

Range Maps for the Terrestrial Natural Communities of Nebraska

**Version I
September 2014**

Steven B. Rolfsmeier
Chadron State College
Chadron, NE 69337

Gerry Steinauer
Nebraska Game and Parks Commission
Aurora, NE 68818

Rachel Simpson
Nebraska Game and Parks Commission
Lincoln, NE 68503

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This document includes range maps for the 83 terrestrial natural (plant) communities described in *Terrestrial Ecological Systems and Natural Communities of Nebraska (Version IV - March 9, 2010)* by Rolfsmeier and Steinauer 2010. Each map includes the known range and potential range for individual community types. The known range includes areas where a community has been documented and areas where it has not been documented but thought very likely to occur. The potential range includes areas where the community has not been documented but is thought to have some potential to occur. The maps should be considered approximations of the community ranges and are meant to be used at a coarse scale. For many of Nebraska's natural community types, field inventory is limited and therefore it not possible to draw definitive range maps. It is possible that a community type may occur outside the known and potential ranges shown on the maps.

Several steps were involved in creating the maps. For each community type, Rolfsmeier and Steinauer (2010) list the U.S. Environmental Protection Agency's Level III ecoregion(s) (Chapman et al. 2001) in which it was known to or potentially could occur. These were mapped for each community using Microsoft Access and ESRI ArcGIS software. Next these maps of the ecoregion(s) of occurrence were compared with maps of

documented occurrences of each community type compiled by the Nebraska Natural Heritage Program. Based on these comparisons and on field experience, substantial modifications were made to the maps. In many cases, the final ranges were refined such that the boundaries no longer match ecoregional boundaries.

The data presented in the maps is also available in electronic form for users of Geographic Information Systems (GIS) software. The data are in ESRI polygon shapefile format (ESRI 1998). Information available for each polygon includes the community name, the community group (wetland forest and woodland communities, upland forest and woodland communities, etc.), whether the polygon is part of the known range or the potential range, the order in which the name appears in the table of contents of Rolfsmeier and Steinauer 2010, and the page number on which the description of the community type begins.

The maps and data represent the first release of the information and should be used with caution. Maps and data will be updated as more information becomes available.

Acknowledgements

We thank Gwendolyn Farewell, Charissa Rujanavech, Rick Schneider, Christine Thody (Nebraska Natural Heritage Program, Nebraska Game and Parks Commission) and Sudhir Ponnappan (Information Technology Division, Nebraska Game and Parks Commission) for their help with the project.

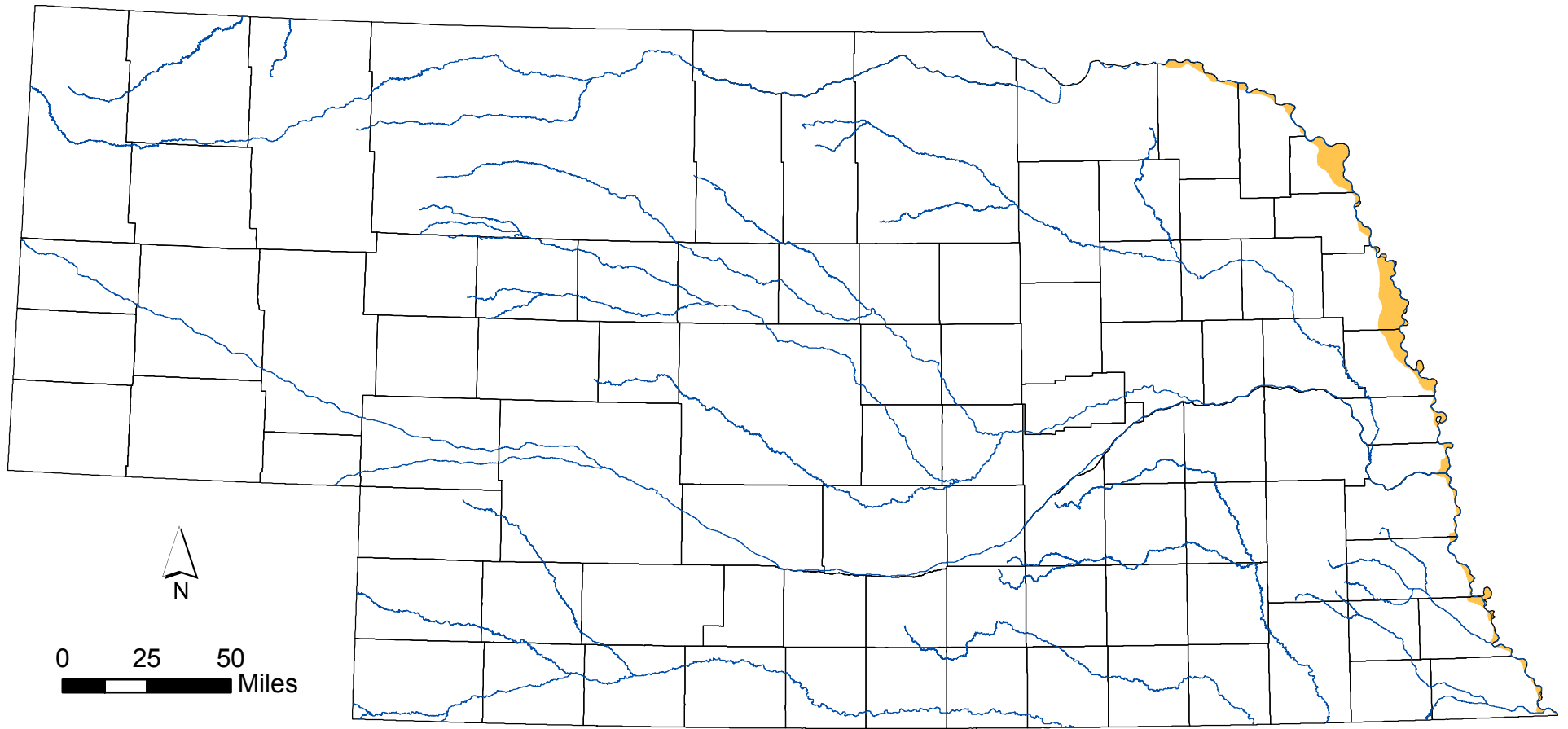
References

Chapman, S., J. Omernik, J. Freeouf, D. Huggins, J. McCauley, G. Freeman, G. Steinauer, R. Angelo, and R. Schleppe. 2001. *Ecoregions of Nebraska and Kansas (color poster with map, descriptive text, summary tables, and photographs)*. Reston, Virginia, U.S. Geological Survey (map scale 1:1,950,000).



ESRI. 1998. *ESRI Shapefile Technical Description. An ESRI White Paper- July 1998*. Environmental Systems Research Institute, Inc, Redlands, CA.

Rolfsmeier, S. B. and G. Steinauer. 2010. *Terrestrial Ecological Systems and Natural Communities of Nebraska (Version IV - March 9, 2010)*. Nebraska Natural Heritage Program, Nebraska Game and Parks Commission. Lincoln, NE. 223 pp. URL: <http://outdoornebraska.ne.gov/wildlife/programs/legacy/pdfs/Terrestrial%20Ecological%20Systems.pdf>

Range of American Lotus Aquatic Wetland



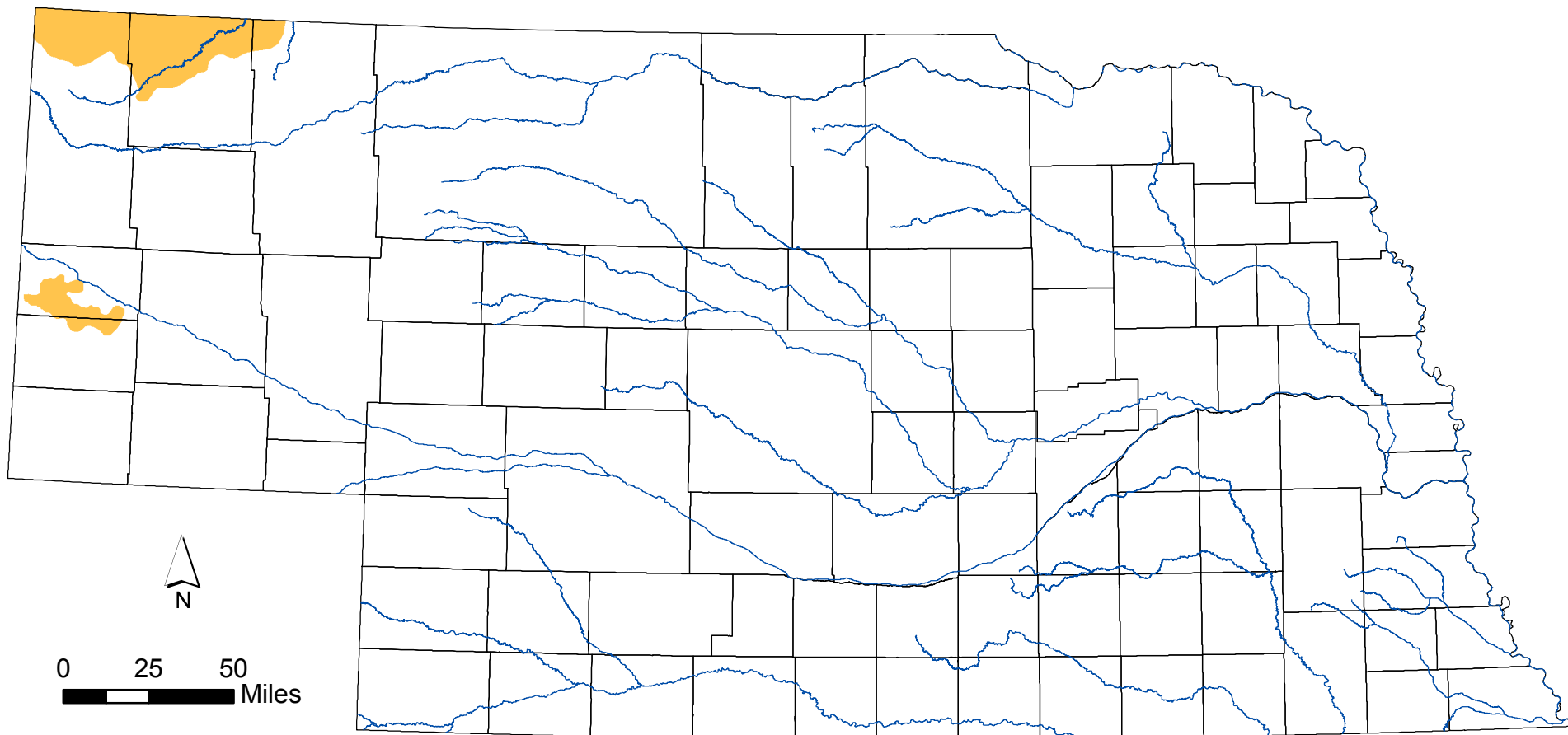
Presence

-  Known or Very Likely
-  Potential




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Range of Badlands



Presence

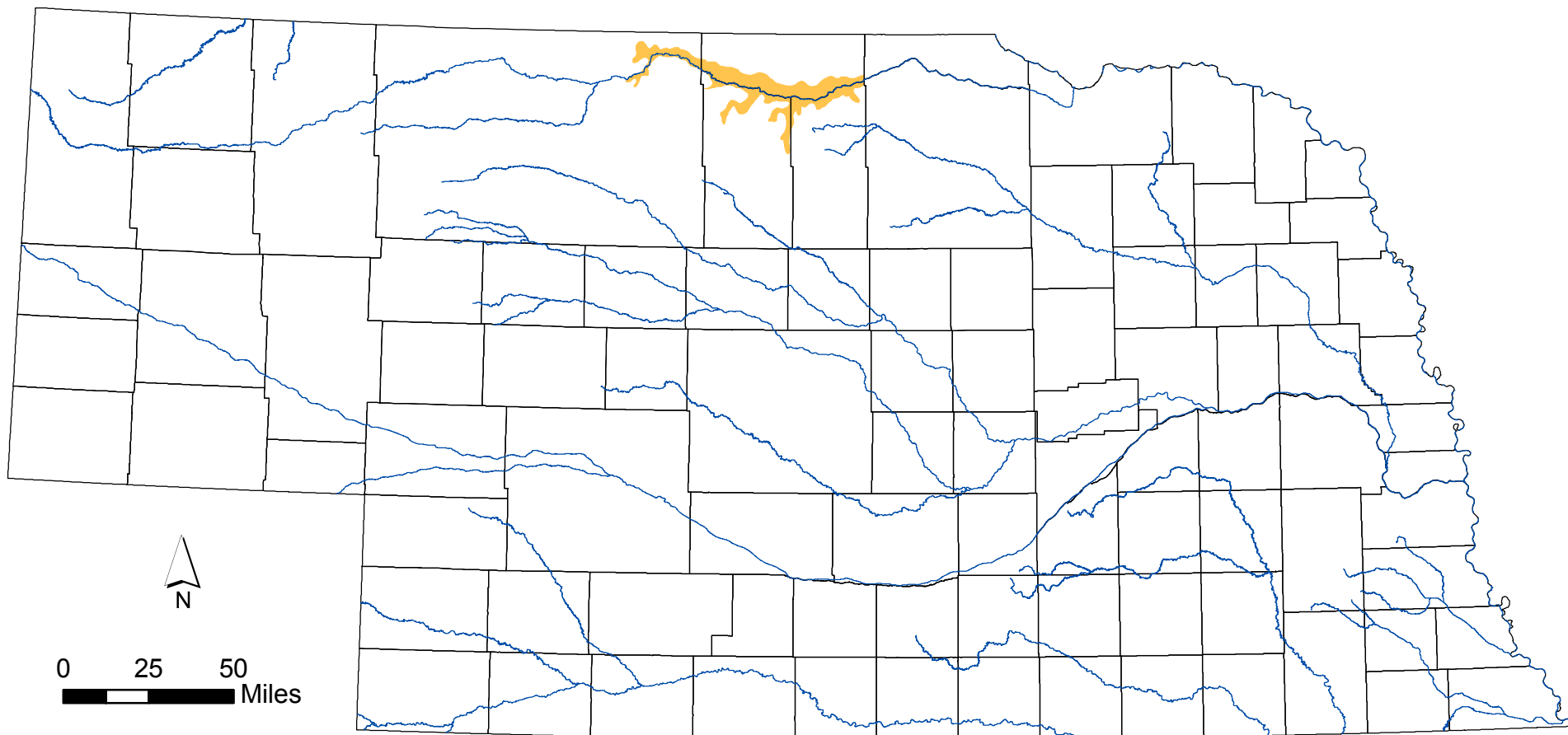
 Known or Very Likely

 Potential





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Range of Basswood - Ironwood Springbranch Canyon Forest



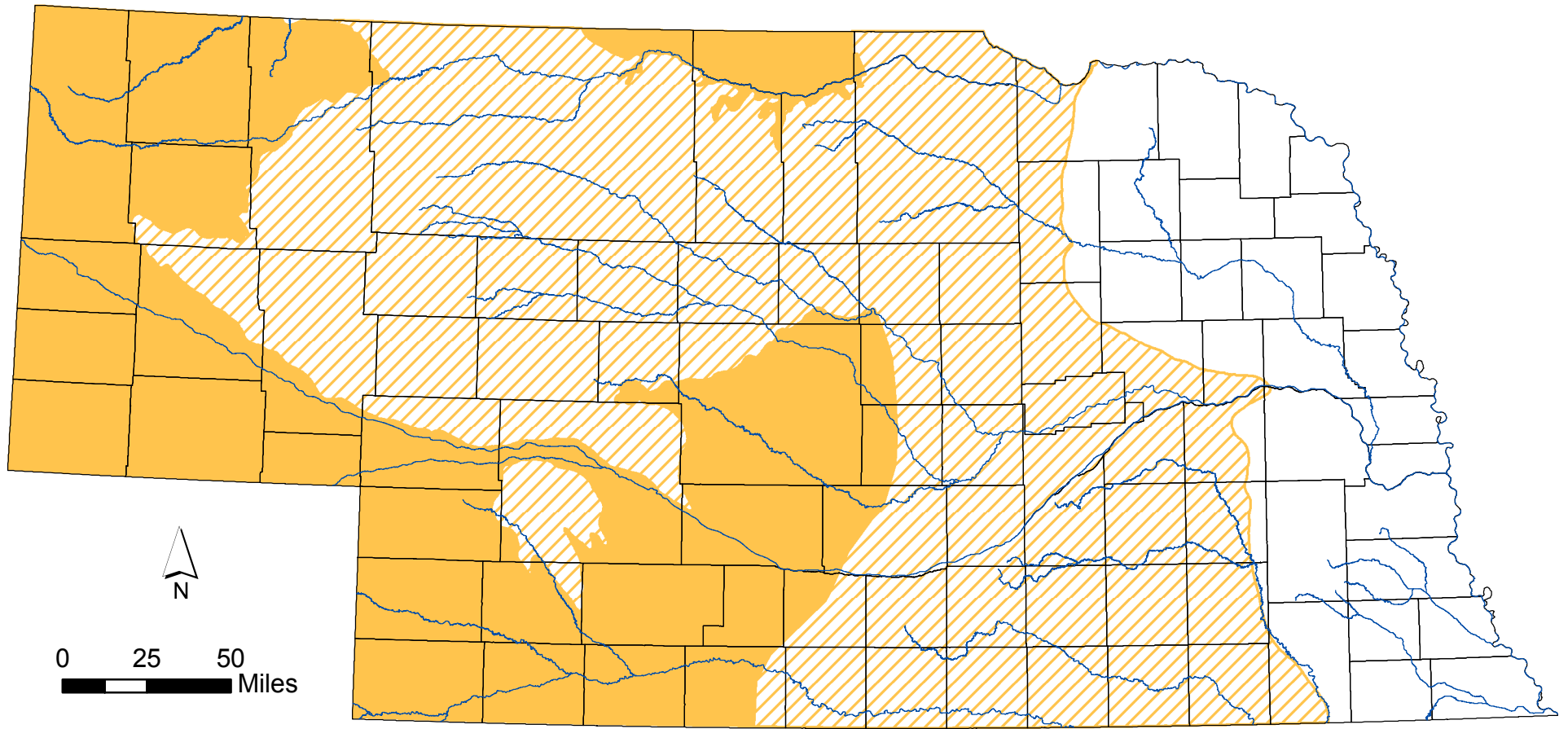
Presence

-  Known or Very Likely
-  Potential





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Range of Buckbrush Shrubland



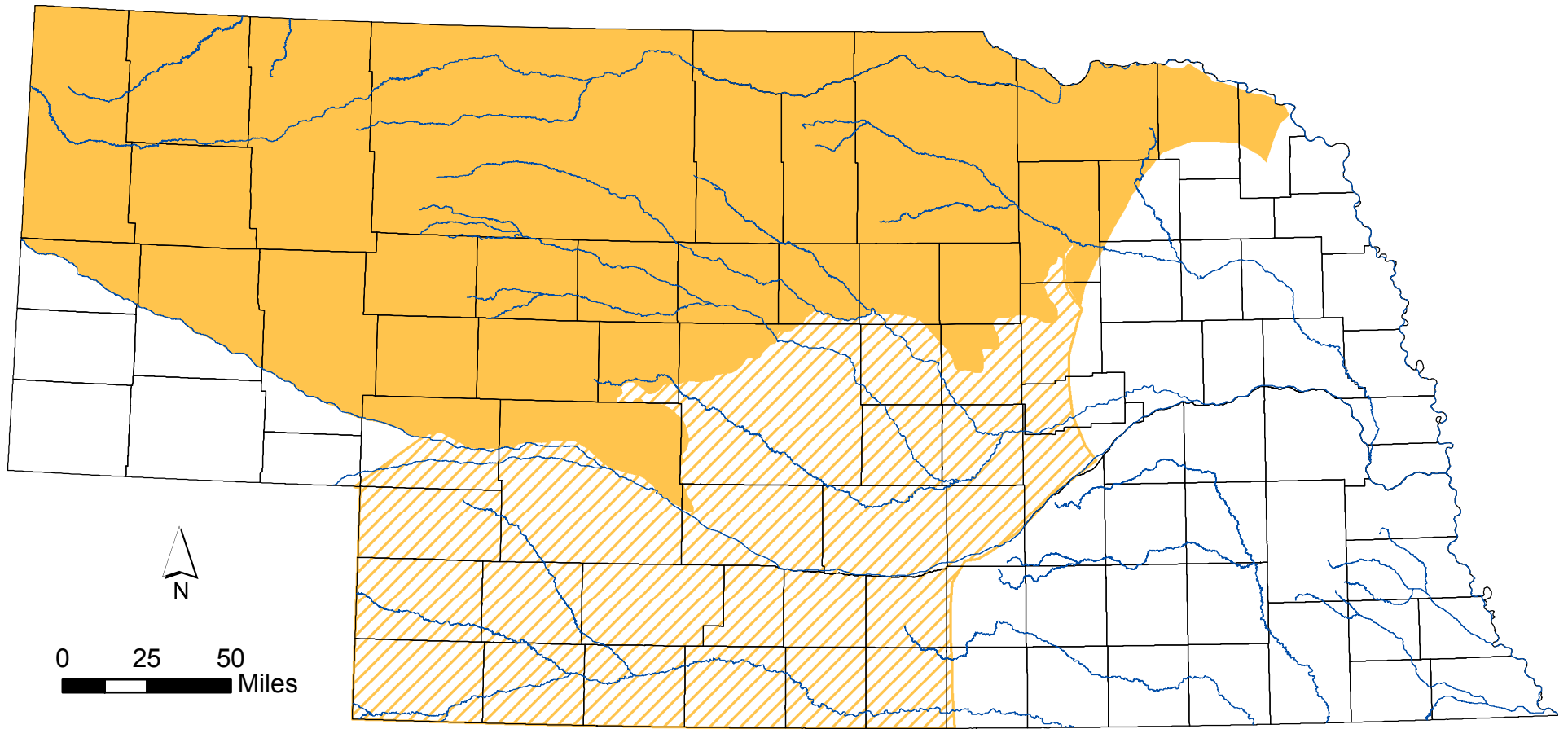
Presence

-  Known or Very Likely
-  Potential





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Range of Buffaloberry Shrubland



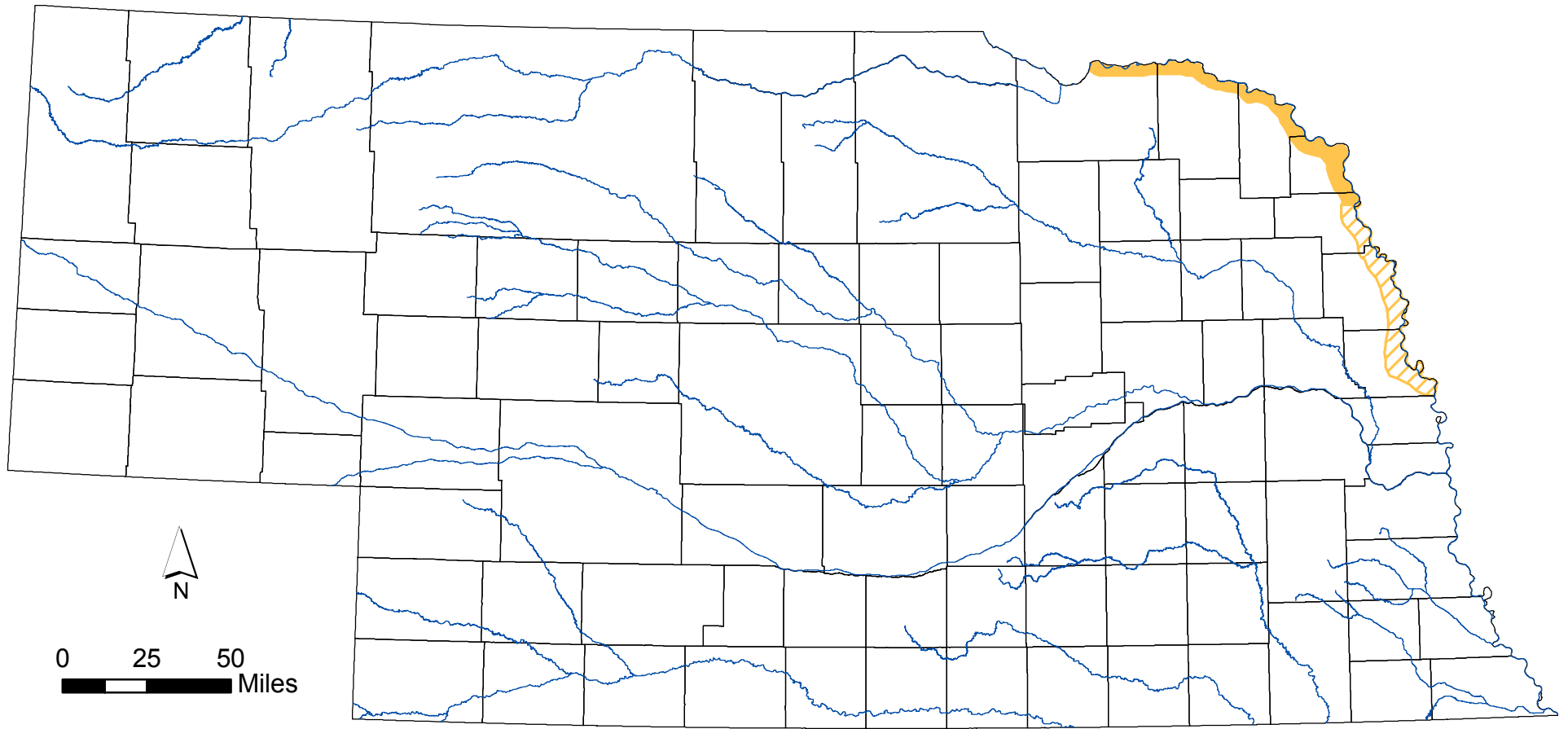
Presence

-  Known or Very Likely
-  Potential





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Range of Bur Oak - Basswood - Ironwood Forest



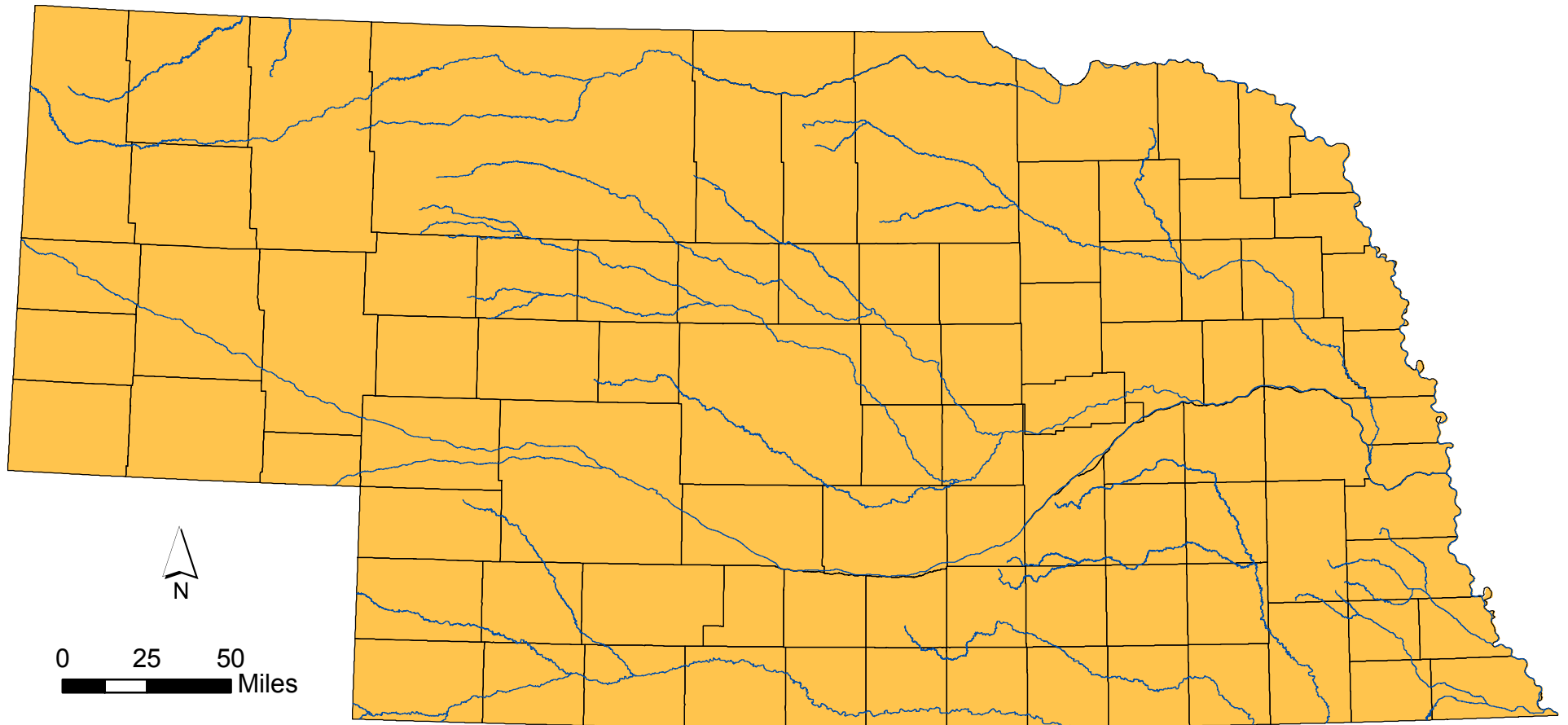
Presence

-  Known or Very Likely
-  Potential





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Range of Cattail Shallow Marsh



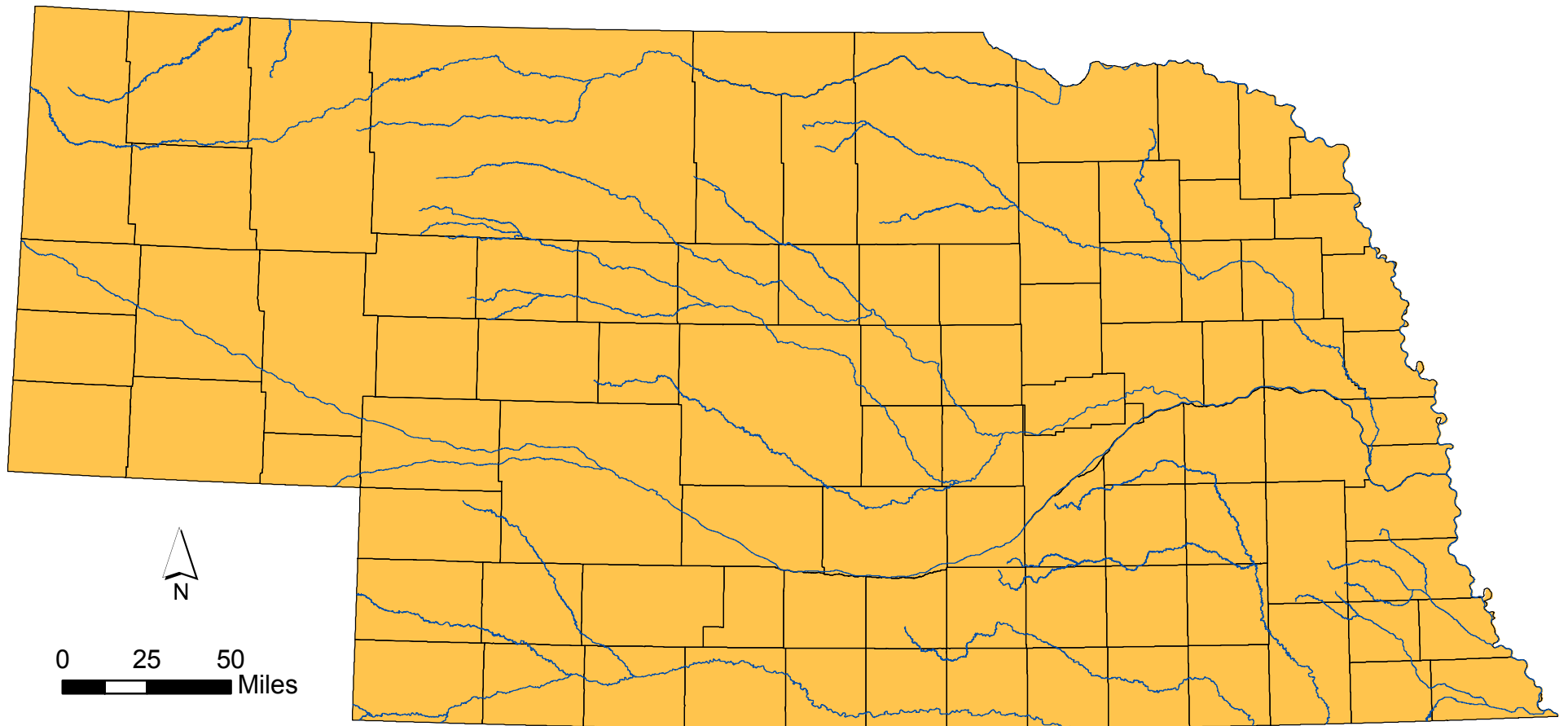
Presence

-  Known or Very Likely
-  Potential





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Range of Cottonwood-Peachleaf Willow Riparian Woodland



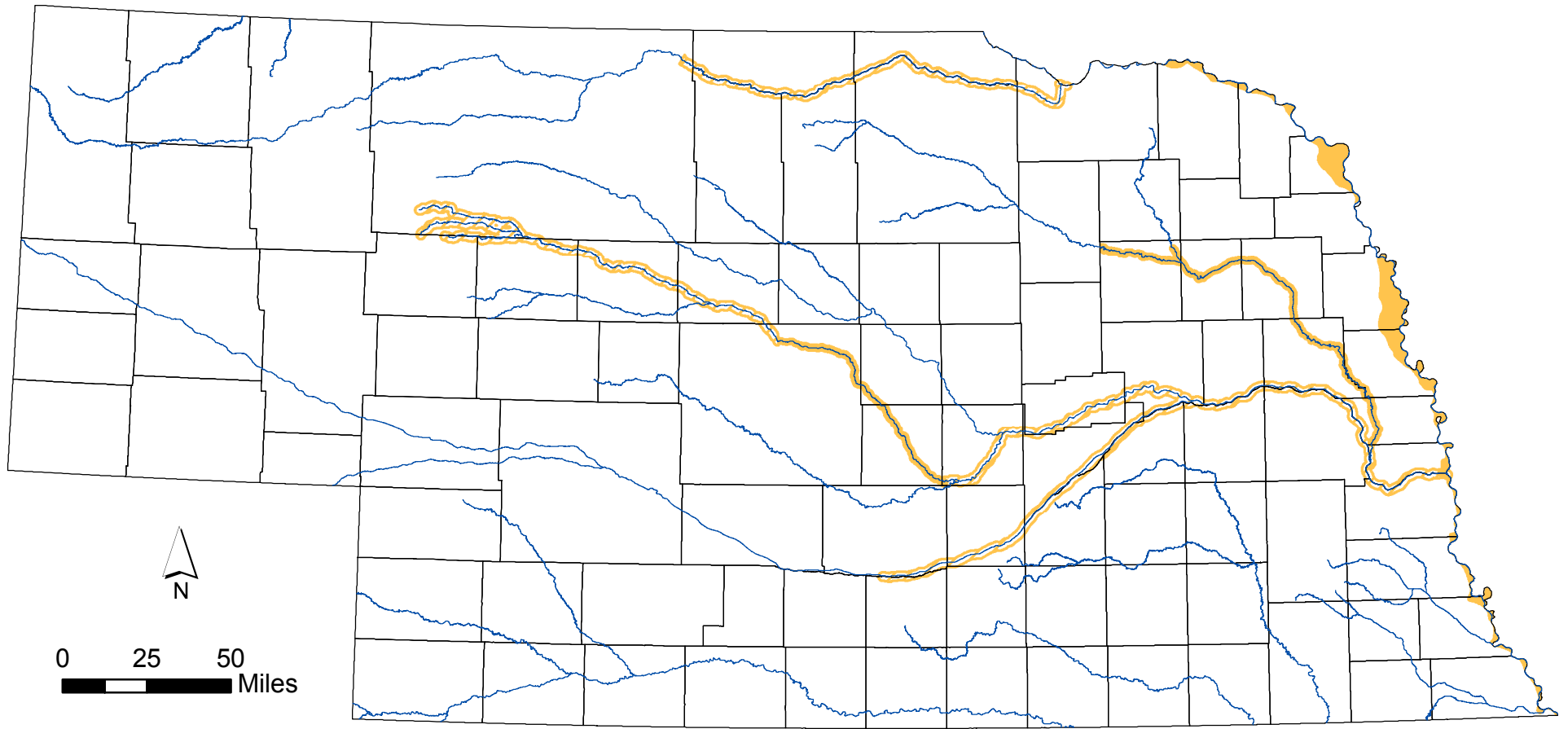
Presence

-  Known or Very Likely
-  Potential





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Range of Cottonwood - Diamond Willow Woodland



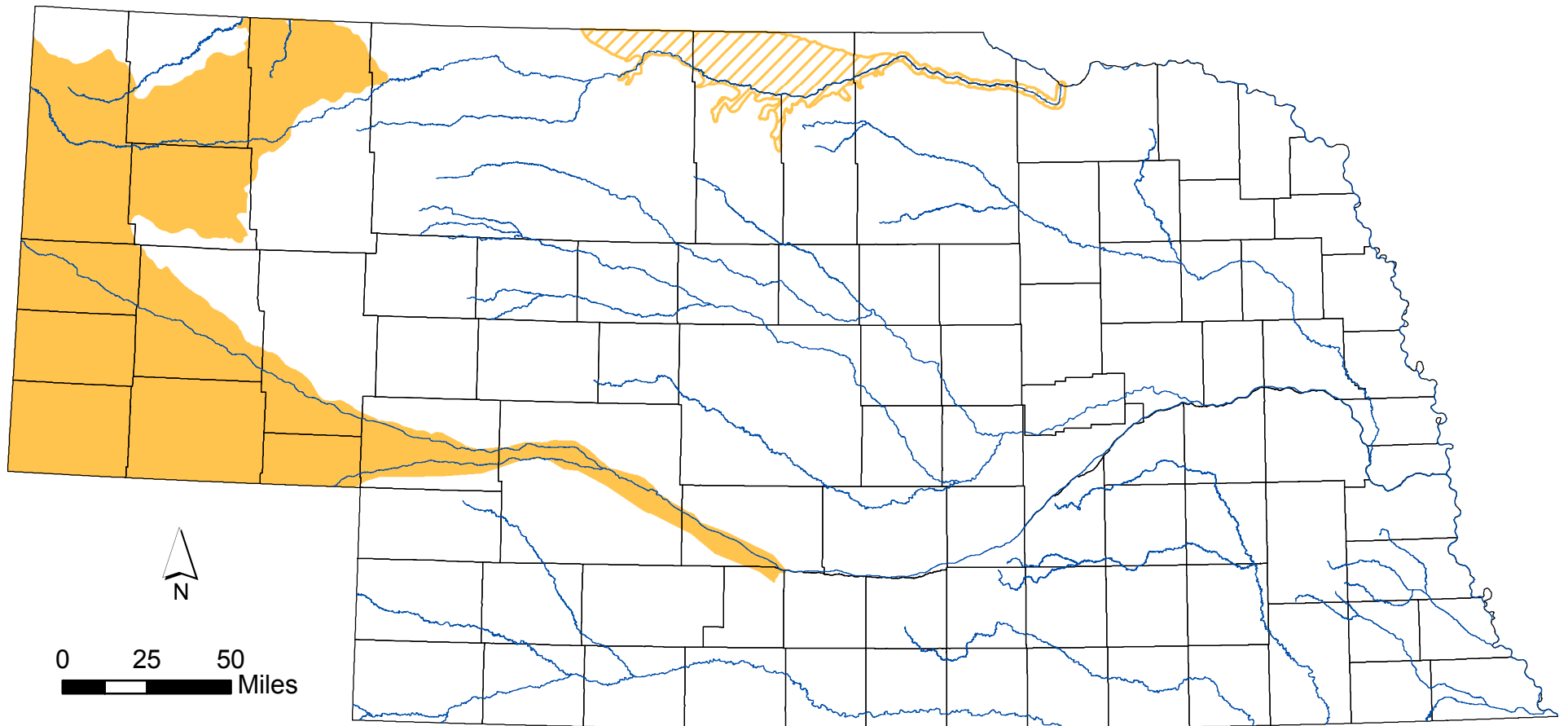
Presence

-  Known or Very Likely
-  Potential




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Range of Cottonwood Riparian Woodland



Presence

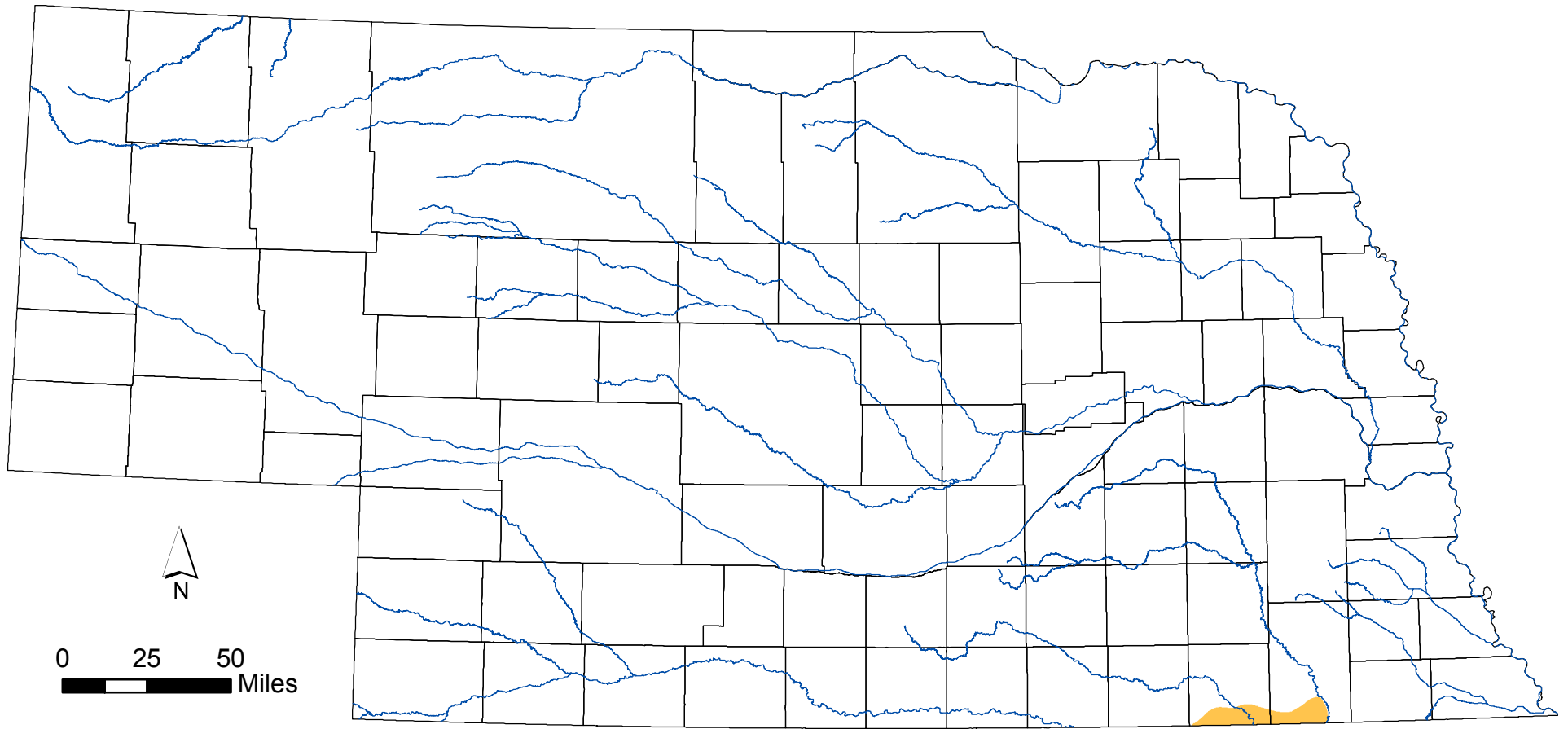
 Known or Very Likely

 Potential





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Range of Dakota Sandstone Tall-Grass Prairie



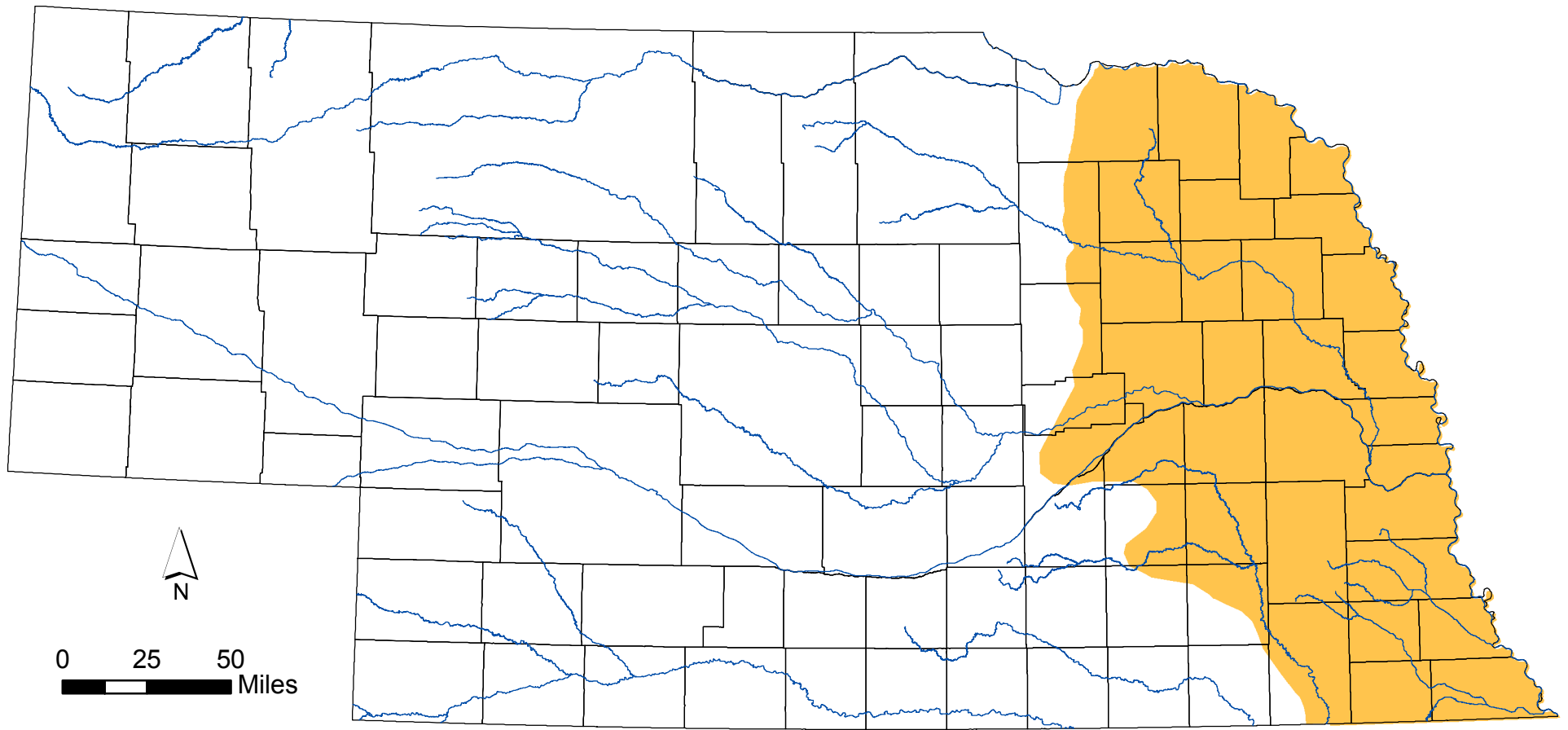
Presence

-  Known or Very Likely
-  Potential




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Range of Dry-Mesic Bur Oak Forest And Woodland



Presence

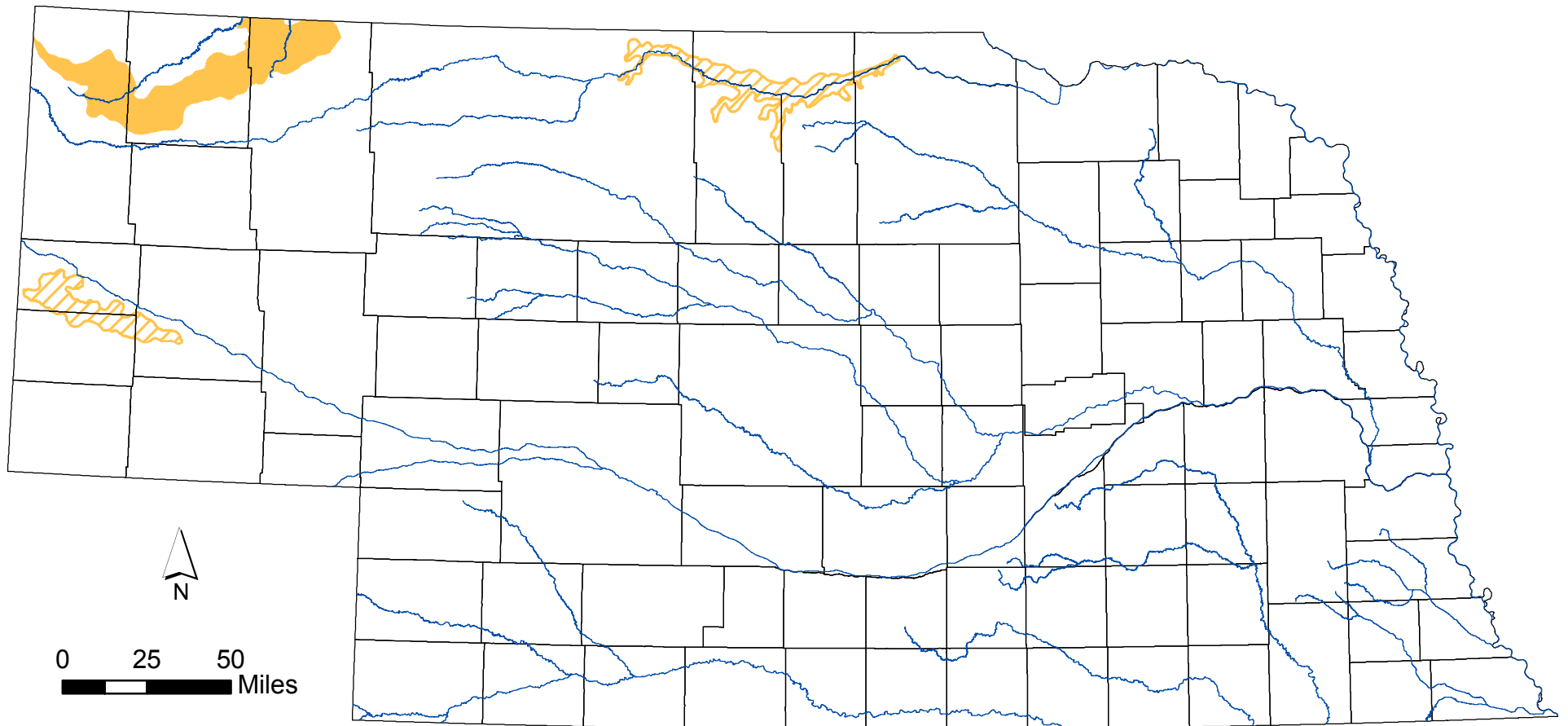
 Known or Very Likely

 Potential





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Range of Dry-Mesic Ponderosa Pine Woodland



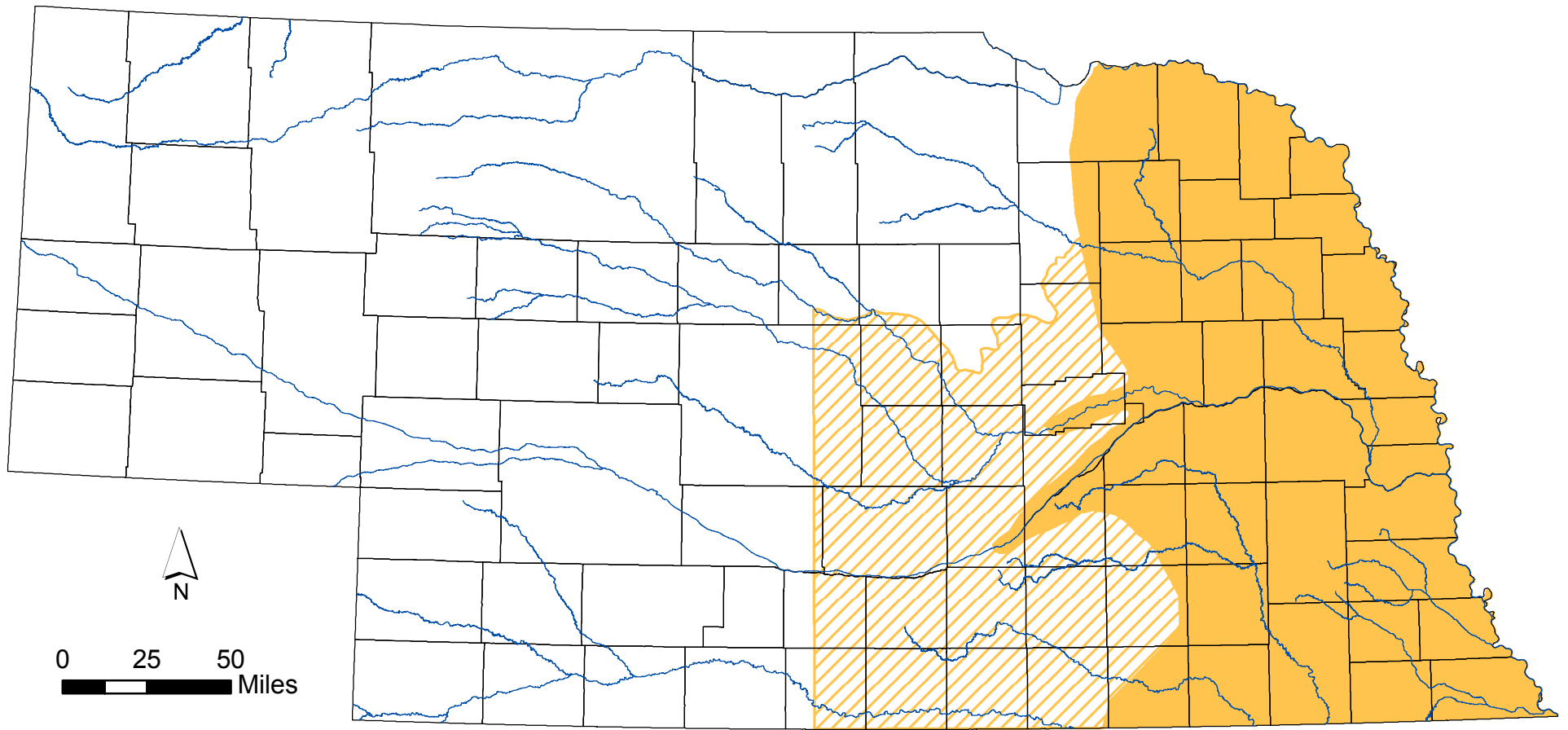
Presence

-  Known or Very Likely
-  Potential




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Range of Eastern Bulrush Deep Marsh



Presence

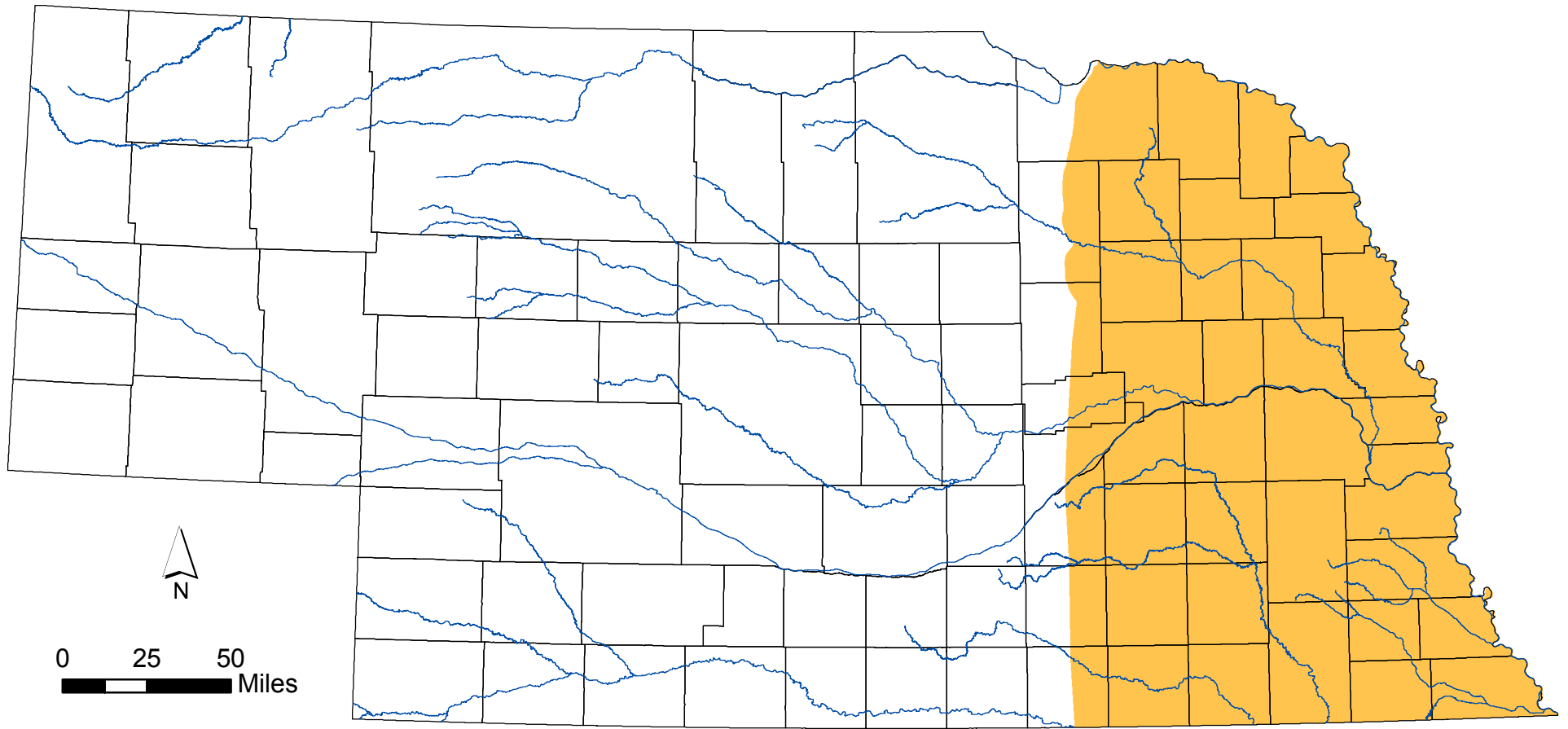
 Known or Very Likely

 Potential





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Range of Eastern Cordgrass Wet Prairie



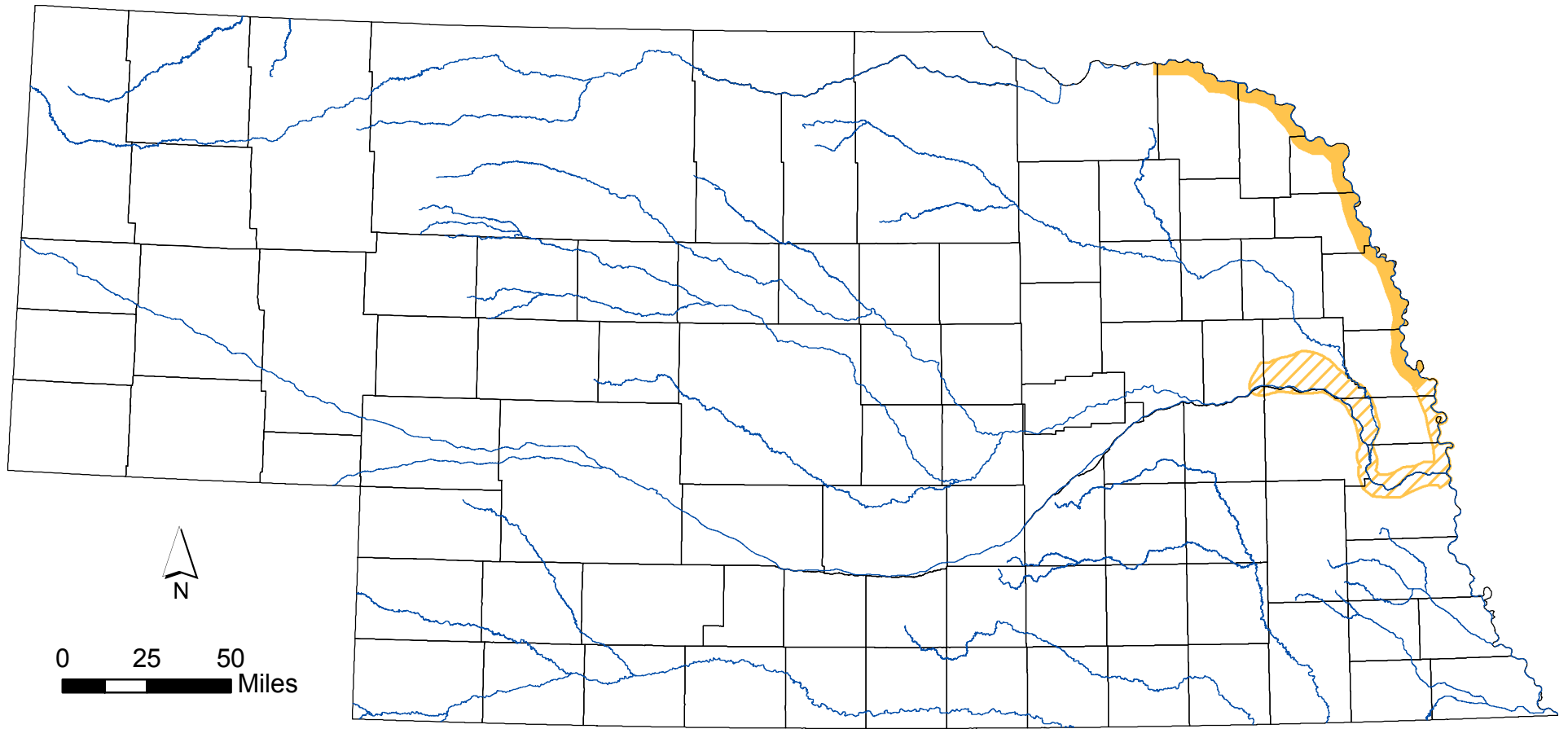
Presence

-  Known or Very Likely
-  Potential




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Range of Eastern Cottonwood - Dogwood Riparian Woodland



Presence

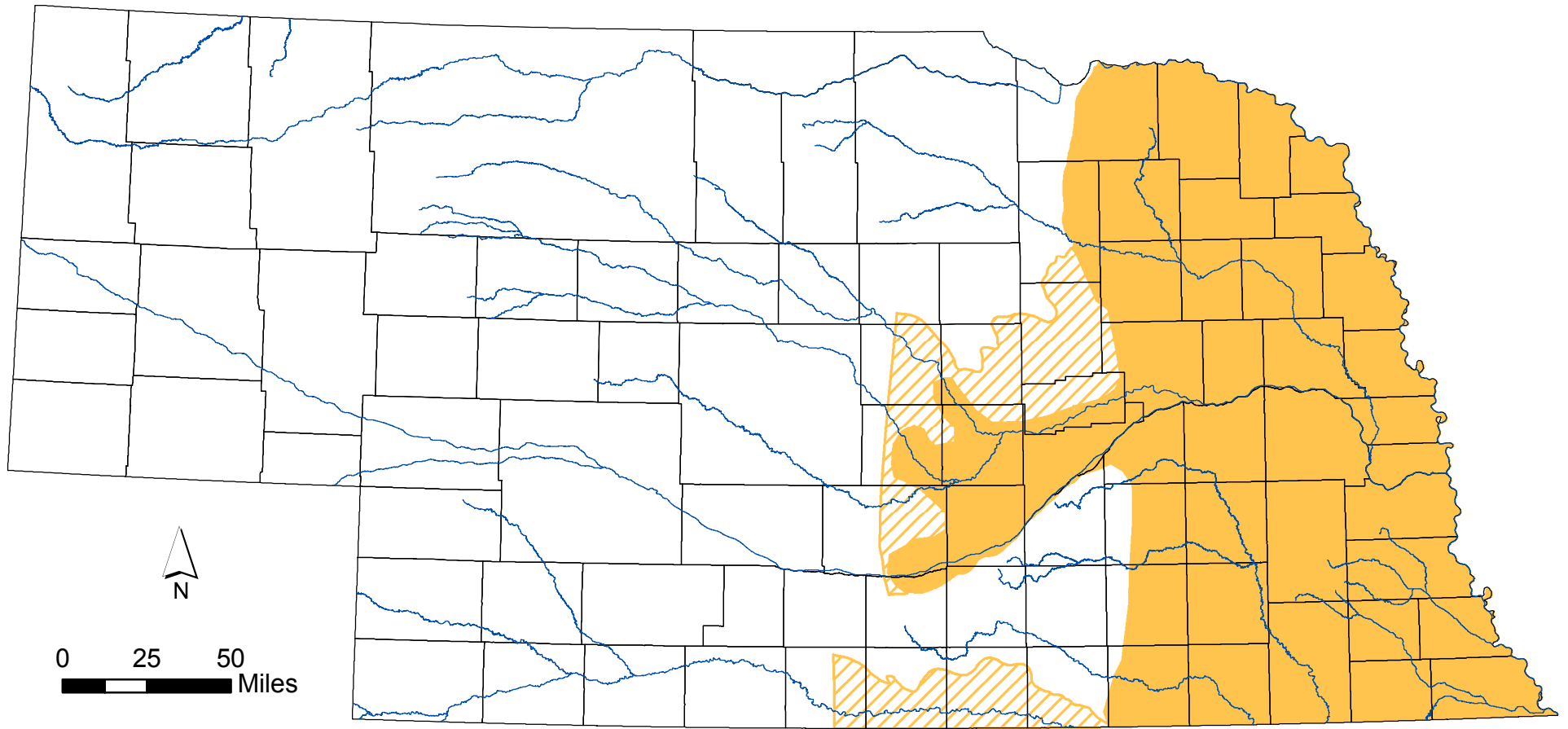
 Known or Very Likely

 Potential




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Range of Eastern Riparian Forest



0 25 50
Miles

Presence

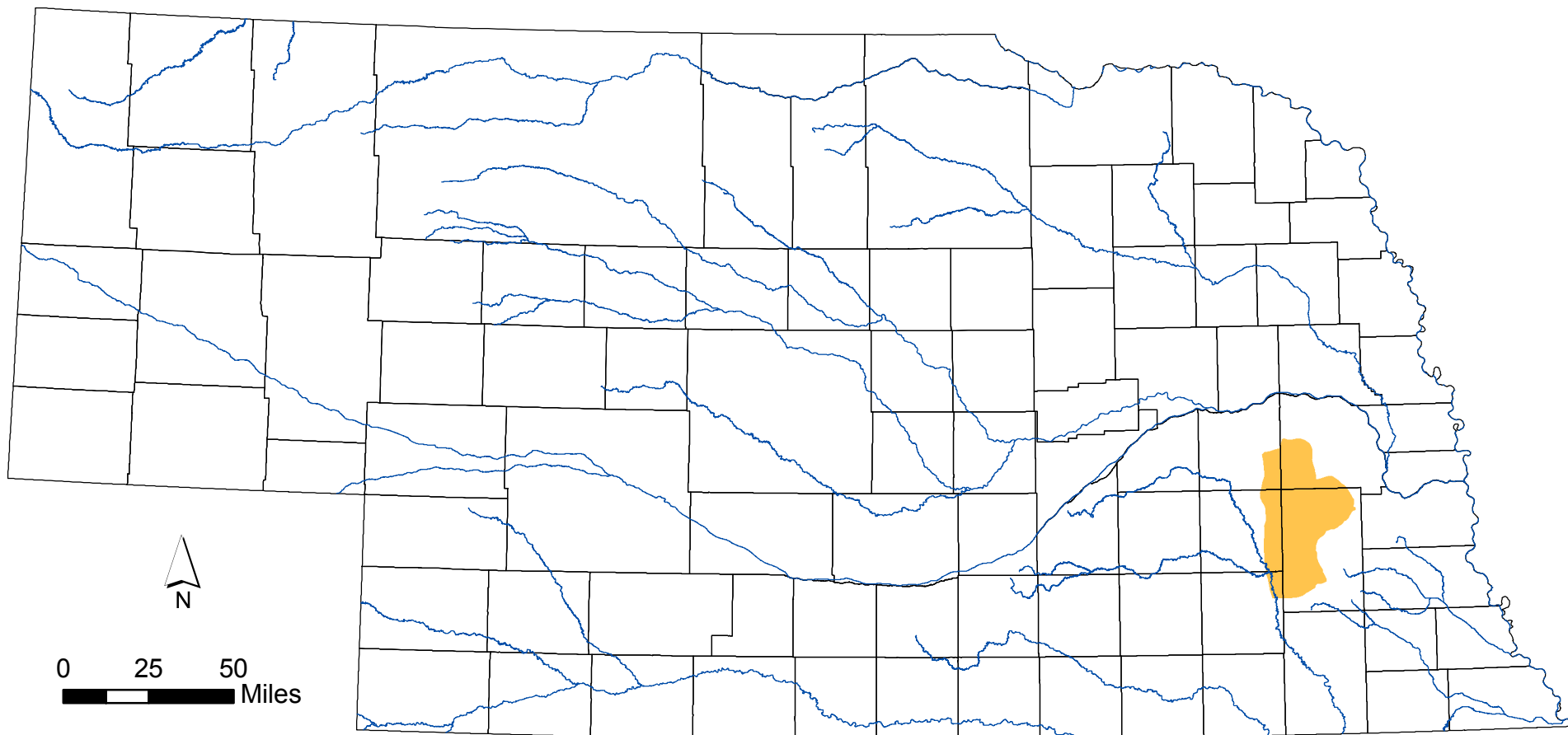
 Known or Very Likely

 Potential




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Range of Eastern Saline Marsh



Presence

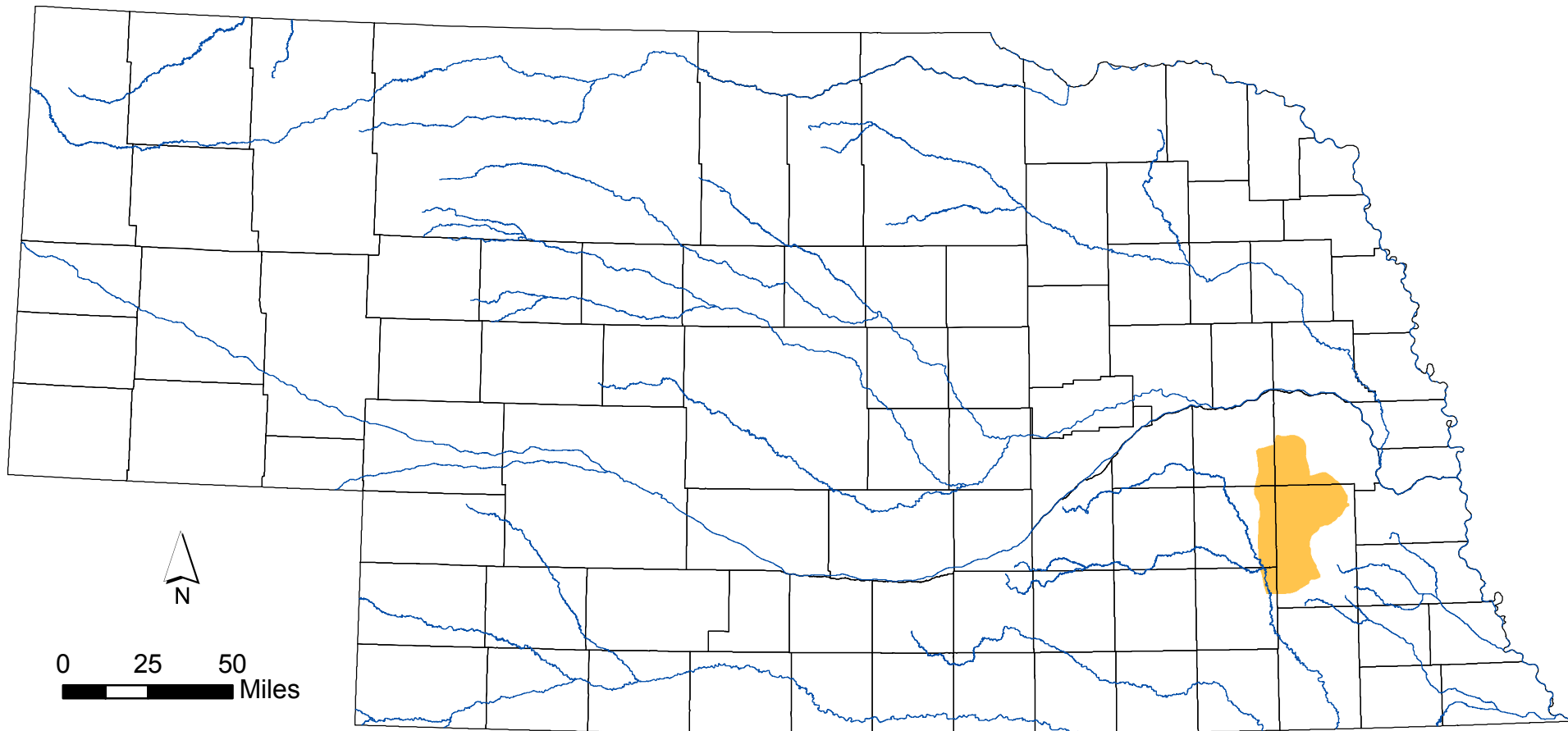
 Known or Very Likely

 Potential




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Range of Eastern Saline Meadow



Presence

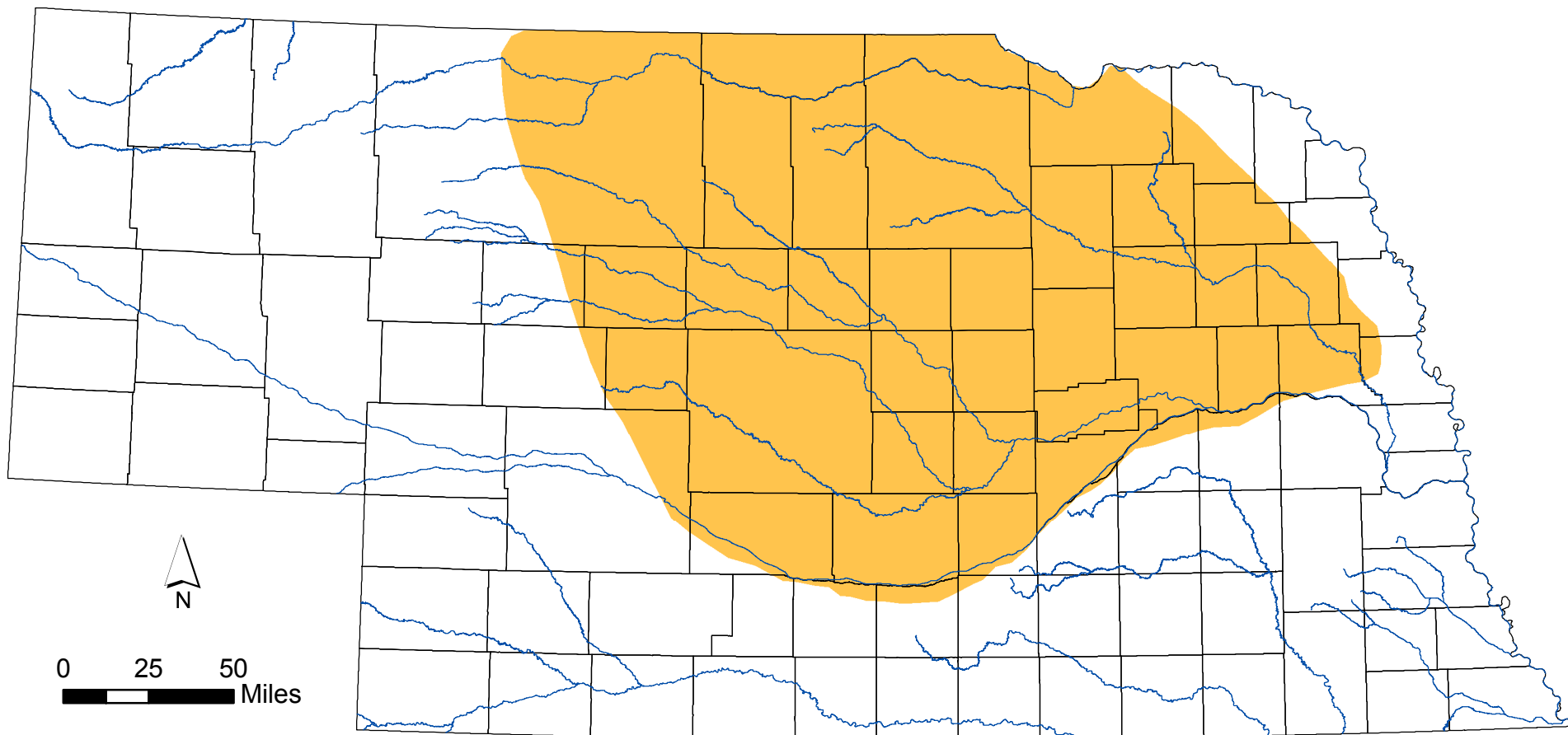
 Known or Very Likely

 Potential




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Range of Eastern Sand Prairie



Presence

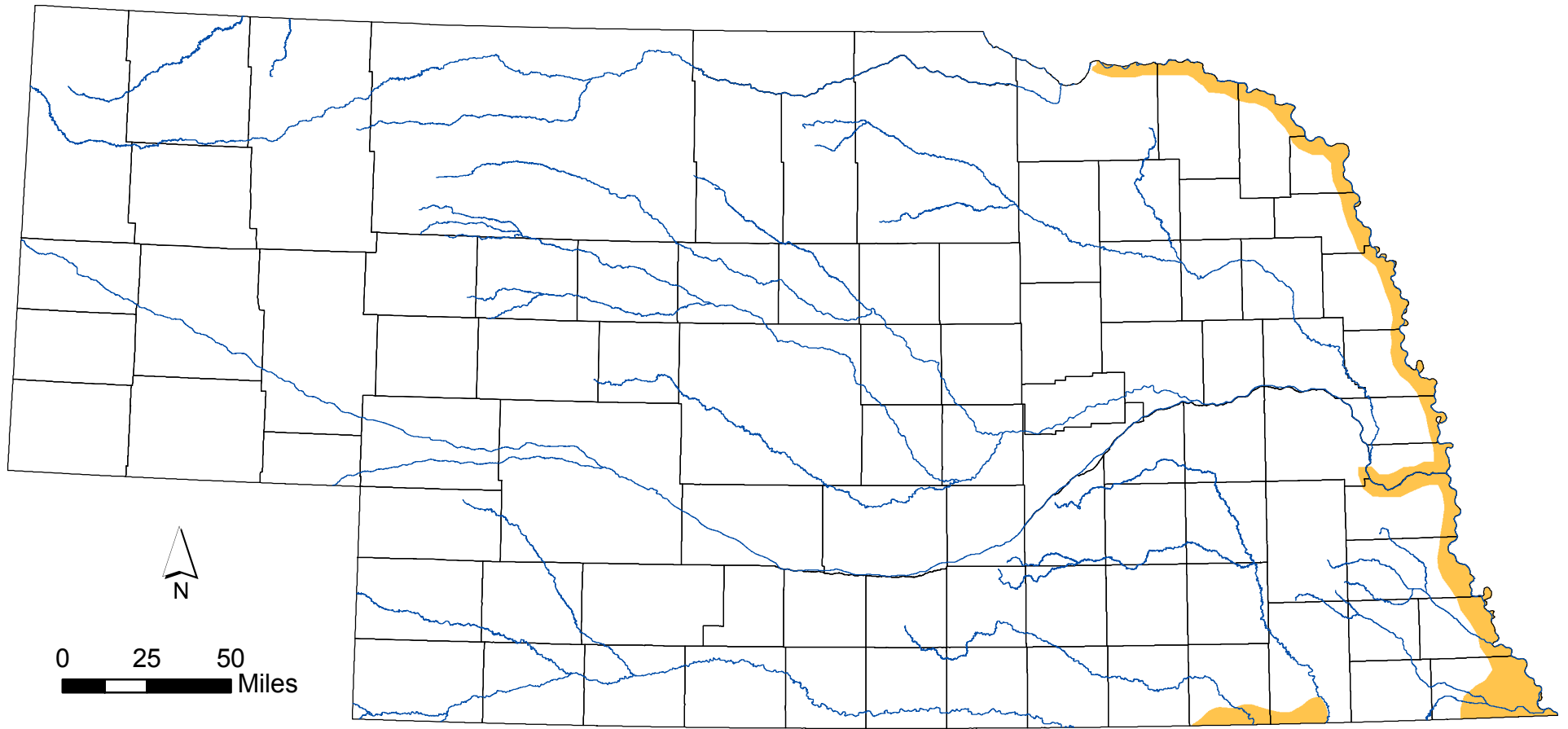
 Known or Very Likely

 Potential





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Range of Eastern Sandstone Bluff And Cliff



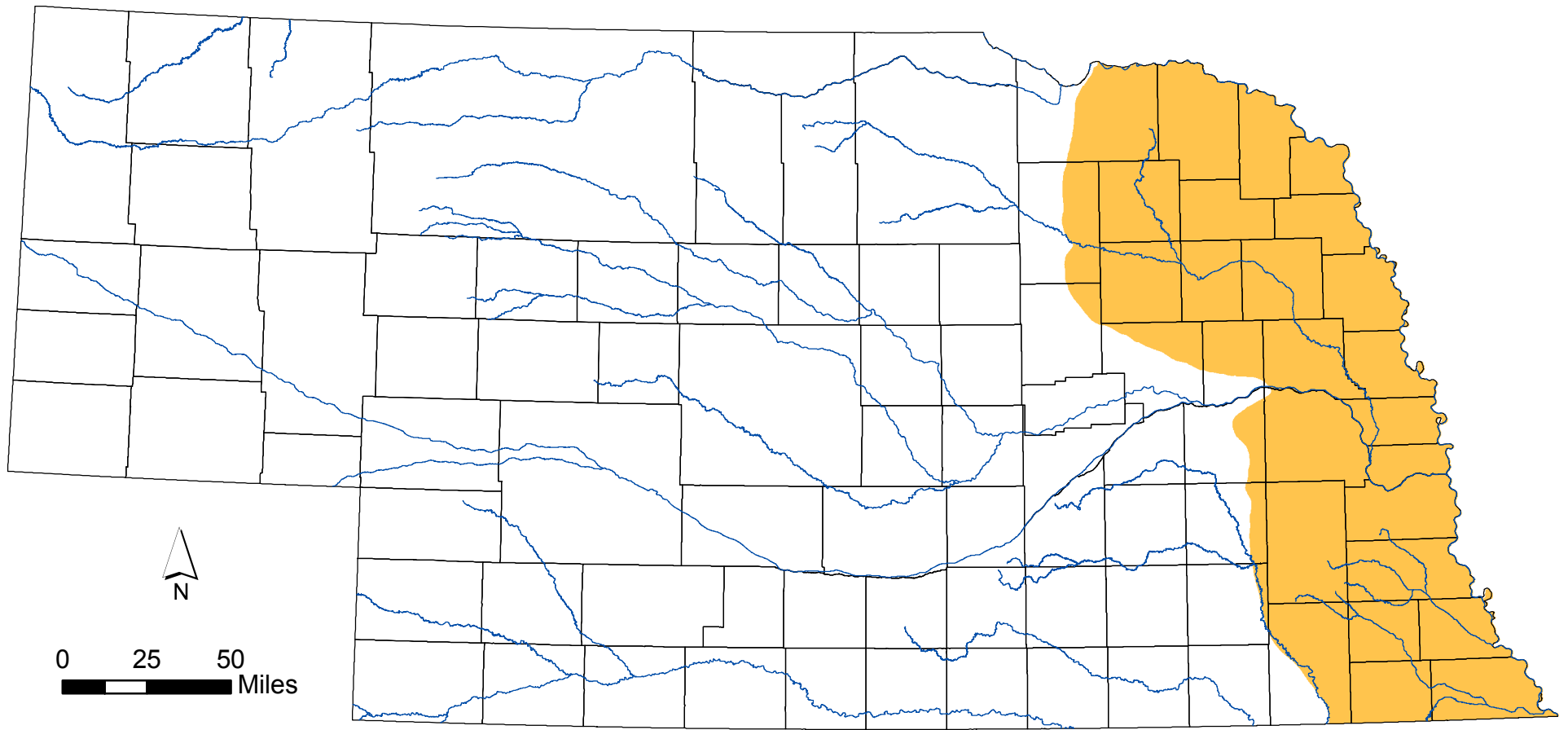
Presence

-  Known or Very Likely
-  Potential




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Range of Eastern Sedge Wet Meadow



Presence

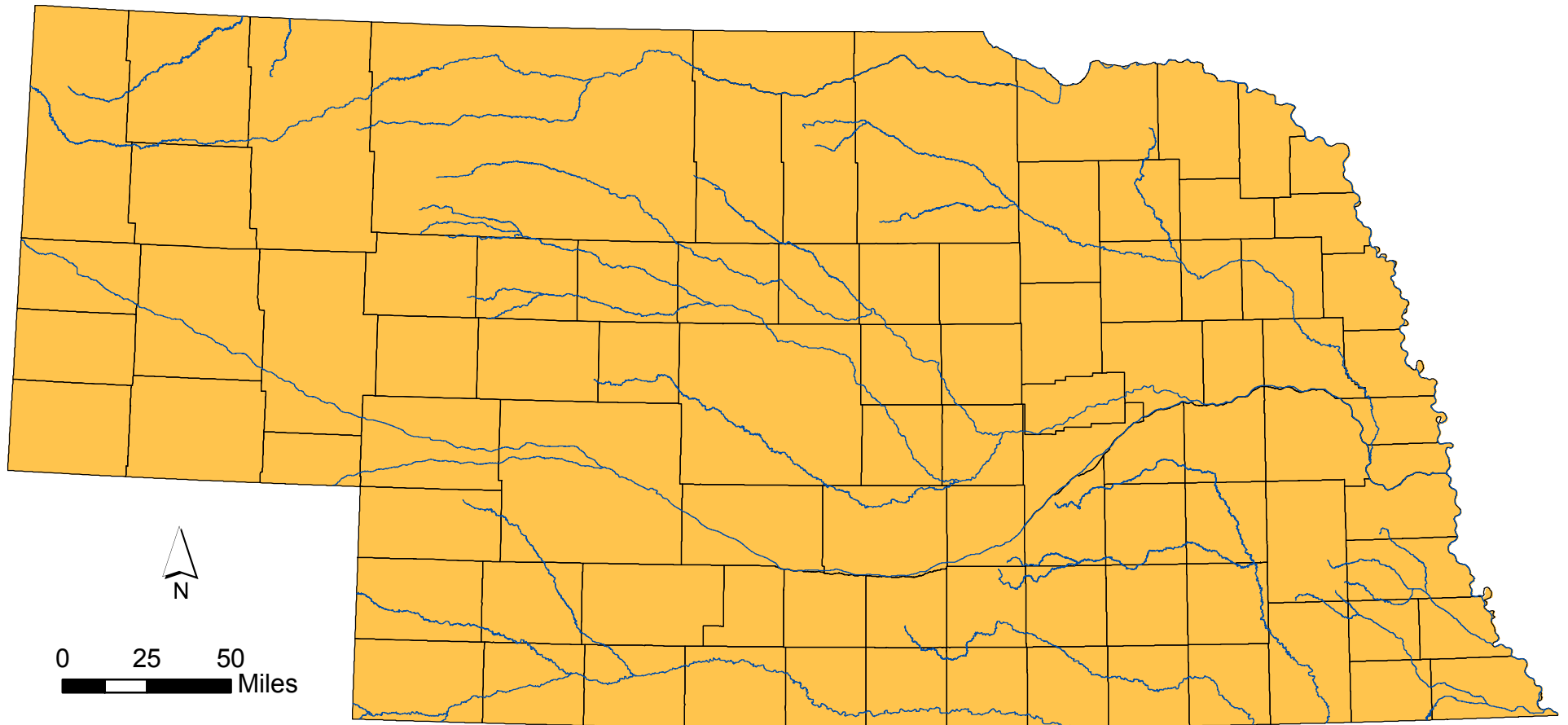
 Known or Very Likely

 Potential




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Range of Freshwater Seep



Presence

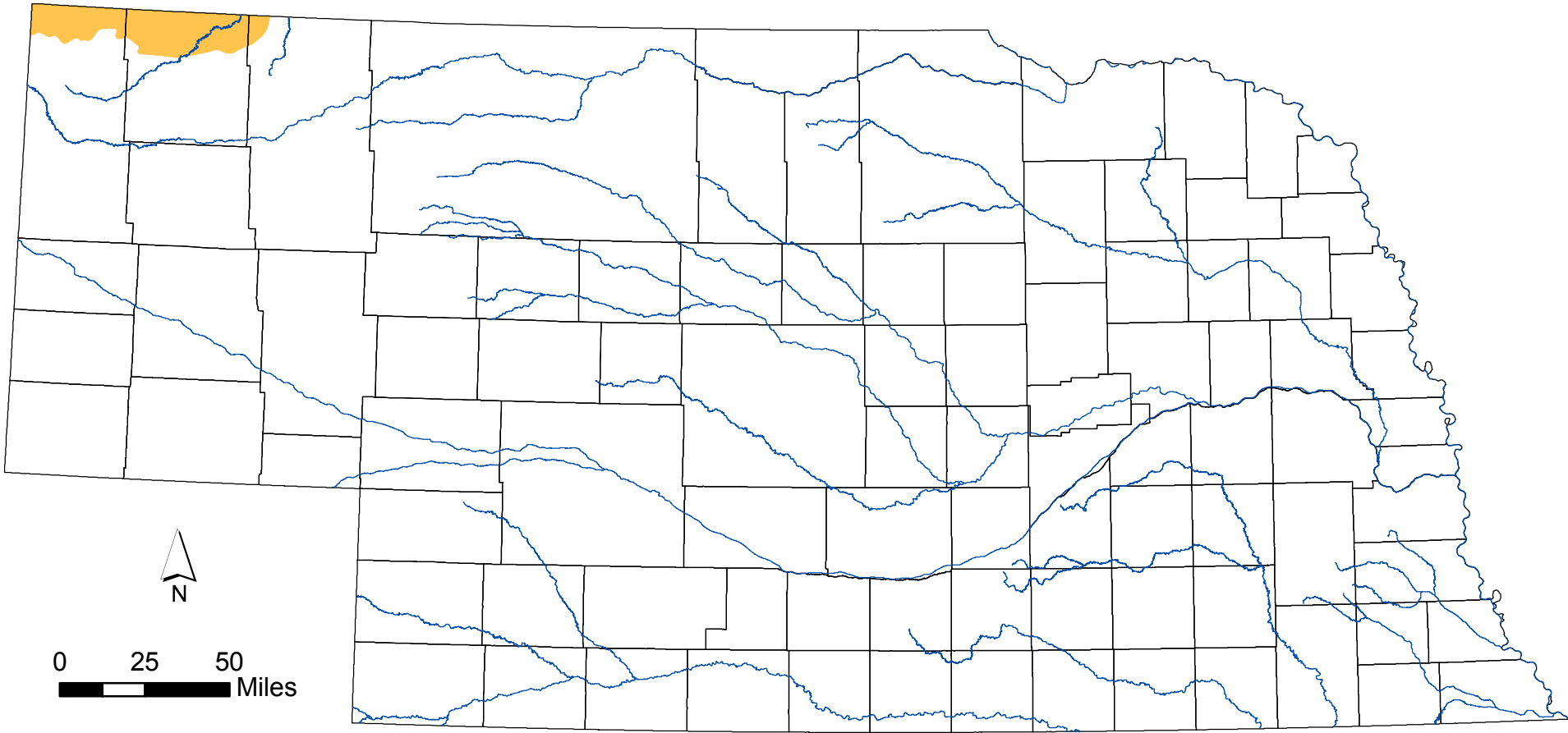
 Known or Very Likely

 Potential



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Range of Greasewood Shrub Prairie

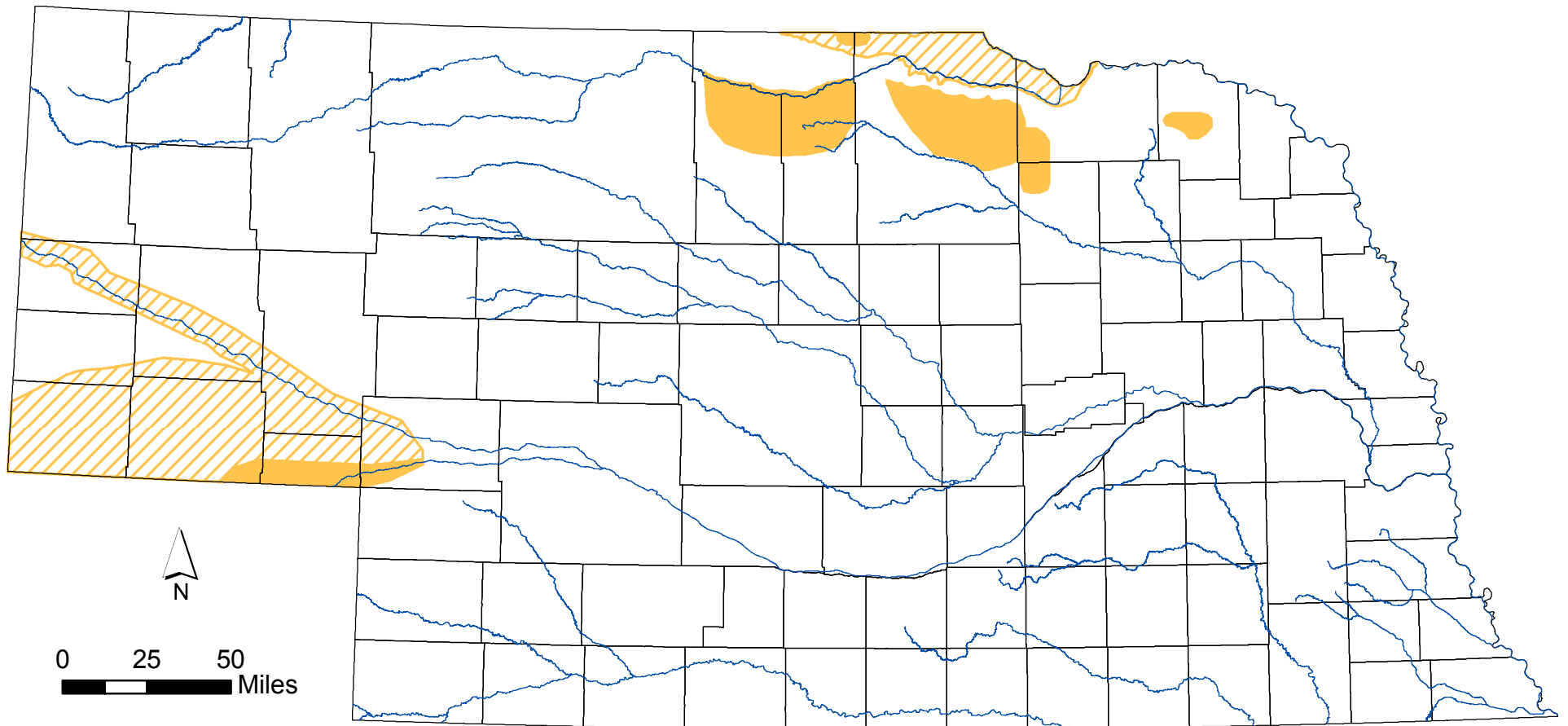


Presence
Known or Very Likely
Potential





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Range of Great Plains Gravel/Cobble Prairie



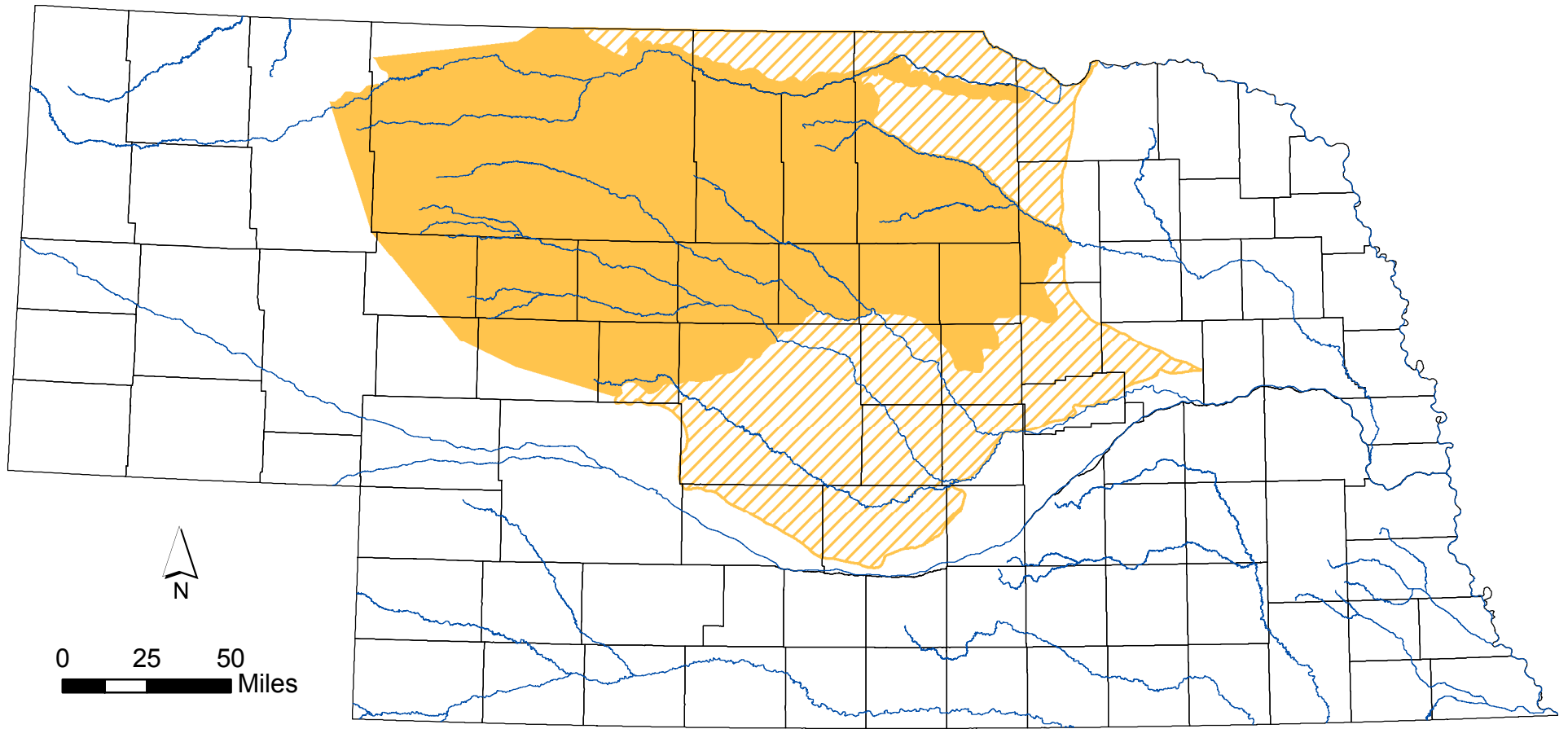
Presence

-  Known or Very Likely
-  Potential





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Range of Green Ash-Eastern Red Cedar Scarp Woodland



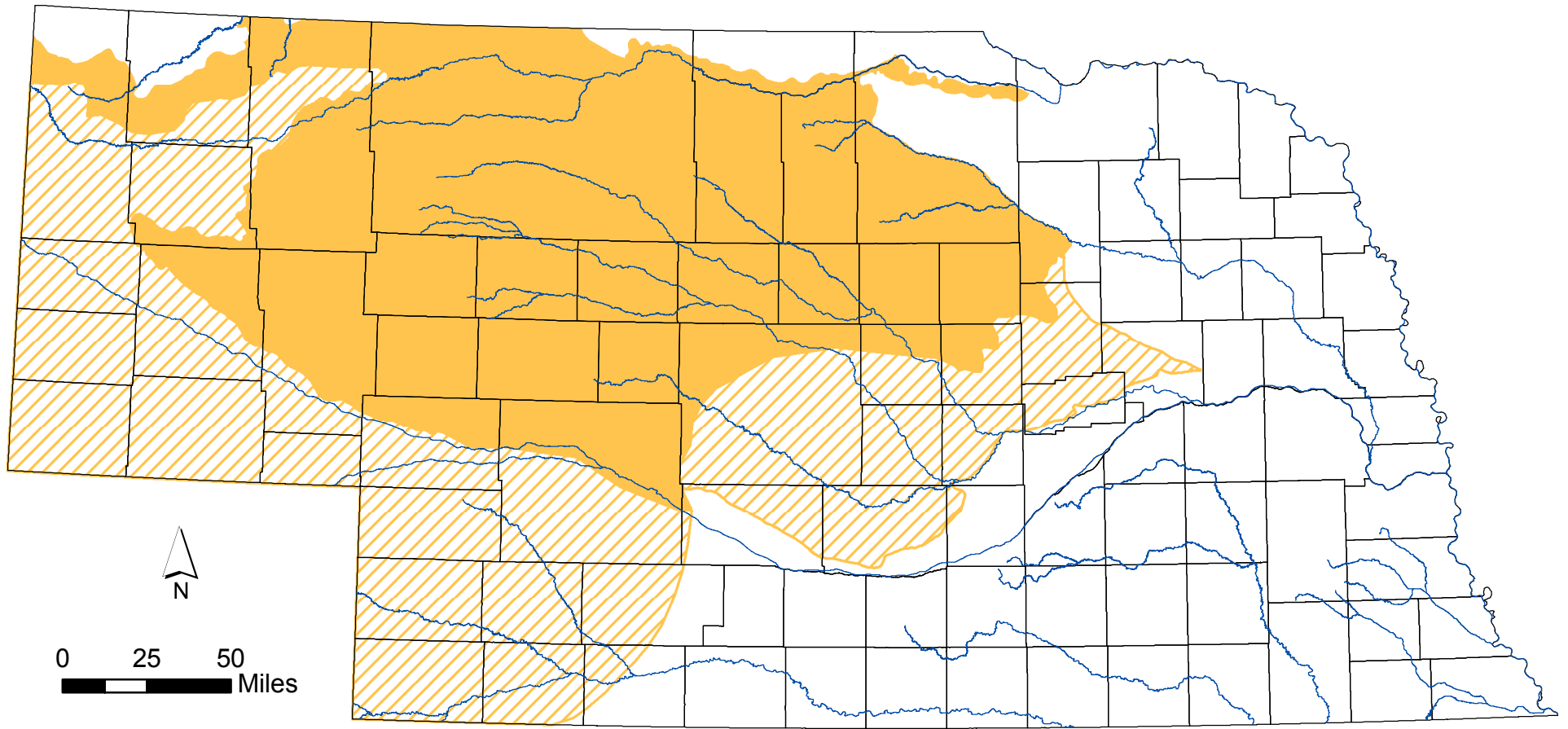
Presence

-  Known or Very Likely
-  Potential





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Range of Green Ash - Elm - Hackberry Canyon Bottom Woodland



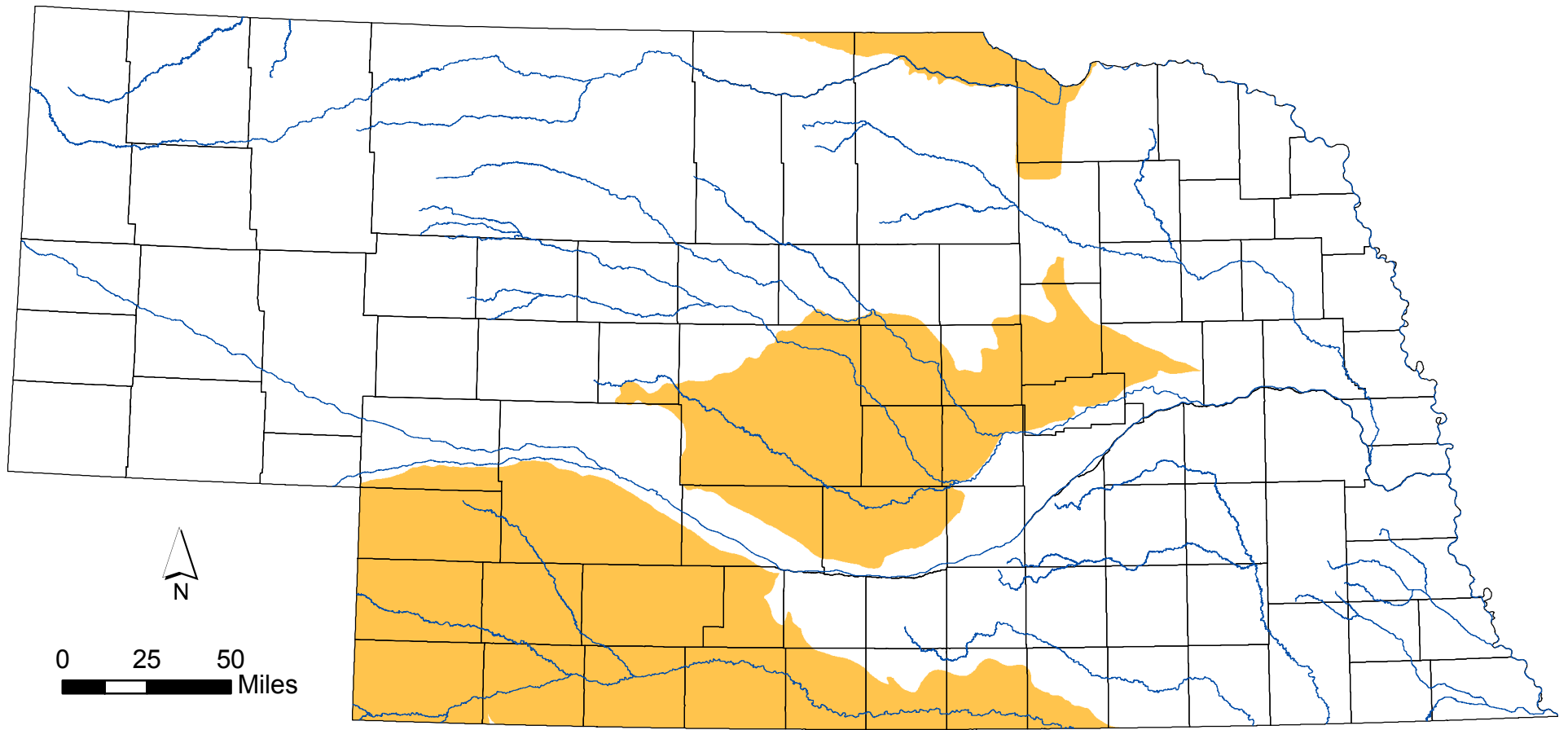
Presence

-  Known or Very Likely
-  Potential





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Range of Loess Mixed-Grass Prairie



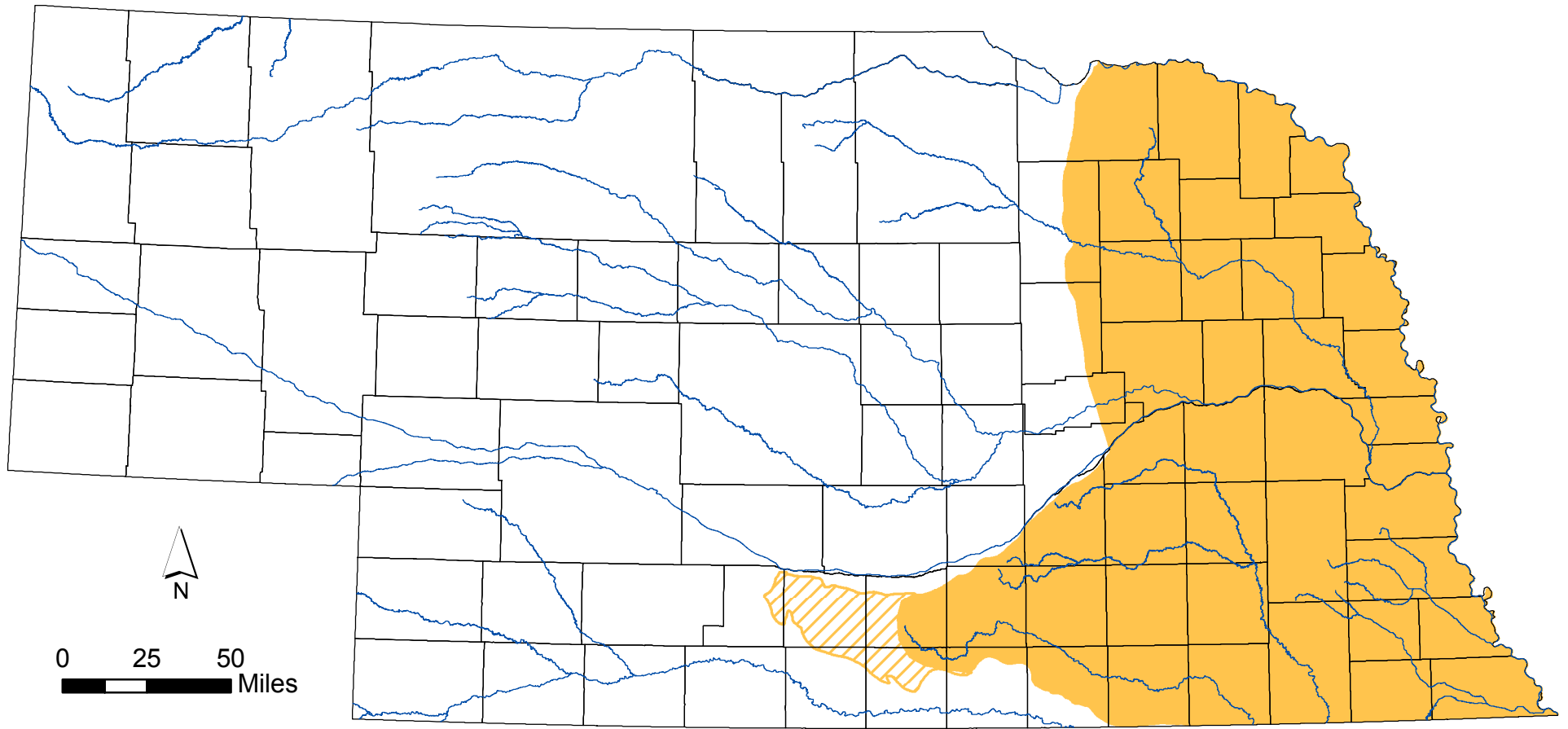
Presence

-  Known or Very Likely
-  Potential





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Range of Lowland Tall-Grass Prairie



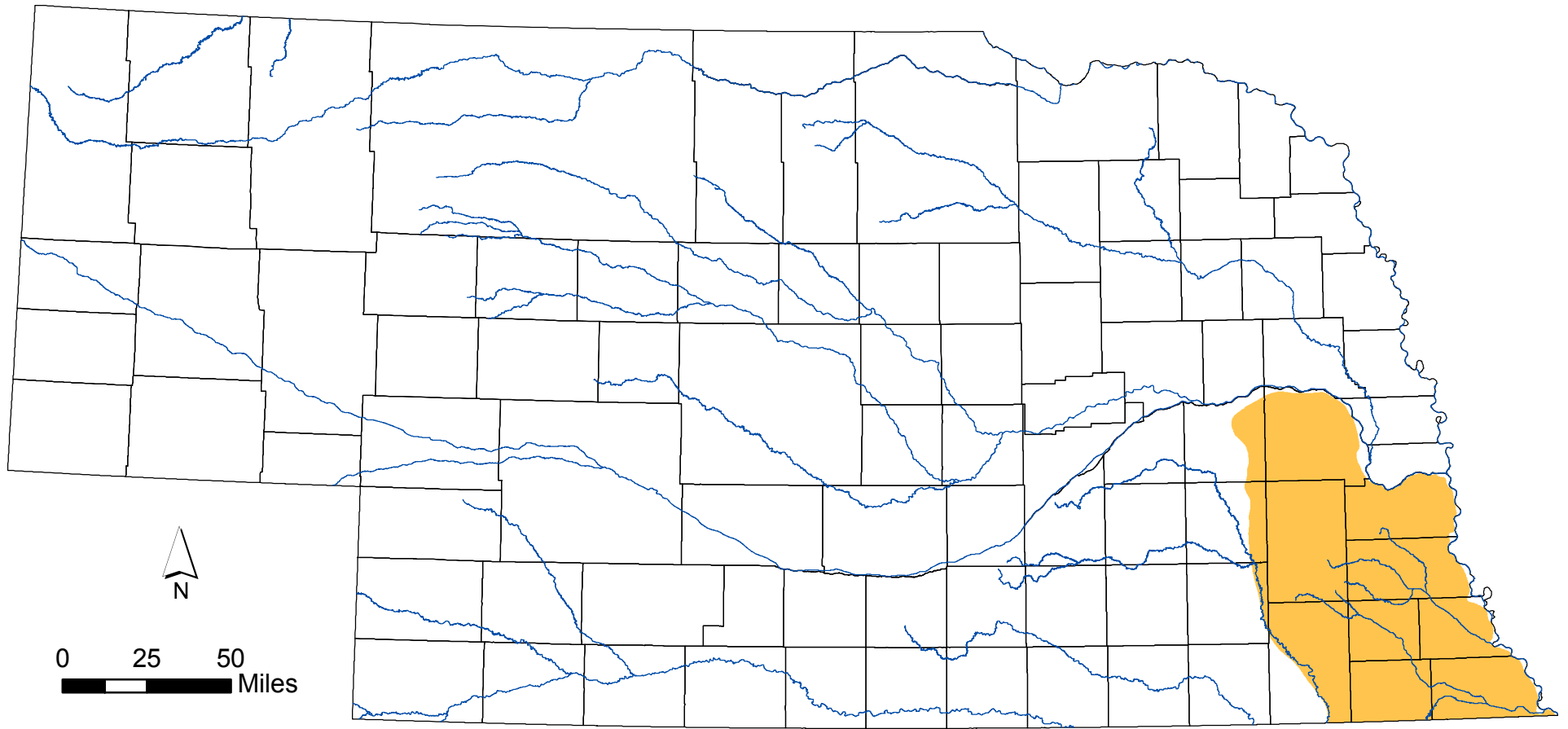
Presence

-  Known or Very Likely
-  Potential





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Range of Mesic Bur Oak Forest And Woodland



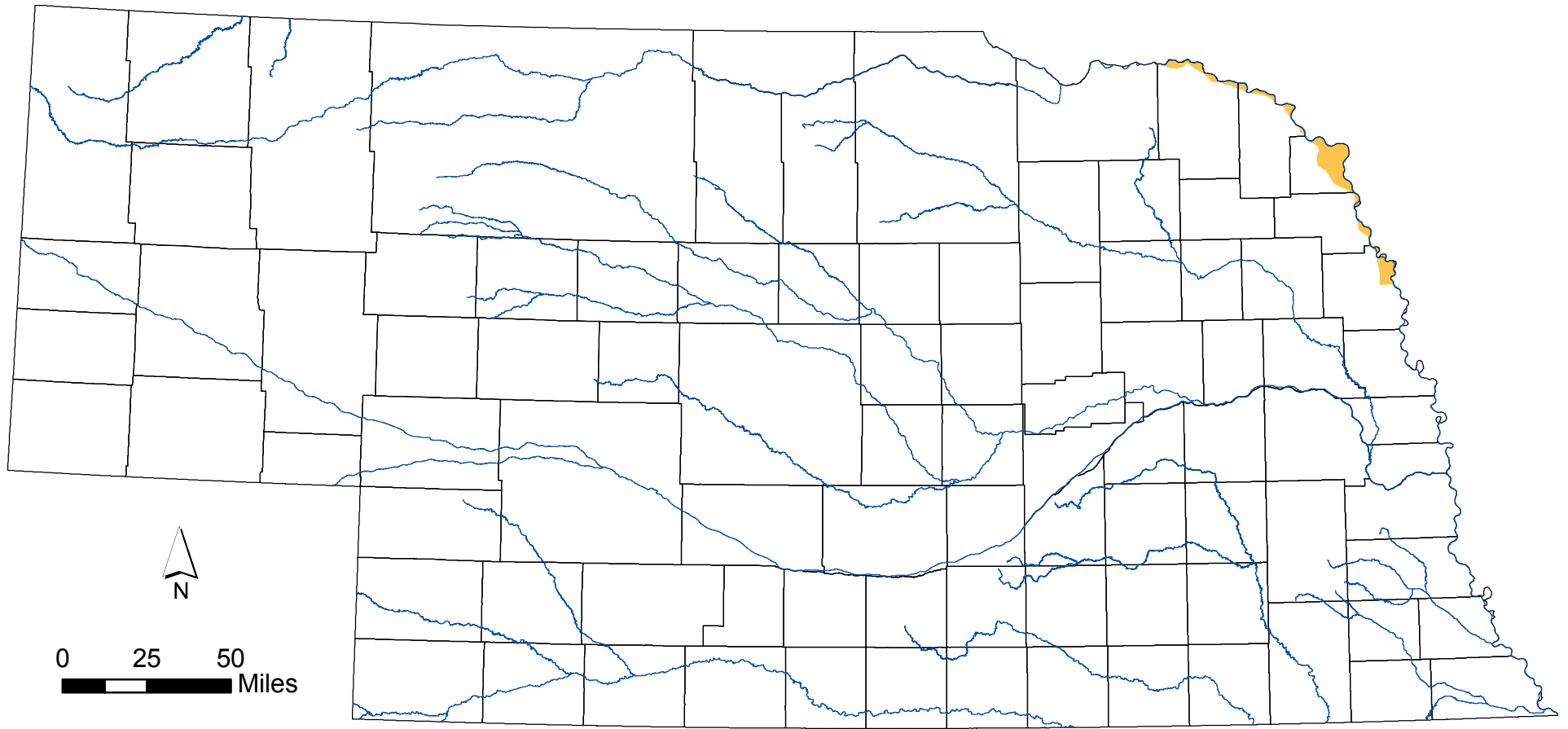
Presence

-  Known or Very Likely
-  Potential





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Range of Missouri River Floodplain Terrace Grassland



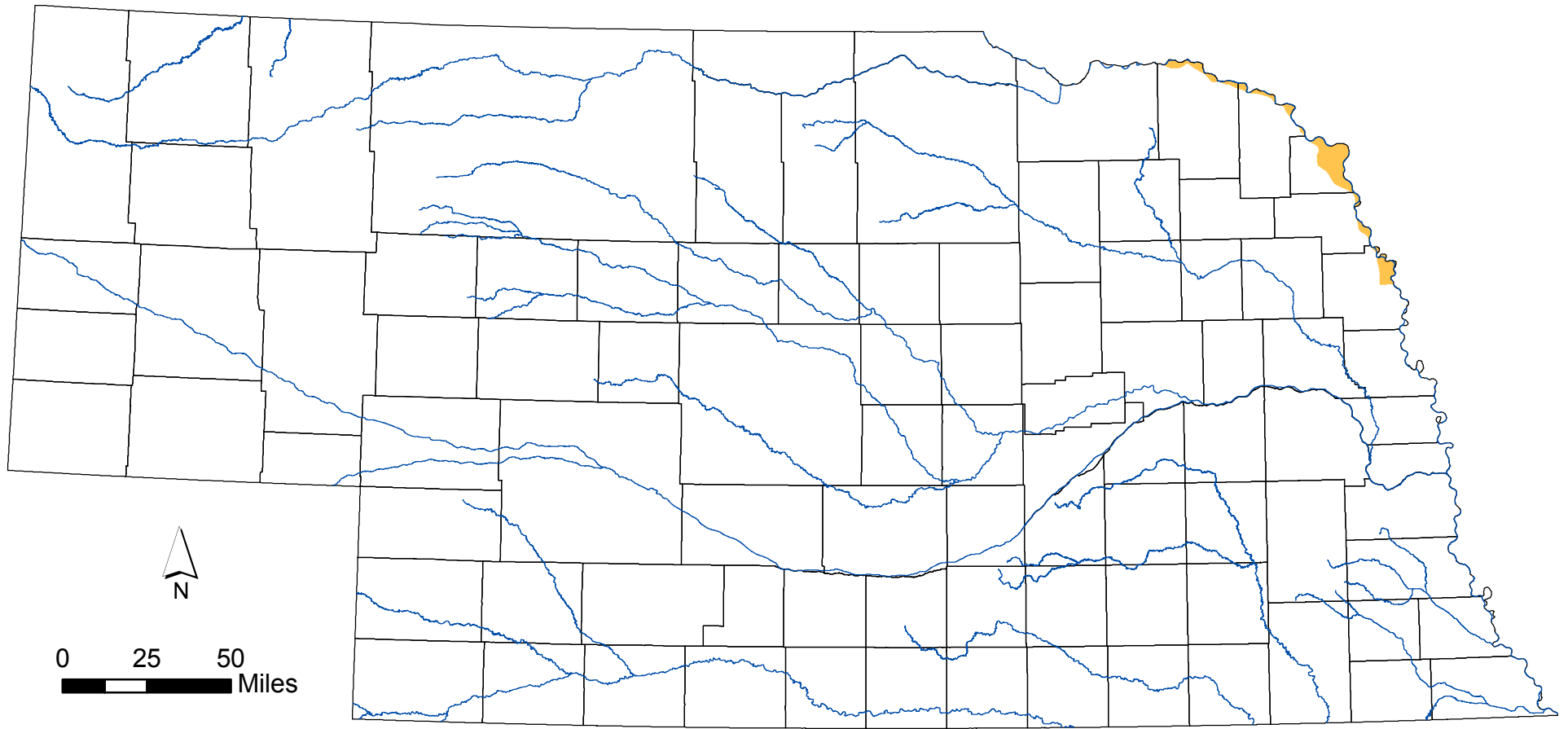
Presence

-  Known or Very Likely
-  Potential




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Range of Missouri River Valley Dune Grassland



Presence

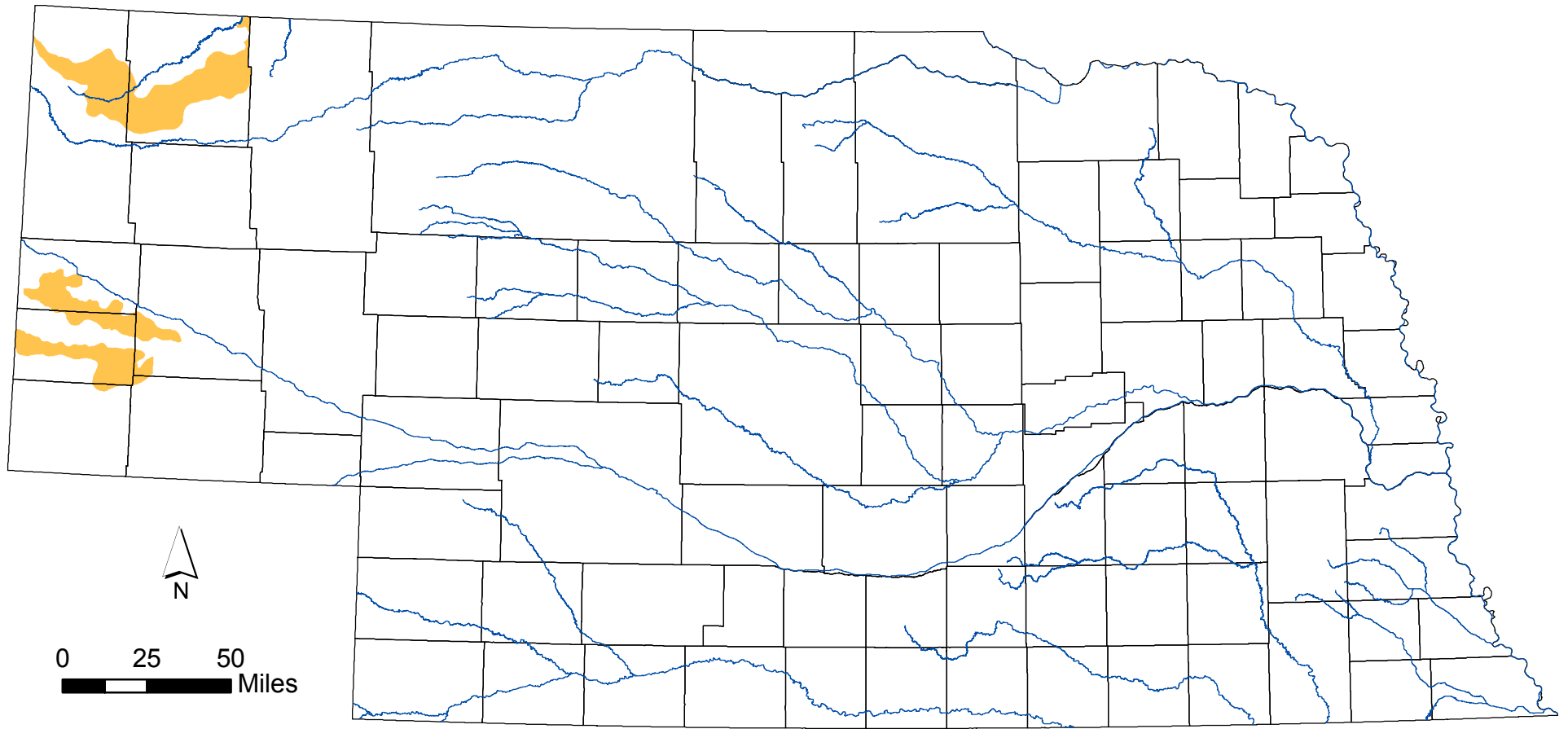
 Known or Very Likely

 Potential




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Range of Mountain Mahogany Shrubland



Presence

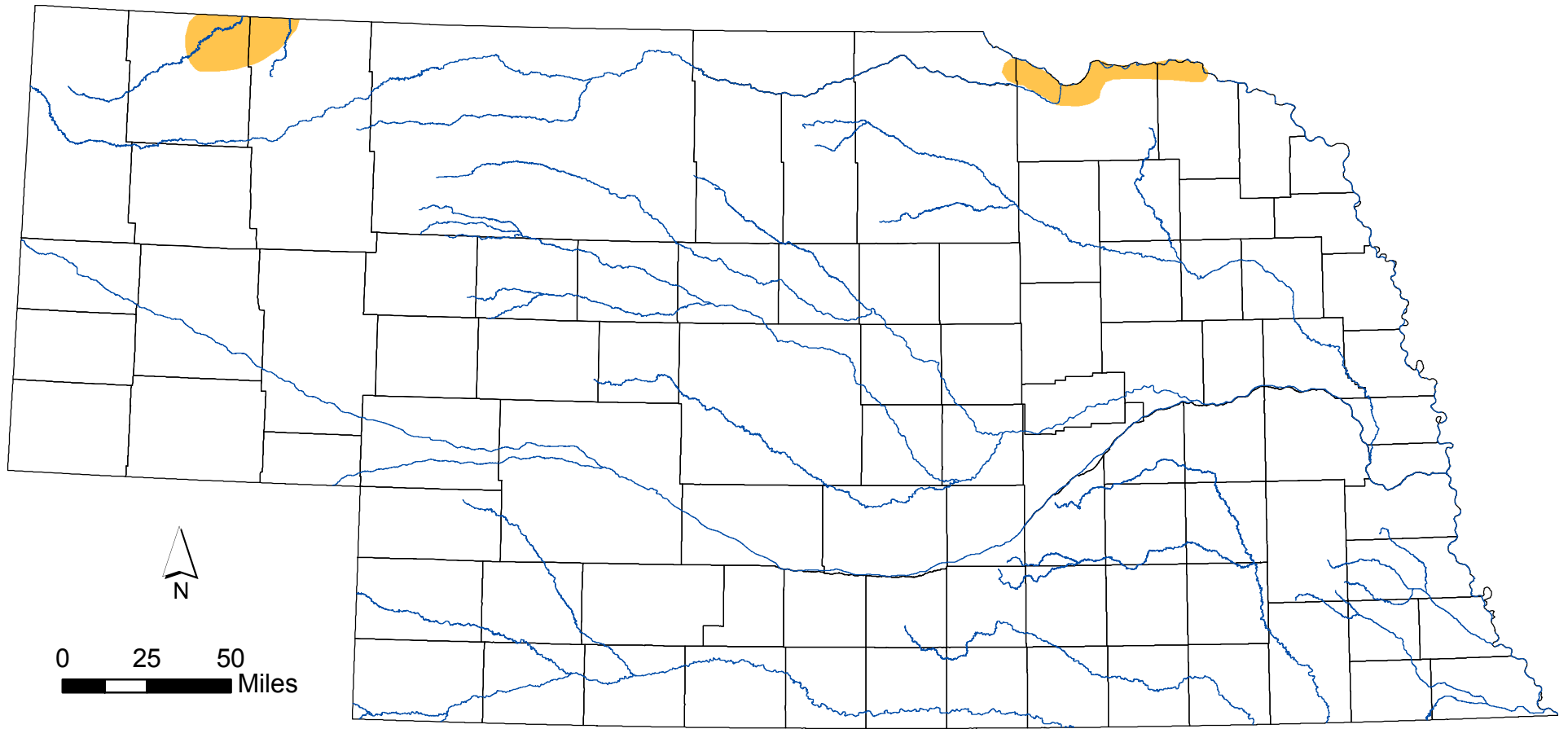
 Known or Very Likely

 Potential




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Range of Northern Chalk Bluff And Cliff



Presence

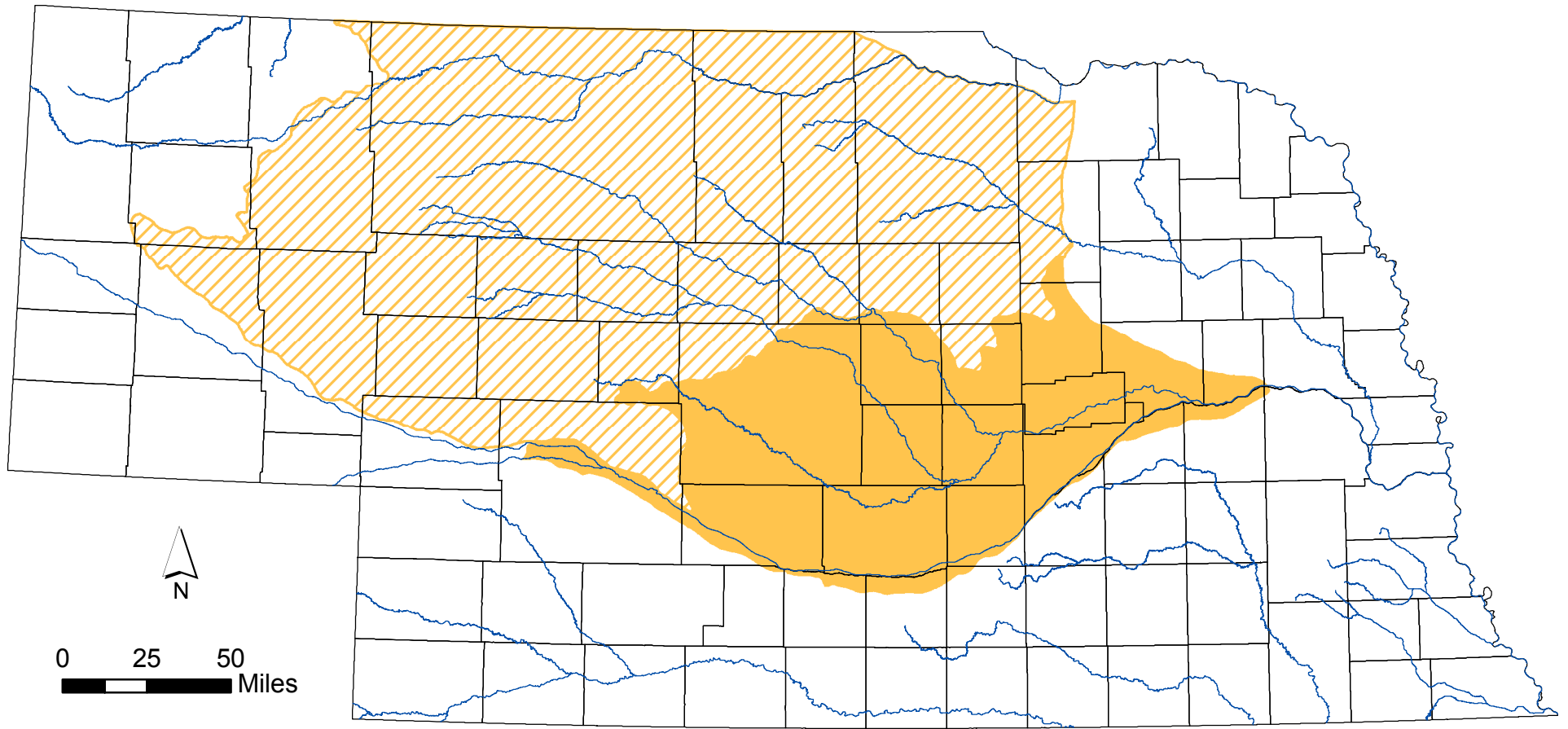
 Known or Very Likely

 Potential





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Range of Northern Cordgrass Wet Prairie



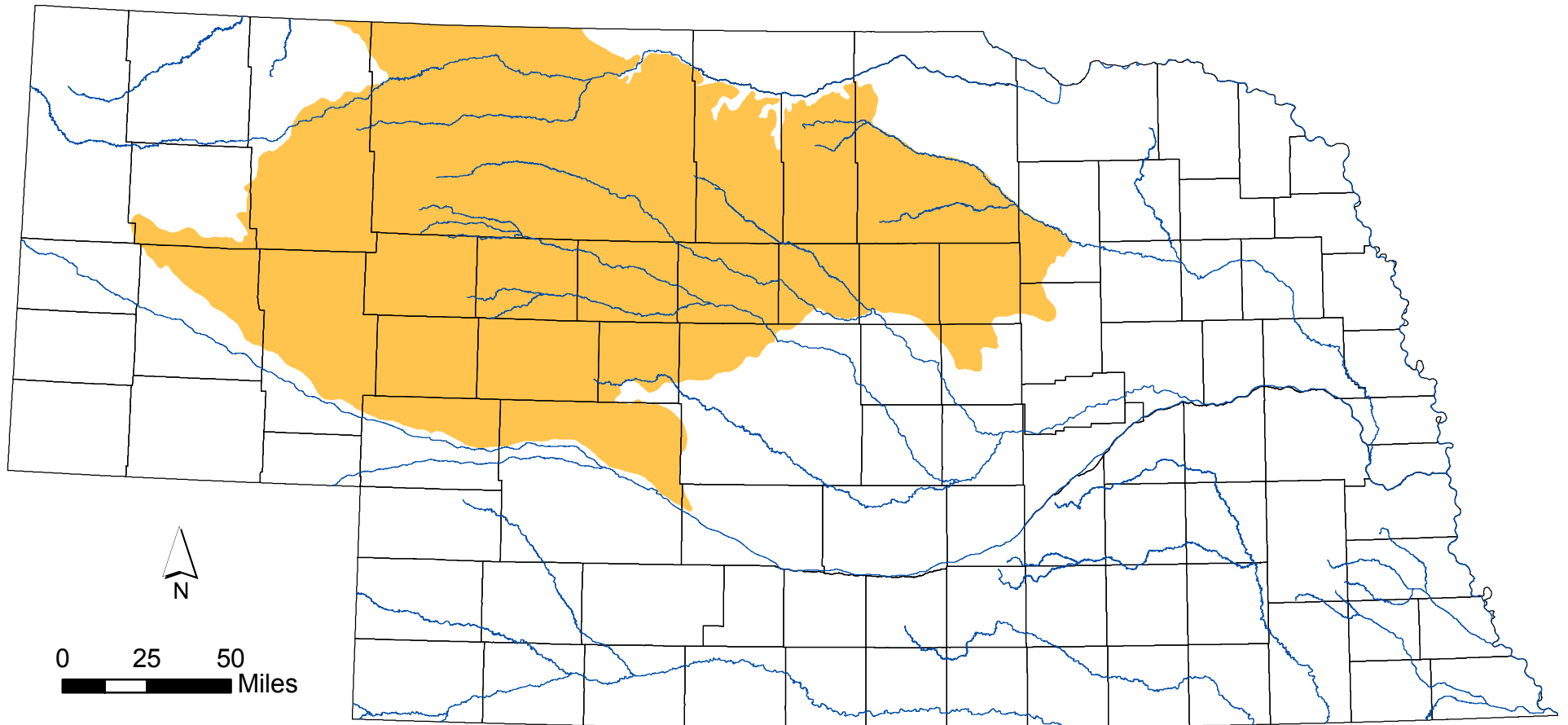
Presence

-  Known or Very Likely
-  Potential




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Range of Northern Pondweed Aquatic Wetland



Presence

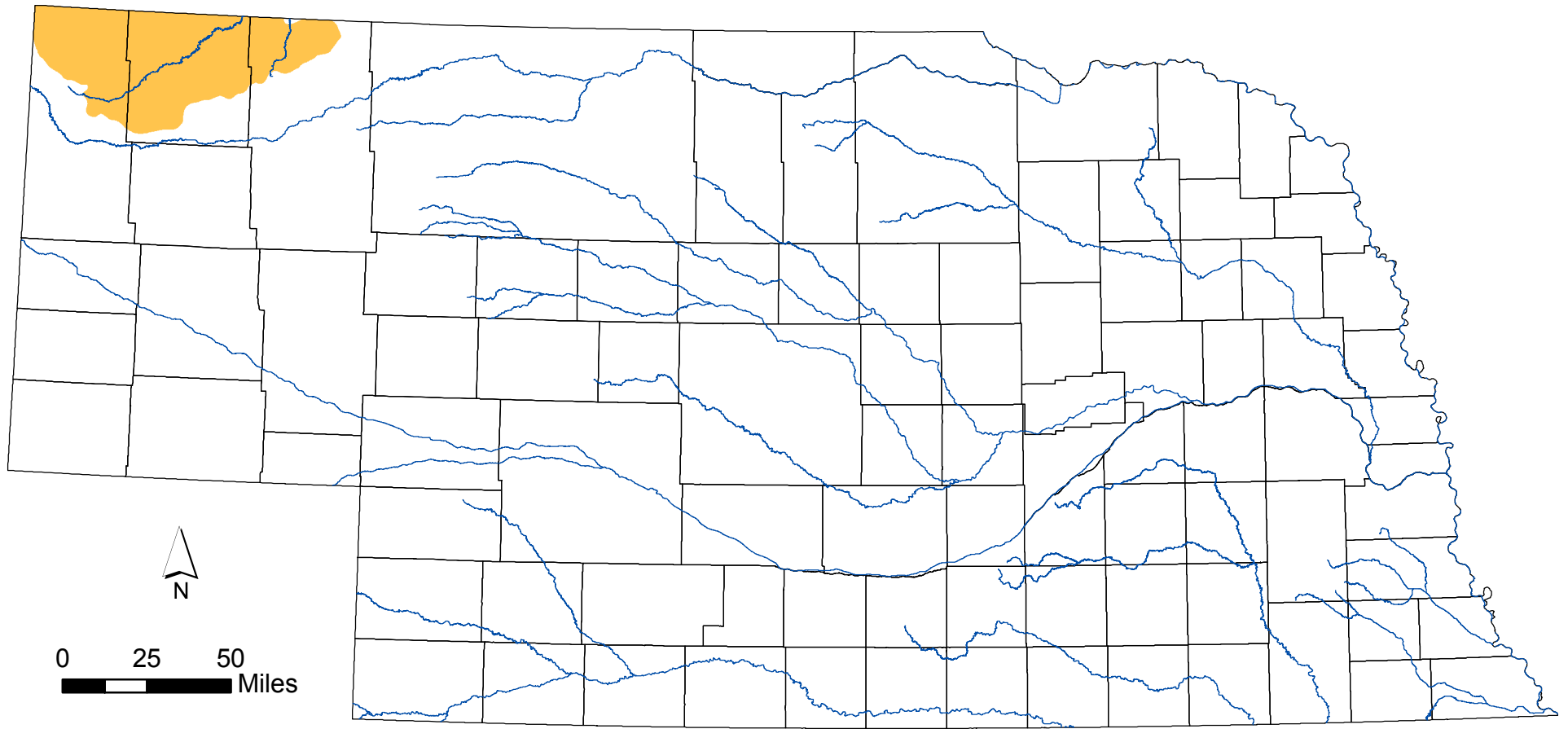
 Known or Very Likely

 Potential




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Range of Northwestern Mixed-Grass Prairie



Presence

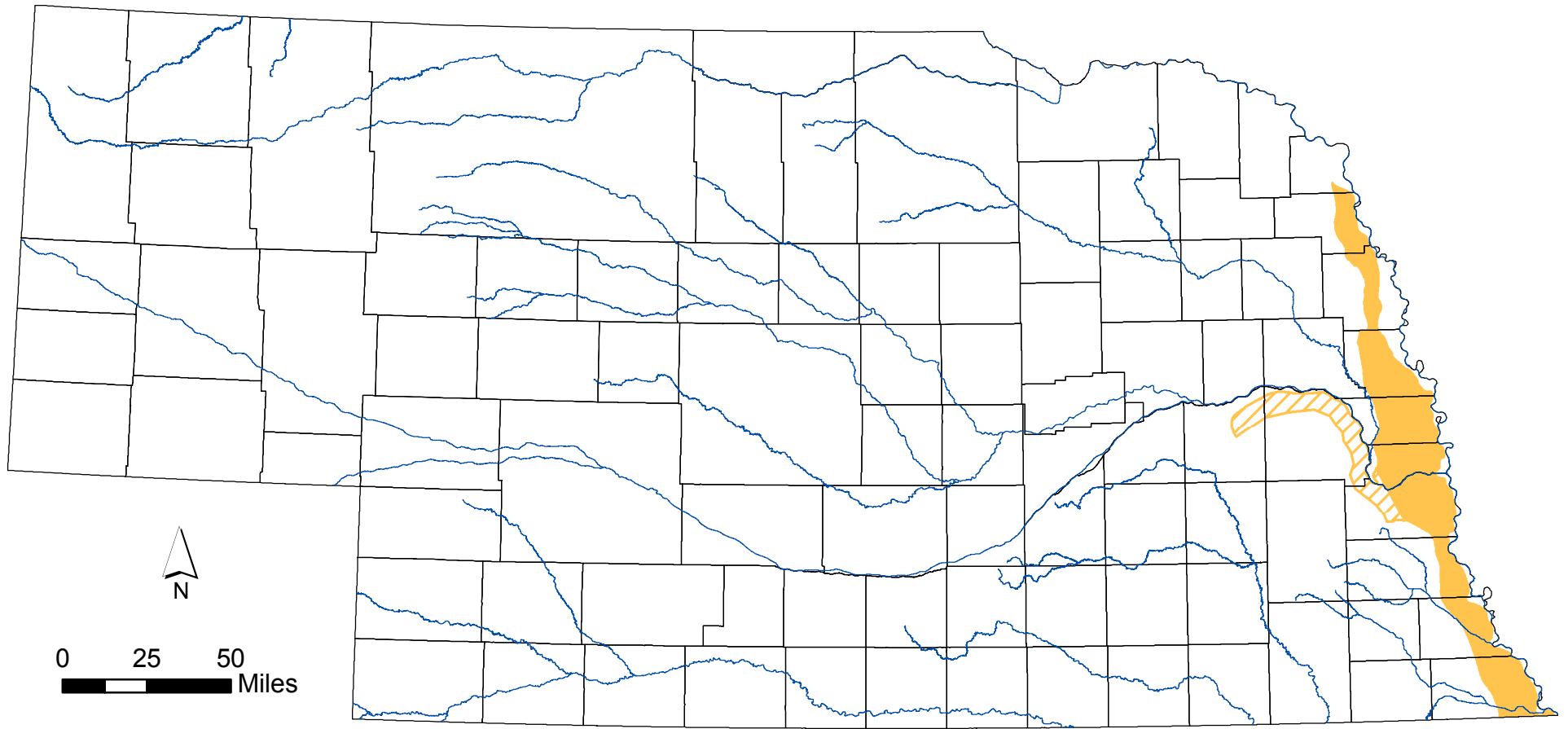
 Known or Very Likely

 Potential





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Range of Oak - Hickory - Ironwood Forest



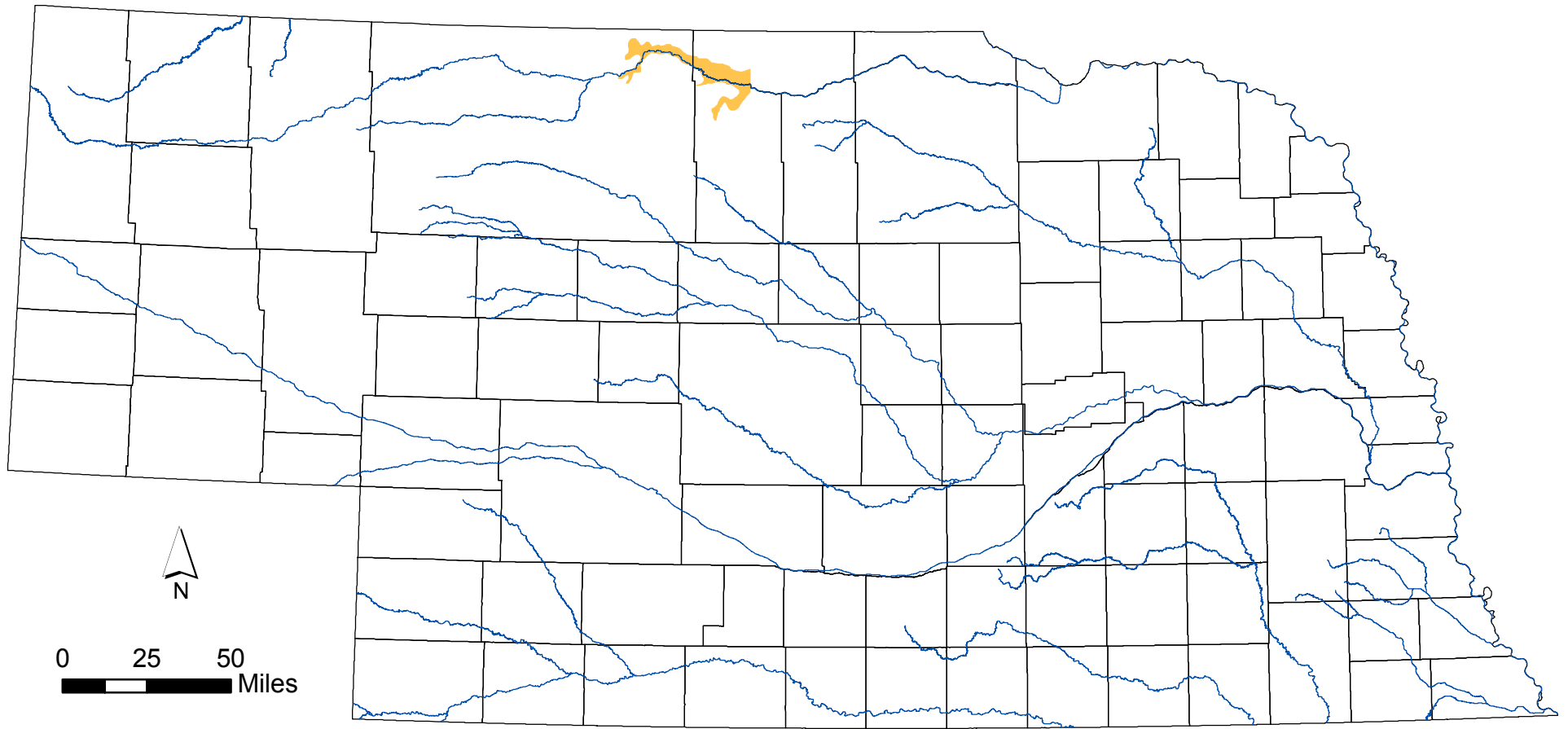
Presence

-  Known or Very Likely
-  Potential




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Range of Paper Birch Springbranch Canyon Forest



Presence

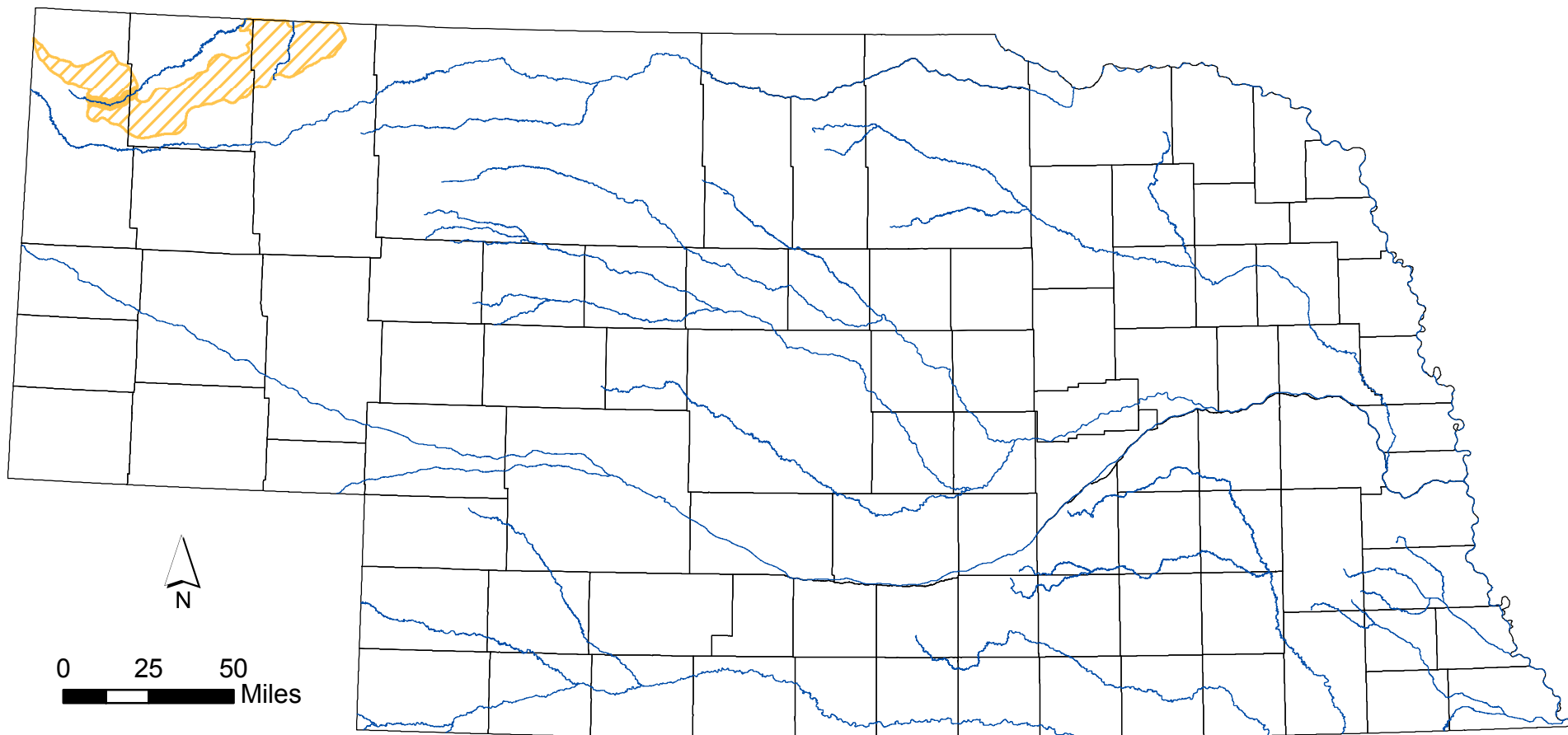
 Known or Very Likely

 Potential





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Range of Peachleaf Willow Woodland



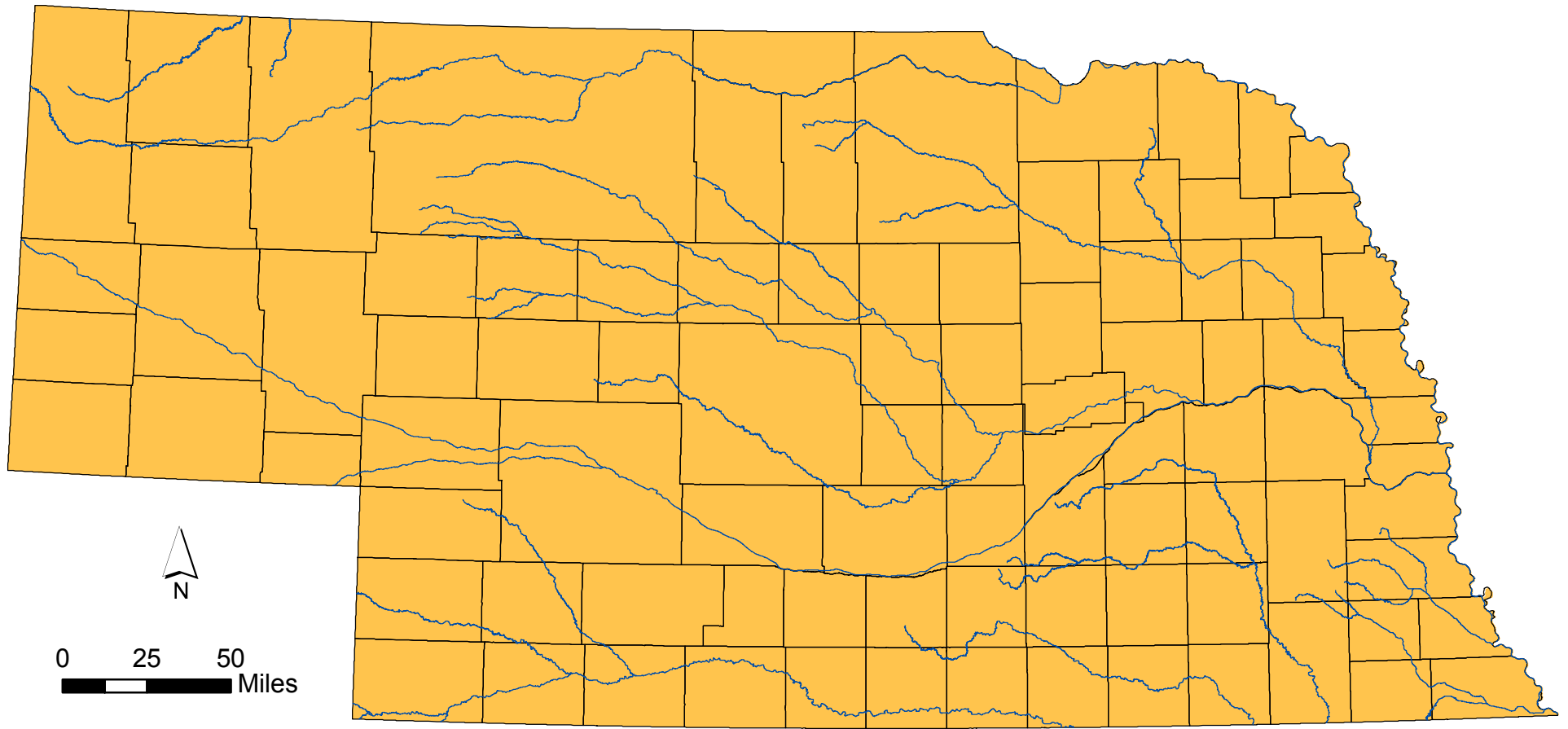
Presence

-  Known or Very Likely
-  Potential





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Range of Perennial Sandbar



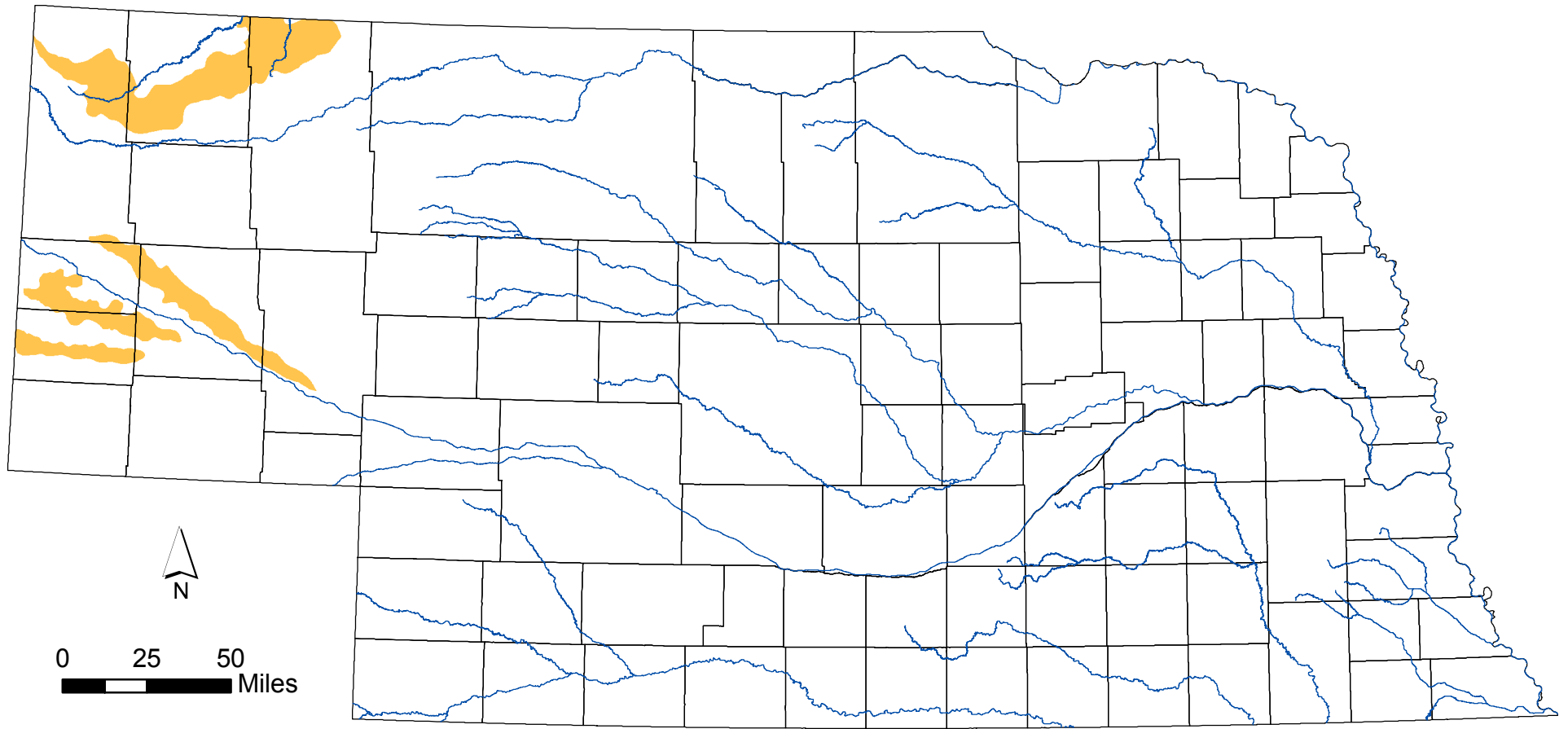
Presence

-  Known or Very Likely
-  Potential





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Range of Pine-Juniper Scarp Woodland



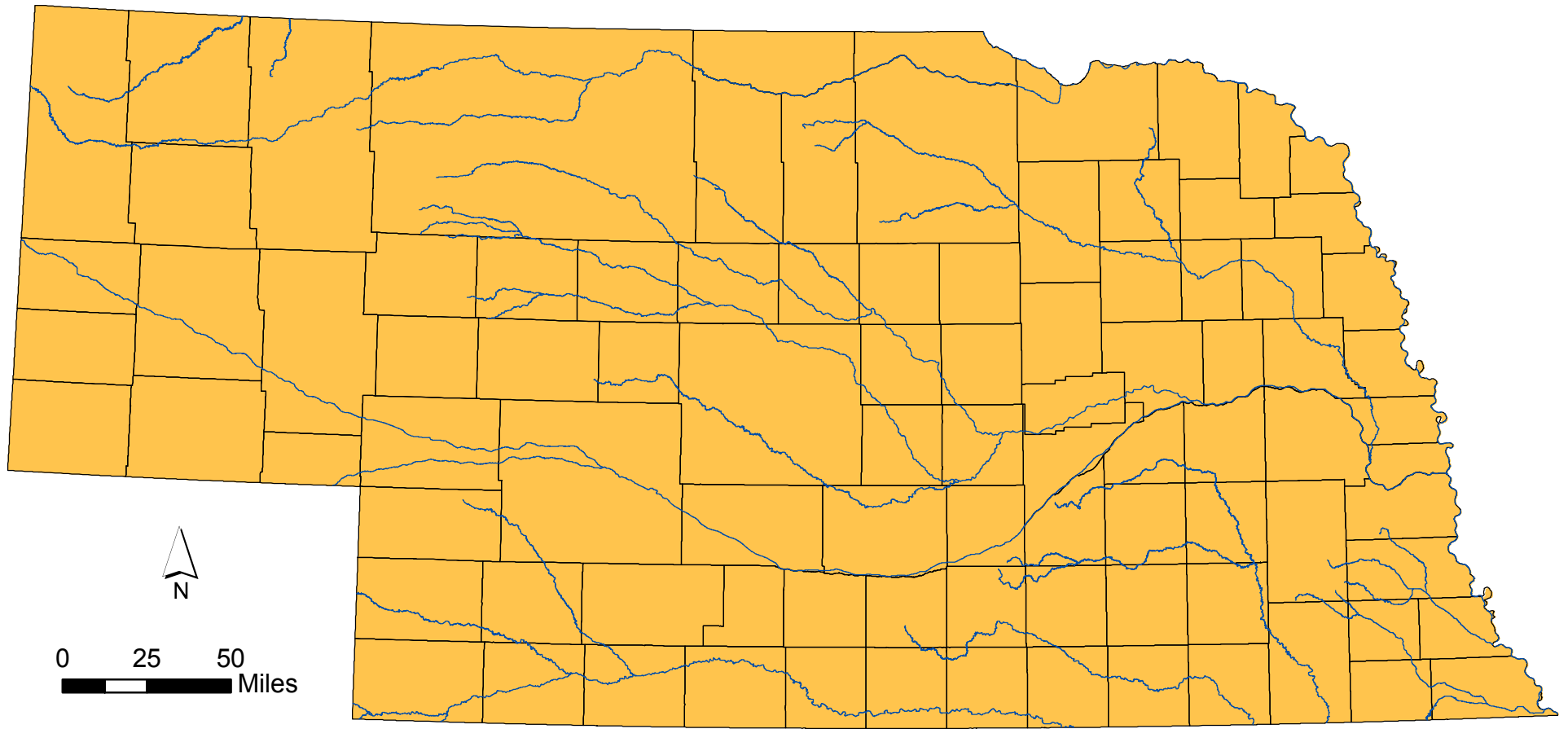
Presence

-  Known or Very Likely
-  Potential





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Range of Playa Wetland



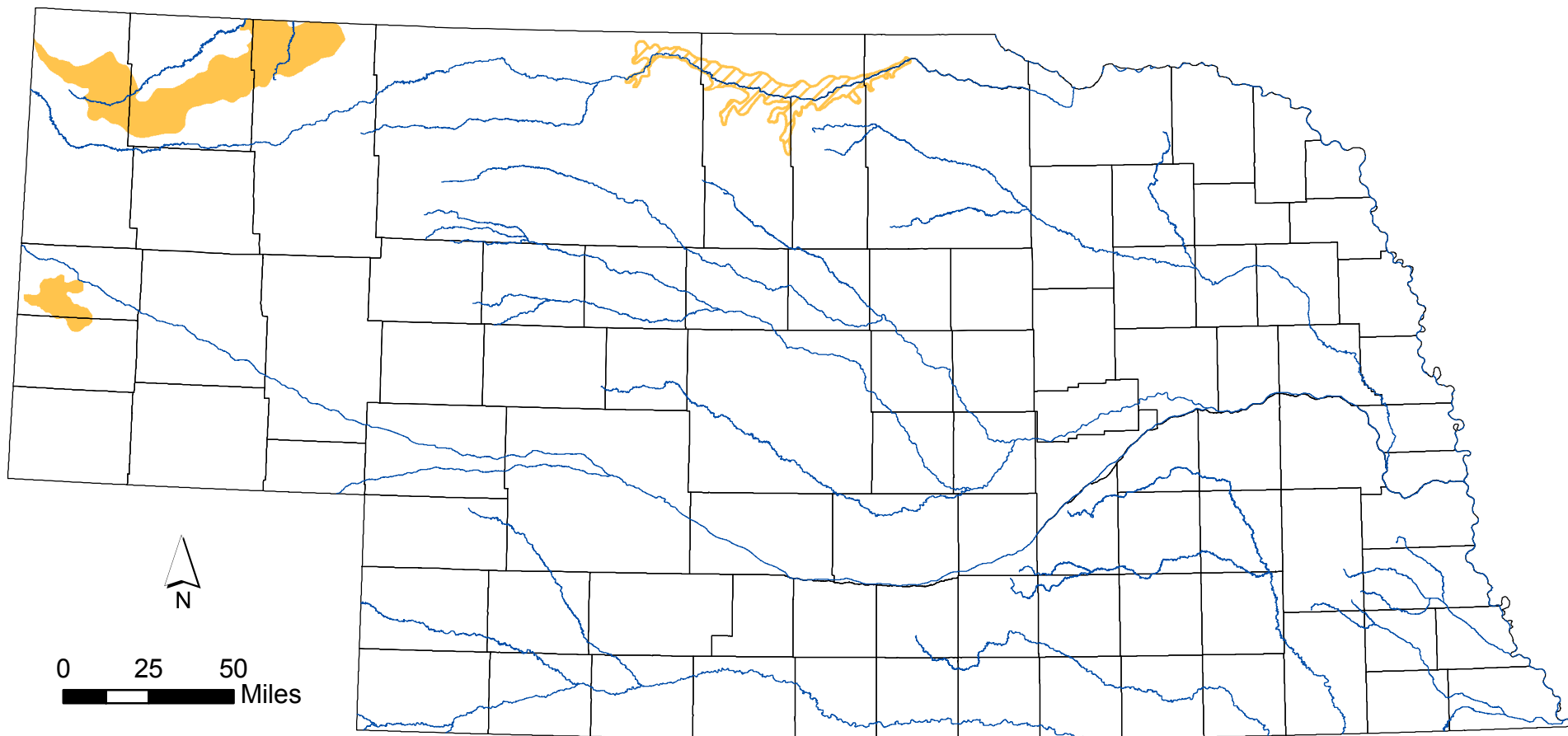
Presence

-  Known or Very Likely
-  Potential




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Range of Ponderosa Pine Forest



Presence

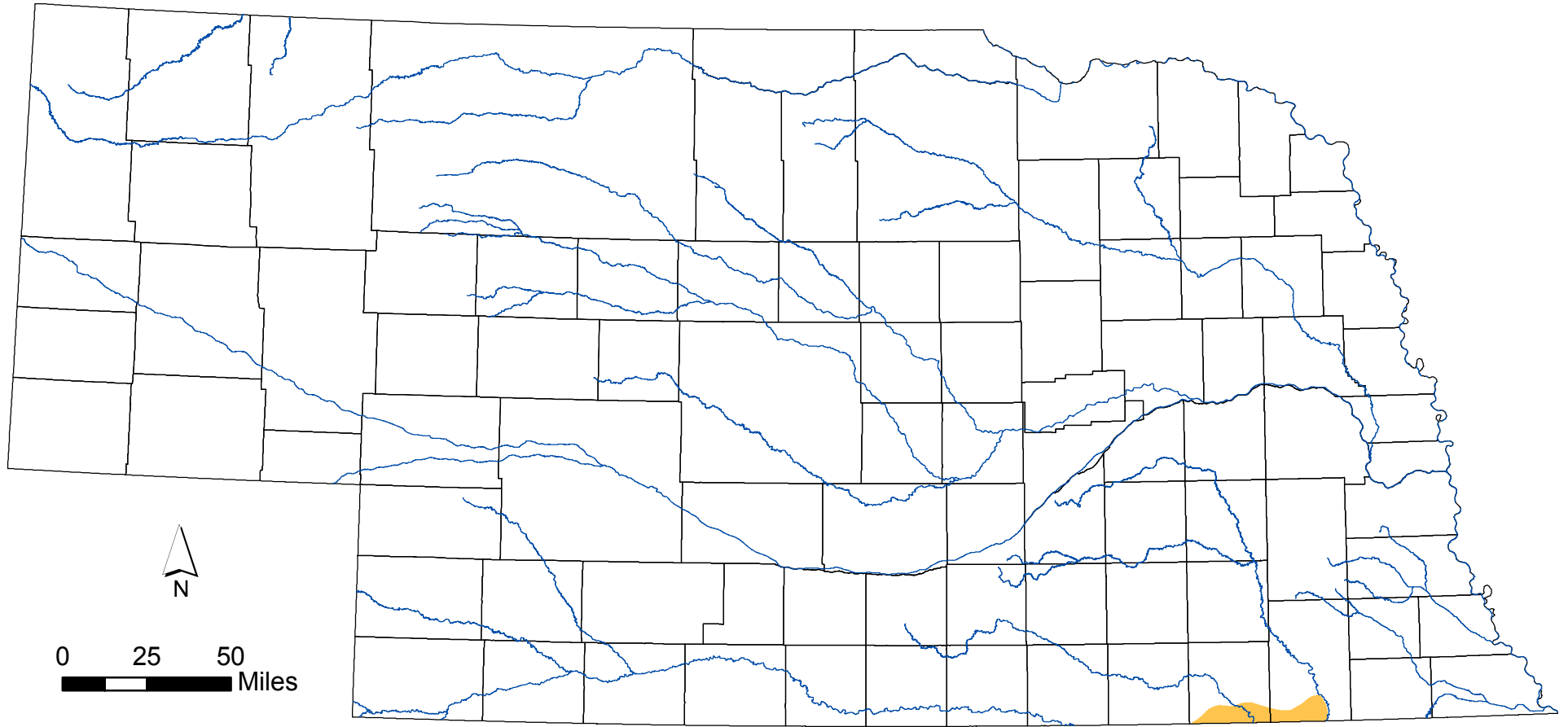
 Known or Very Likely

 Potential





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Range of Prairie Fen



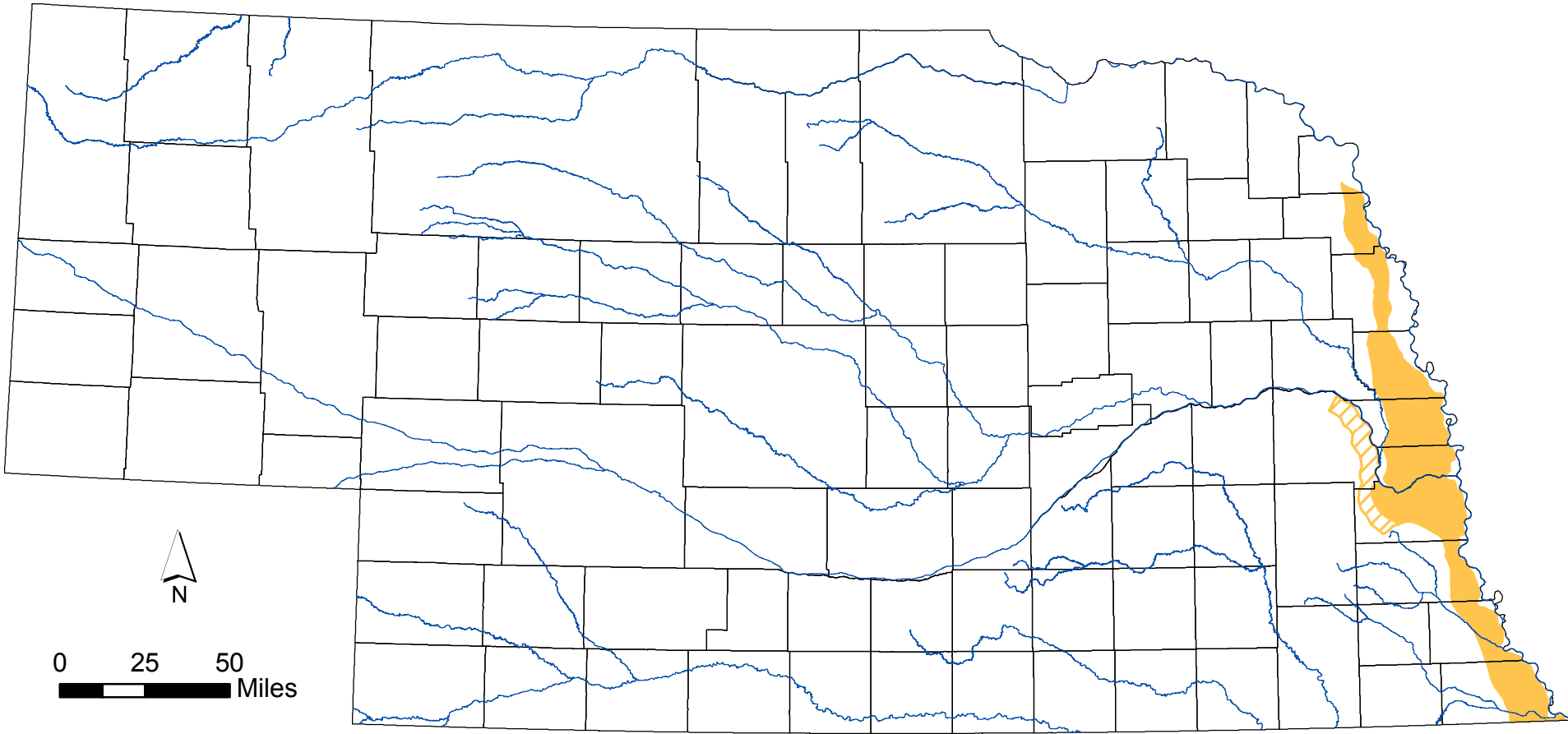
Presence

-  Known or Very Likely
-  Potential



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Range of Red Oak - Basswood - Ironwood Forest

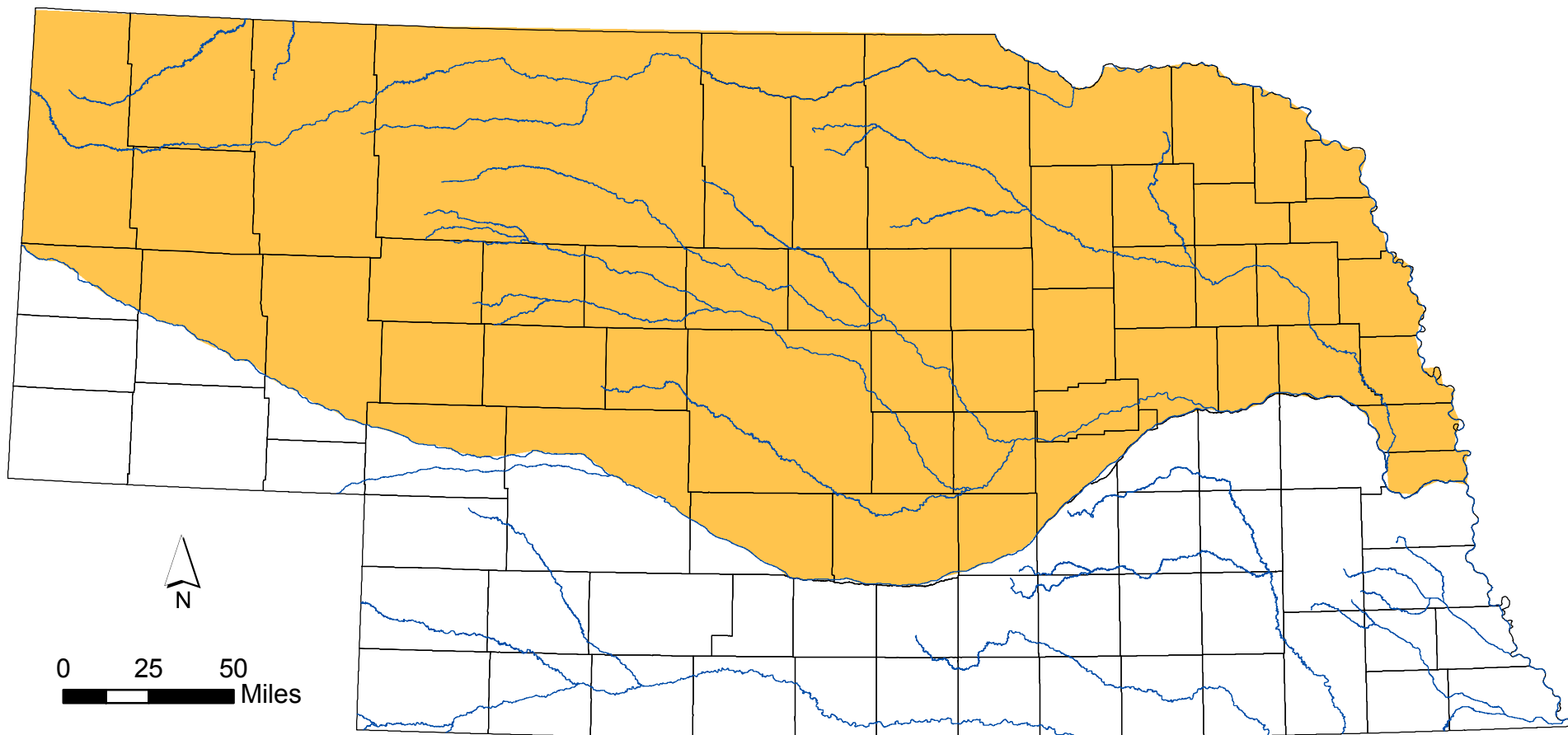


Presence
Known or Very Likely
Potential




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Range of Reed Marsh



Presence

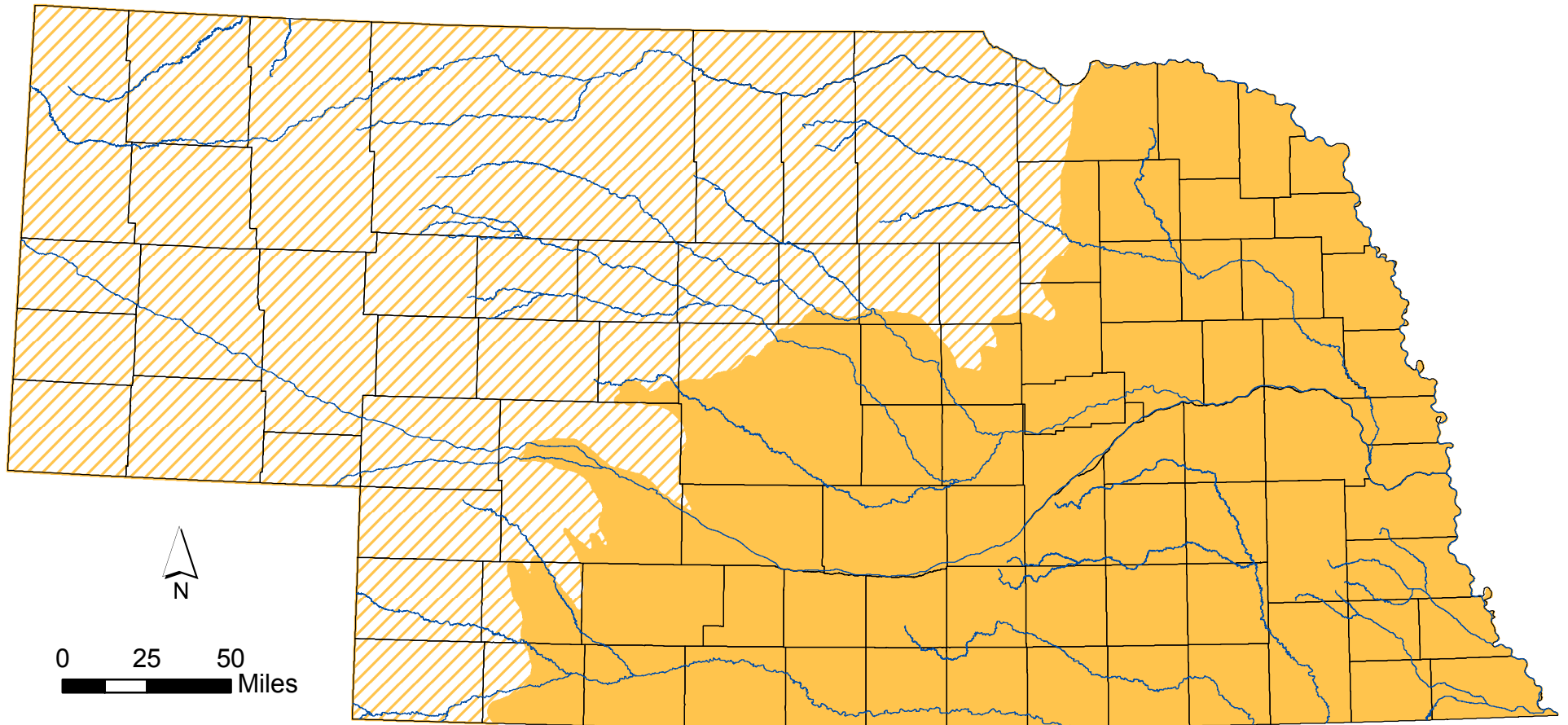
 Known or Very Likely



 Potential



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Range of Riparian Dogwood-False Indigobush Shrubland

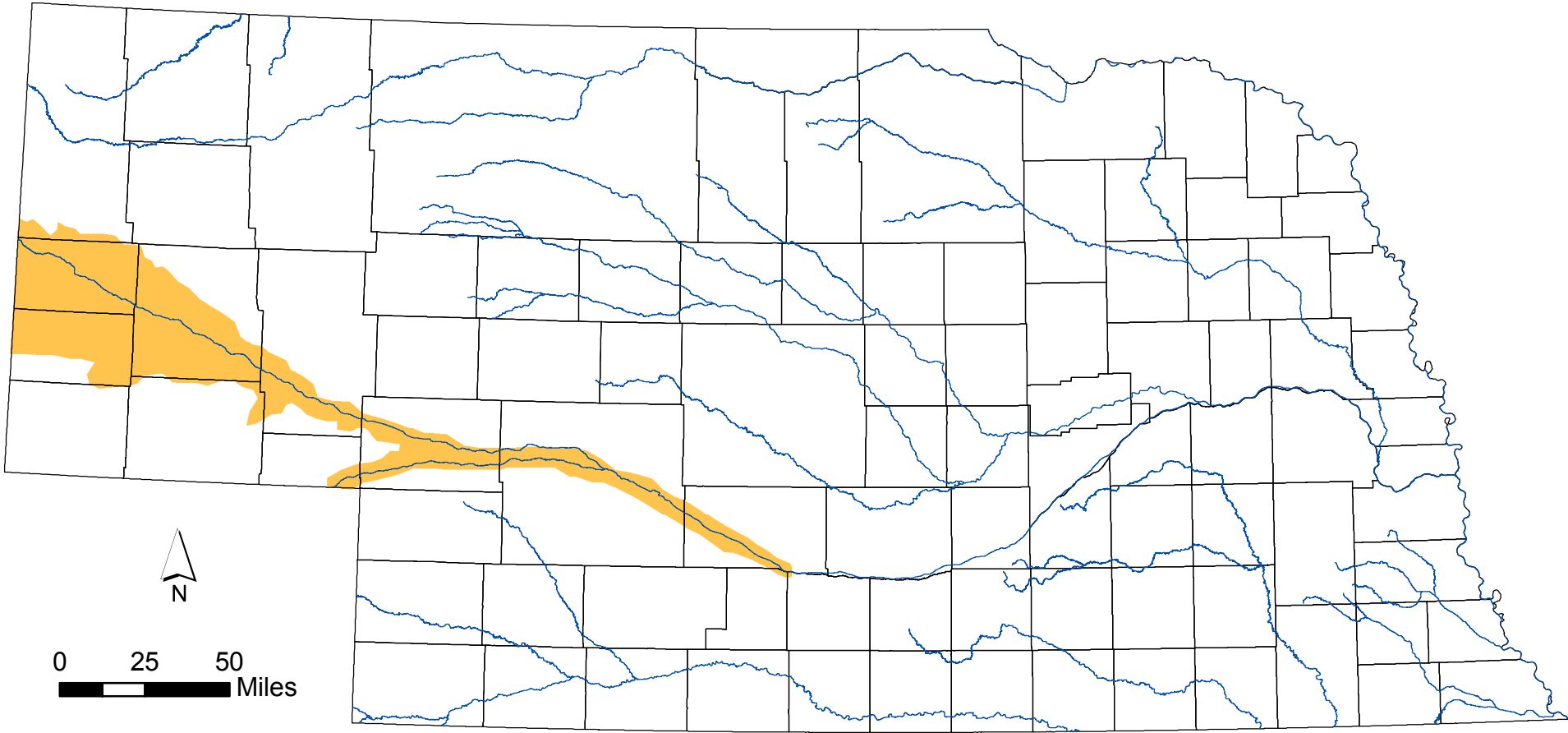


- Presence
-  Known or Very Likely
 -  Potential



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Range of Riverine Gravel Flats

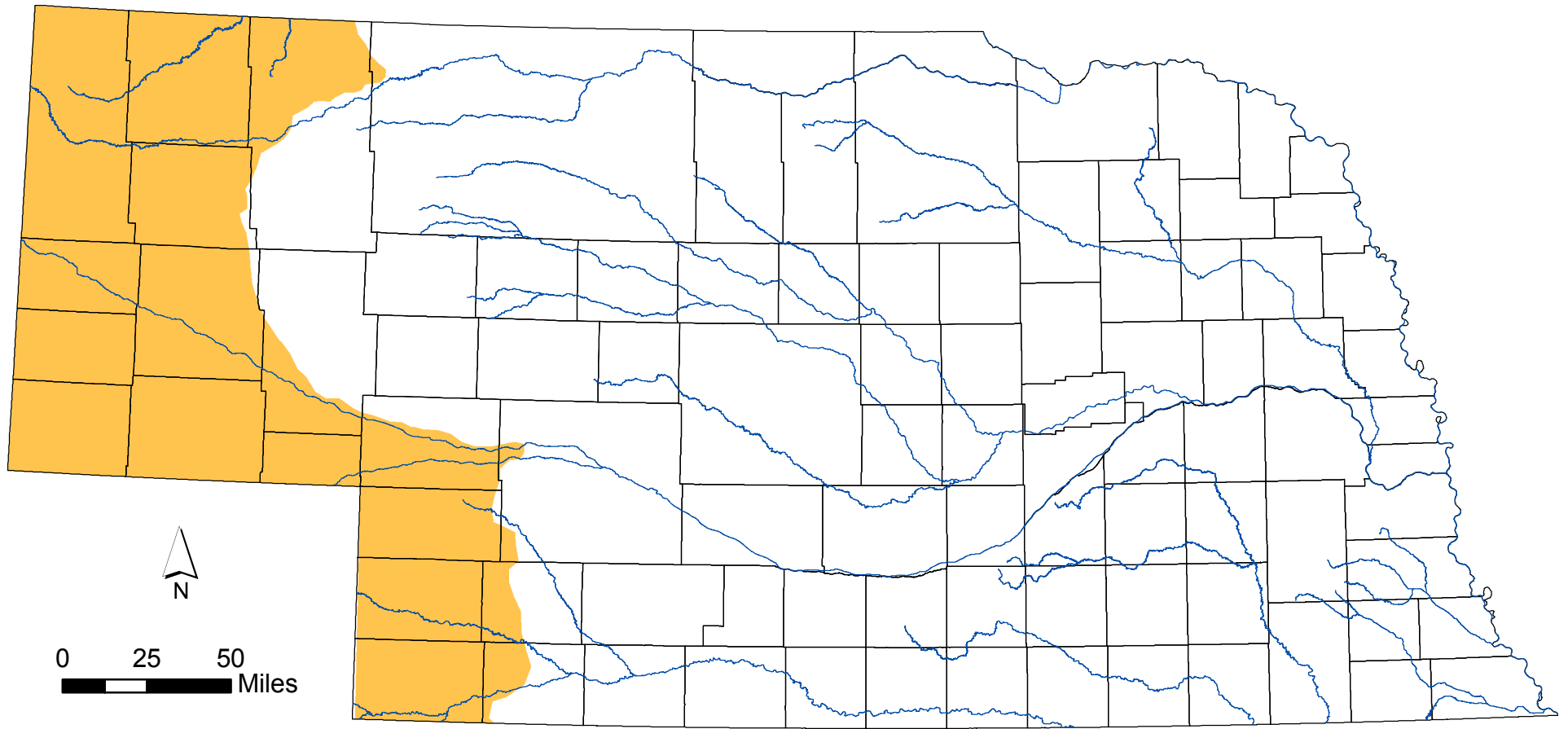


Presence
Known or Very Likely
Potential





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Range of Rock Outcrop



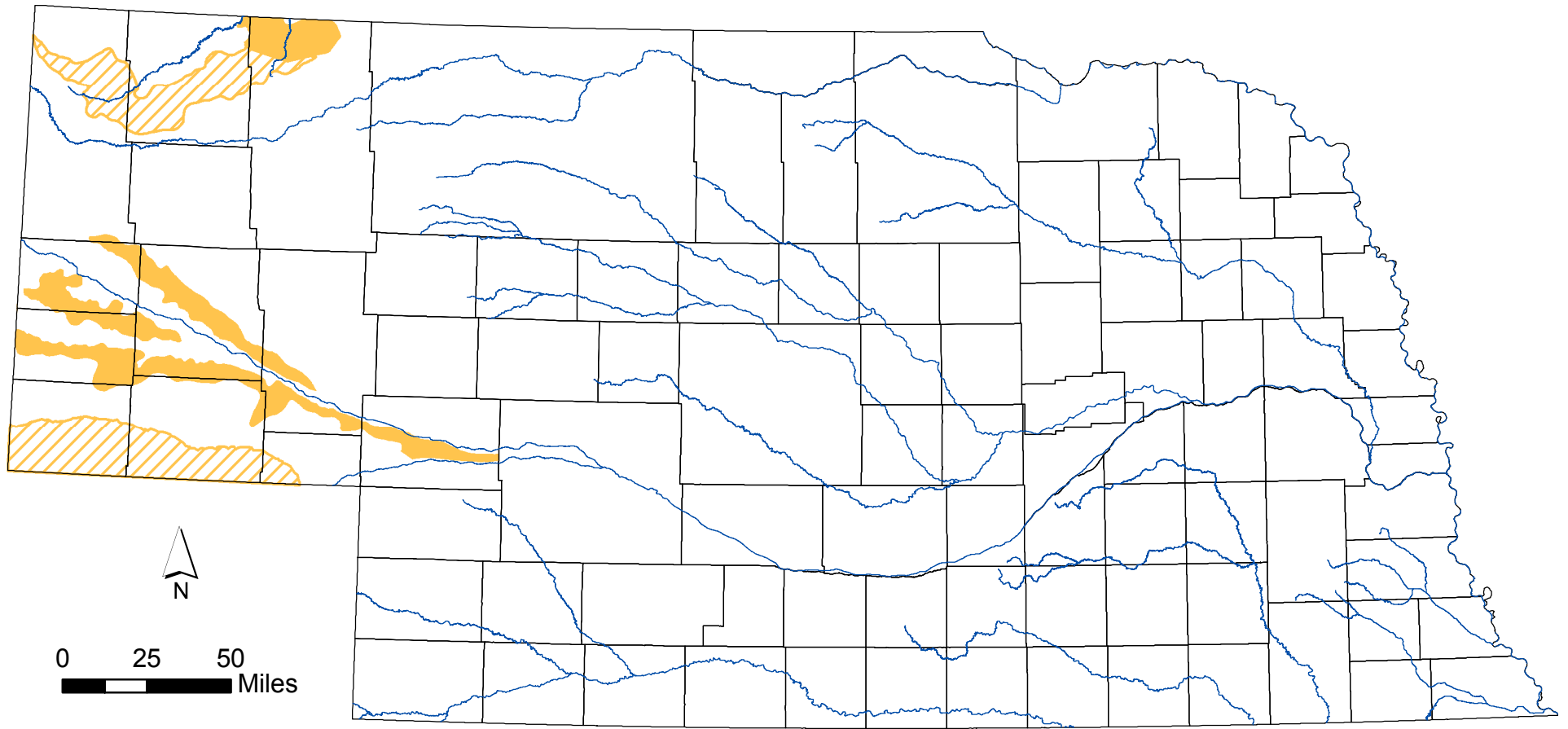
Presence

-  Known or Very Likely
-  Potential





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Range of Rocky Mountain Juniper Woodland



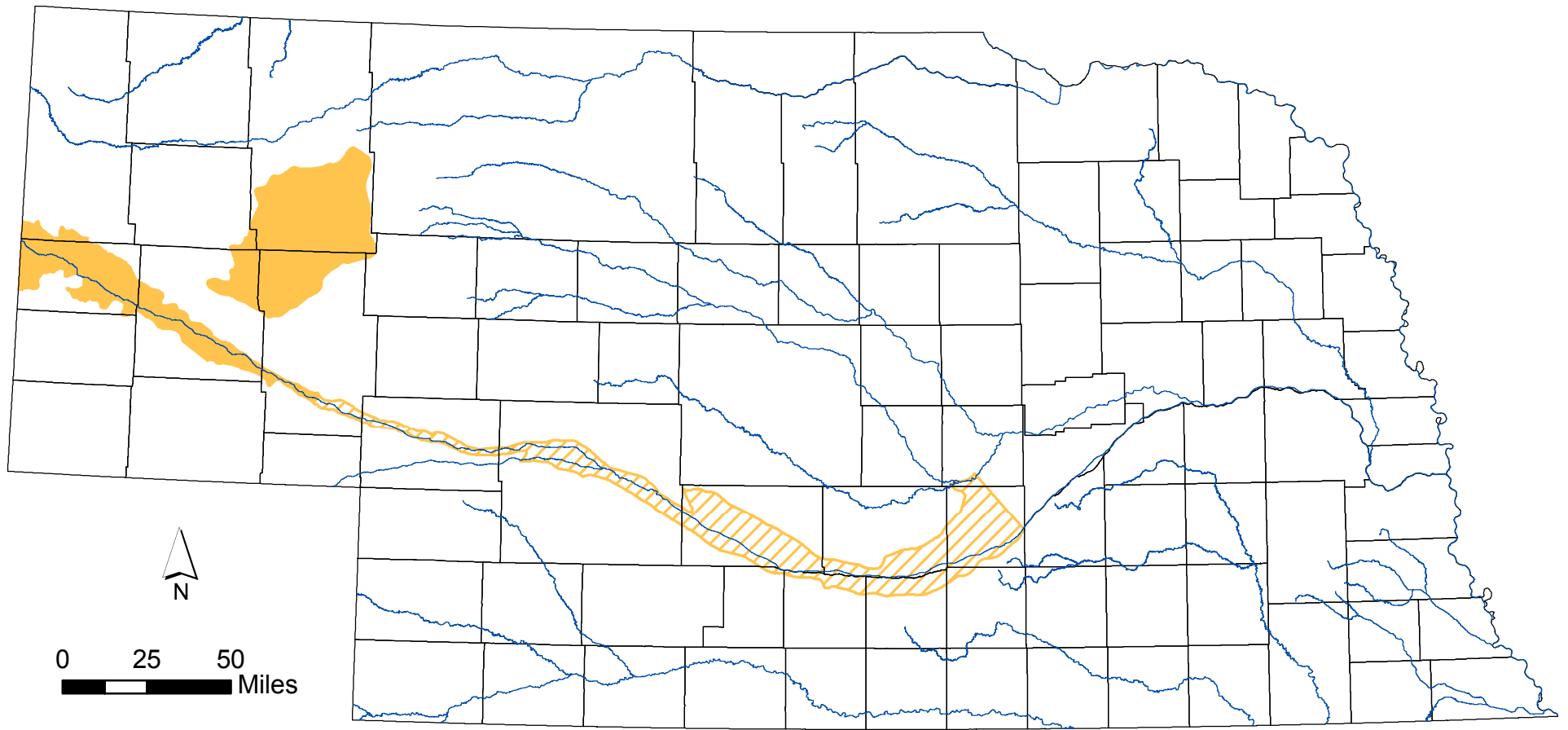
Presence

-  Known or Very Likely
-  Potential





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Range of Saline/Alkaline Aquatic Wetland



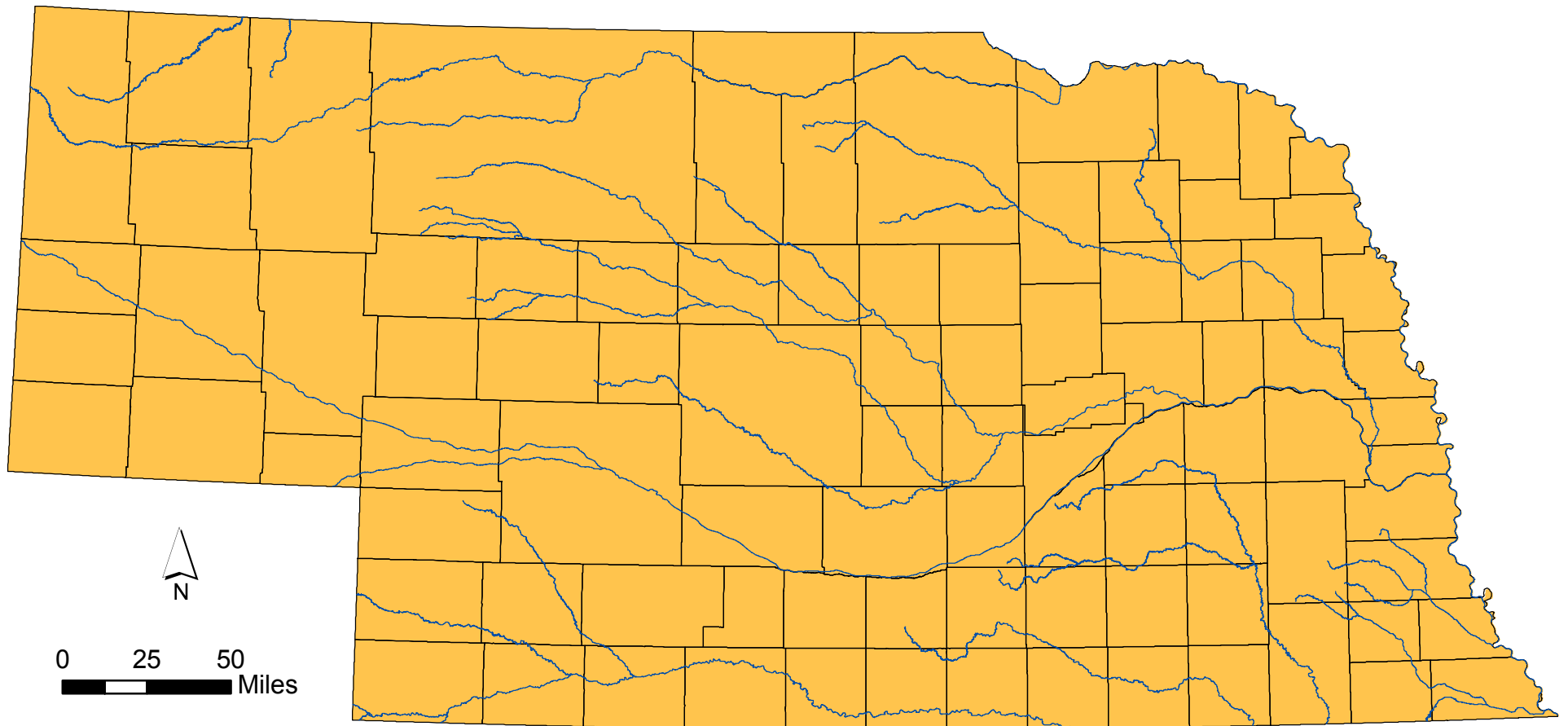
Presence

-  Known or Very Likely
-  Potential





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Range of Sandbar Willow Shrubland



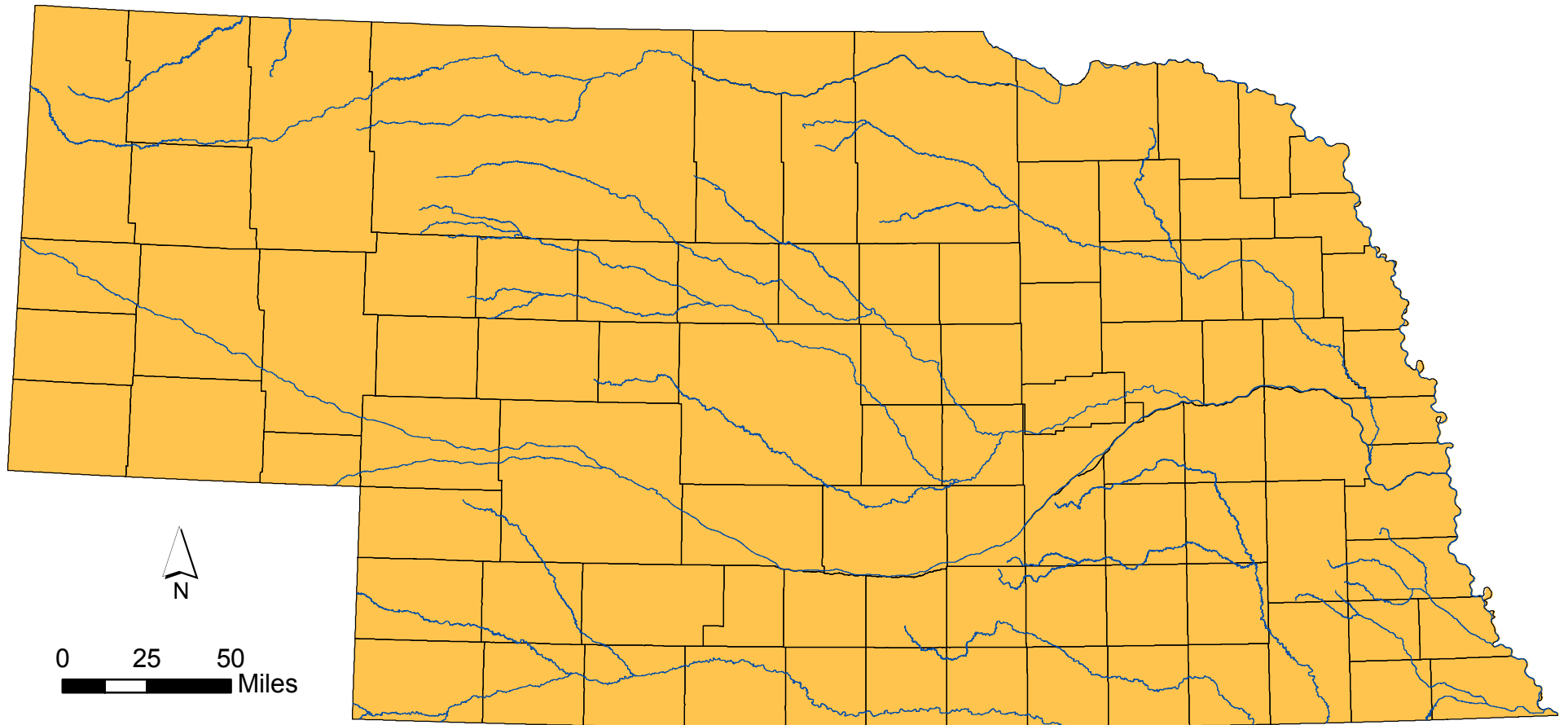
Presence

-  Known or Very Likely
-  Potential




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Range of Sandbar/Mudflat



Presence

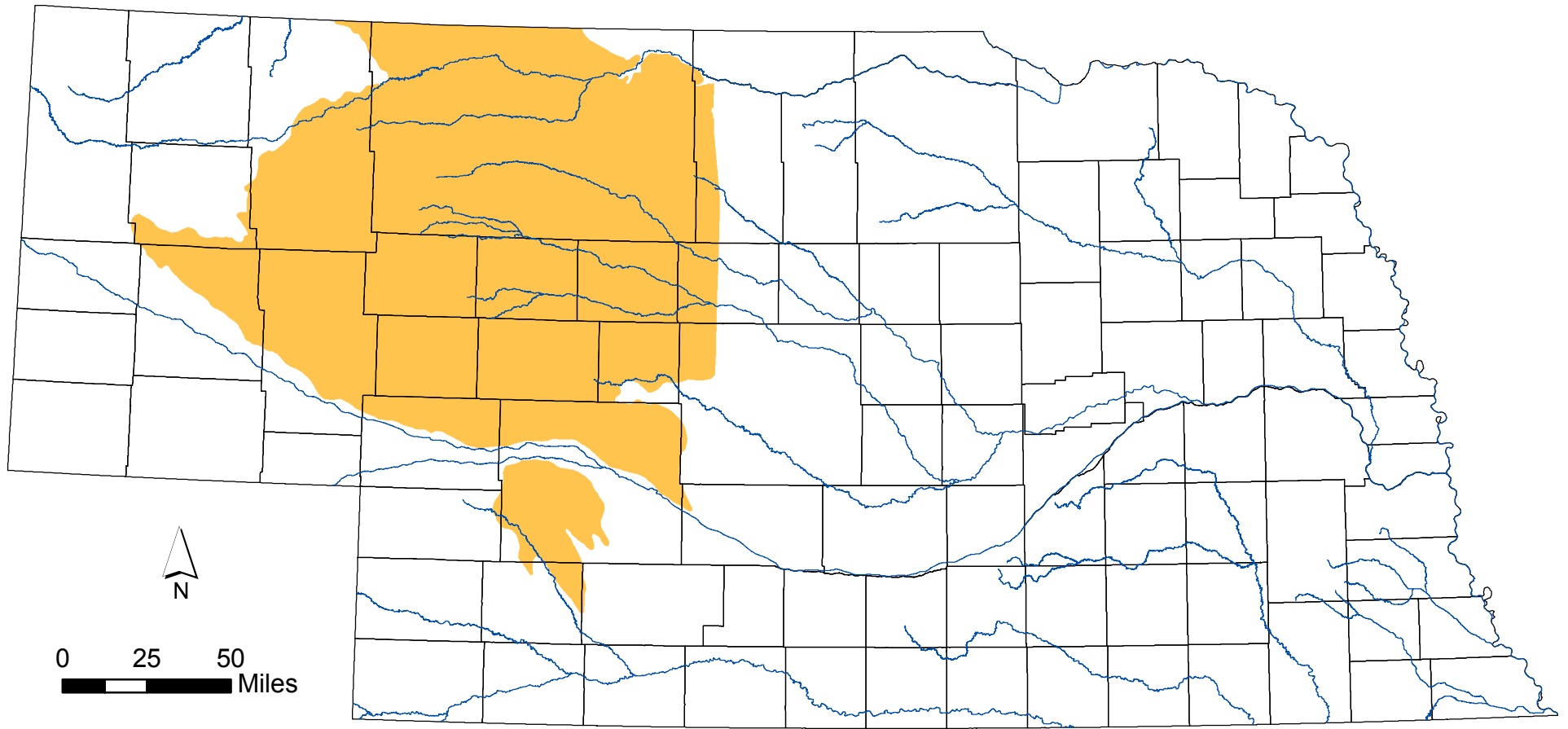
 Known or Very Likely

 Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandhills Dry Valley Prairie



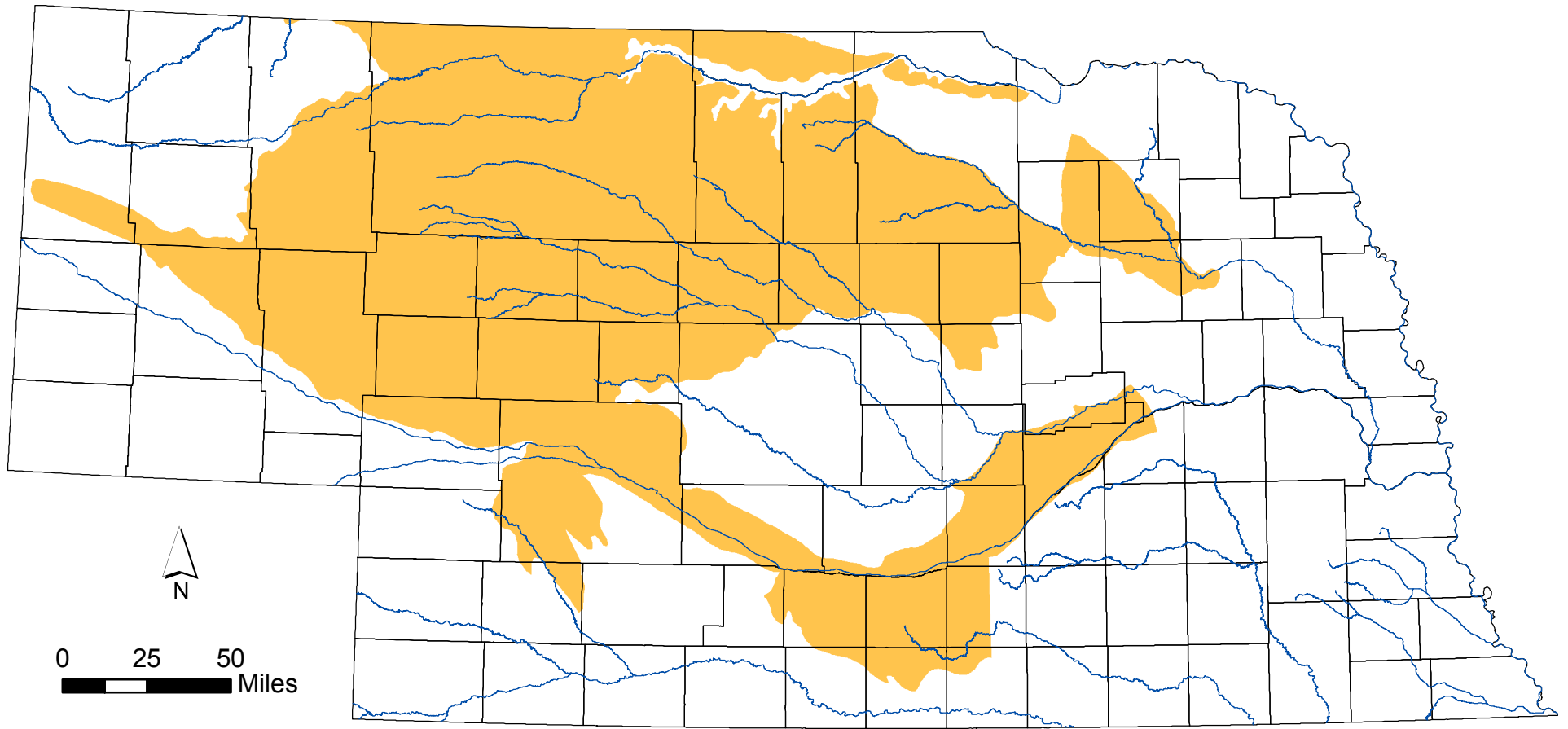
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandhills Dune Prairie



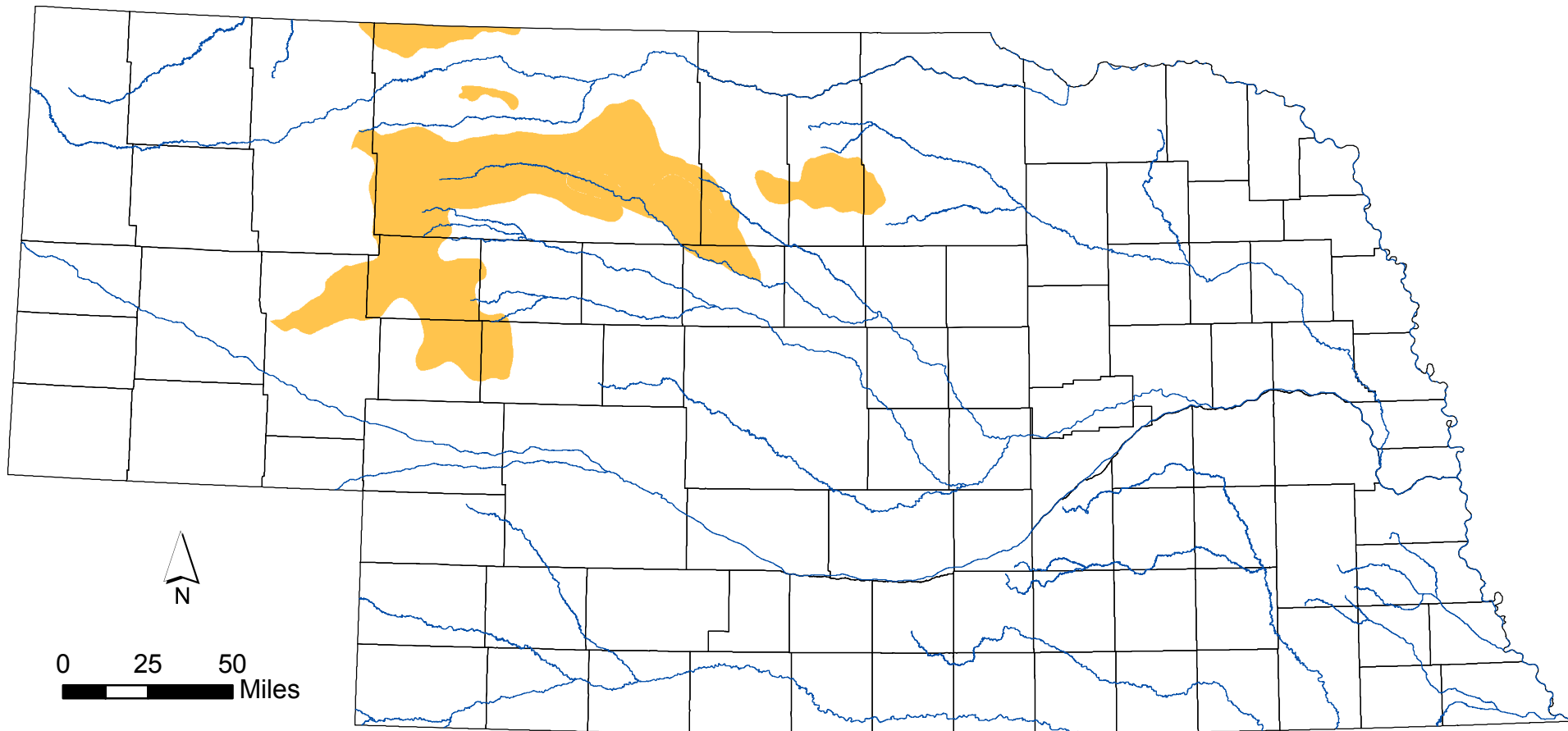
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandhills Fen



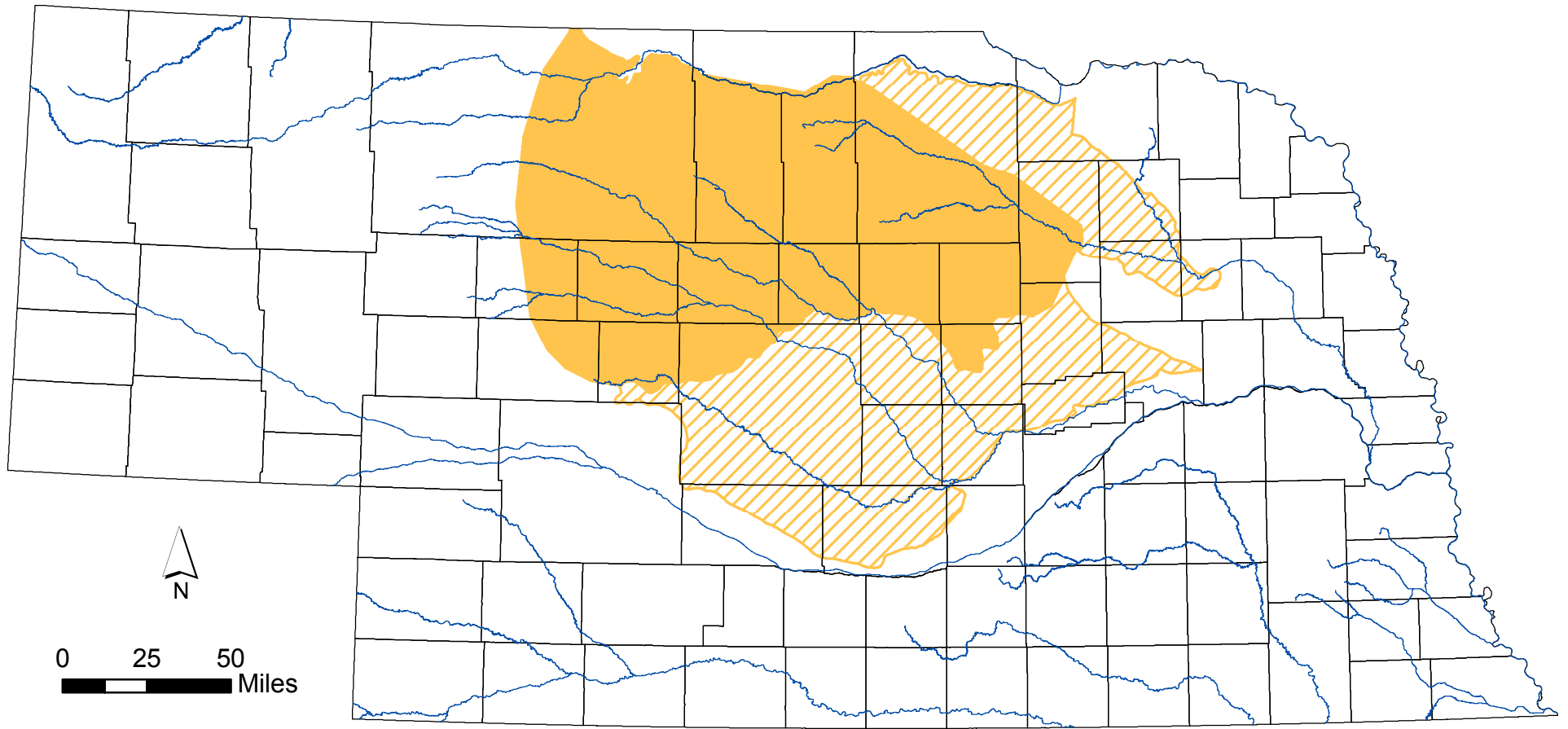
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandhills Hardstem Bulrush Marsh



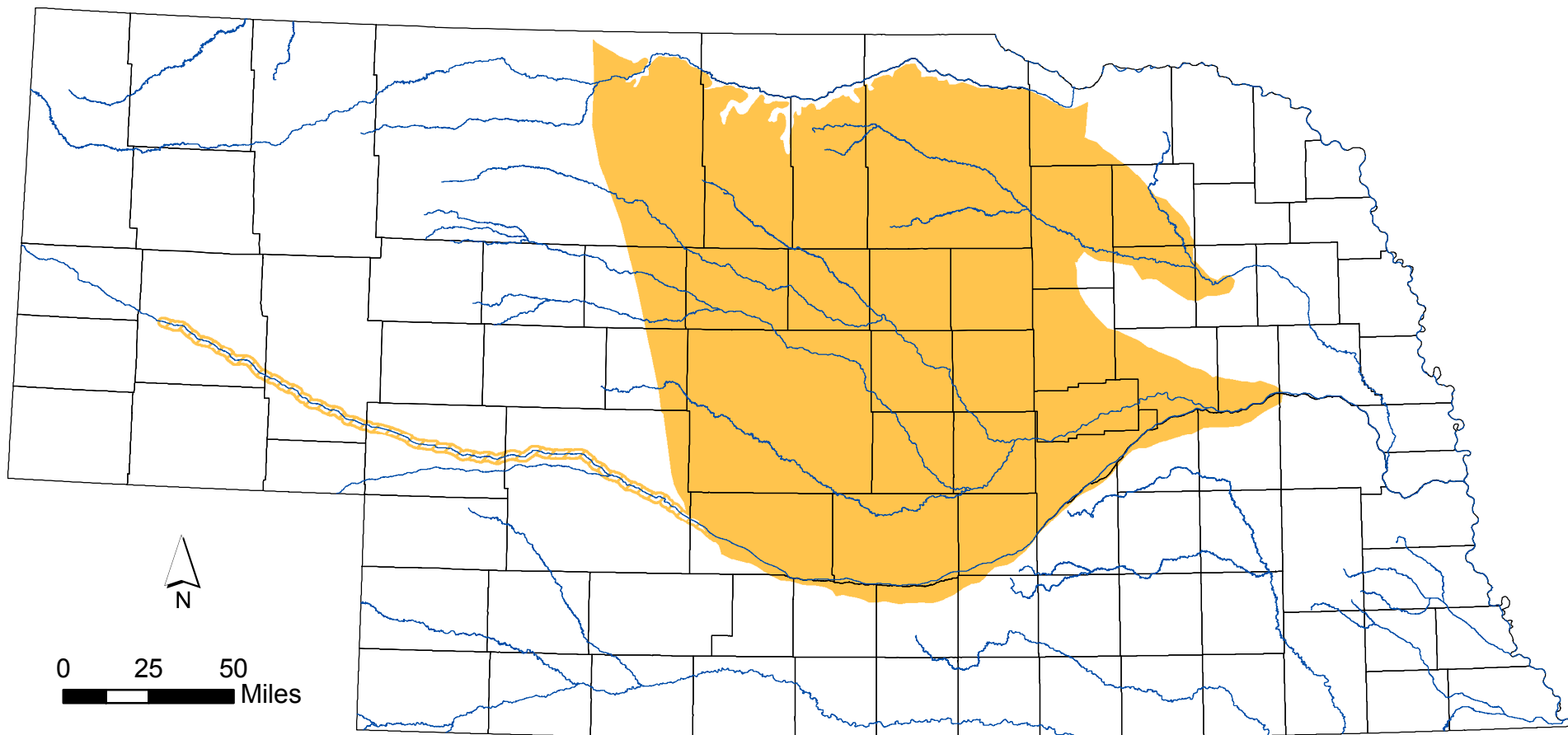
Presence

-  Known or Very Likely
-  Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandhills Mesic Tall-Grass Prairie



Presence

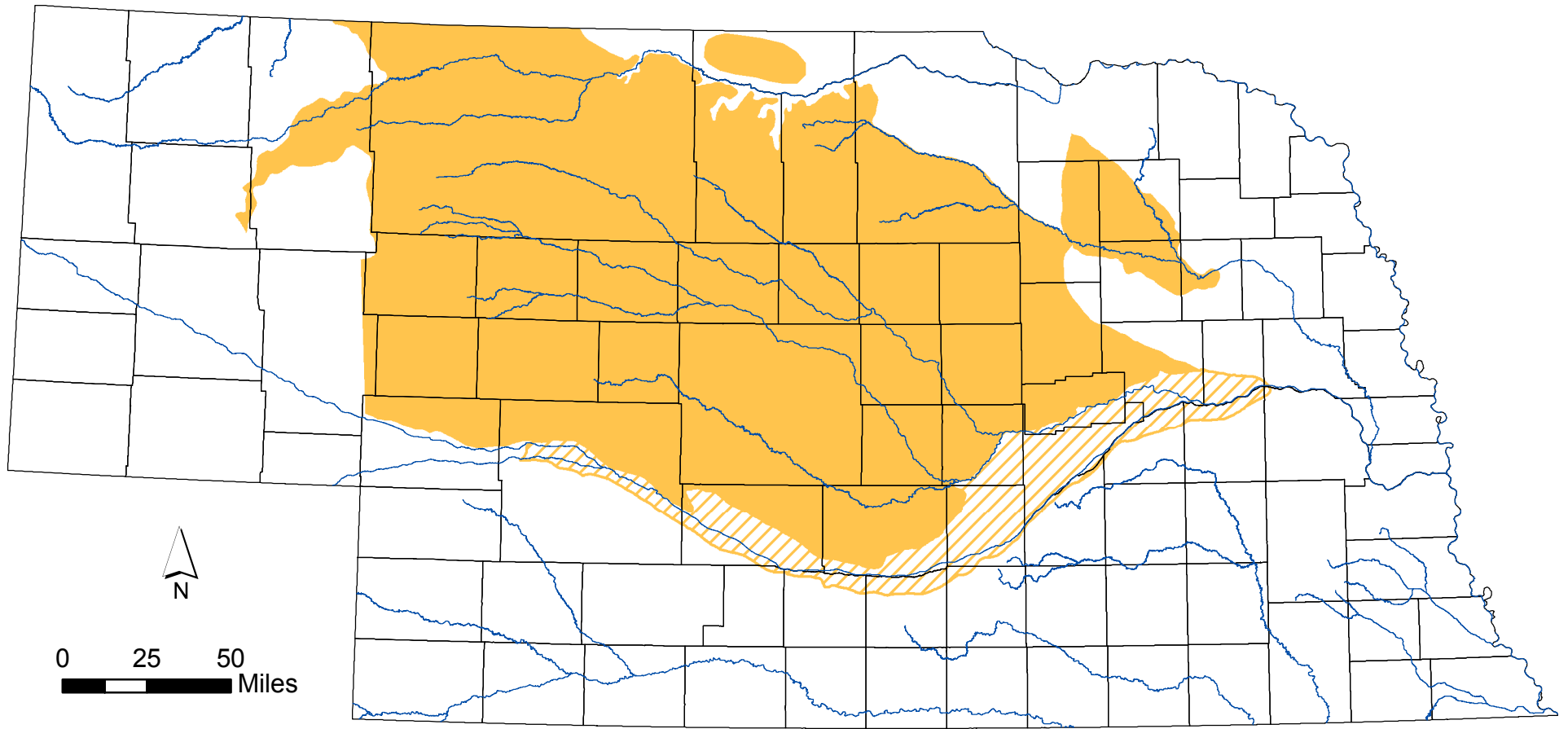
 Known or Very Likely

 Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandhills Wet Meadow



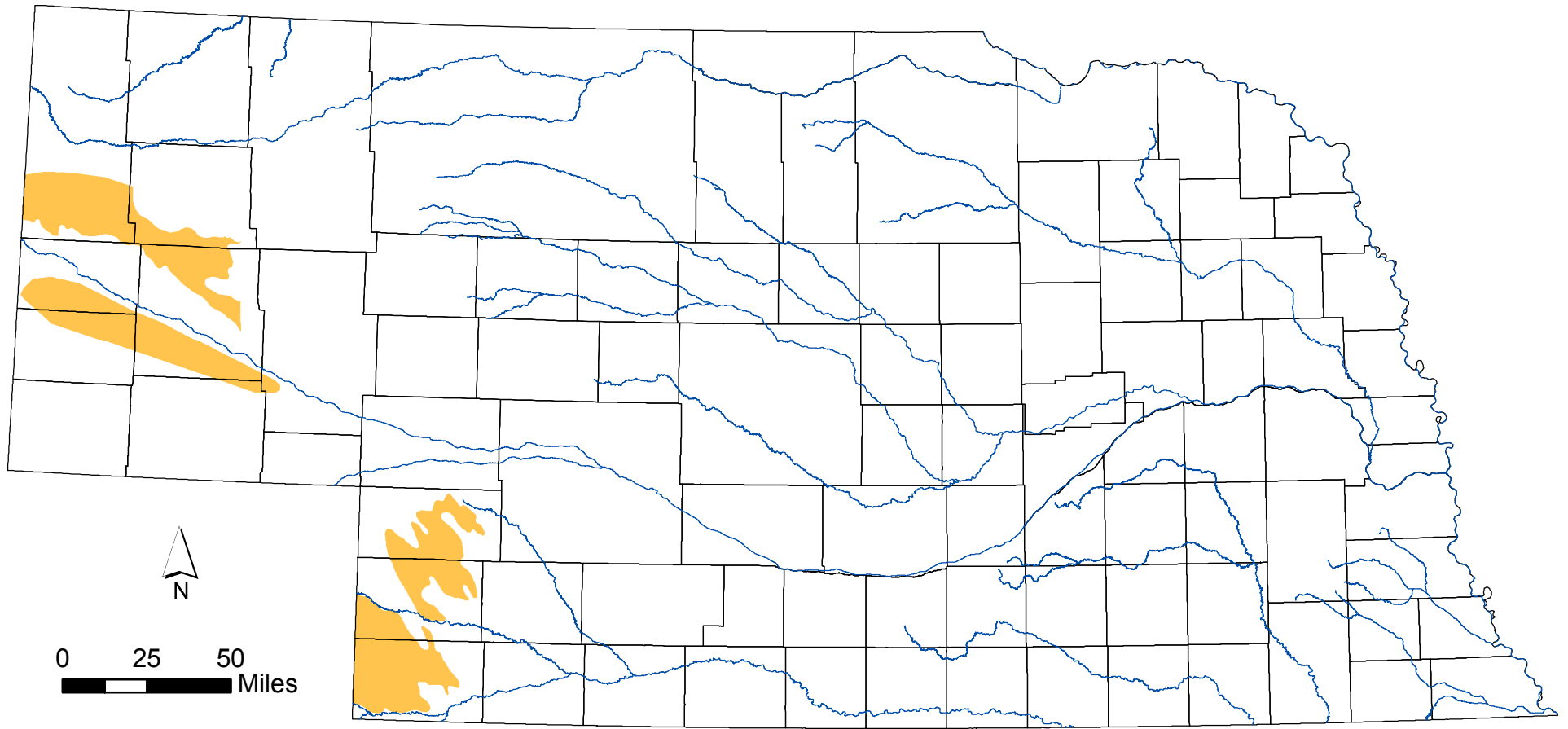
Presence

-  Known or Very Likely
-  Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandsage Prairie



Presence

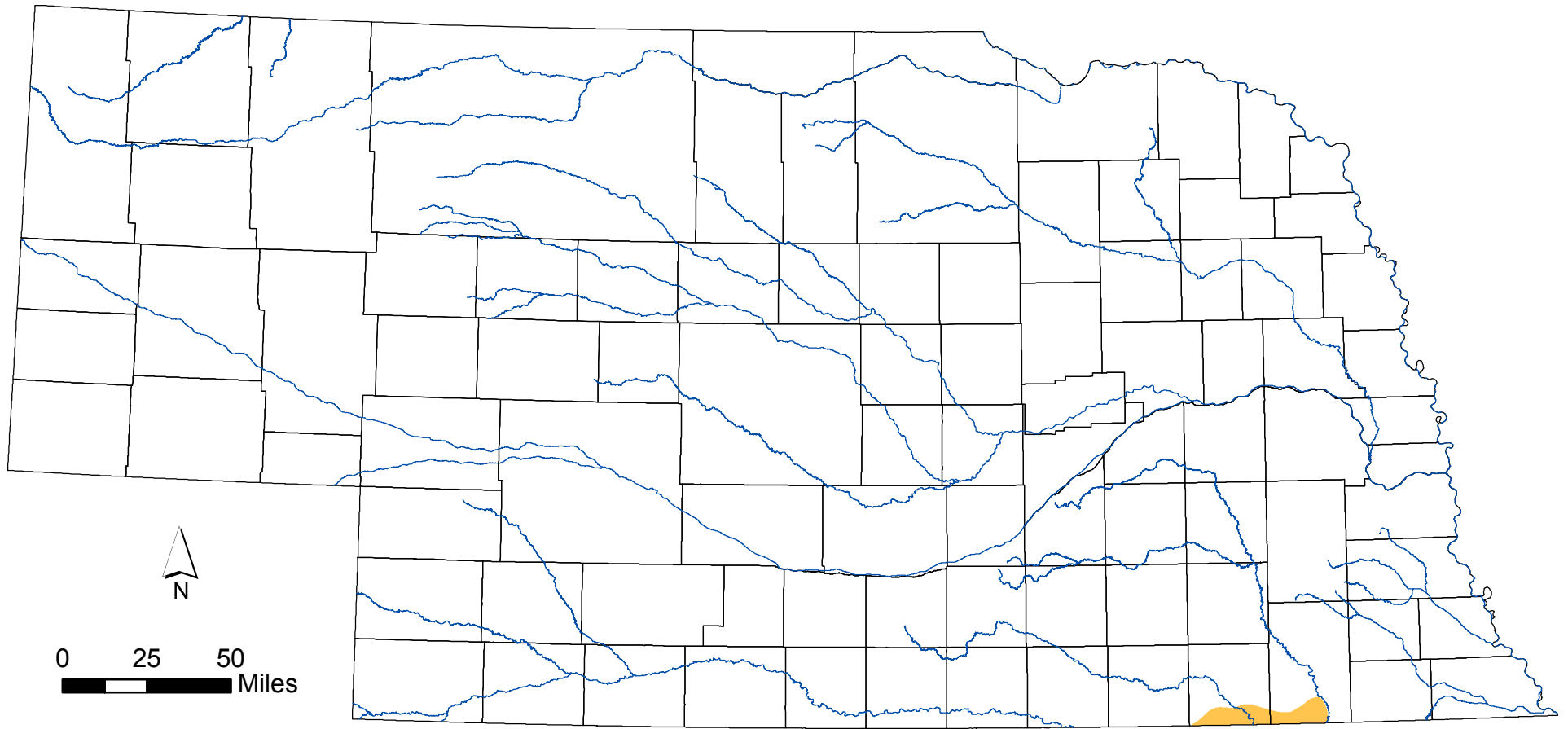
 Known or Very Likely

 Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Sandstone Upland Bur Oak Woodland



Presence

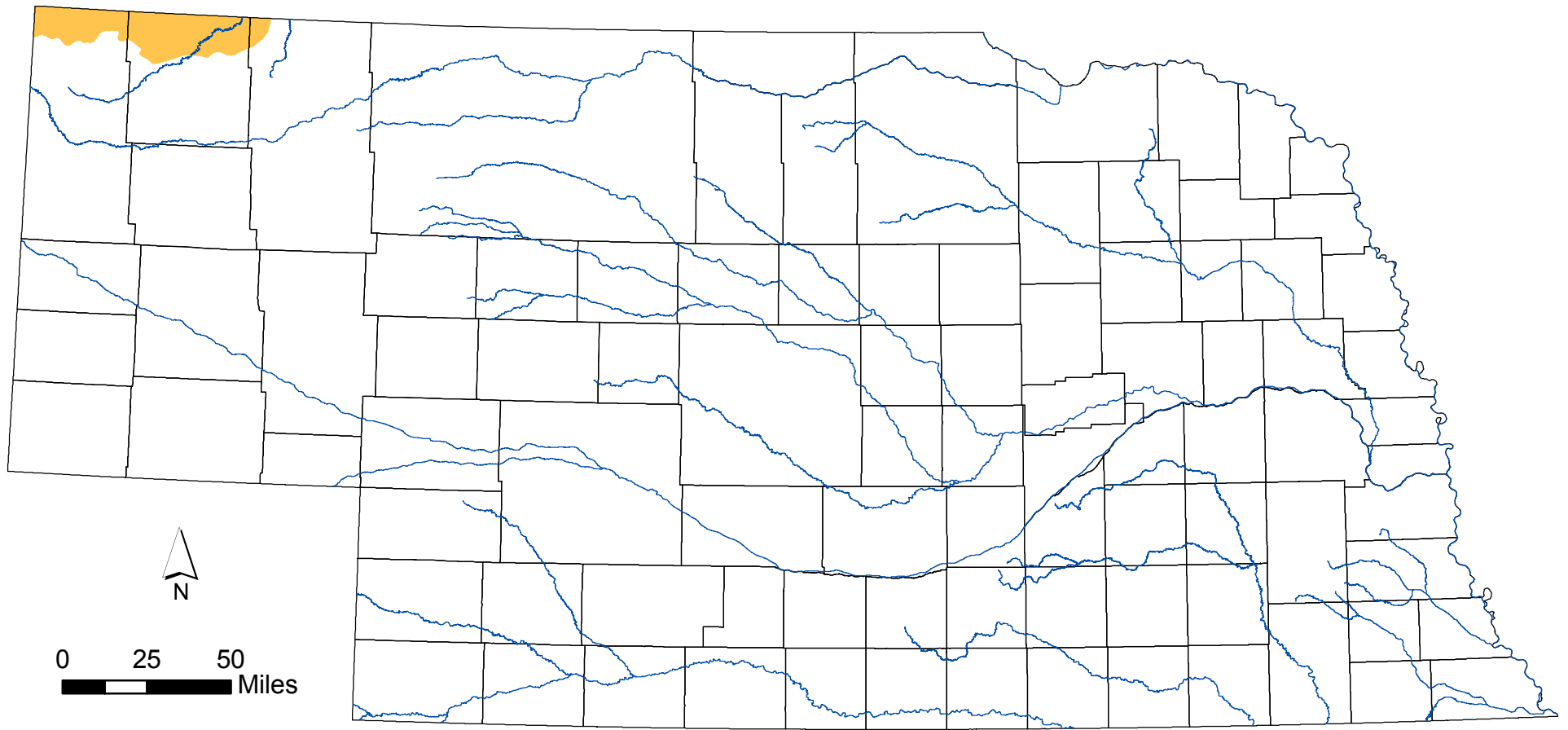
 Known or Very Likely

 Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Silver Sagebrush Shrub Prairie



Presence

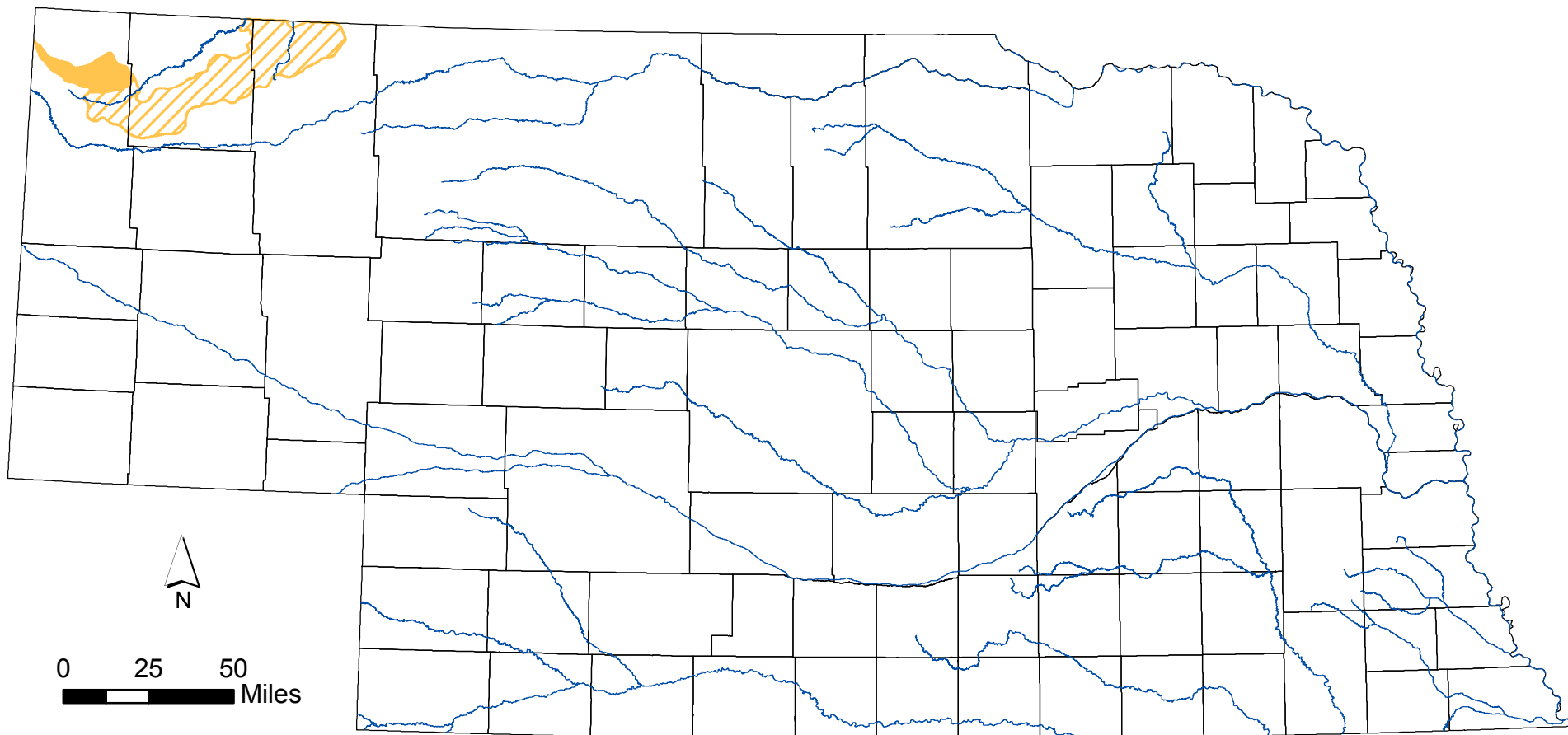
 Known or Very Likely

 Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Skunkbrush Sumac Shrubland



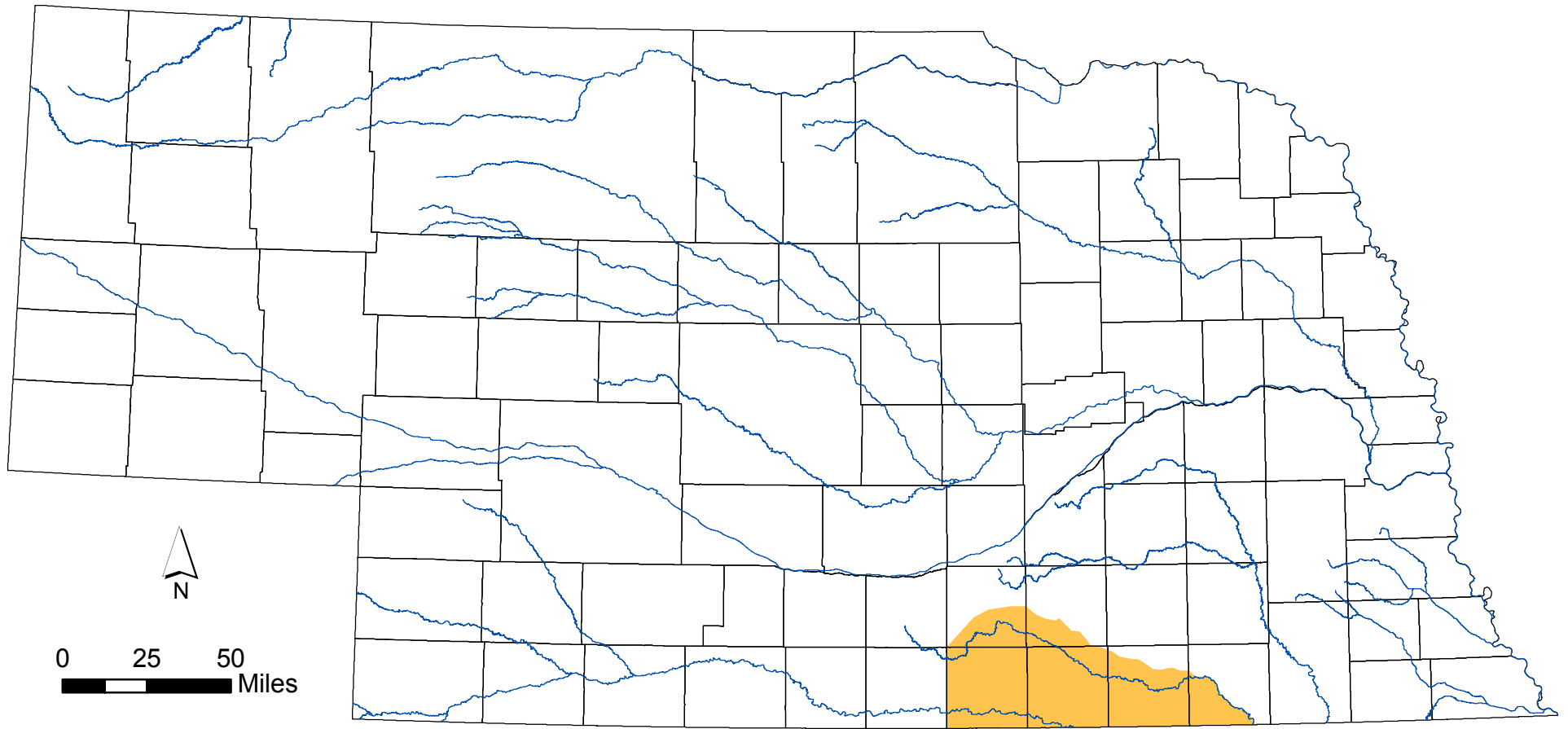
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Southern Sand/Gravel Prairie



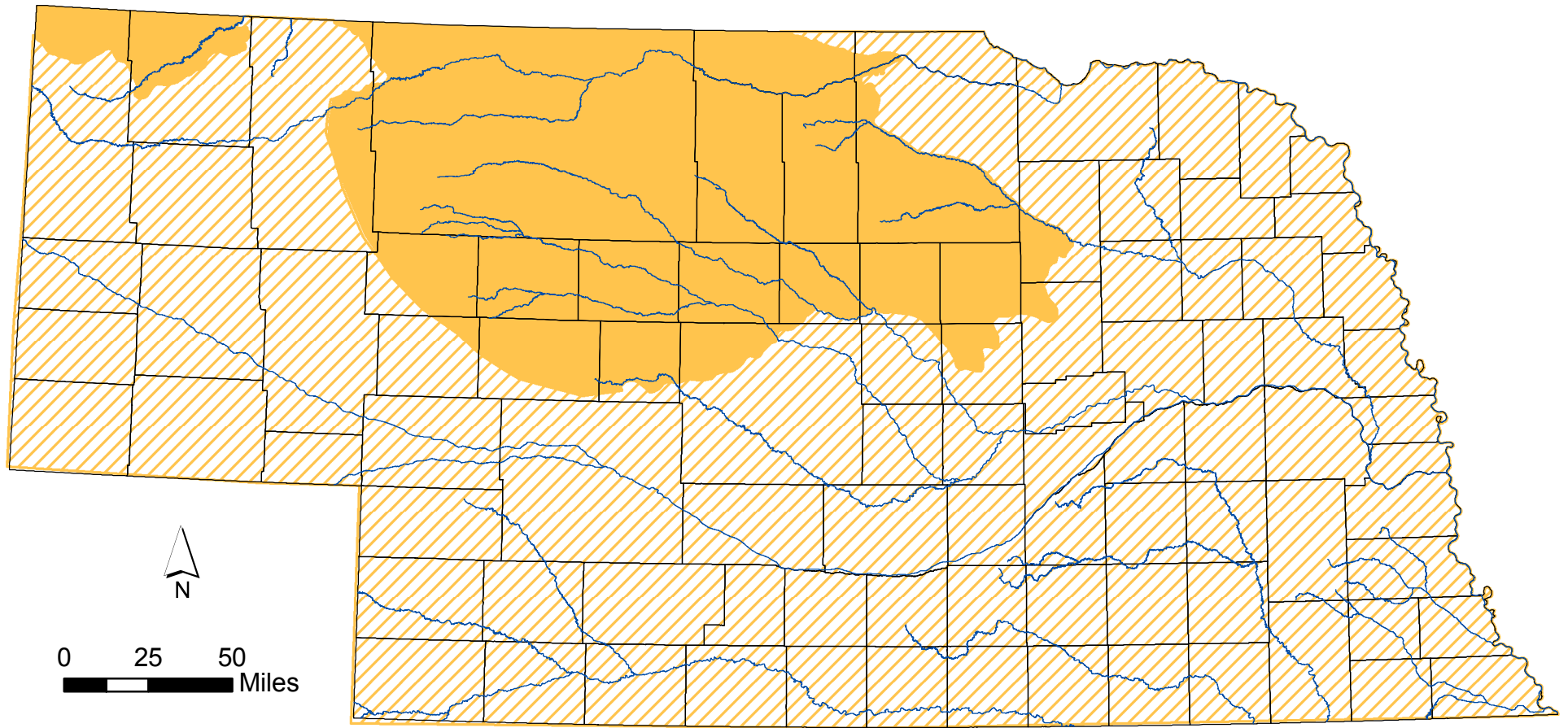
Presence

-  Known or Very Likely
-  Potential



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Nebraska Game and Parks Commission
September 2014

Range of Spikerush Vernal Pool

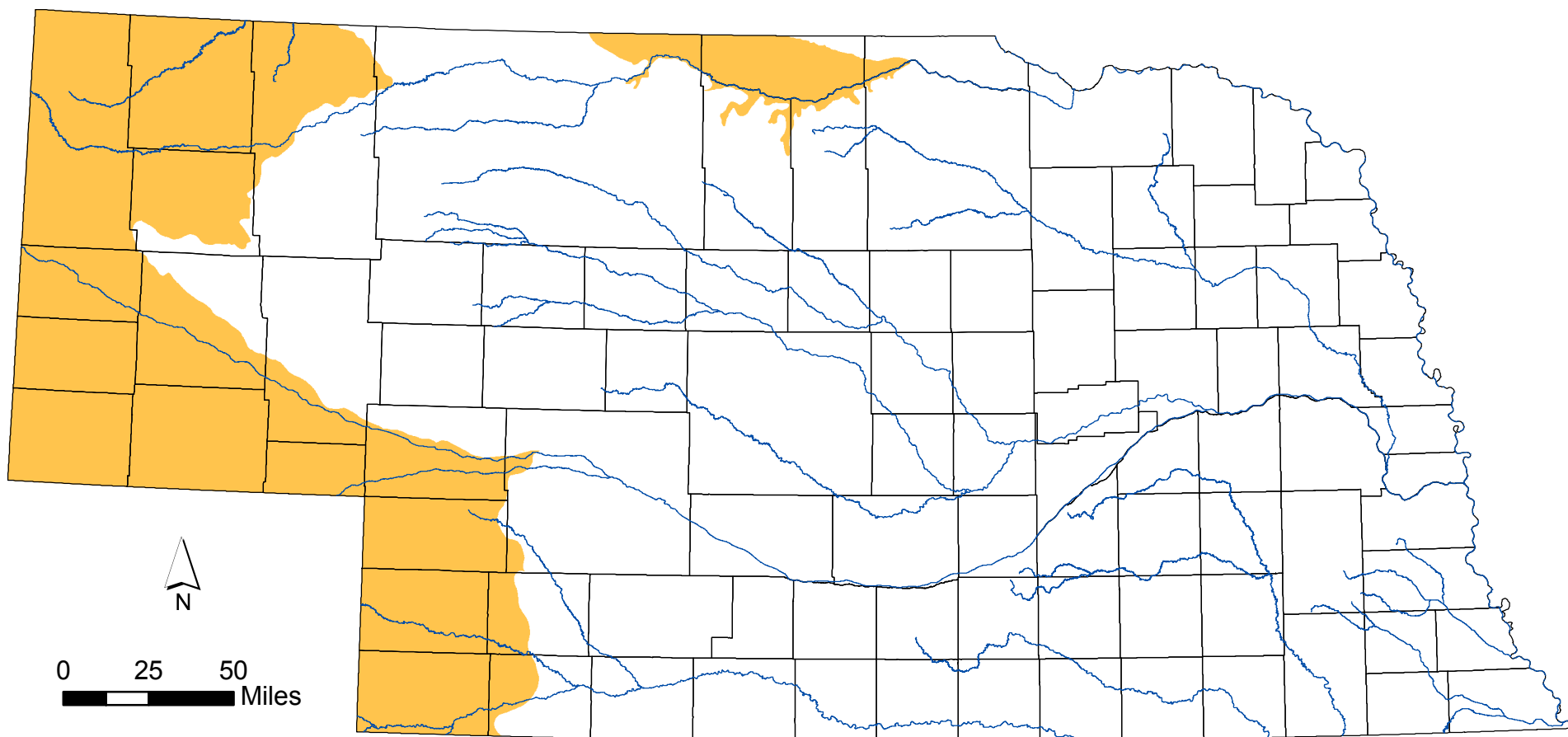


Presence
Known or Very Likely
Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Threadleaf Sedge Western Mixed-Grass Prairie



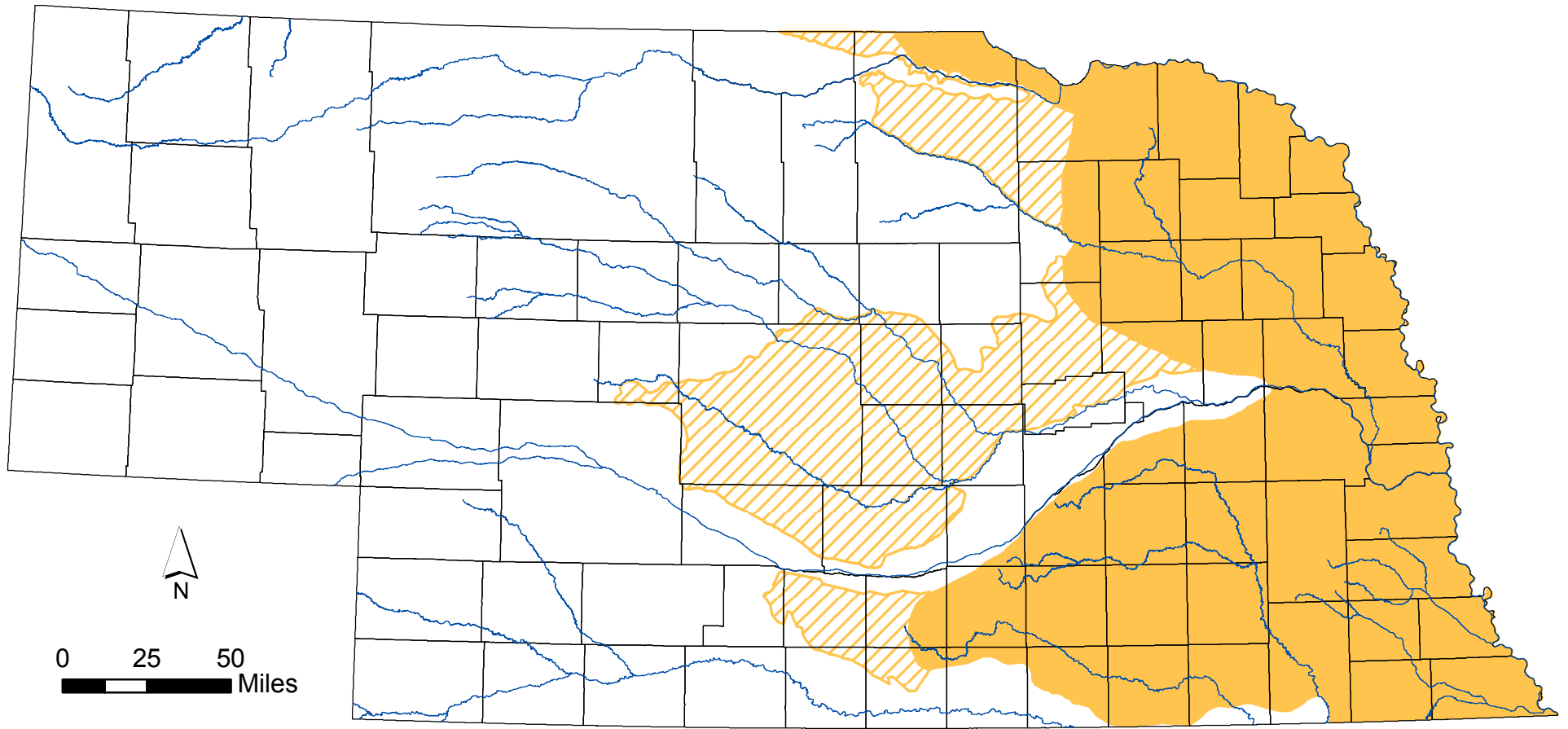
Presence

-  Known or Very Likely
-  Potential





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Nebraska Game and Parks Commission
September 2014

Range of Upland Tall-Grass Prairie



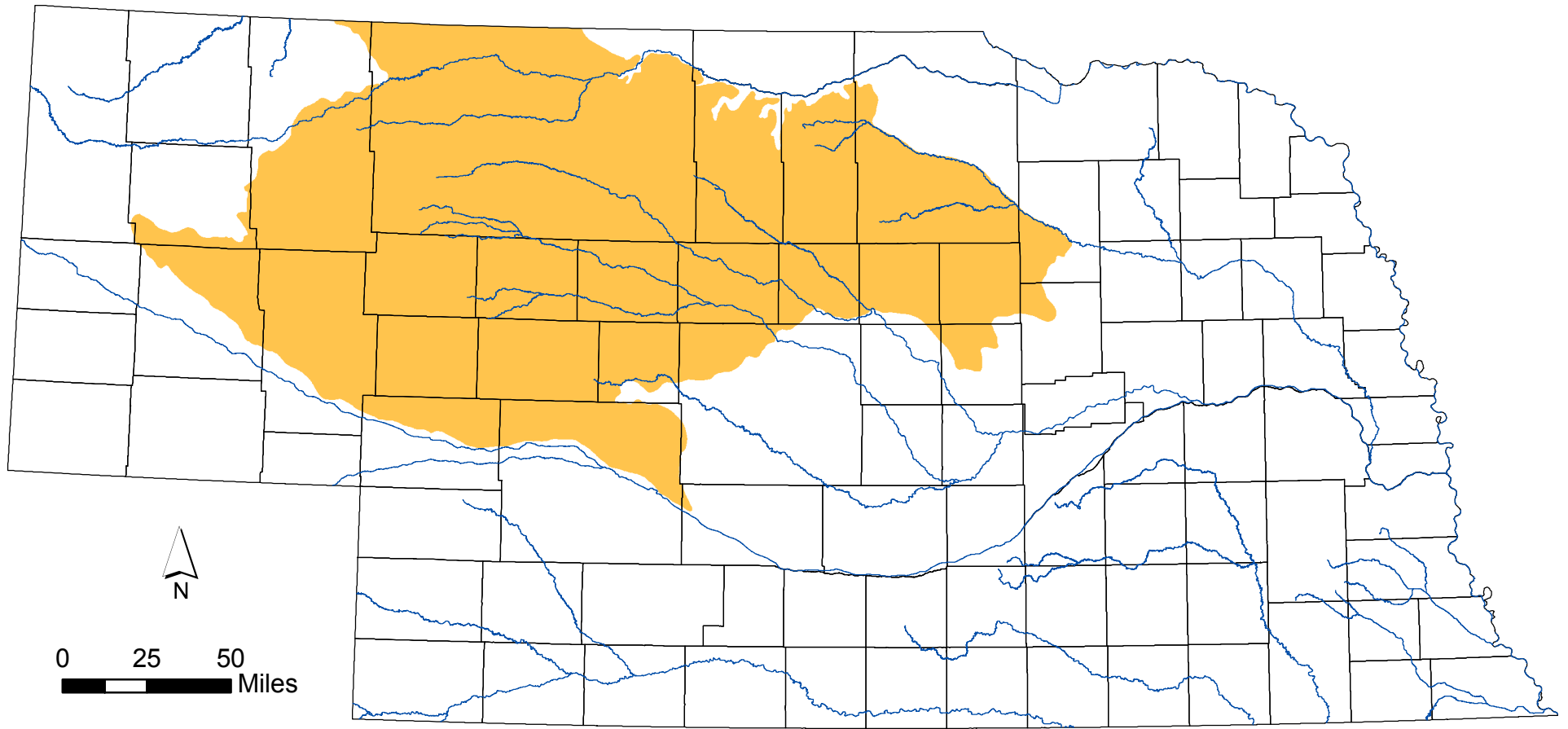
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Water-Lily Aquatic Wetland



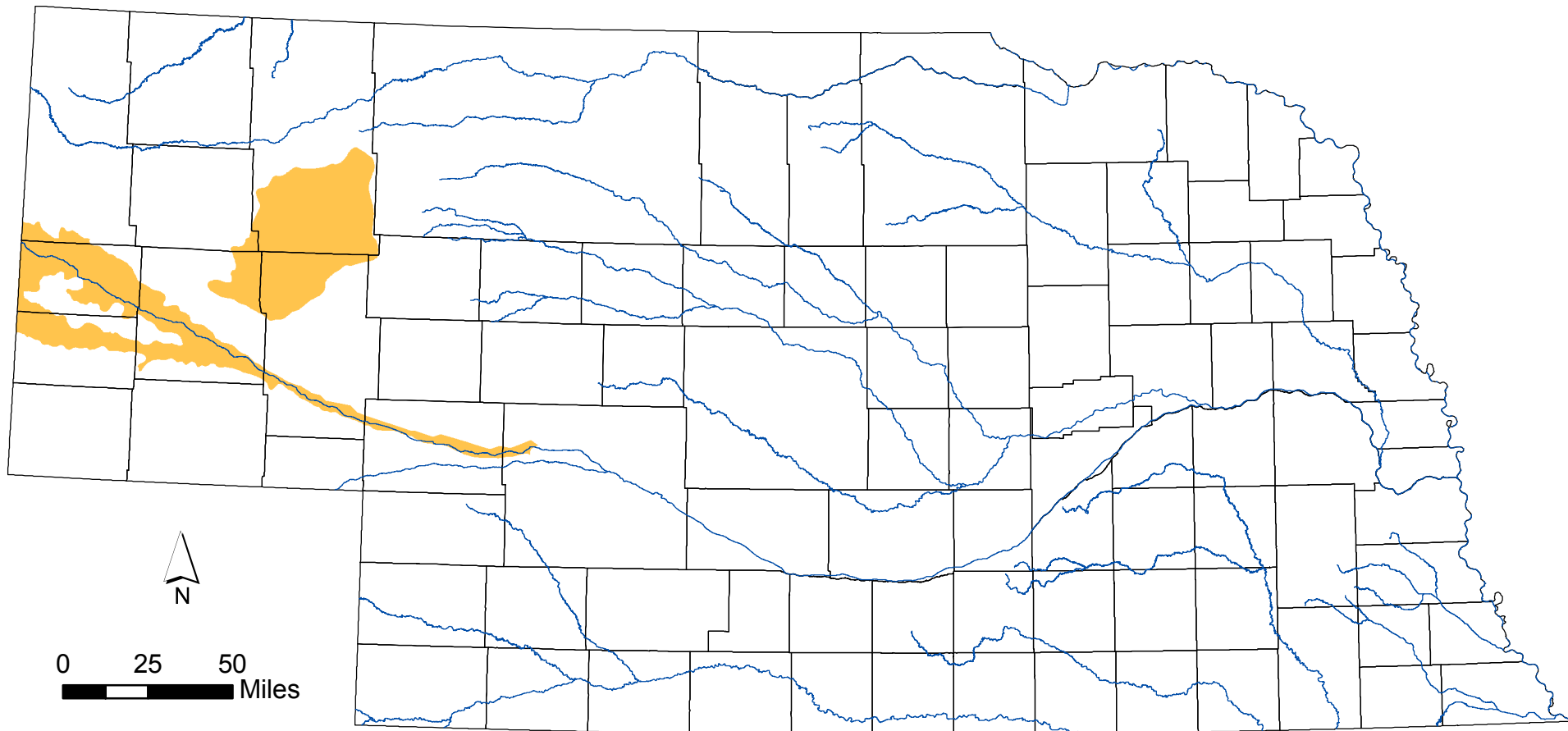
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Alkaline Marsh



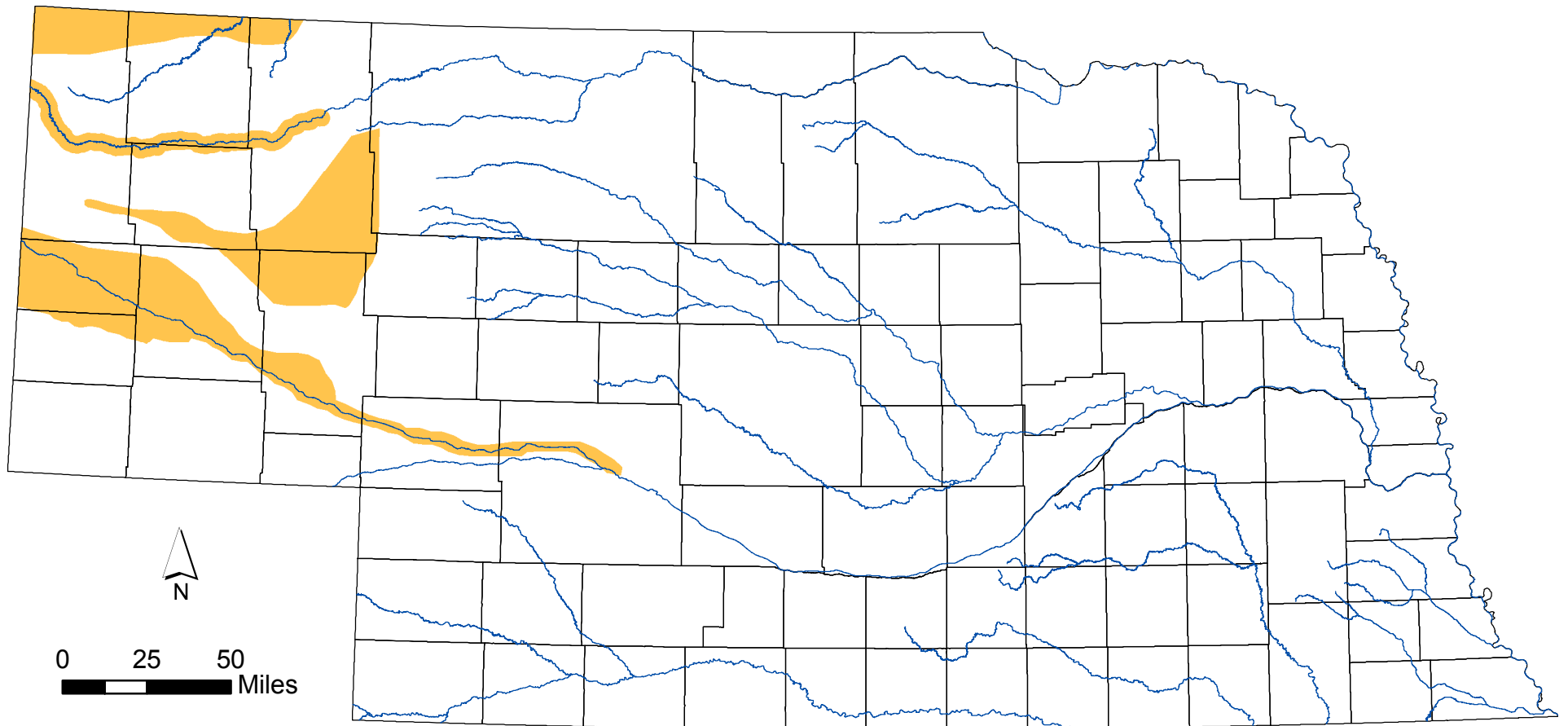
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Alkaline Meadow



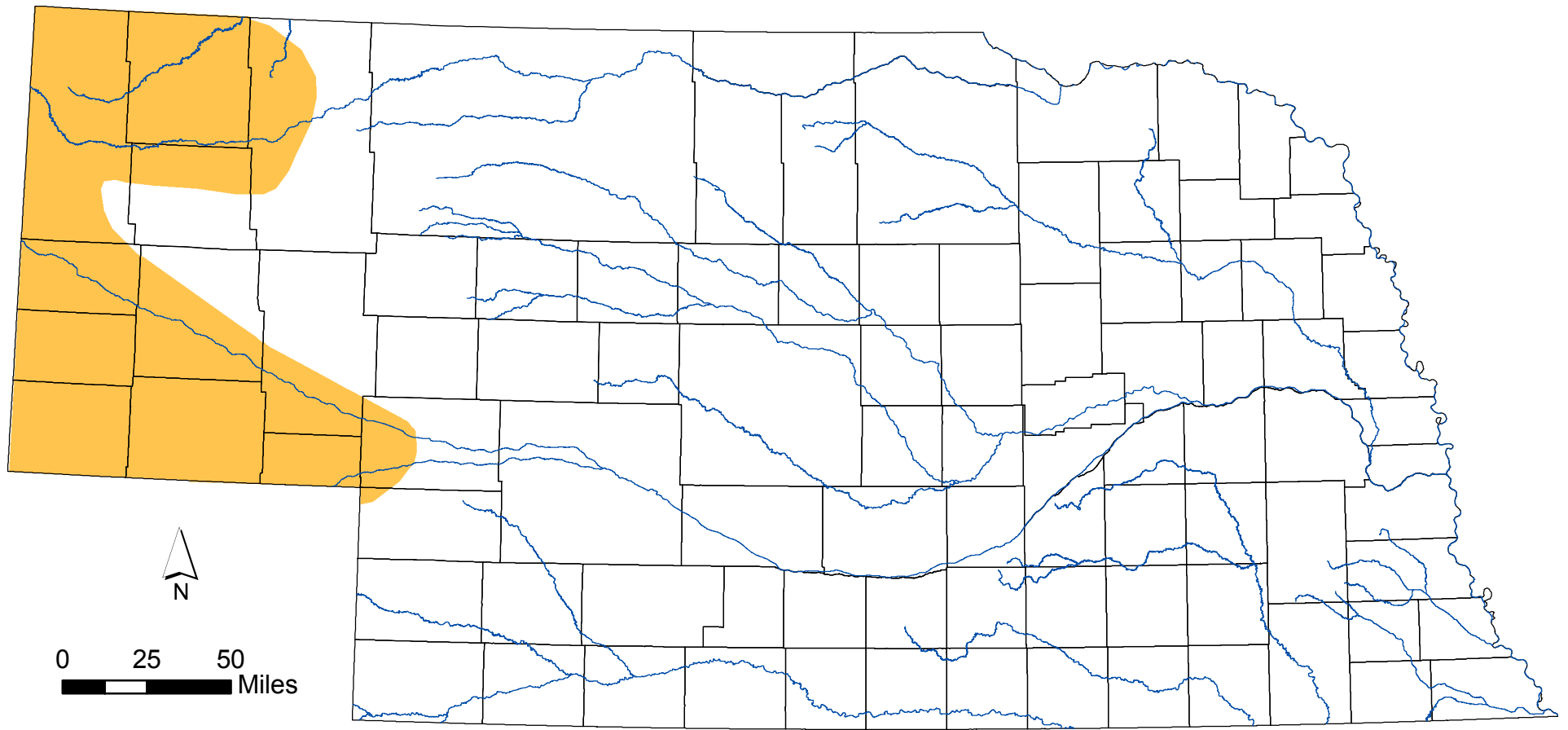
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Floodplain Terrace Grassland



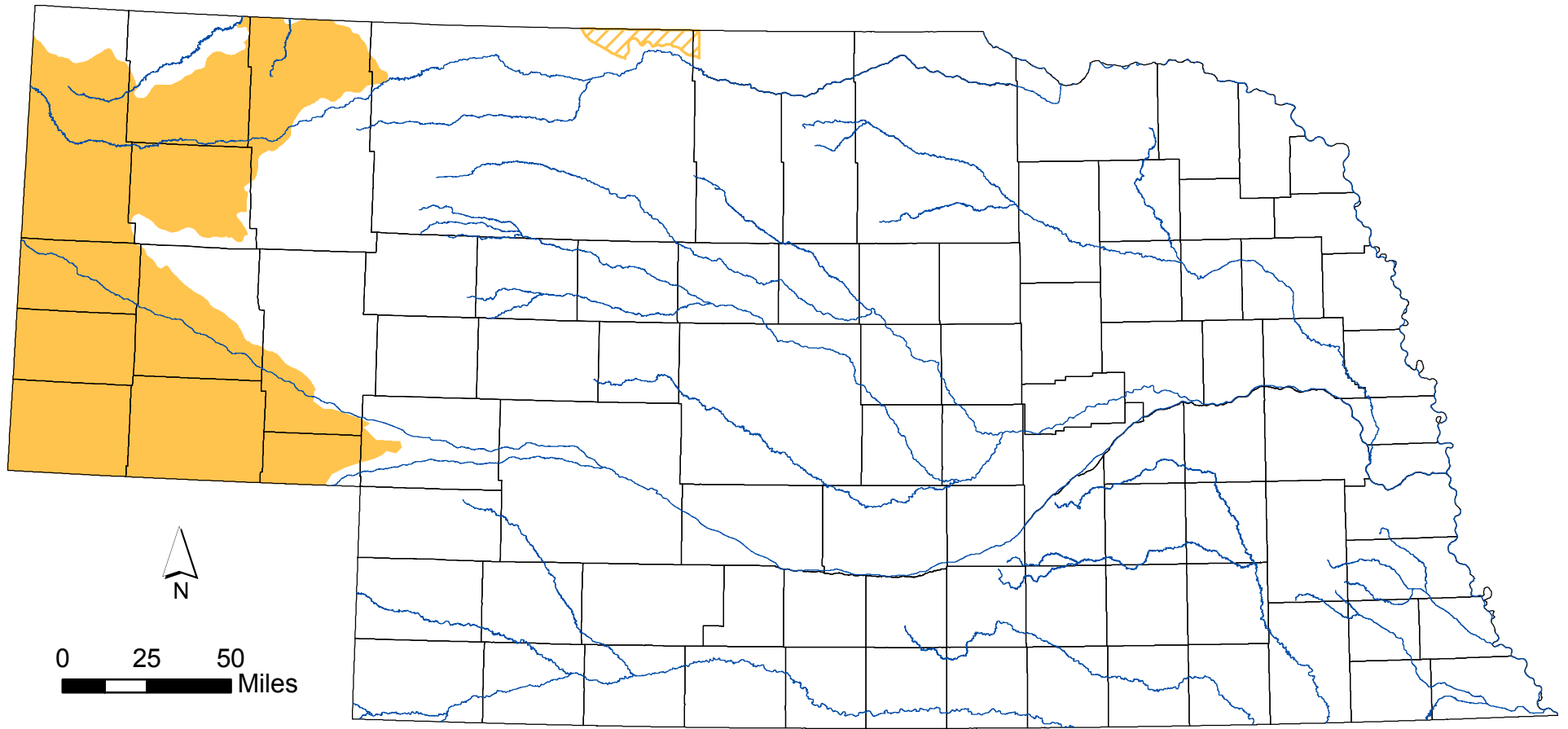
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Sand Prairie



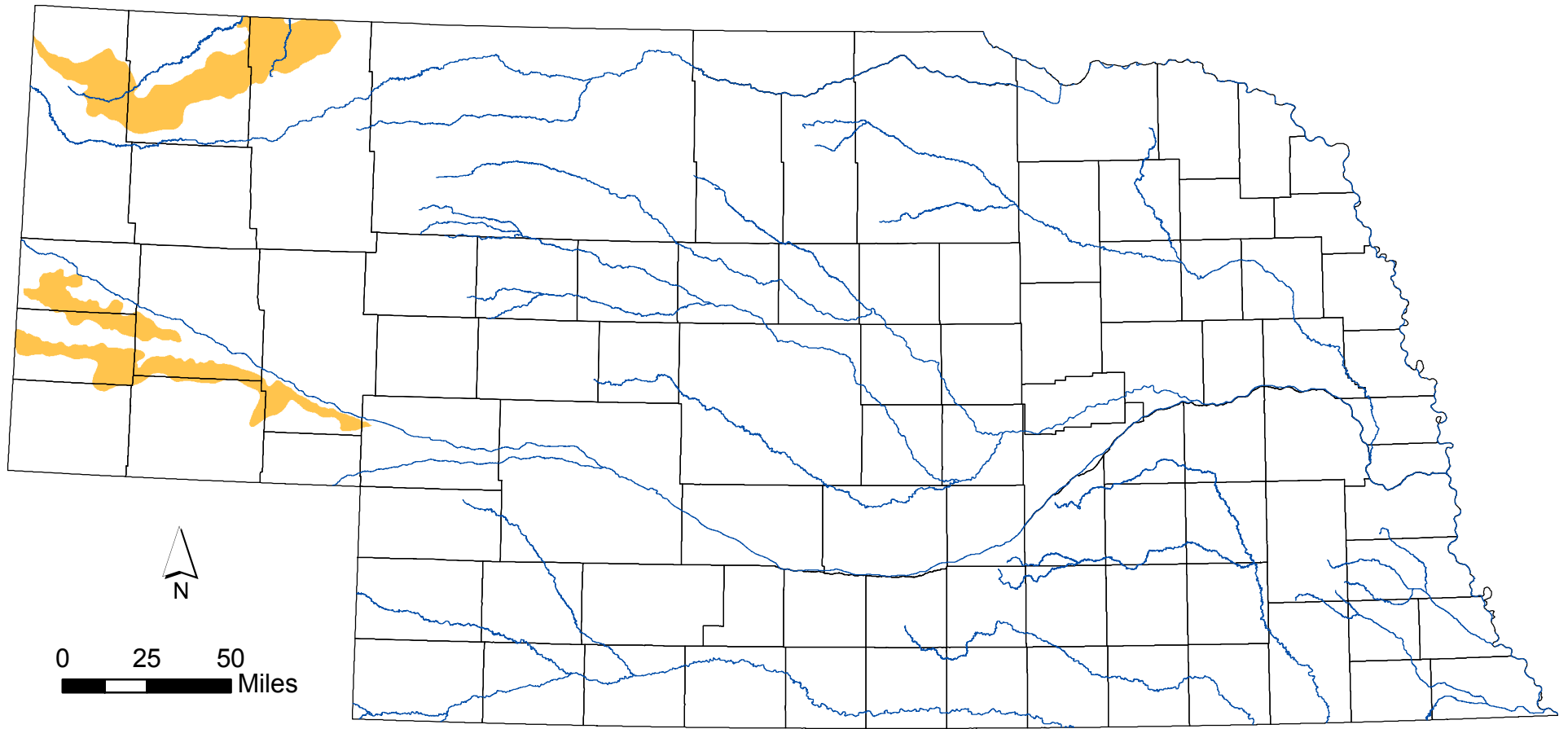
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Sandstone Cliff



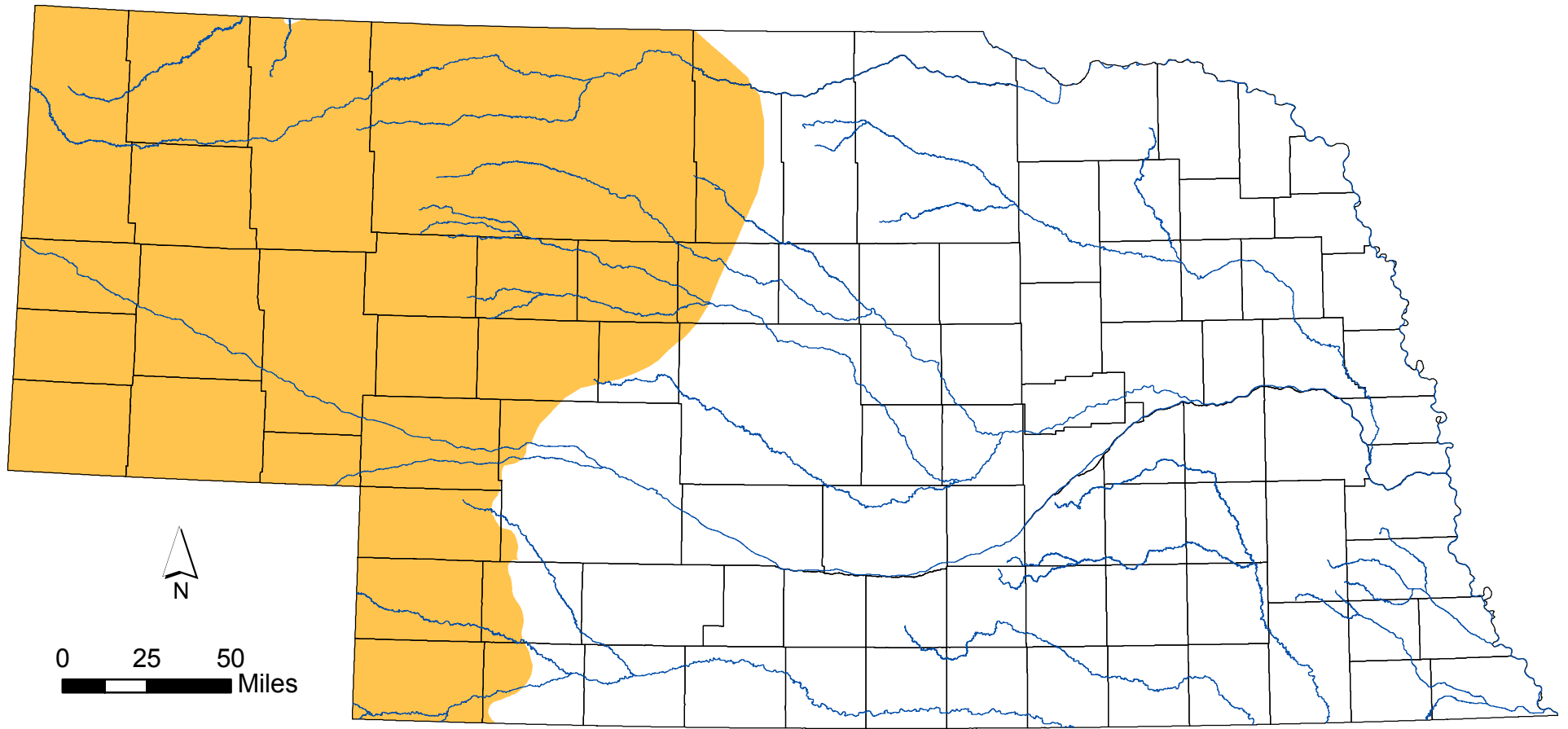
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Sedge Wet Meadow



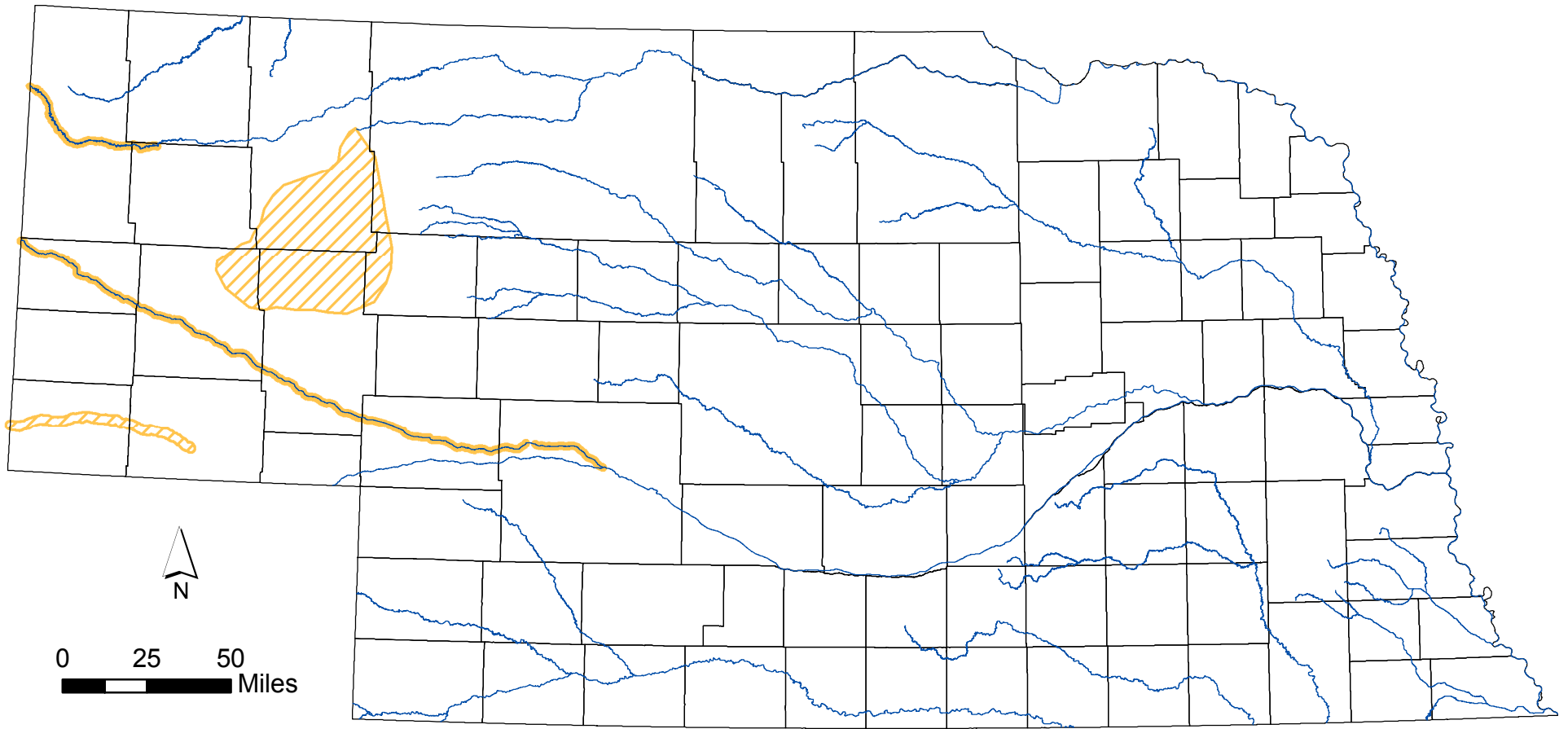
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Western Subirrigated Alkaline Meadow



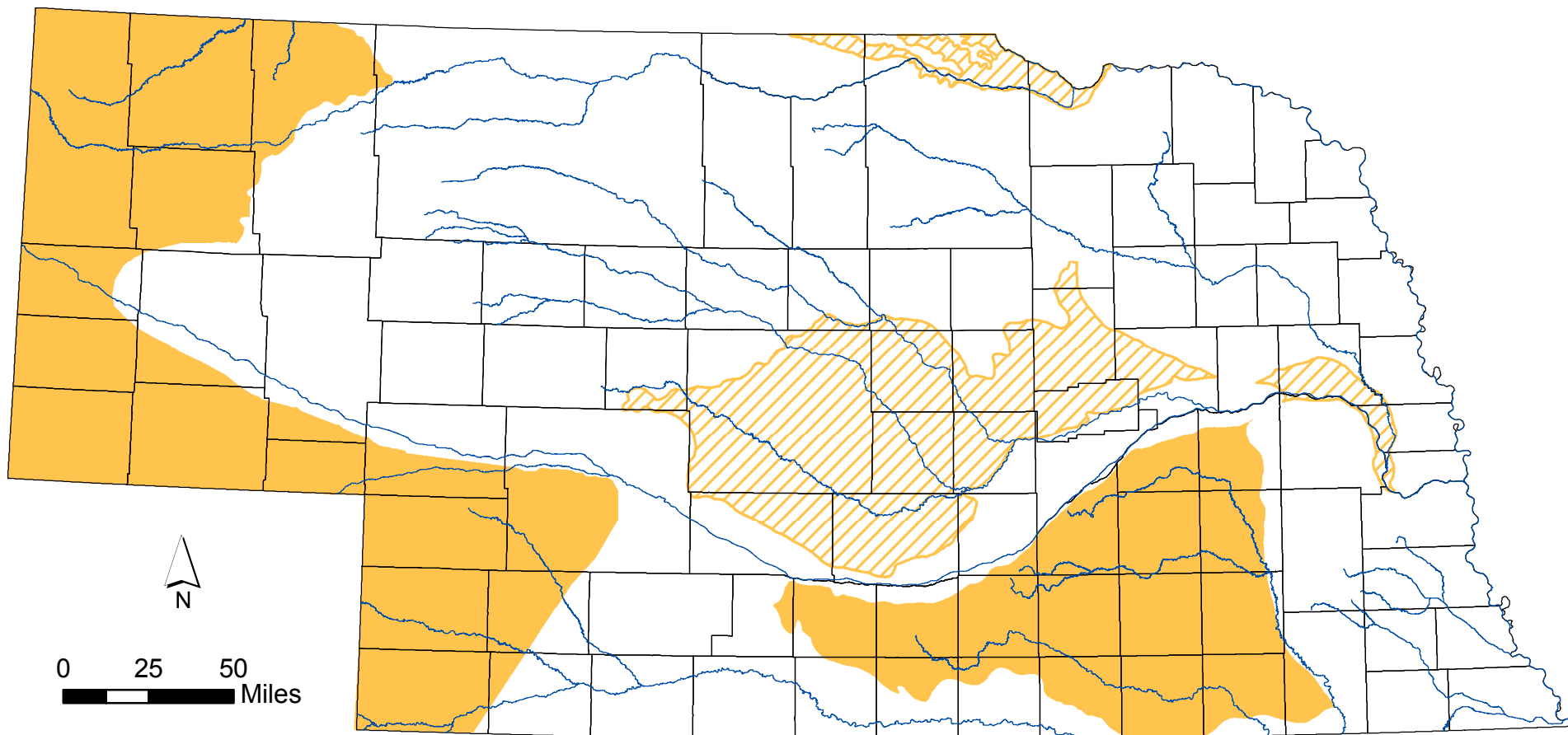
Presence

-  Known or Very Likely
-  Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Wheatgrass Playa Grassland



0 25 50
Miles

Presence

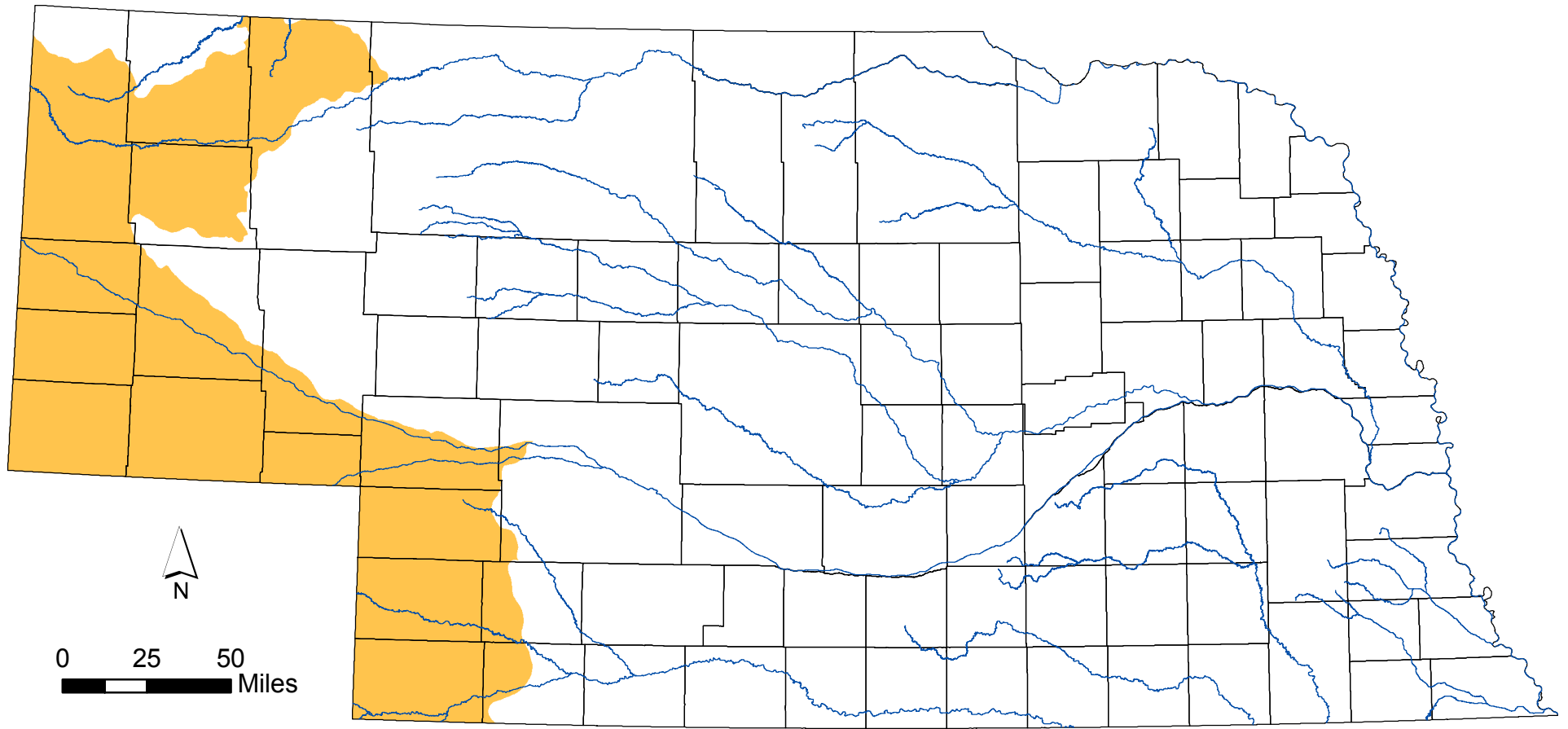
 Known or Very Likely

 Potential





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Nebraska Game and Parks Commission
September 2014

Range of Wheatgrass Western Mixed-Grass Prairie



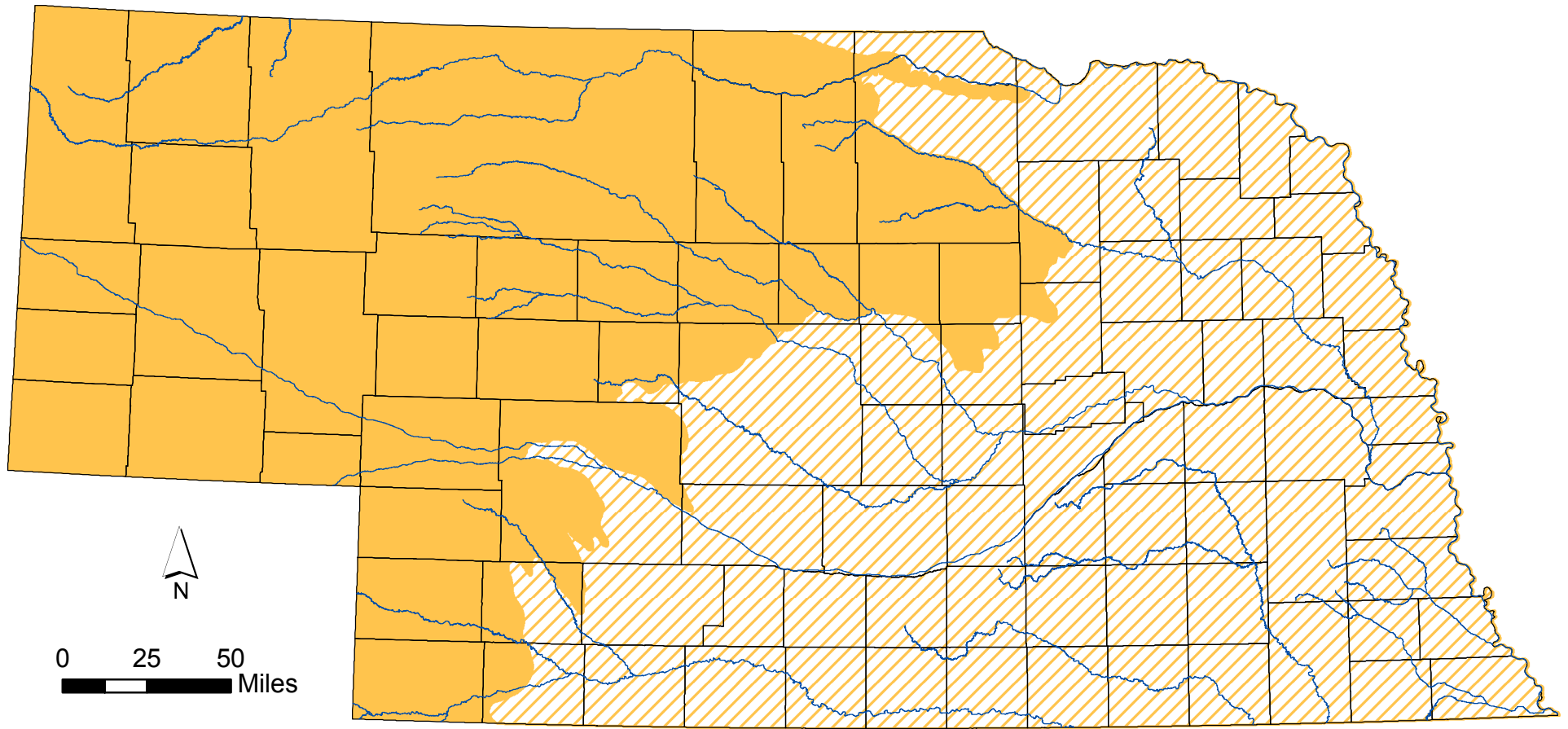
Presence

-  Known or Very Likely
-  Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Chokecherry-Plum Shrub Thicket



Presence

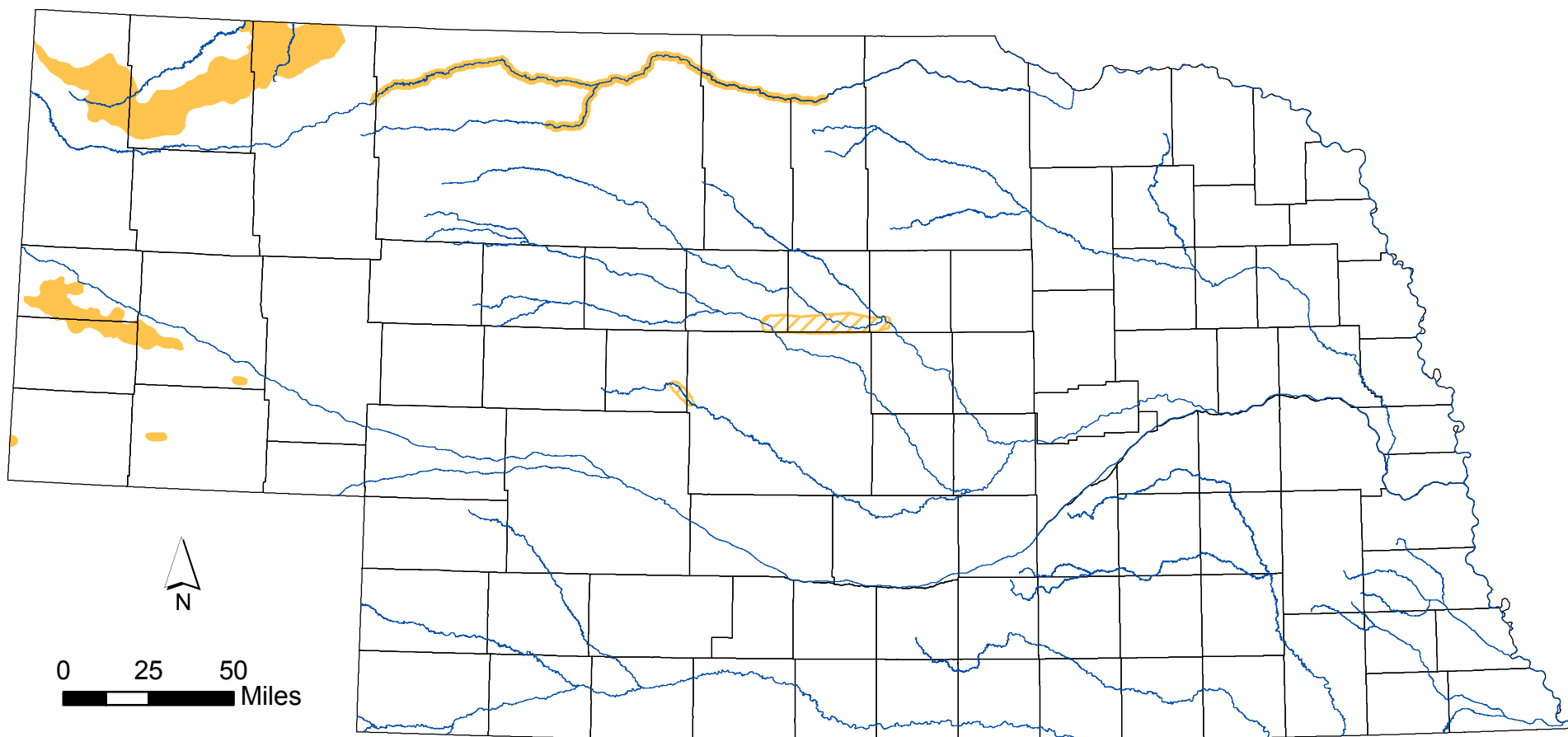
 Known or Very Likely

 Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Dry Ponderosa Pine Open Woodland And Savanna



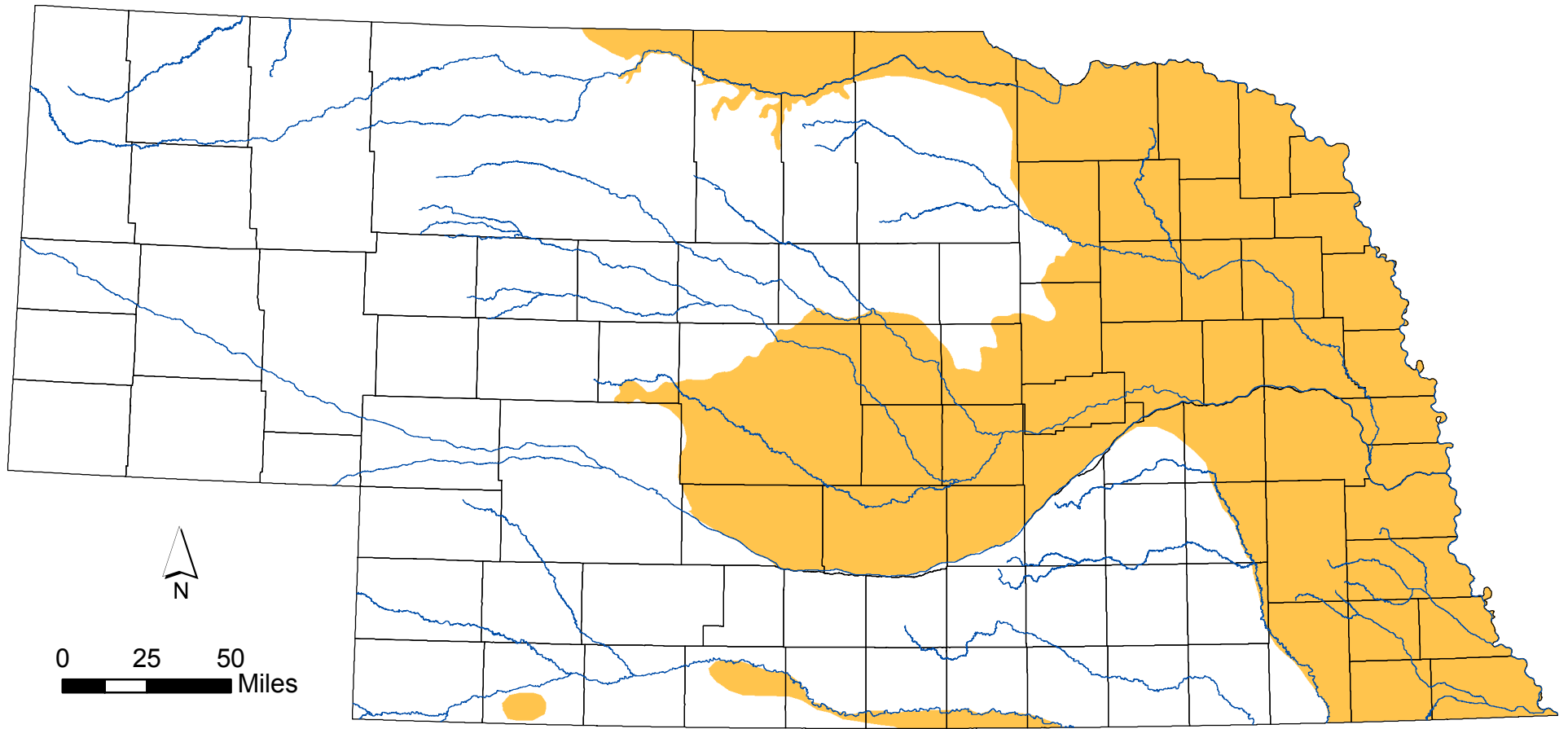
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Dry Upland Bur Oak Woodland



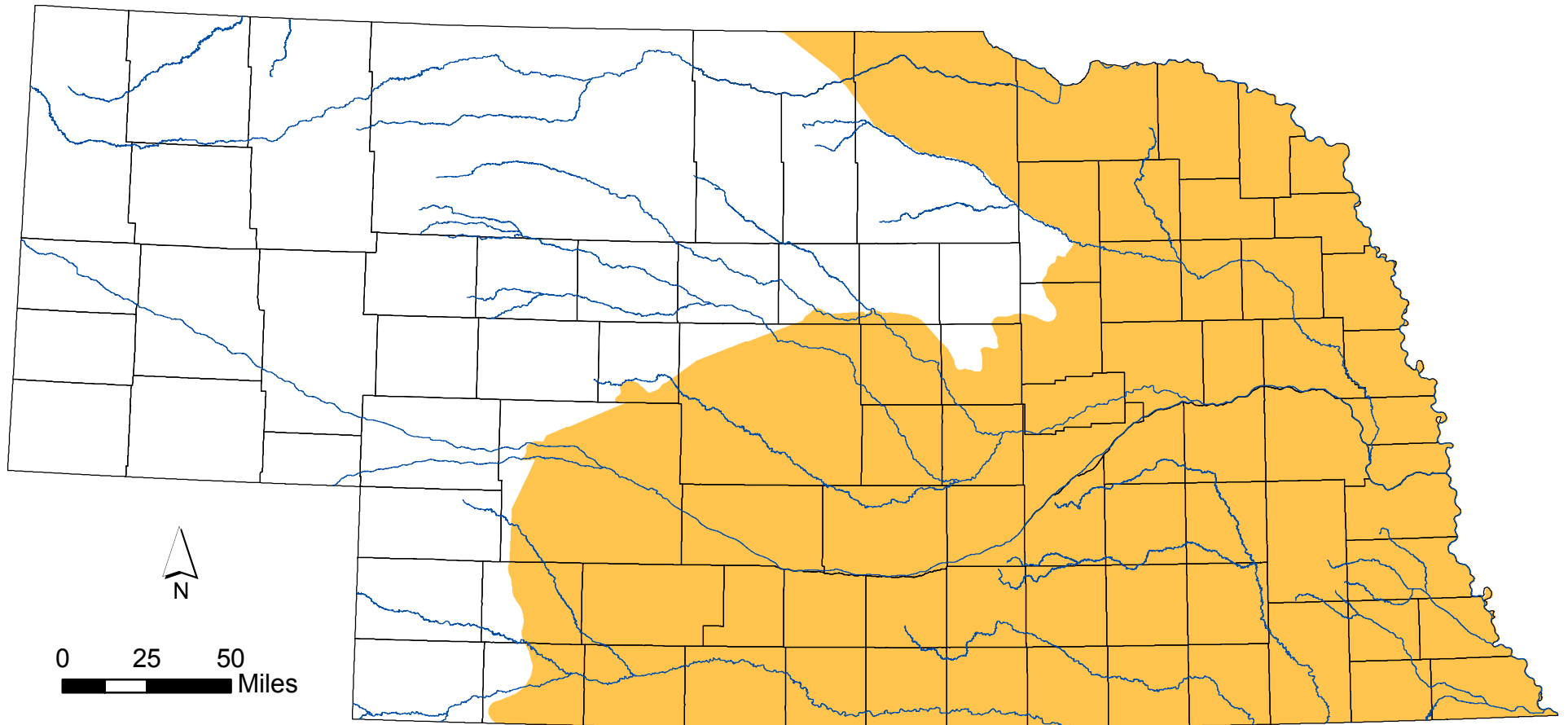
Presence

-  Known or Very Likely
-  Potential





Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Eastern Pondweed Aquatic Wetland



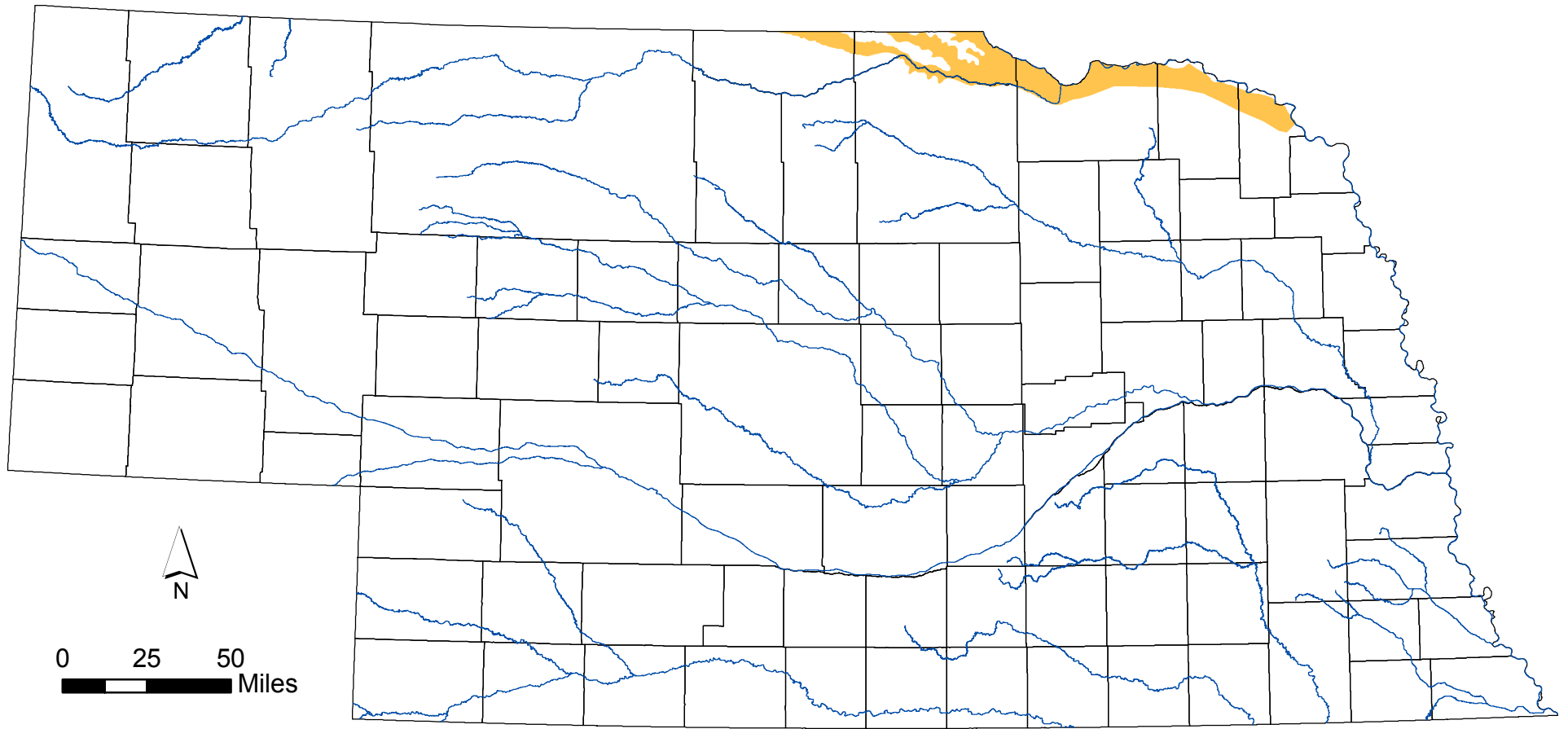
Presence

-  Known or Very Likely
-  Potential




Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014

Range of Northern Loess/Shale Bluff Prairie



Presence

 Known or Very Likely

 Potential



Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2014