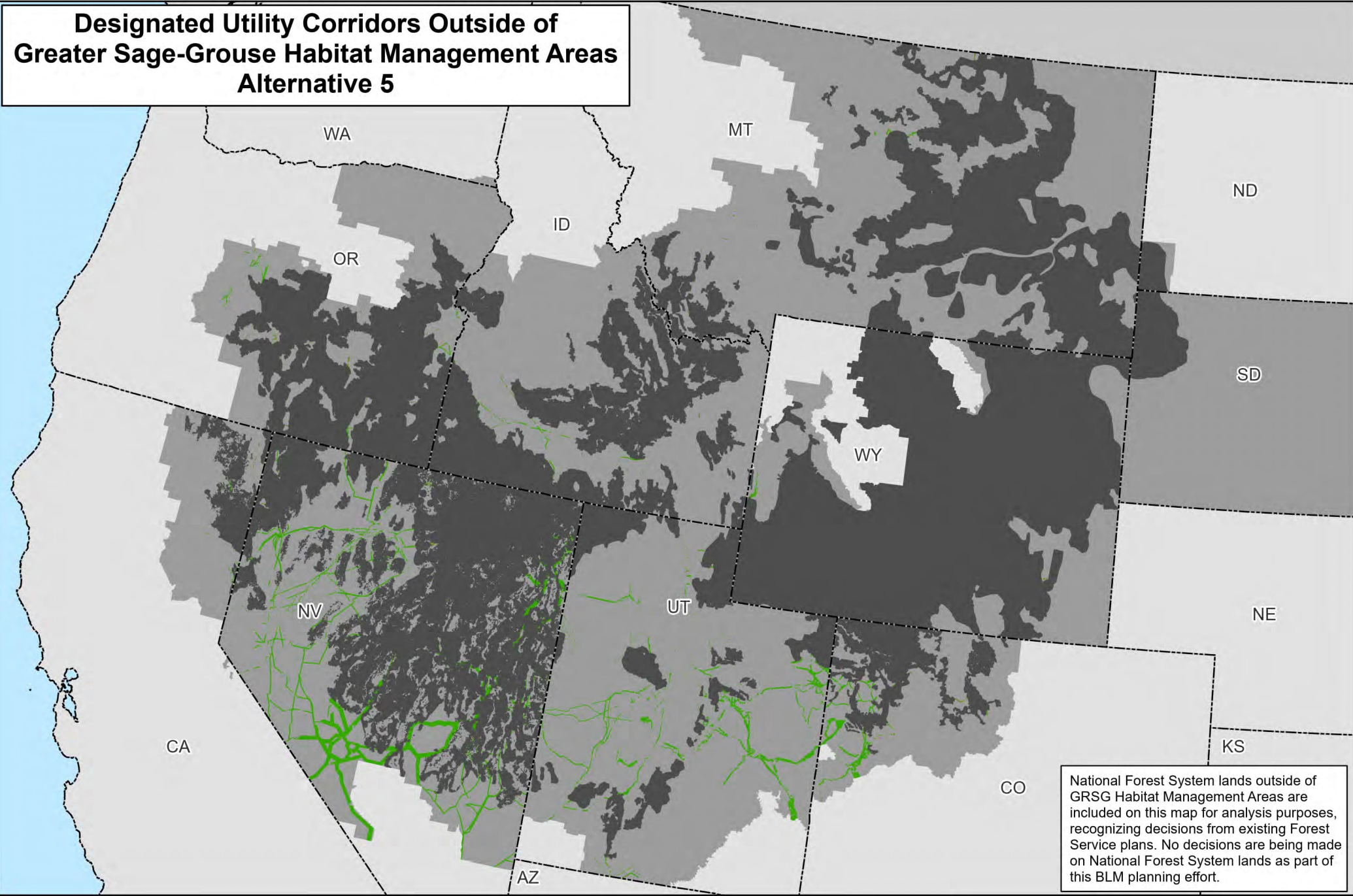


# Designated Utility Corridors and Greater Sage-Grouse Habitat Management Areas Alternative 5





# Designated Utility Corridors Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



Map 2.70b



**Legend**

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

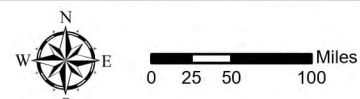
**Masked Areas:** Within GRSG Habitat Management Areas

Designated Utility Corridors - Existing

GRSG Habitat Management Areas

Planning Area Extent

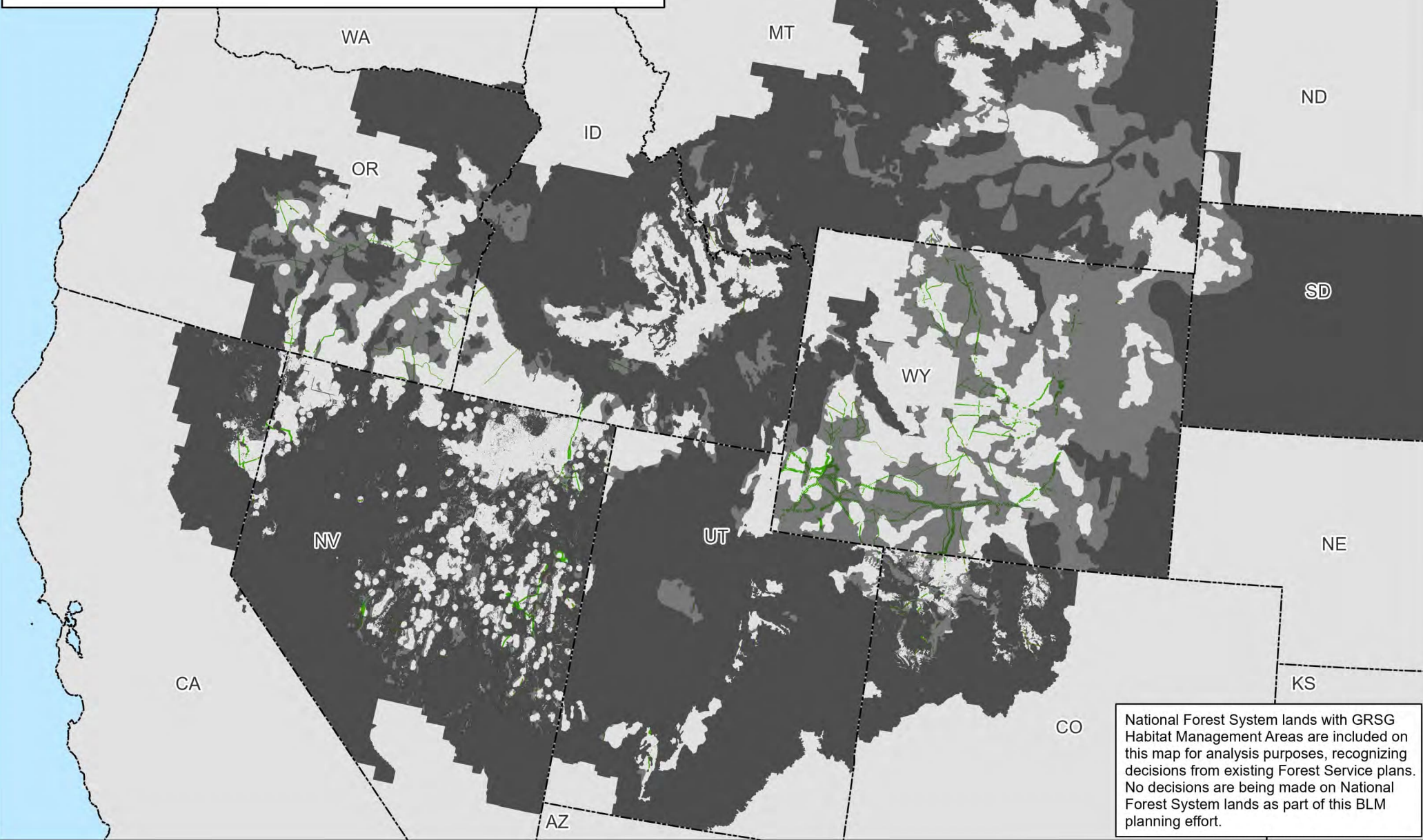
State Boundaries



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.



# Designated Utility Corridors 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 2.71a

PHMAs / IHMAs

GHMAs / Add'l HMAs

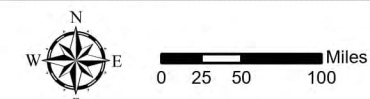
Designated Utility Corridors - Existing

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Non-Habitat Management Areas in the Planning Area Extent

State Boundaries

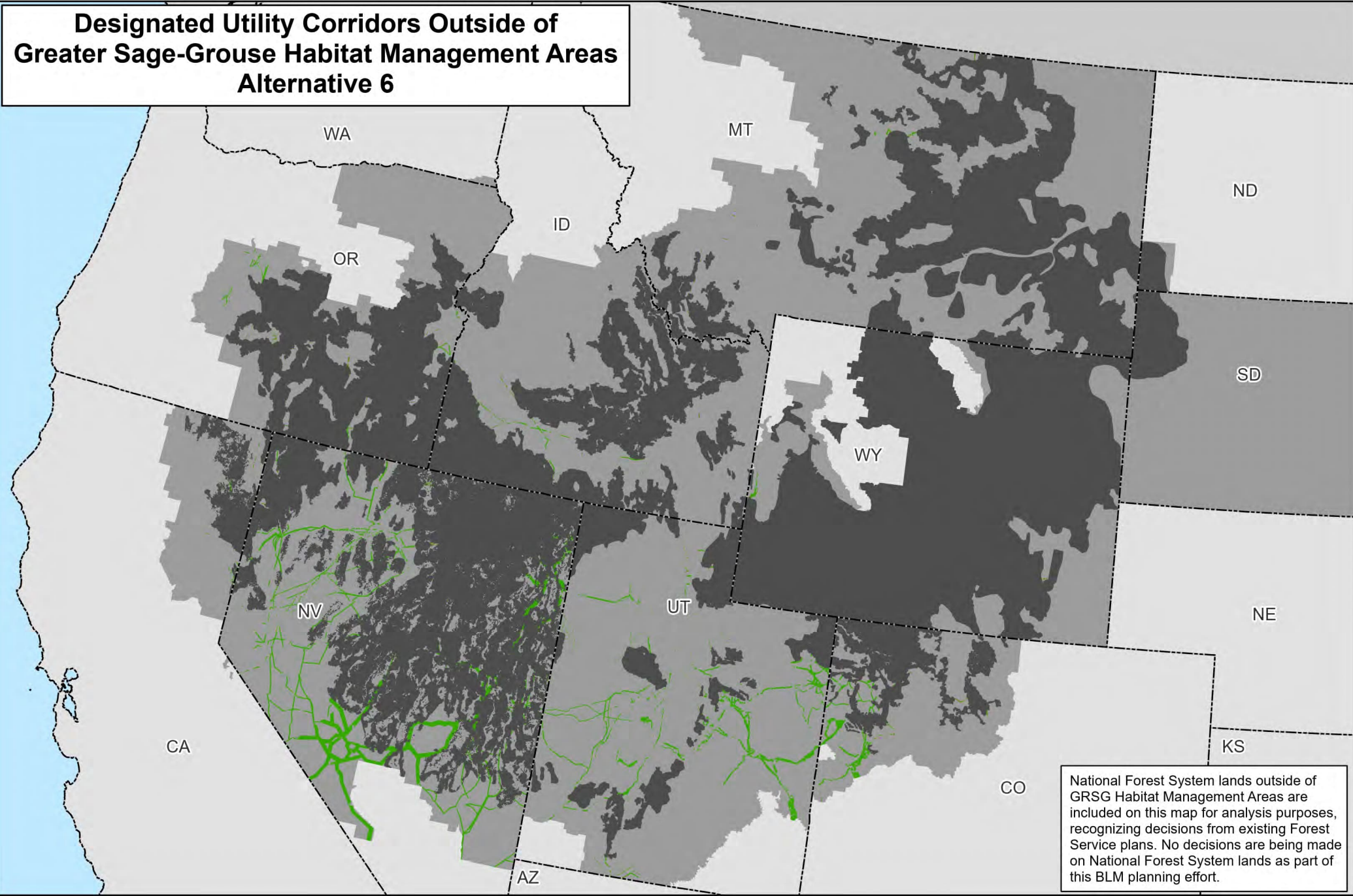


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Designated Utility Corridors 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 2.71b

**Legend**

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

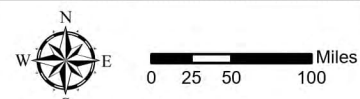
**Masked Areas: Within GRSG Habitat Management Areas**

Designated Utility Corridors - Existing

GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

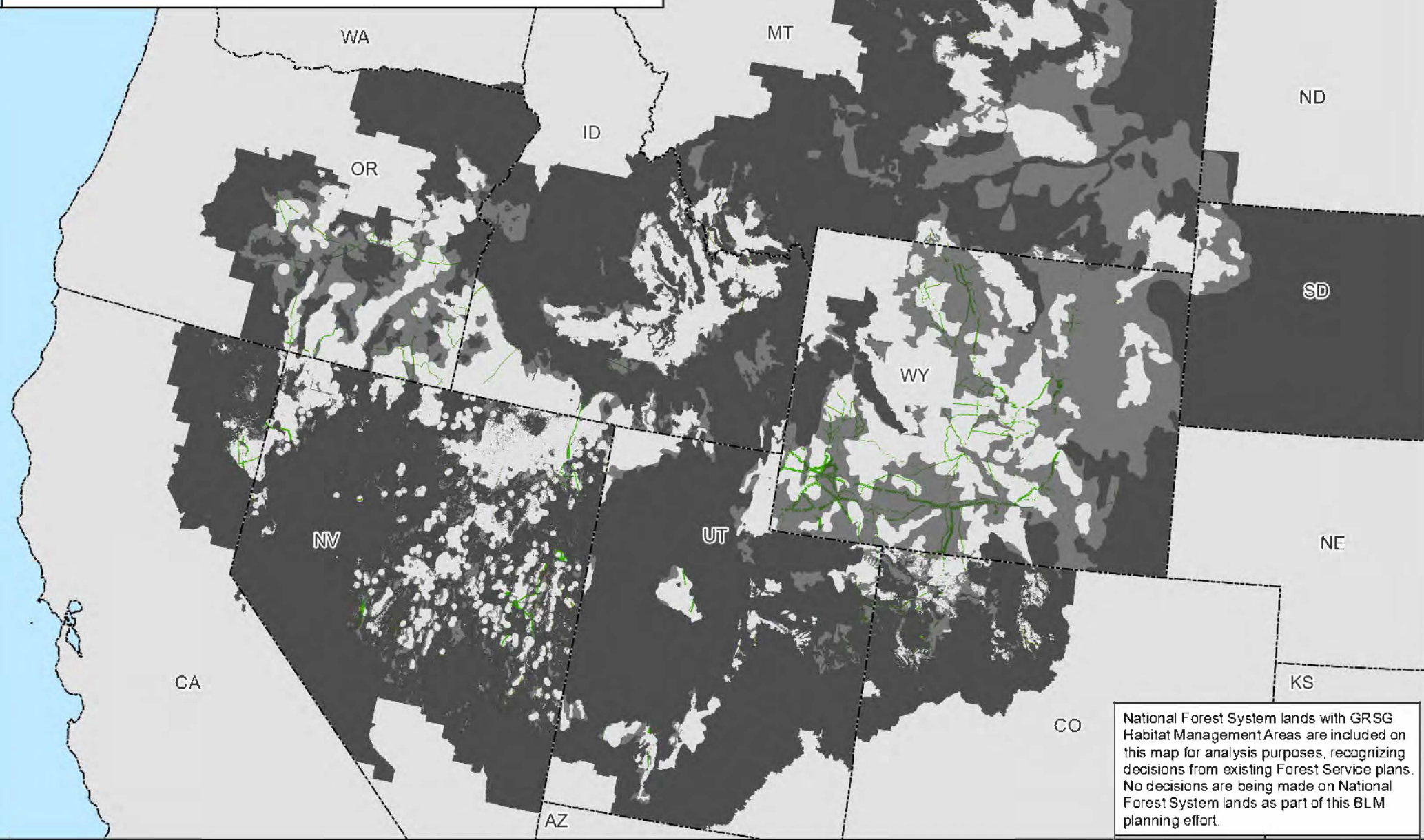


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



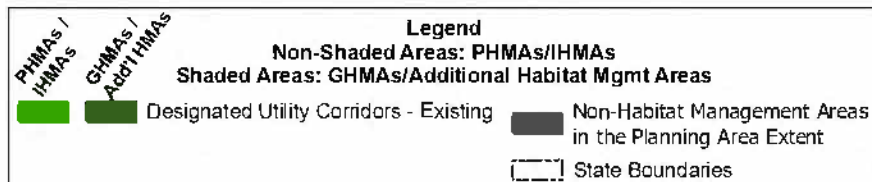


# Designated Utility Corridors and Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



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 2.72a

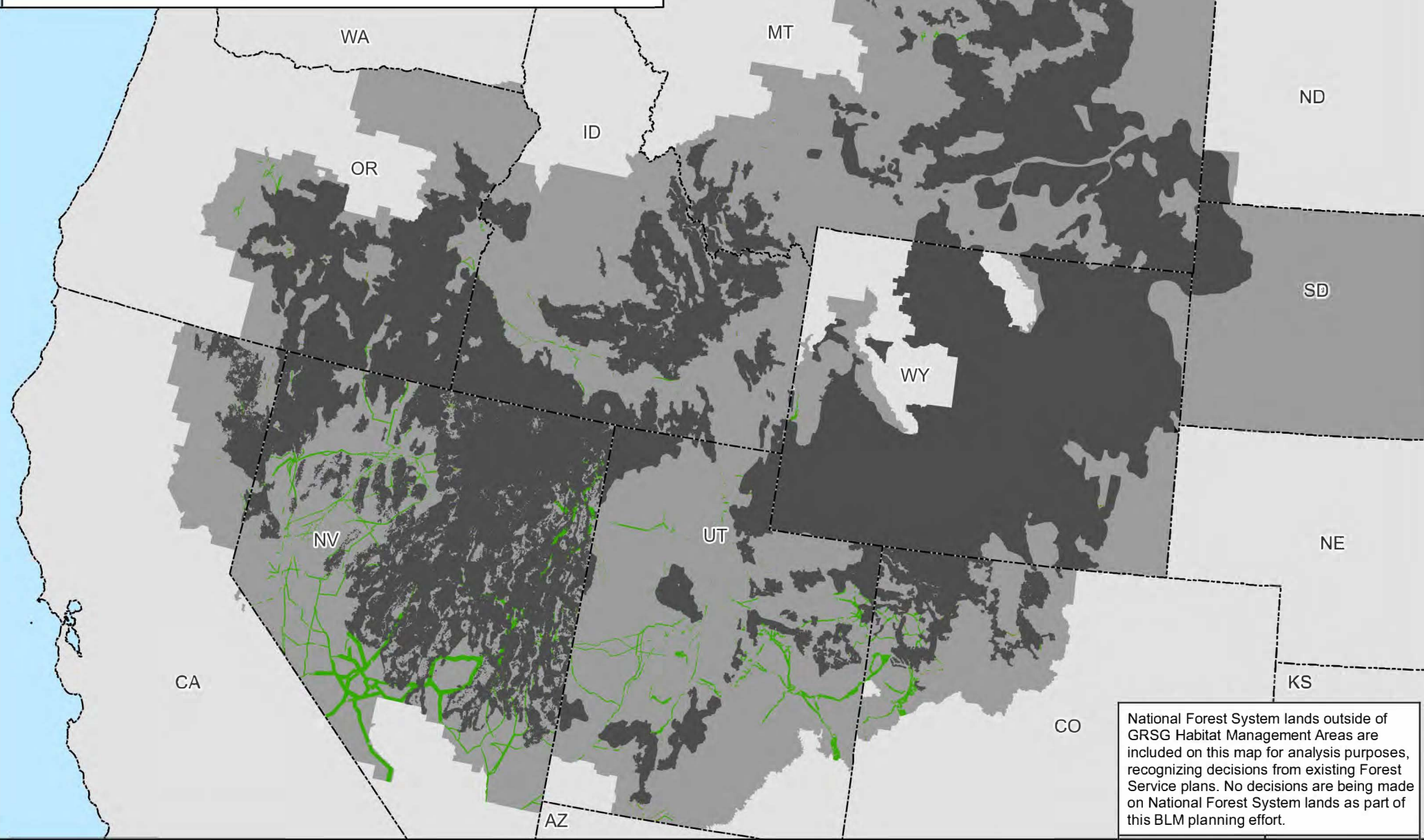


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



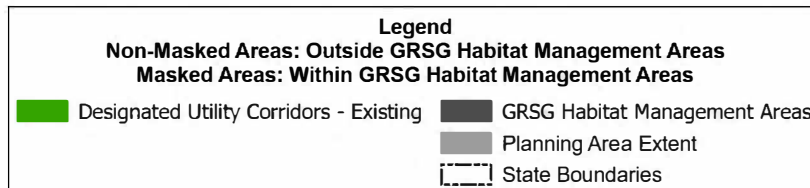


# Designated Utility Corridors Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



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 2.72b

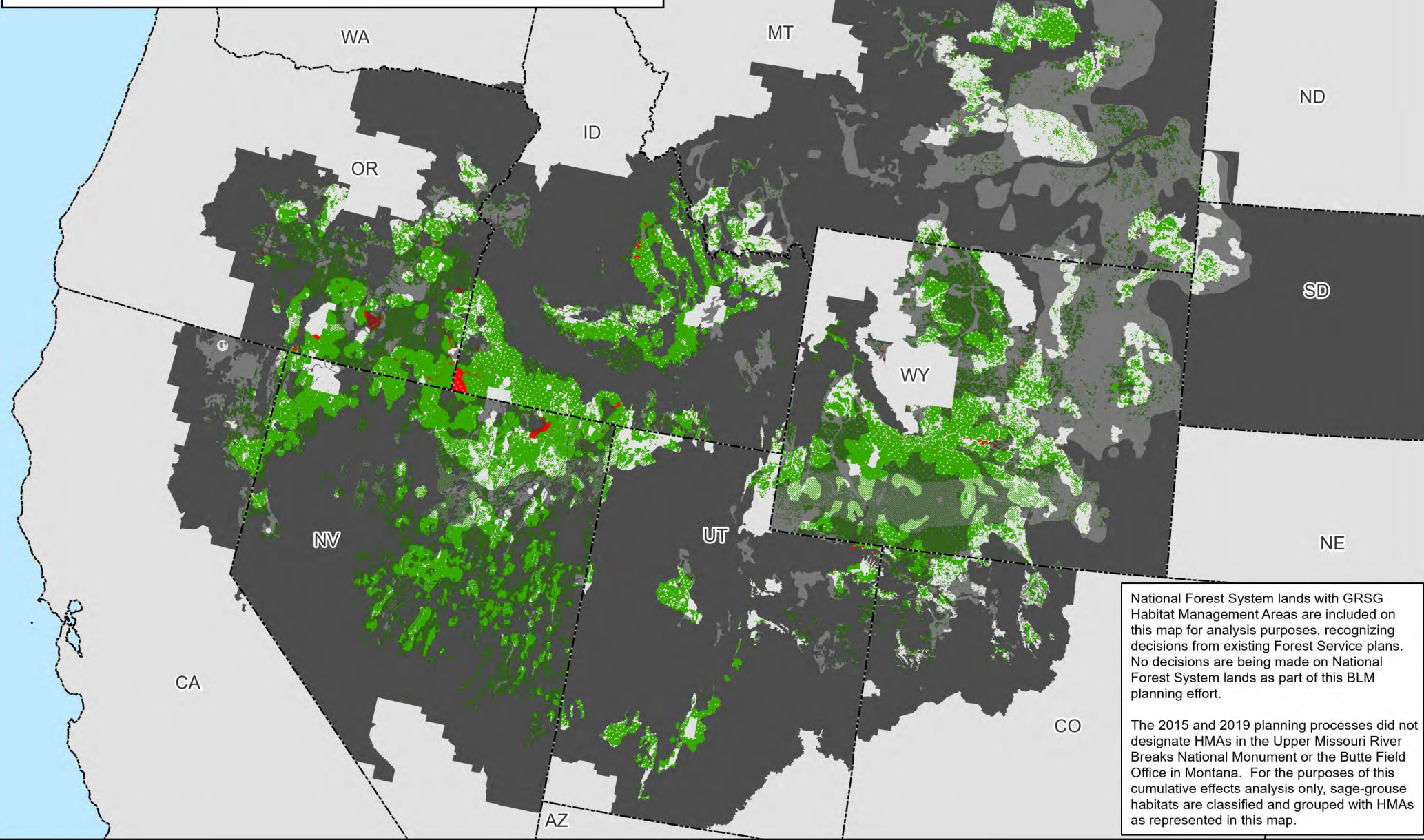


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.

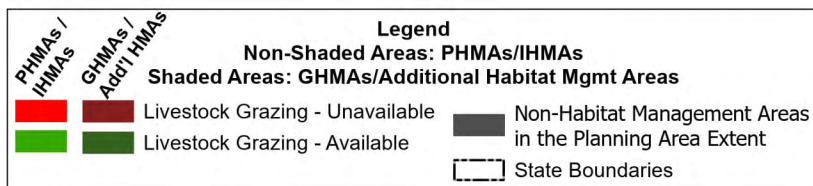




# Livestock Grazing and Greater Sage-Grouse Habitat Management Areas Alternative 1



Map 2.73a

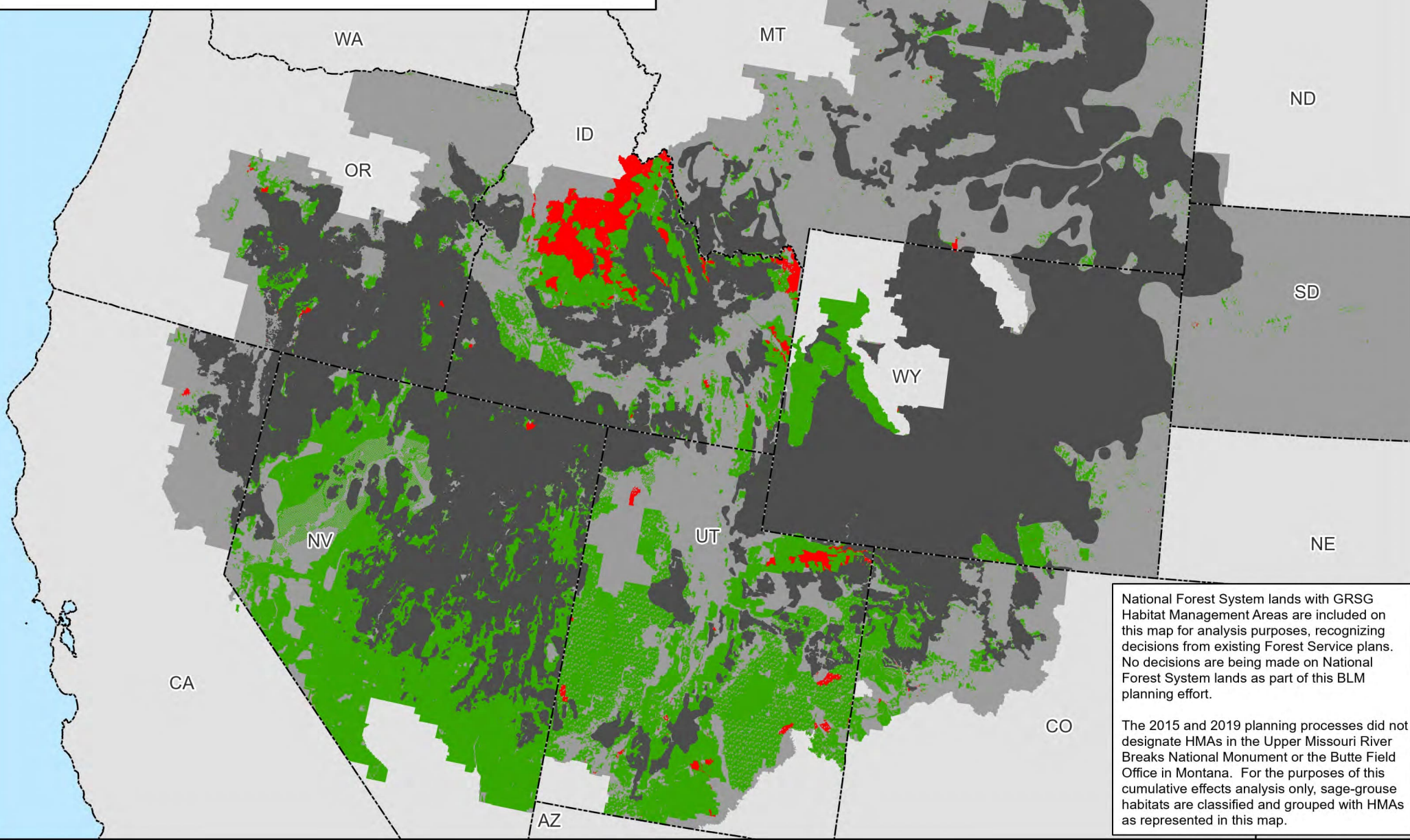


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Livestock Grazing Outside of Greater Sage-Grouse Habitat Management Areas Alternative 1



Map 2.73b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

■ Livestock Grazing - Unavailable

■ Livestock Grazing - Available

GRSG Habitat Management Areas

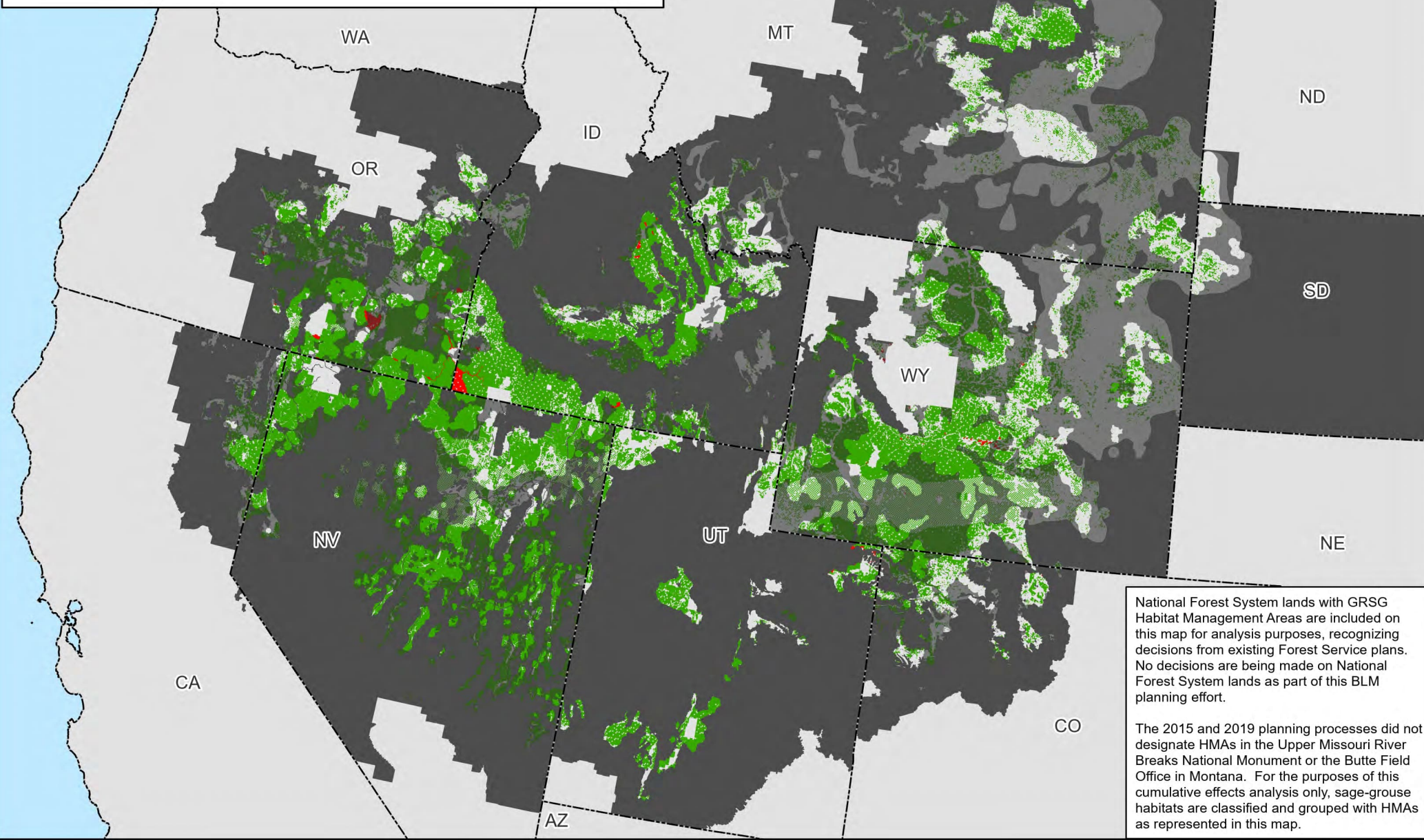
Planning Area Extent

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.



# Livestock Grazing and Greater Sage-Grouse Habitat Management Areas Alternative 2



Map 2.74a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Livestock Grazing - Unavailable

Livestock Grazing - Available

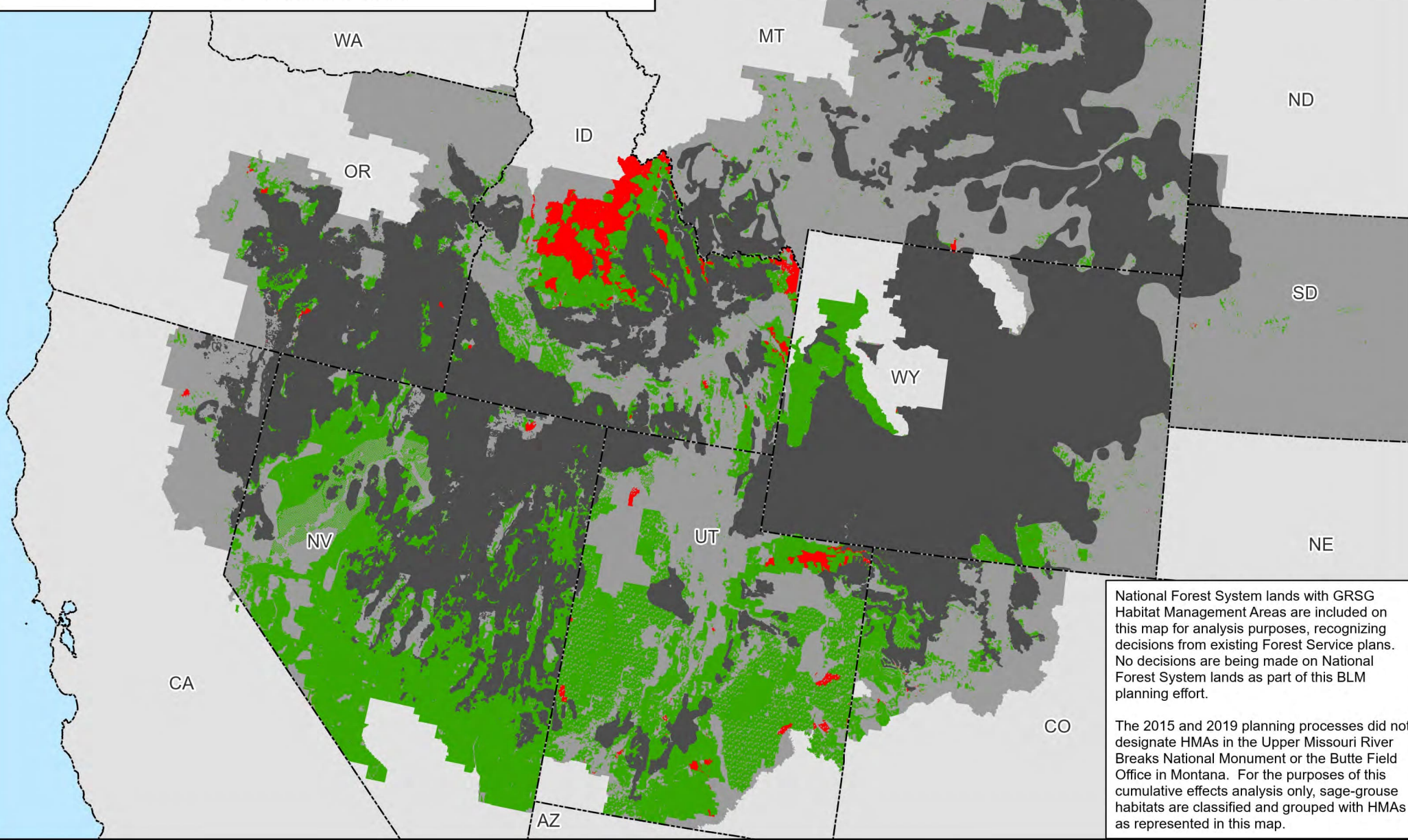
Non-Habitat Management Areas in the Planning Area Extent

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.



# Livestock Grazing 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 2.74b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

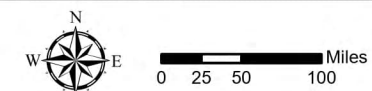
Livestock Grazing - Unavailable

Livestock Grazing - Available

GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

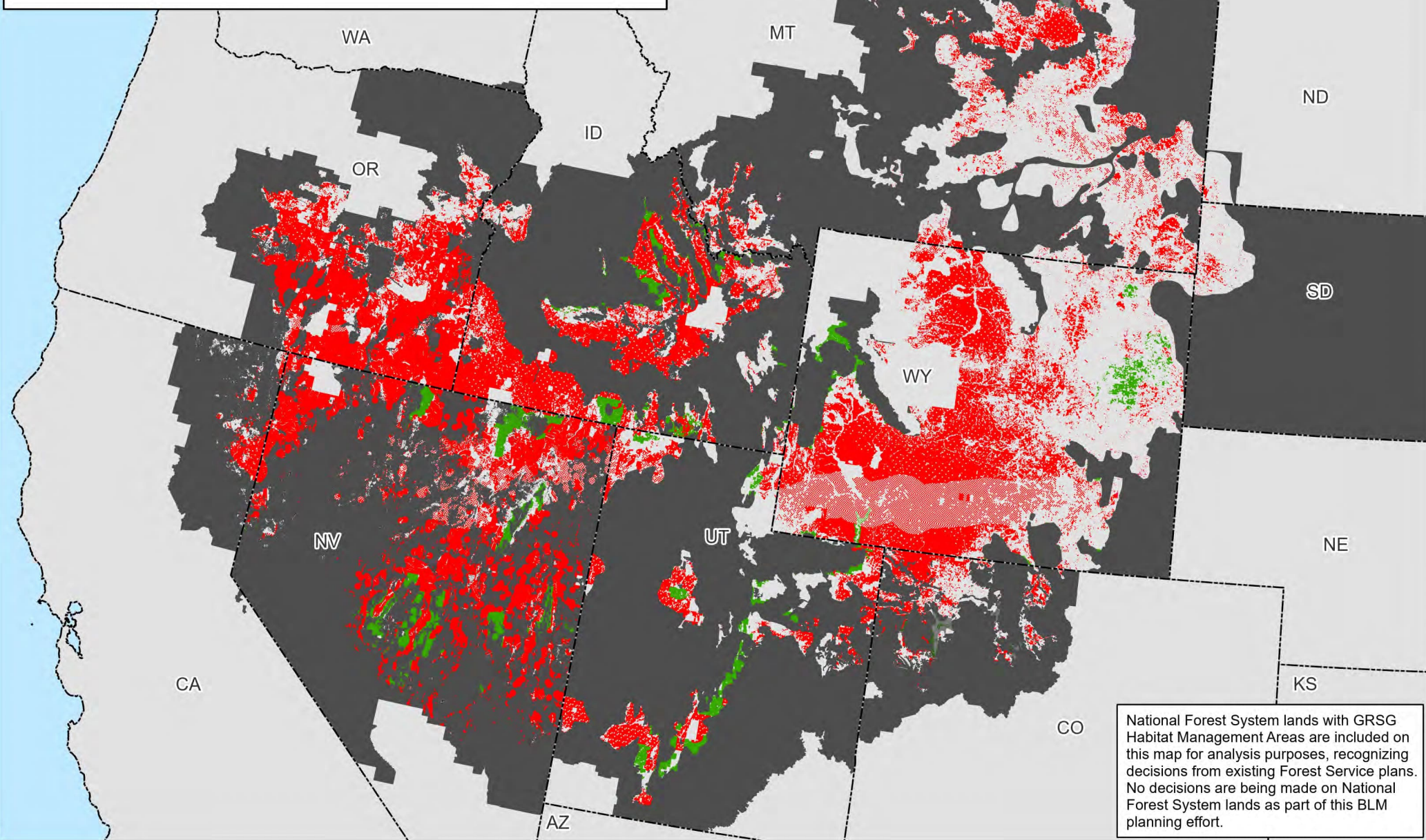


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



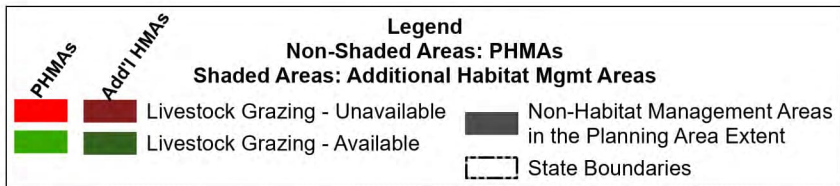


# Livestock Grazing and Greater Sage-Grouse Habitat Management Areas Alternative 3



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 2.75a

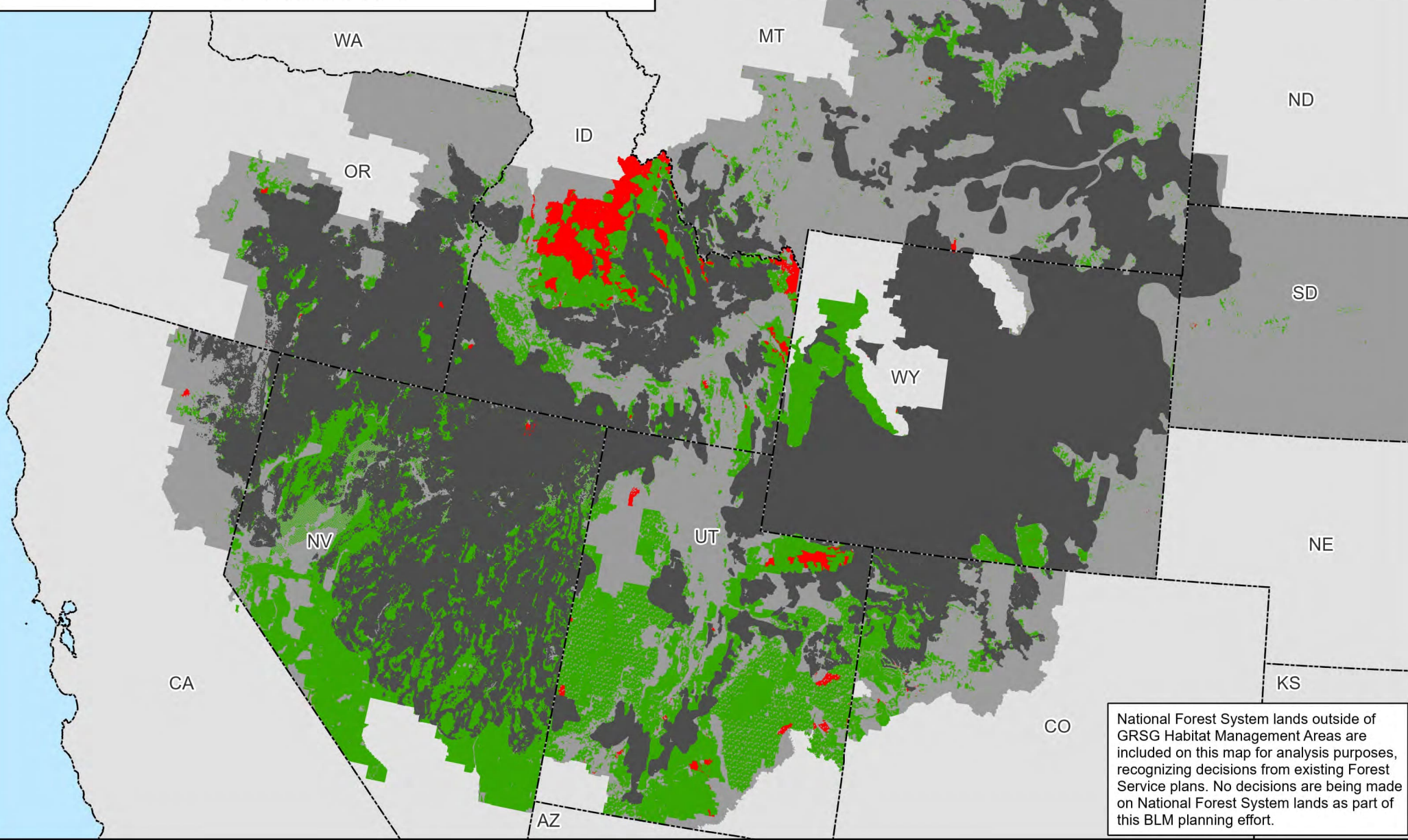


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.





# Livestock Grazing Outside of Greater Sage-Grouse Habitat Management Areas Alternative 3



Map 2.75b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

■ Livestock Grazing - Unavailable

■ Livestock Grazing - Available

GRSG Habitat Management Areas

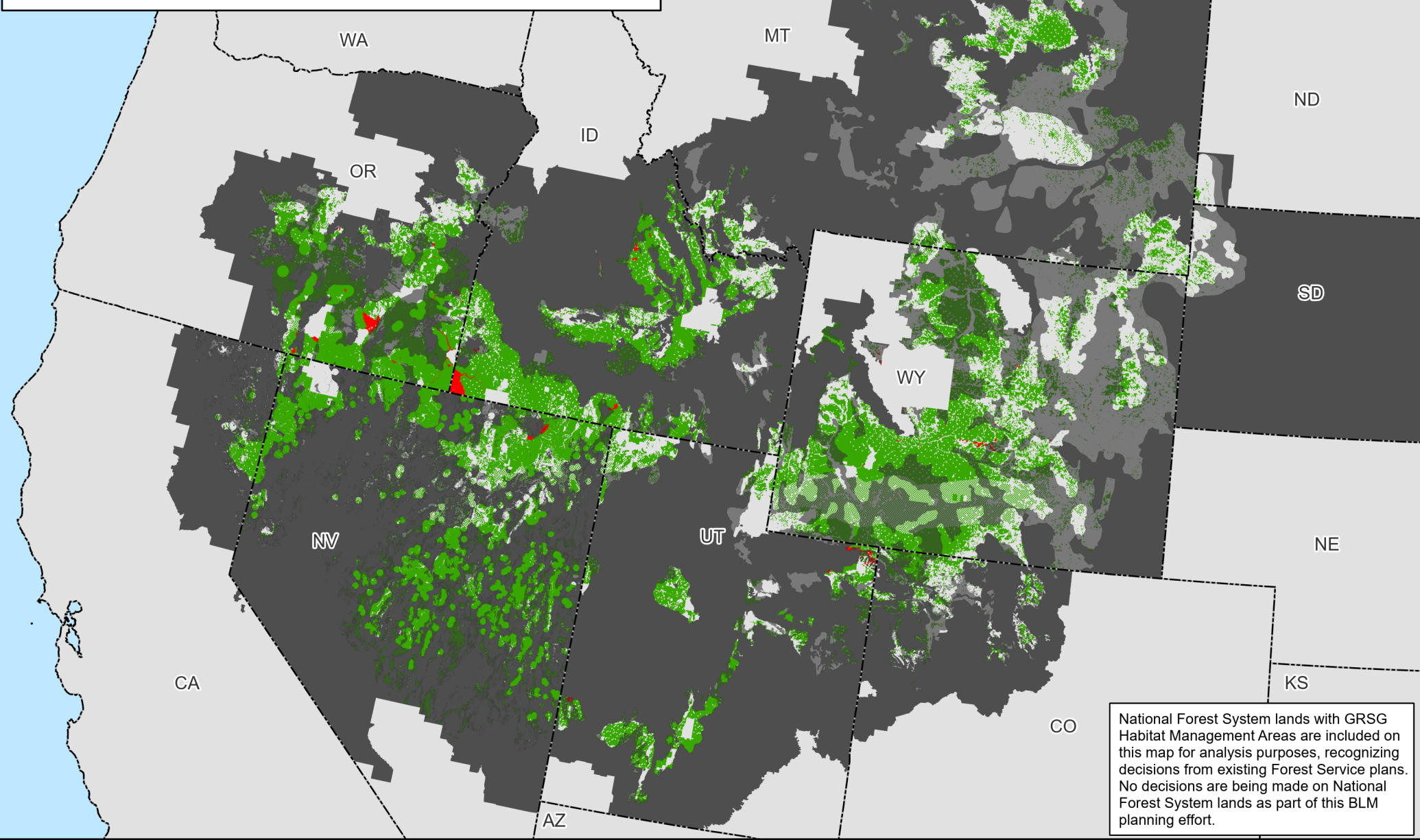
Planning Area Extent

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.



# Livestock Grazing 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 2.76a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Livestock Grazing - Unavailable

Livestock Grazing - Available

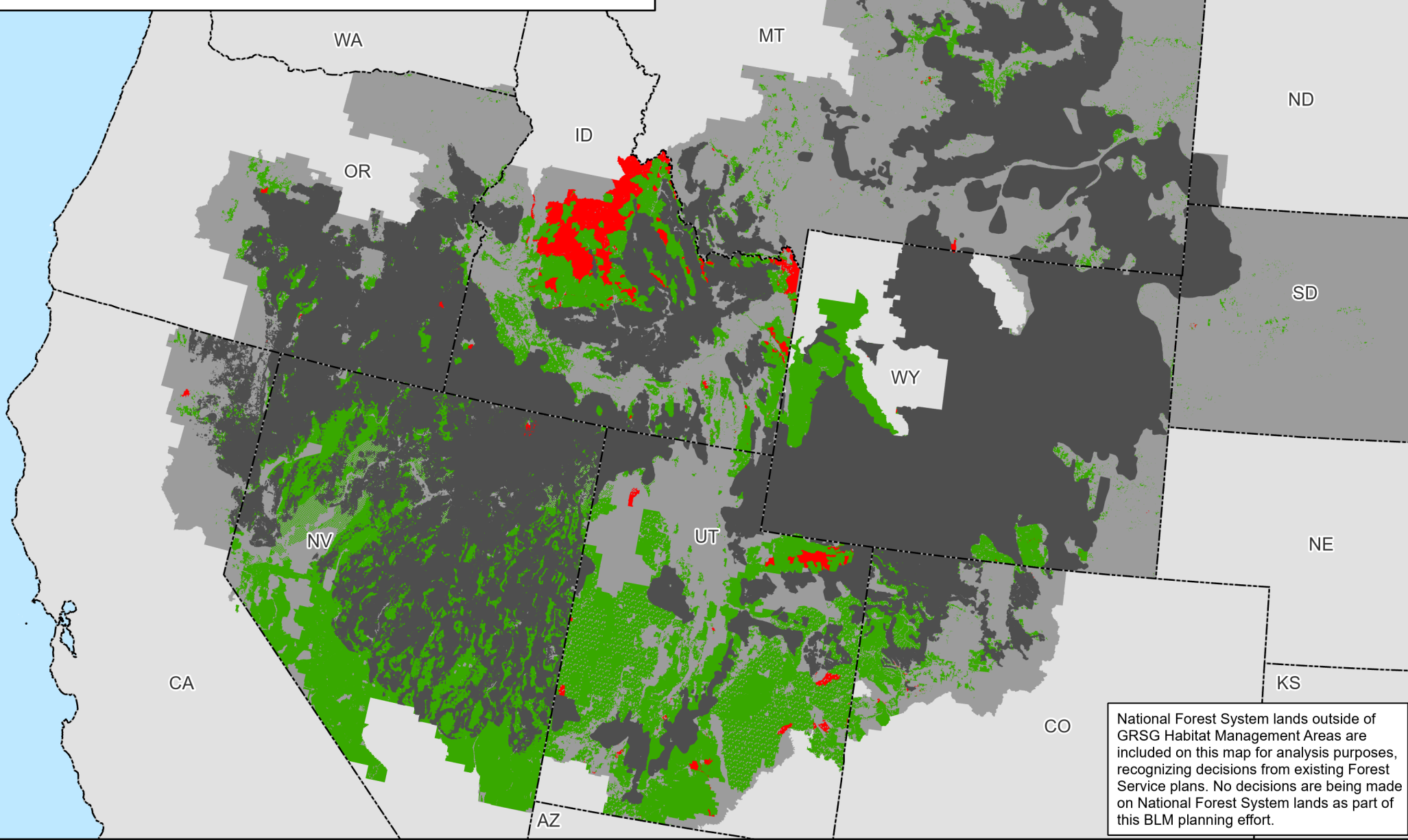
Non-Habitat Management Areas in the Planning Area Extent

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.



# Livestock Grazing Outside of Greater Sage-Grouse Habitat Management Areas Alternative 4



Map 2.76b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

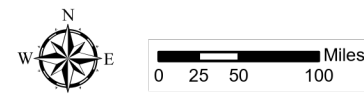
Livestock Grazing - Unavailable

Livestock Grazing - Available

GRSG Habitat Management Areas

Planning Area Extent

State Boundaries

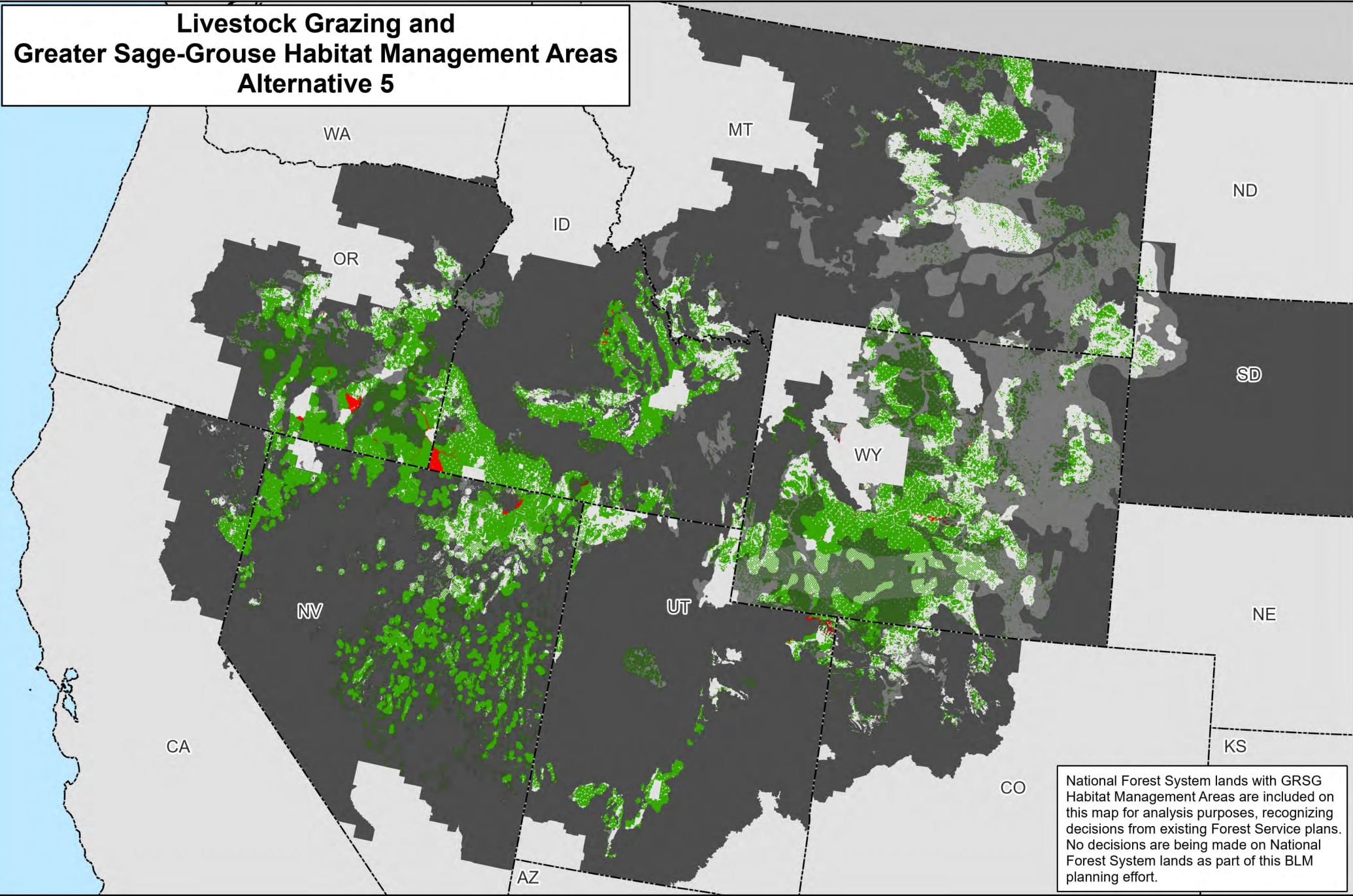


No warranty is made by the Bureau of Land Management (BLM). The accuracy, reliability, or completeness of these data for individual use or aggregate use with other data is not guaranteed.



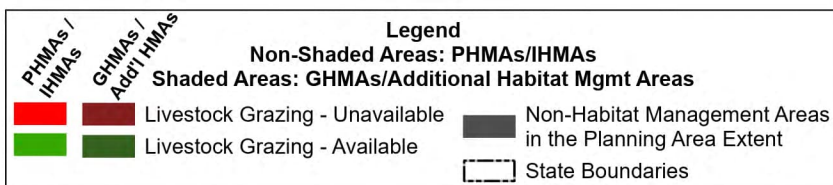


**Livestock Grazing and  
Greater Sage-Grouse Habitat Management Areas  
Alternative 5**



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 2.77a

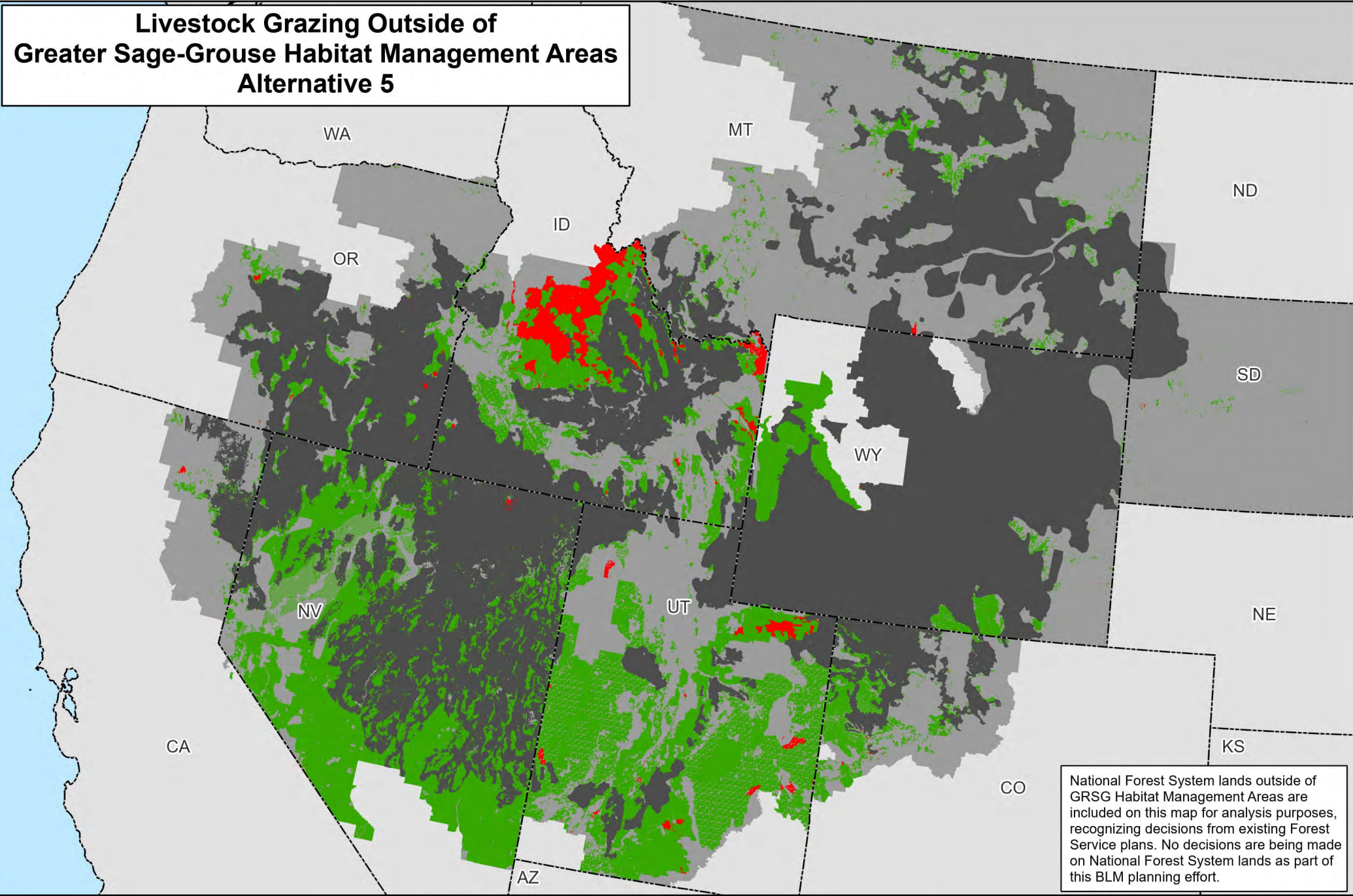


A horizontal scale bar with a black background and white markings. The markings are labeled 0, 25, 50, and 100. The word "Miles" is written in black text to the right of the bar.

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.



# Livestock Grazing Outside of Greater Sage-Grouse Habitat Management Areas Alternative 5



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 2.77b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Livestock Grazing - Unavailable

Livestock Grazing - Available

GRSG Habitat Management Areas

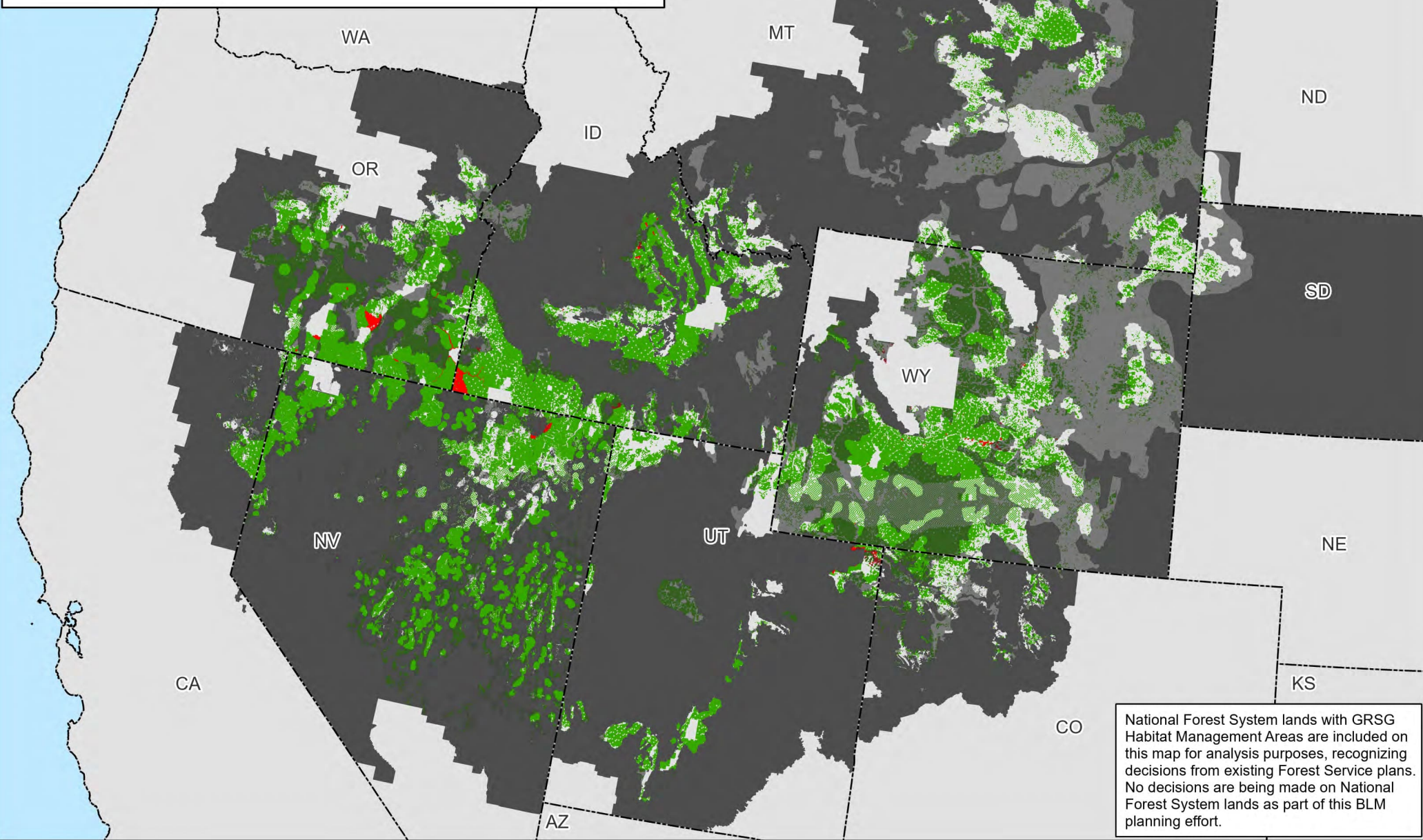
Planning Area Extent

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.



# Livestock Grazing 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 2.78a

PHMAs / IHMAs

GHMAs / Add'l HMAs

Non-Shaded Areas: PHMAs/IHMAs

Shaded Areas: GHMAs/Additional Habitat Mgmt Areas

Livestock Grazing - Unavailable

Livestock Grazing - Available

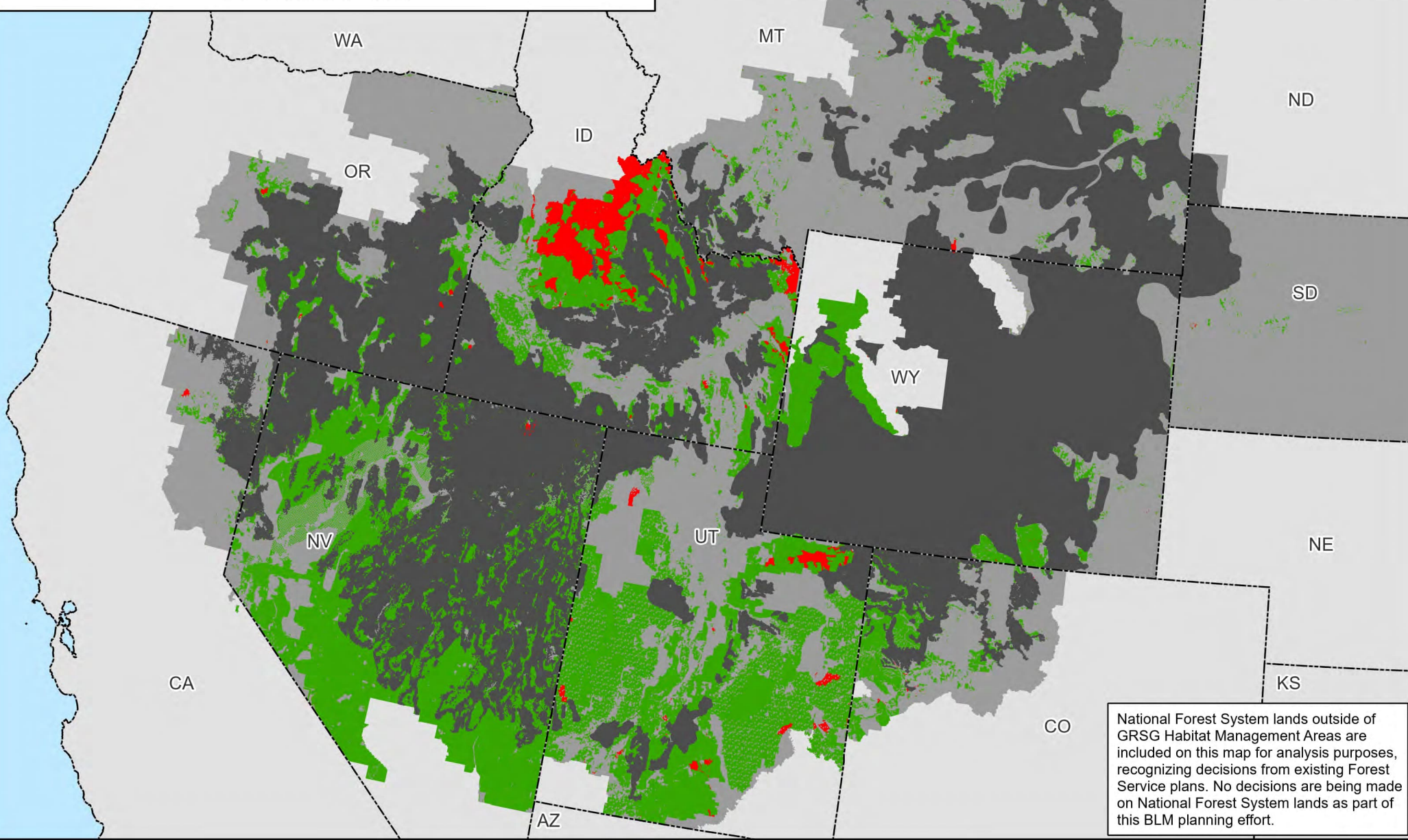
Non-Habitat Management Areas in the Planning Area Extent

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.



# Livestock Grazing Outside of Greater Sage-Grouse Habitat Management Areas Alternative 6



Map 2.78b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

Livestock Grazing - Unavailable

Livestock Grazing - Available

GRSG Habitat Management Areas

Planning Area Extent

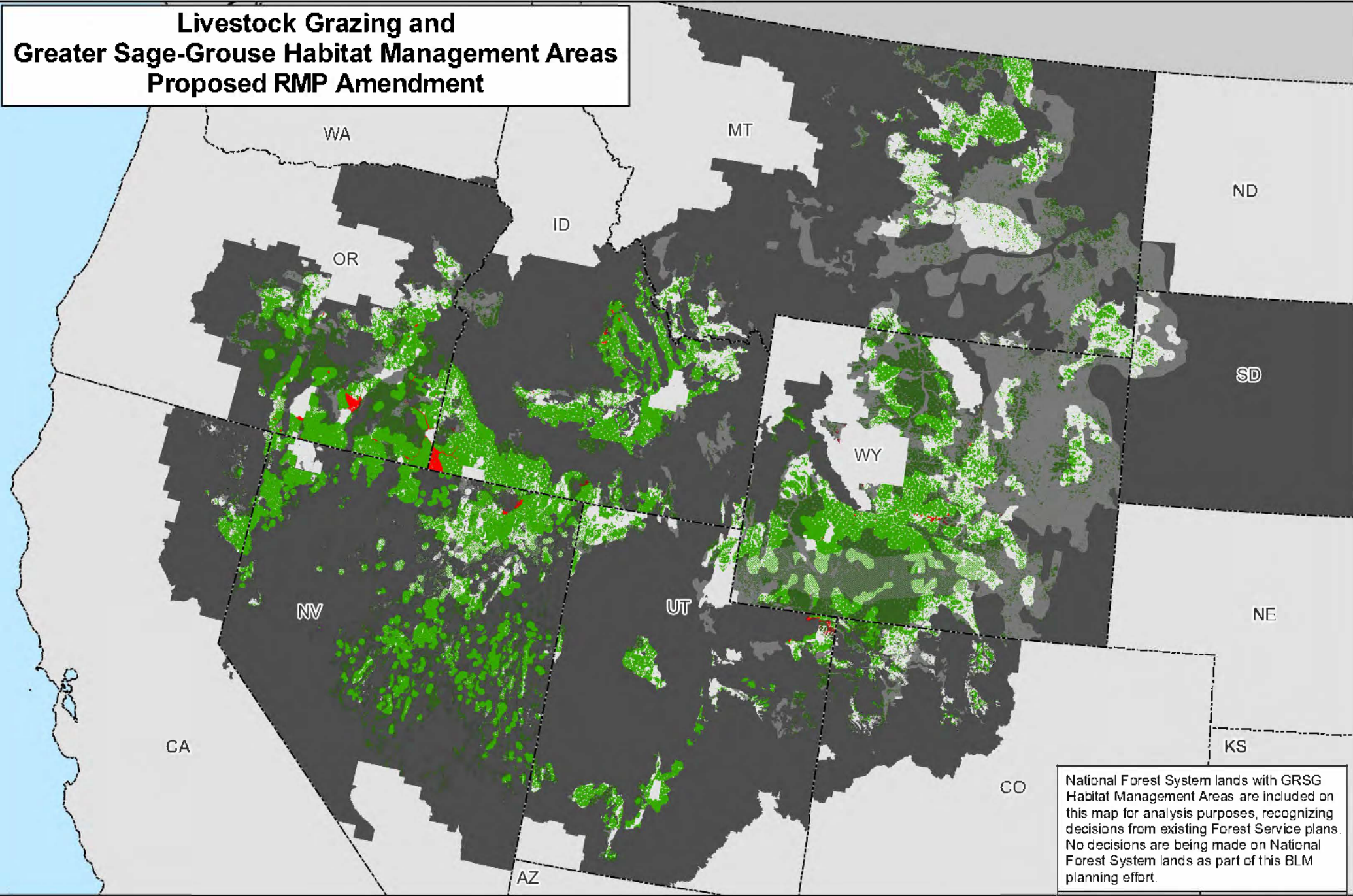
State Boundaries

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.



# **Livestock Grazing 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 2.79a**

PHUMAs / IHMAs

GHUMAs / Add'l HMAs

**Legend**

Non-Shaded Areas: PHUMAs/IHMAs

Shaded Areas: GHUMAs/Additional Habitat Mgmt Areas

■ Livestock Grazing - Unavailable

■ Livestock Grazing - Available

■ Non-Habitat Management Areas in the Planning Area Extent

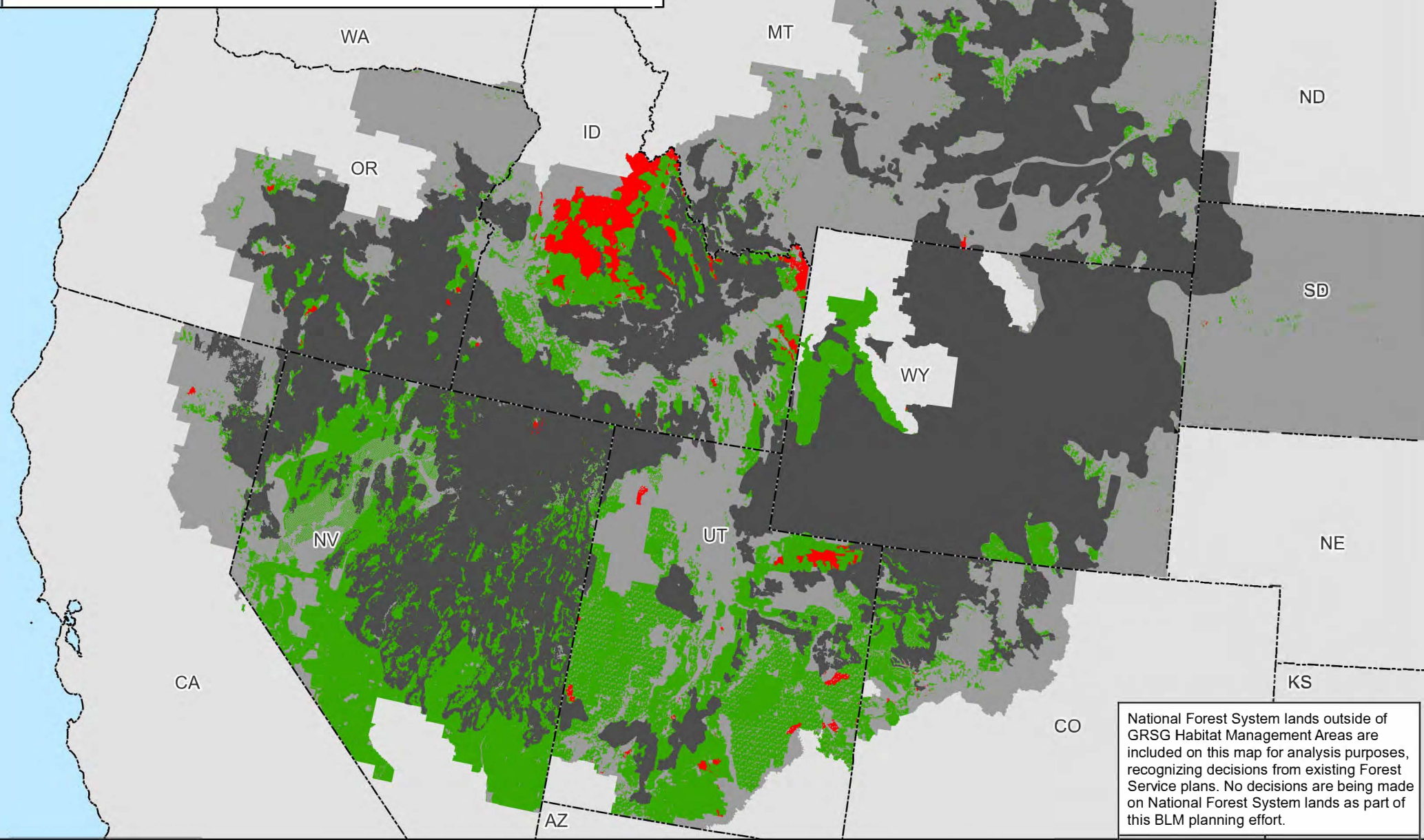
State Boundaries

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.





# Livestock Grazing Outside of Greater Sage-Grouse Habitat Management Areas Proposed RMP Amendment



Map 2.79b

**Legend**

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

**Masked Areas: Within GRSG Habitat Management Areas**

■ Livestock Grazing - Unavailable

■ Livestock Grazing - Available

GRSG Habitat Management Areas

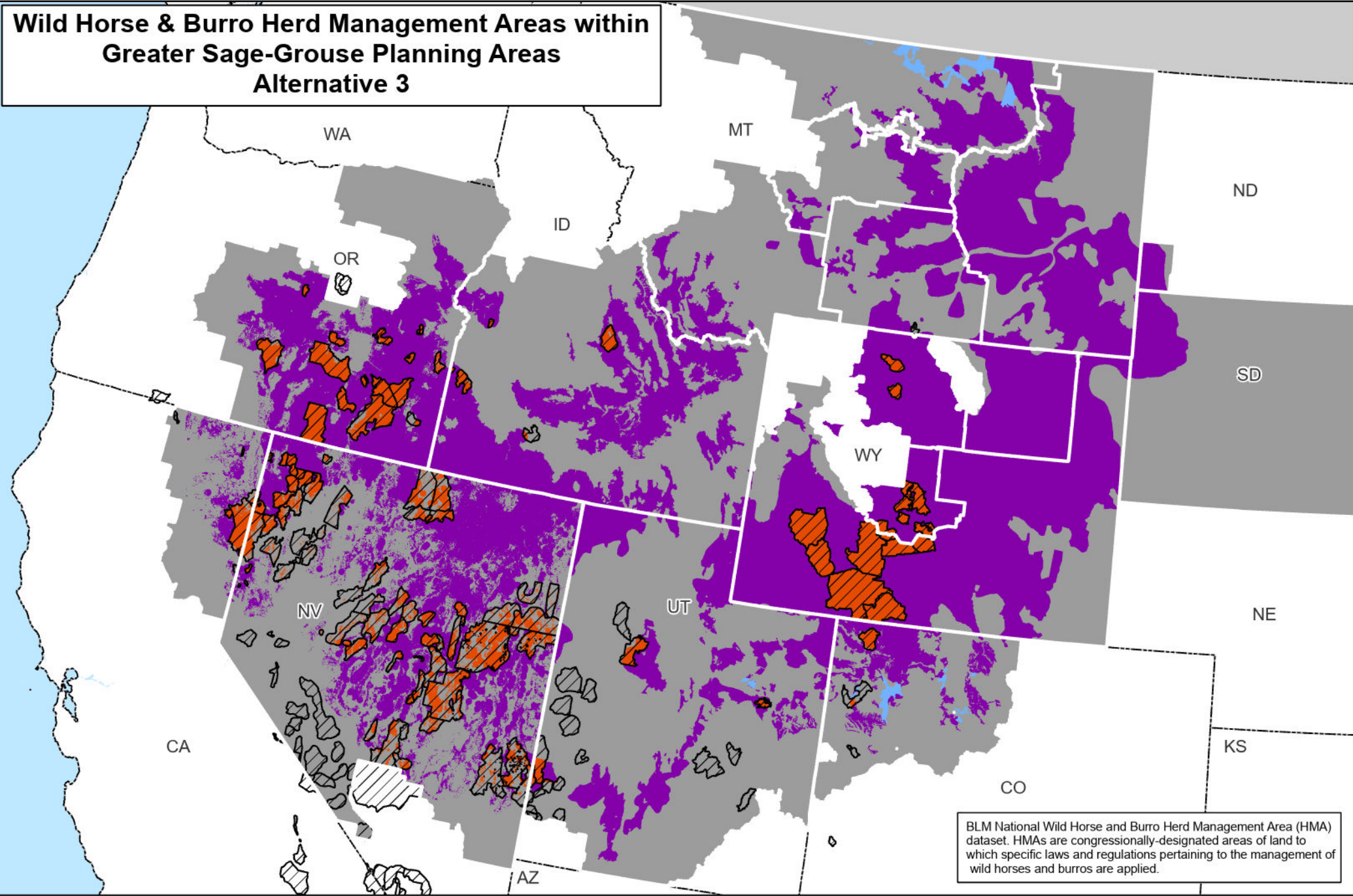
Planning Area Extent

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.



# Wild Horse & Burro Herd Management Areas within Greater Sage-Grouse Planning Areas Alternative 3



Map 2.80

- Legend**
- Herd Management Area (HMA) Polygons
  - PHMA in WHB HMAs
  - PHMA
  - Anthro Mtn; LCHMA; CHMA

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.

