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Range maps for Nebraska's Threatened and Endangered Species

Nebraska Natural Heritage Program
Nebraska Game and Parks Commission

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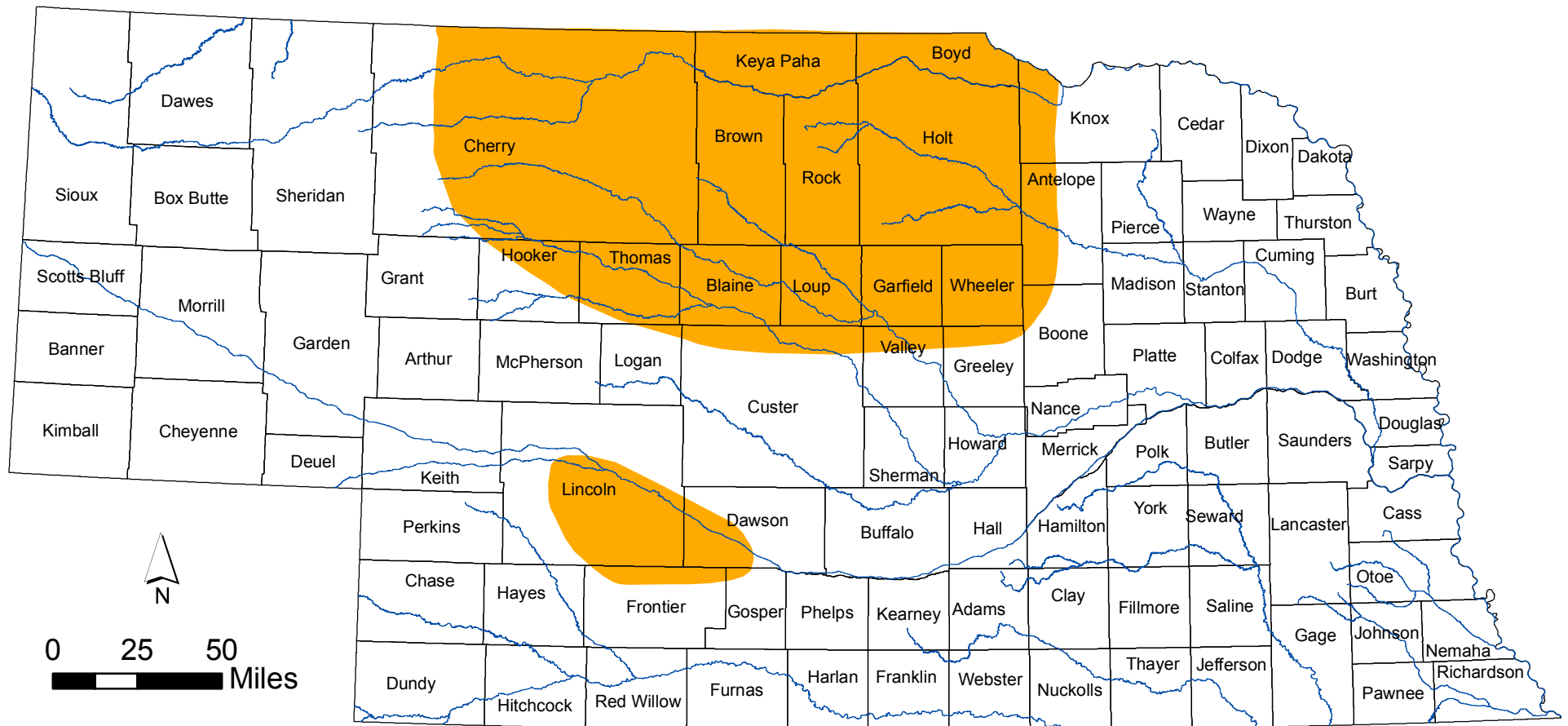


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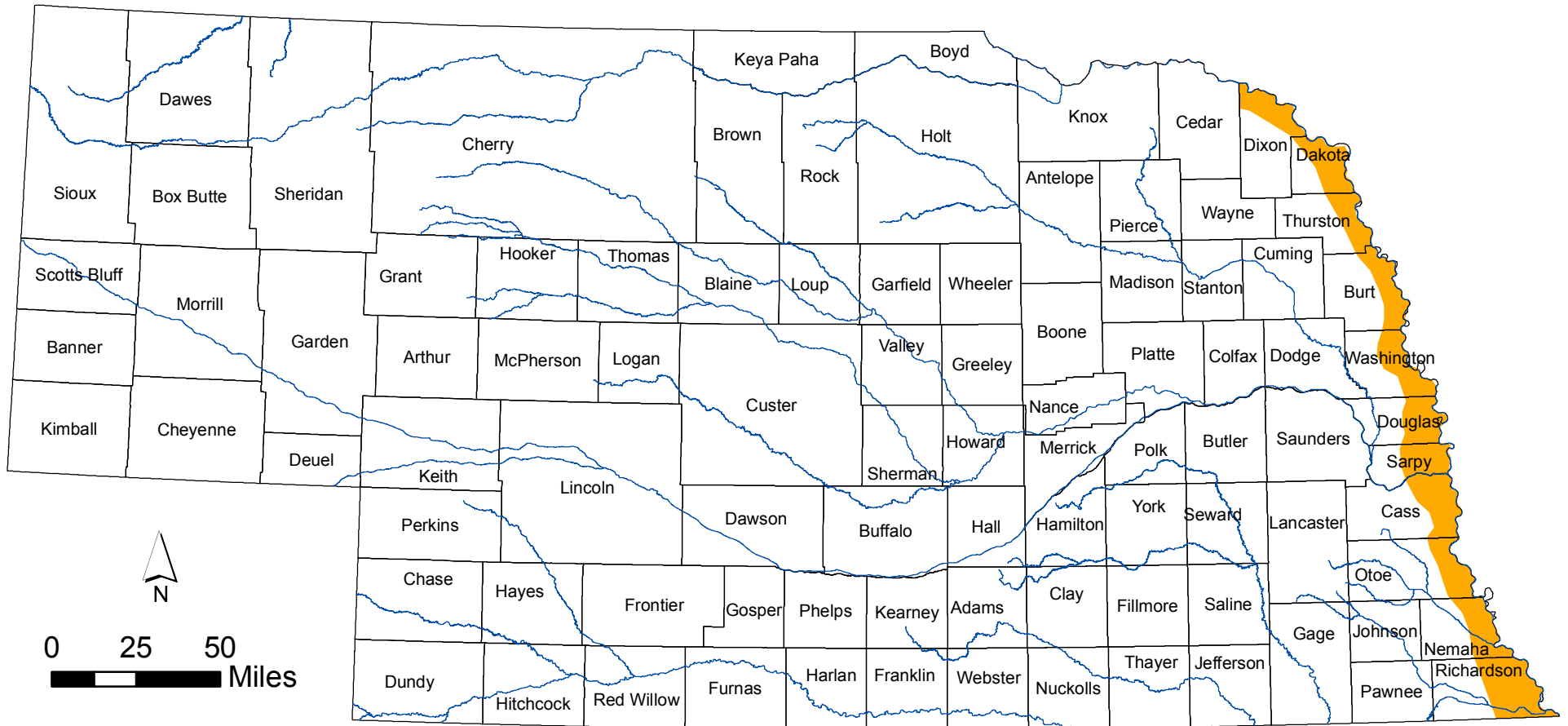
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Estimated Current Range of American Burying Beetle (*Nicrophorus americanus*)



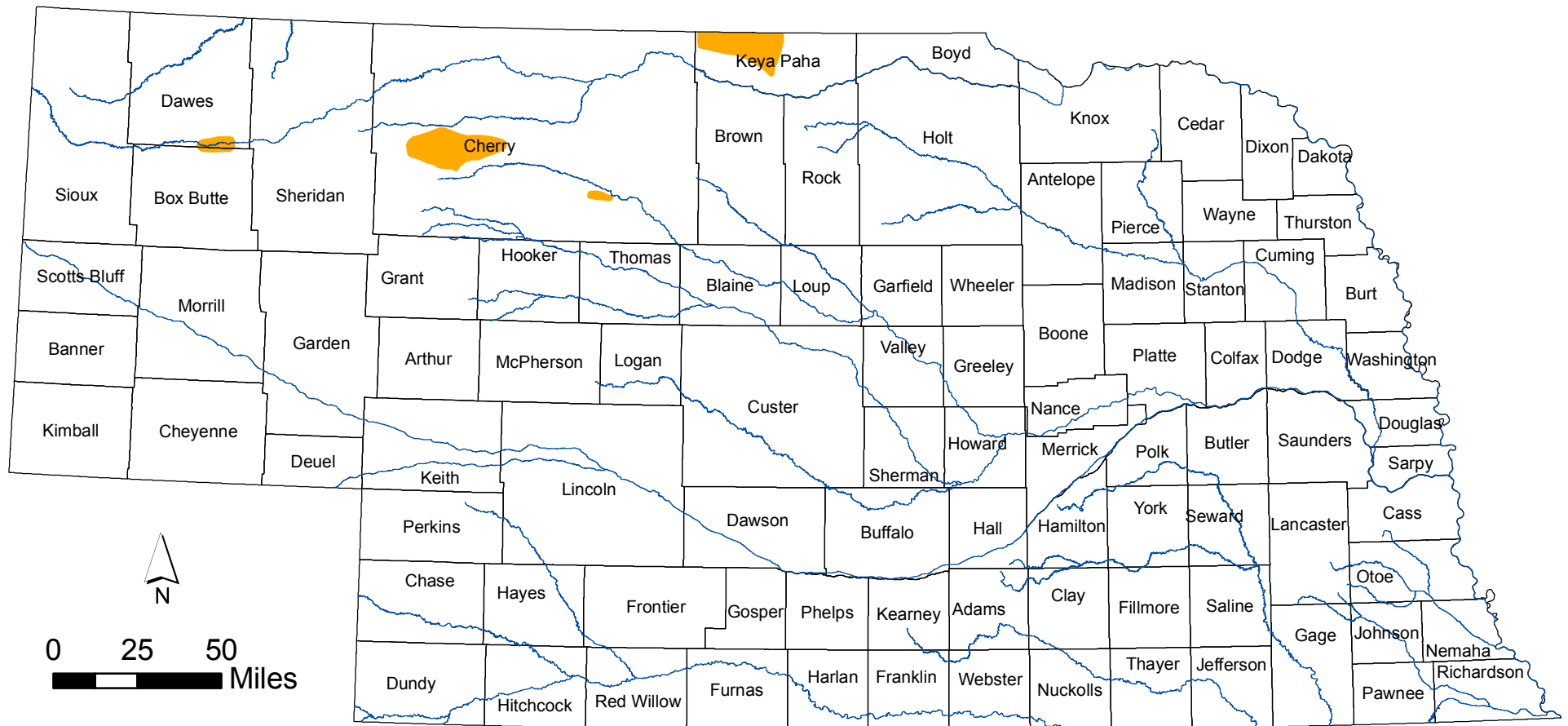
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
September 2011

Estimated Current Range of American Ginseng (*Panax quinquefolium*)



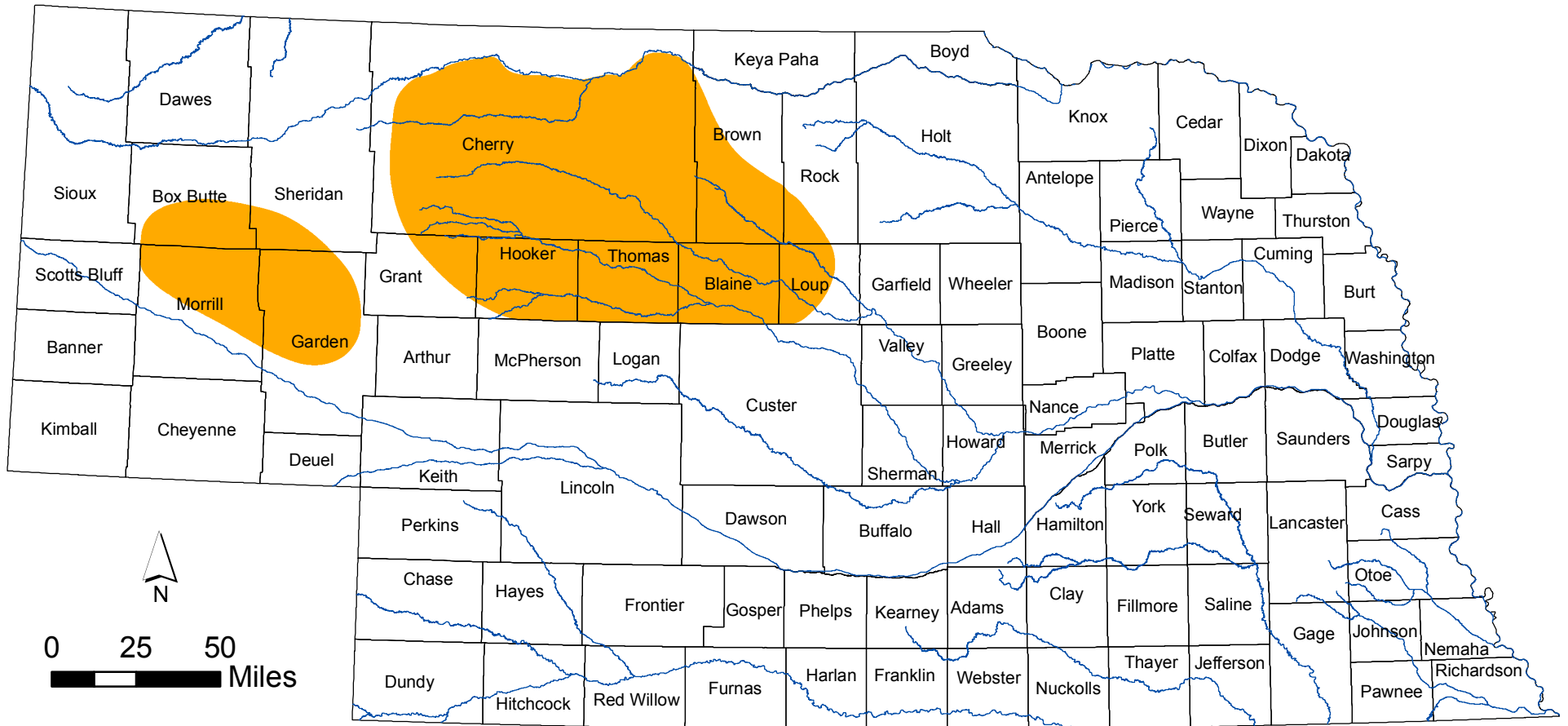
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Blacknose Shiner (*Notropis heterolepis*)



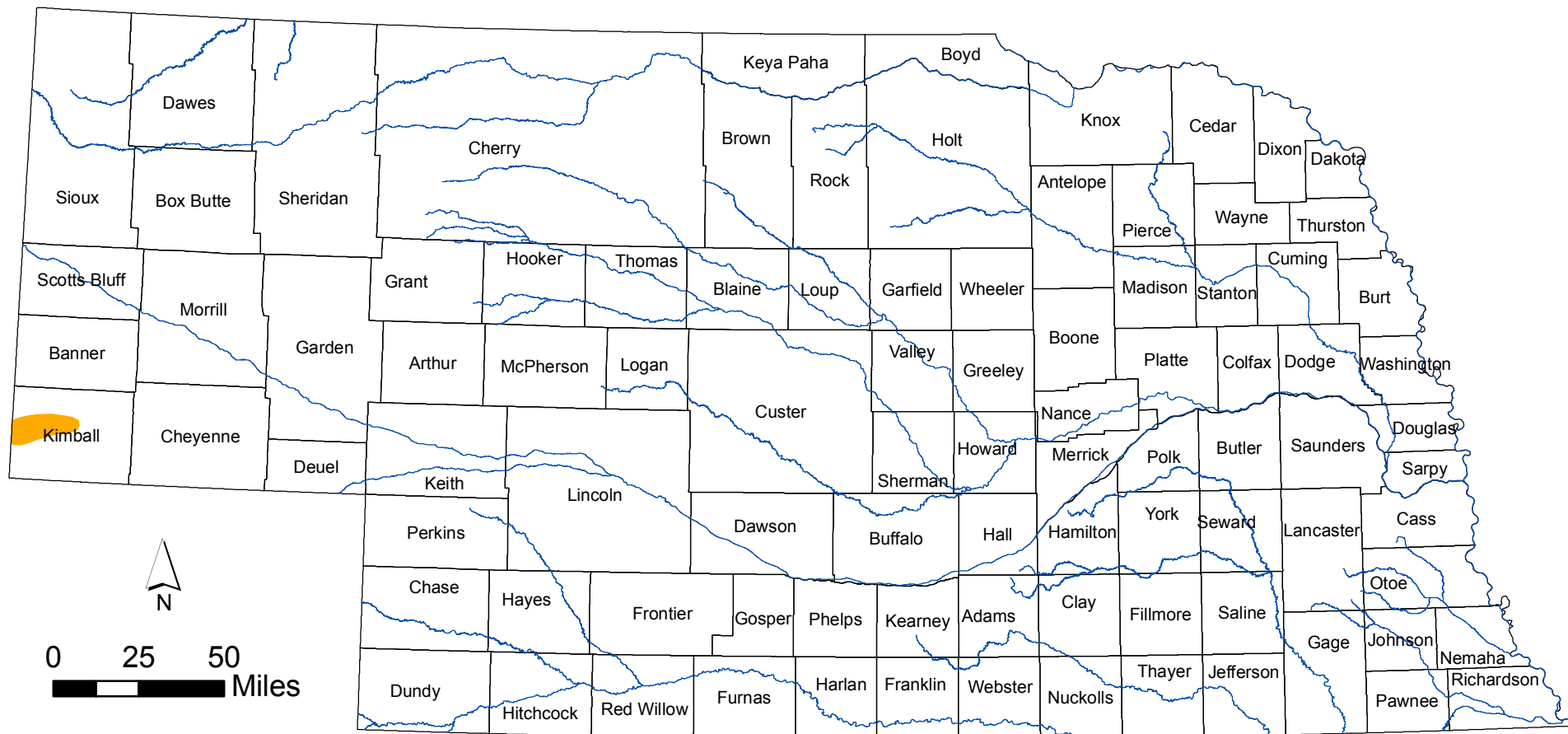
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Blowout Penstemon (*Penstemon haydenii*)



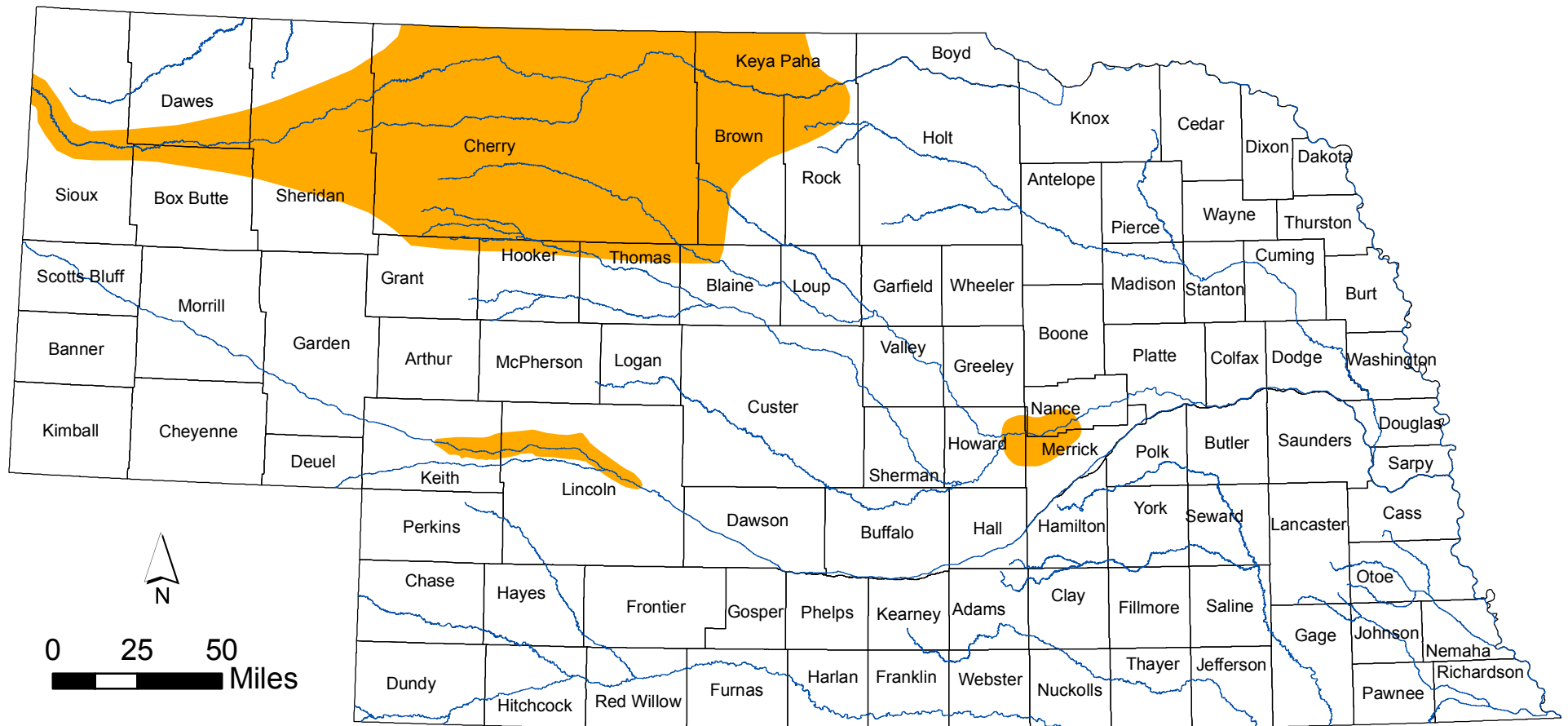
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Colorado Butterfly Plant (*Gaura neomexicana* ssp. *coloradensis*)



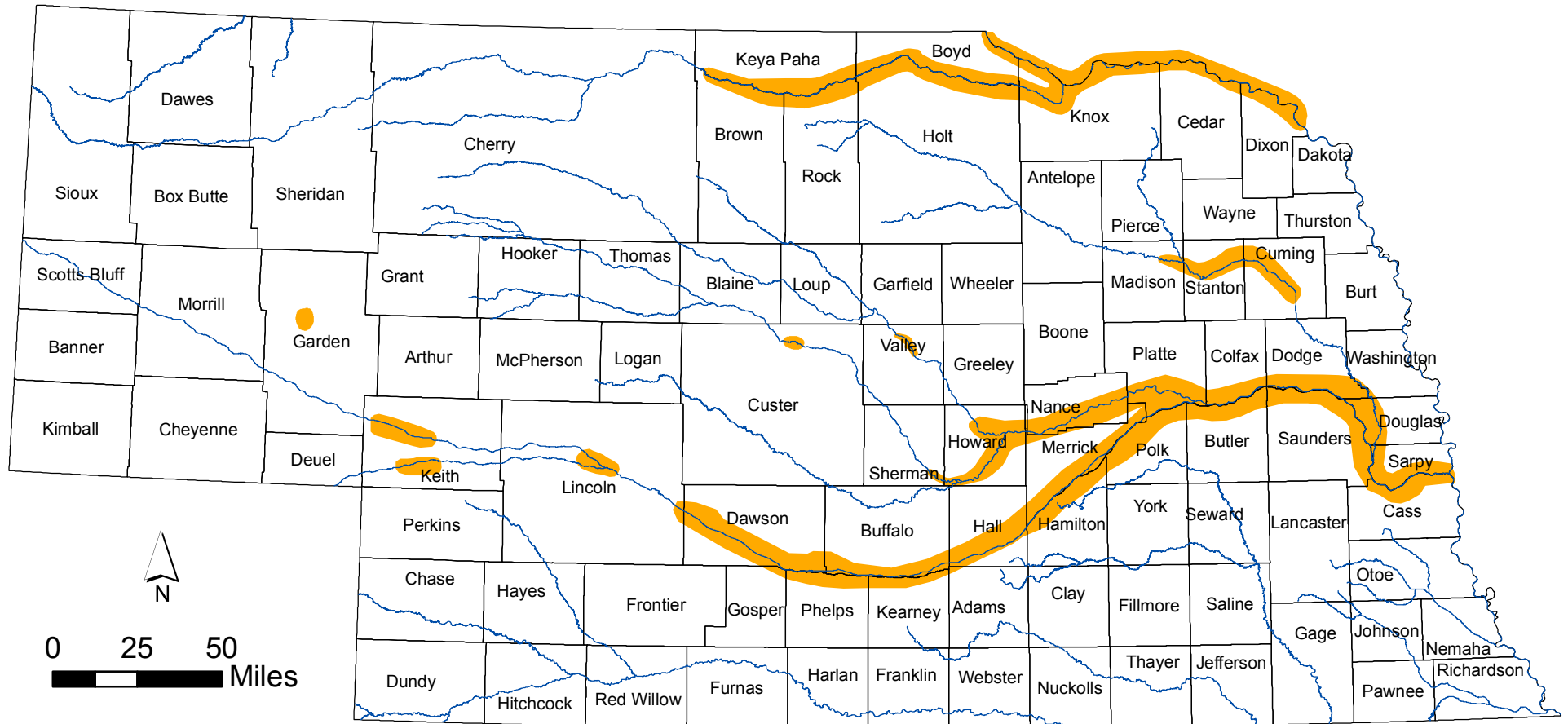
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Finescale Dace (*Phoxinus neogaeus*)



Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
March 2011

Estimated Current Nesting Range of Piping Plover (*Charadrius melodus*) and Interior Least Tern (*Sternula antillarum athalassos*)

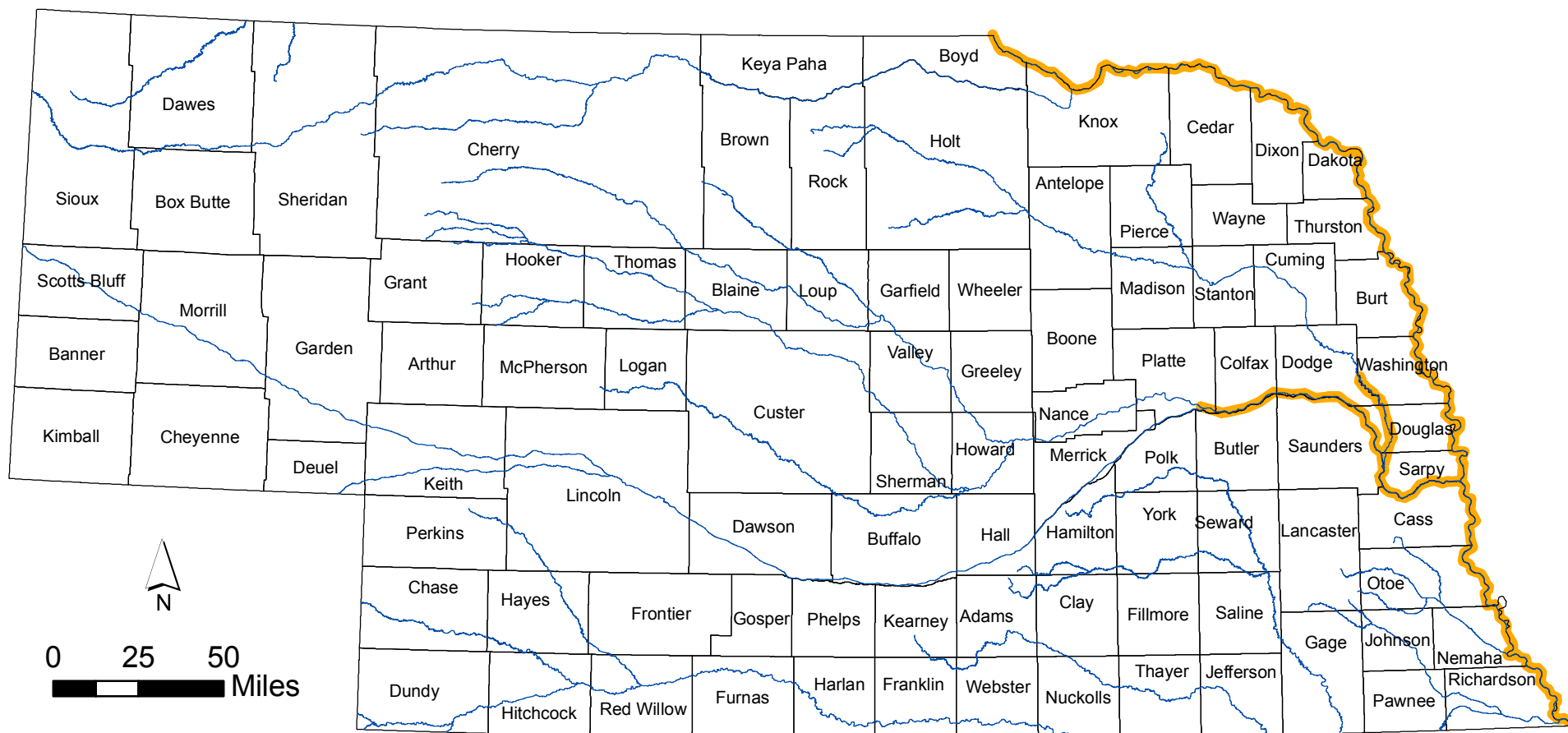


Garden County portion of map pertains to Piping Plover only.

Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
January 2011

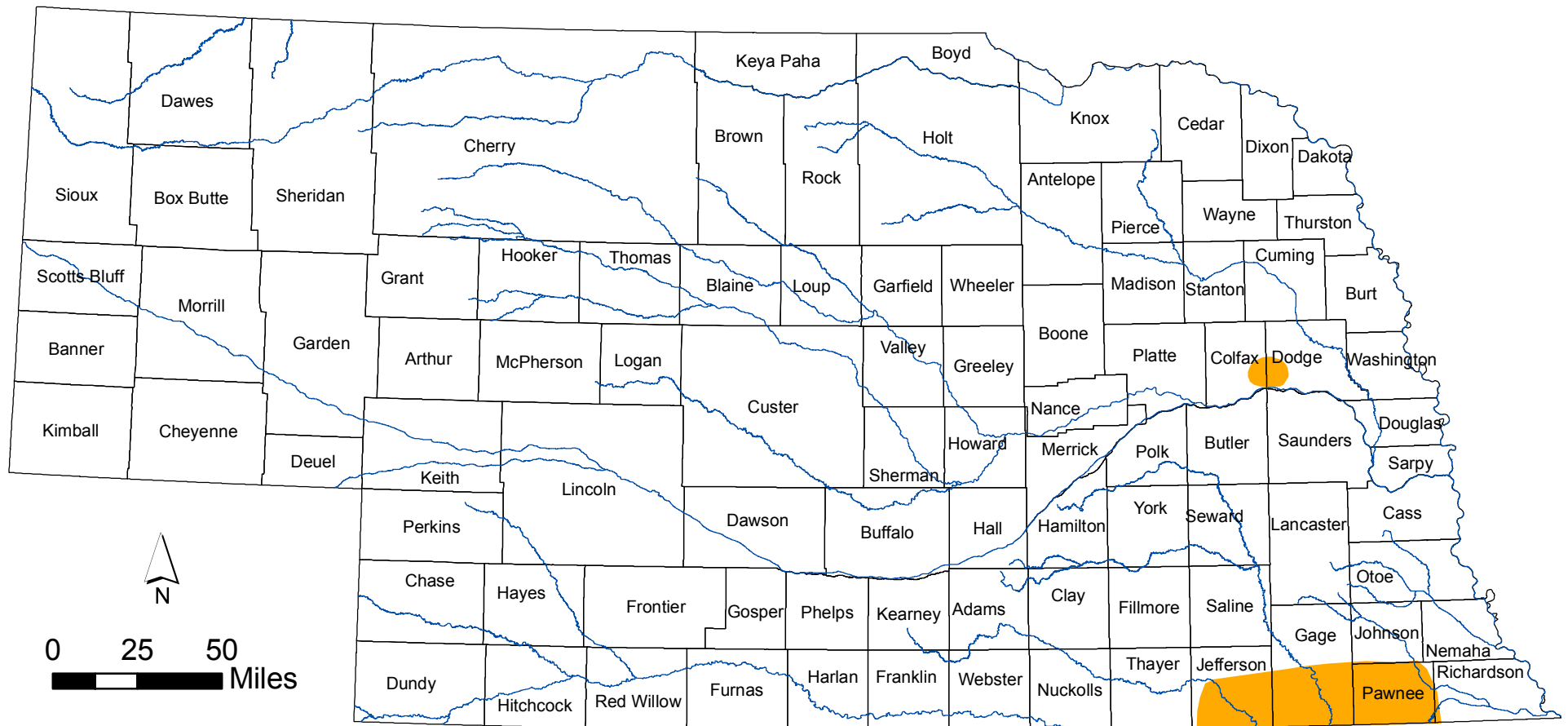


Estimated Current Range of Lake Sturgeon (*Acipenser fulvescens*)



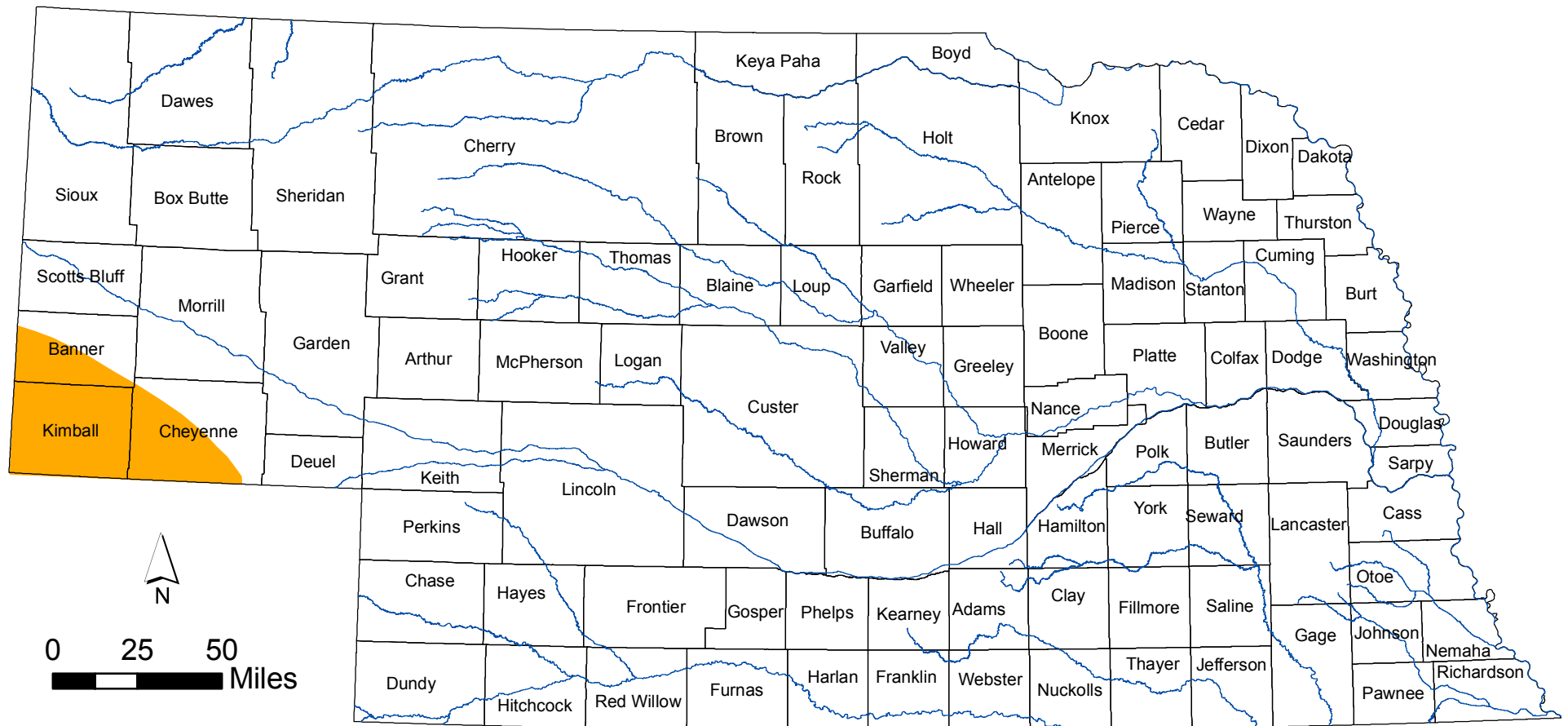
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Massasauga (*Sistrurus catenatus*)



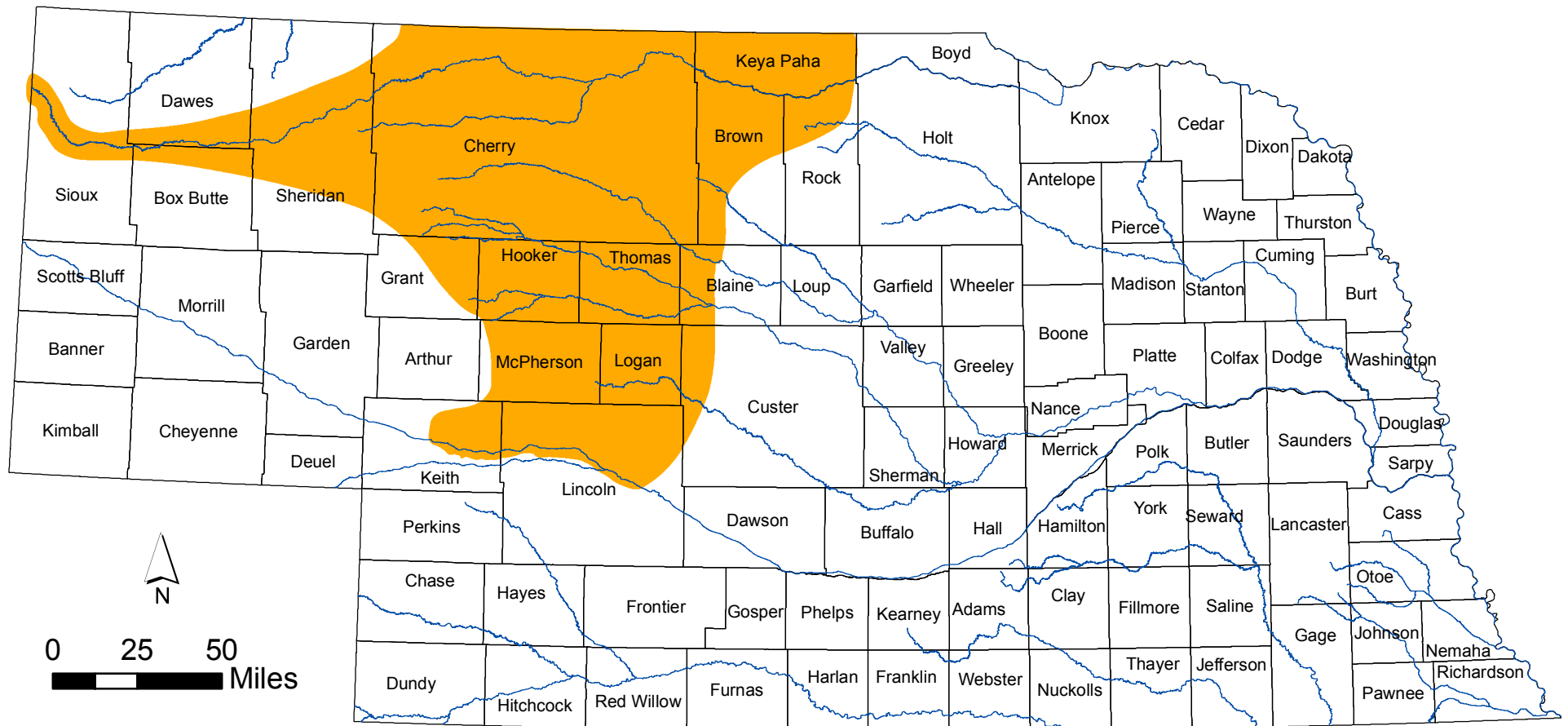
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Mountain Plover (*Charadrius montanus*)



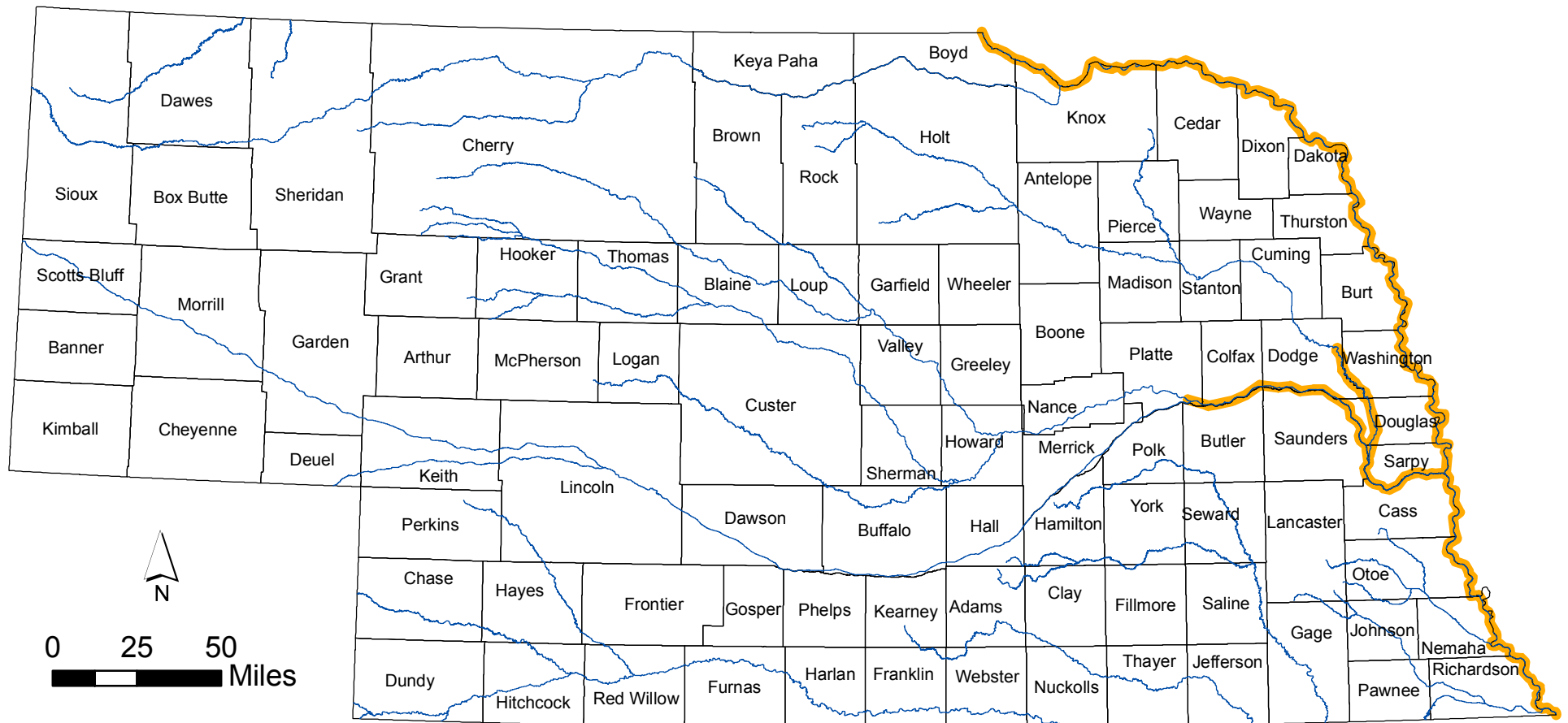
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Northern Redbelly Dace (*Phoxinus eos*)



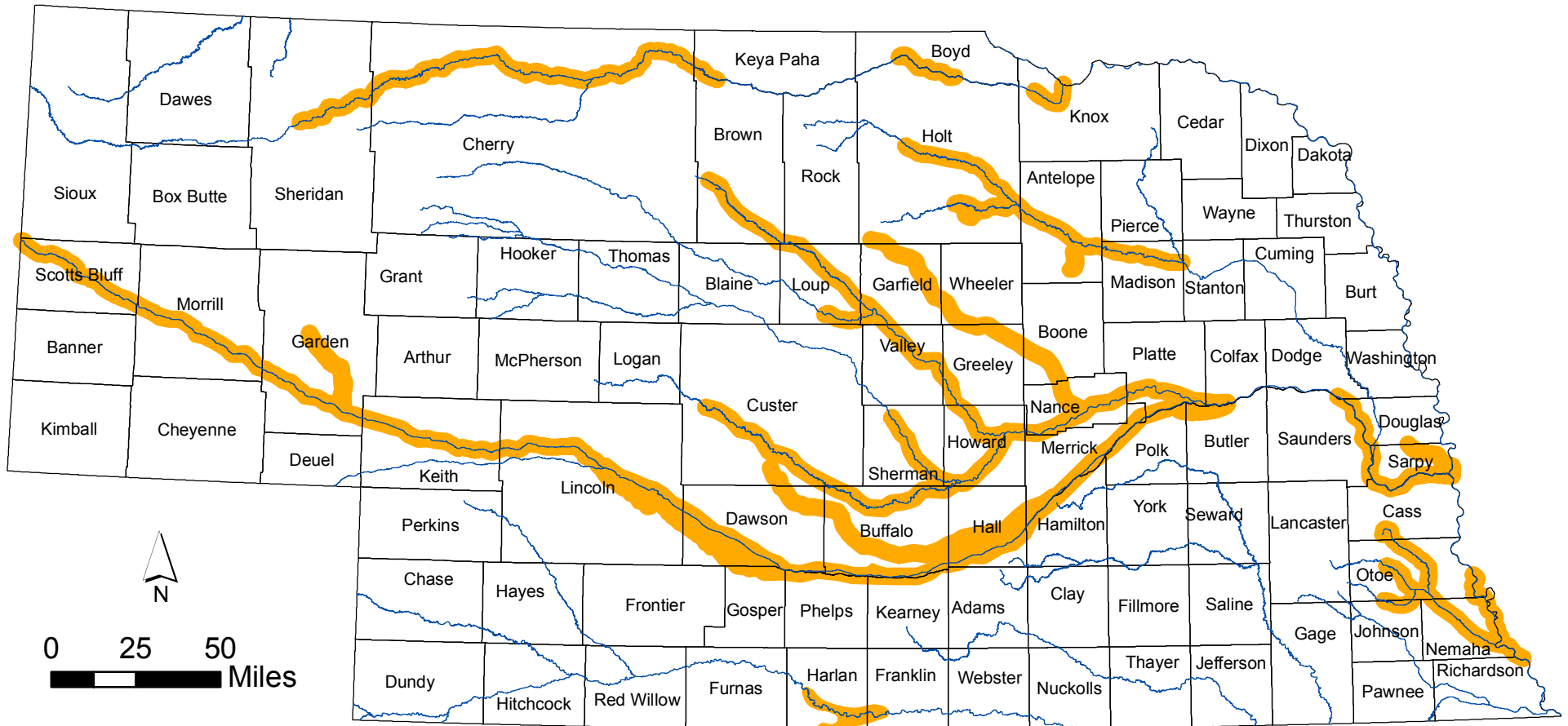
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
March 2011

Estimated Current Range of Pallid Sturgeon (*Scaphirhynchus albus*)



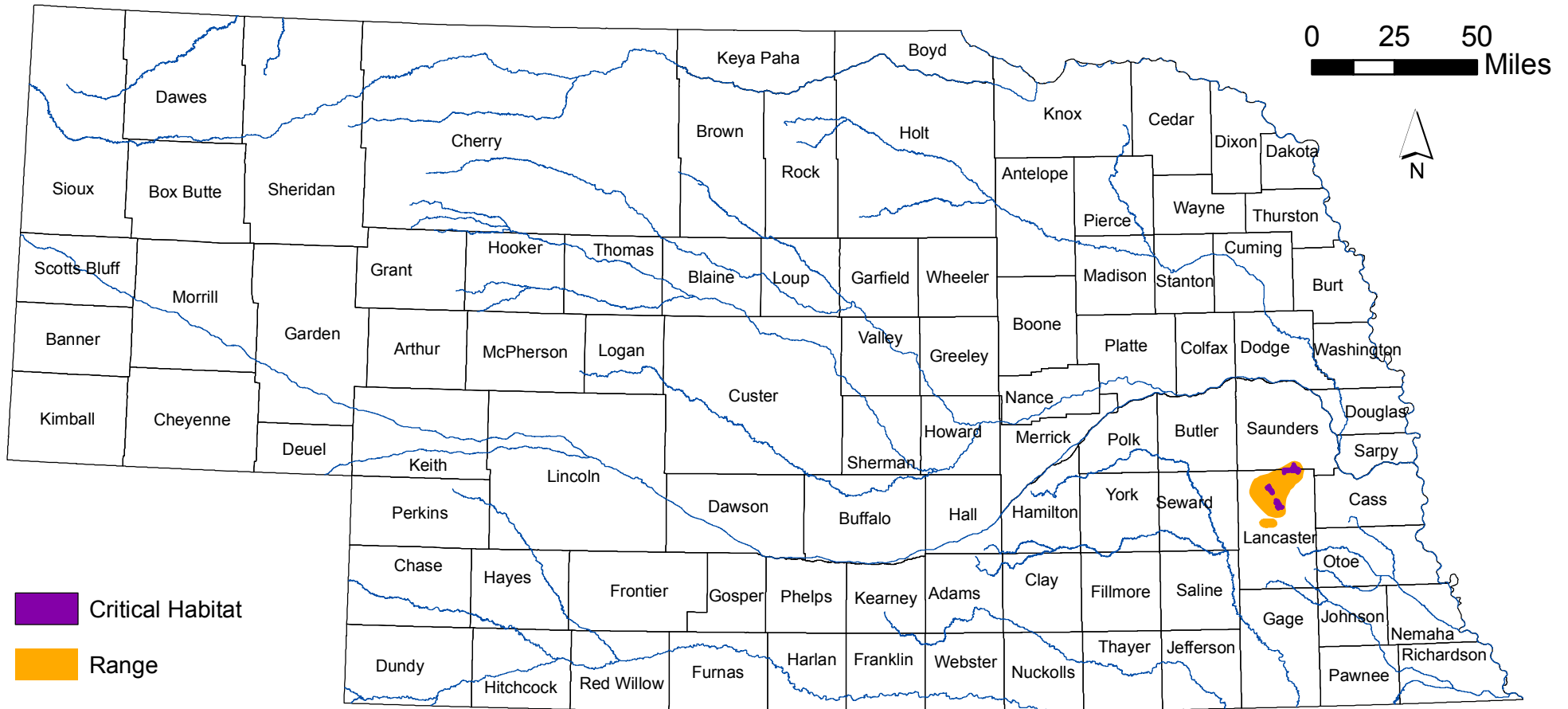
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of River Otter (*Lutra canadensis*)



Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
March 2011

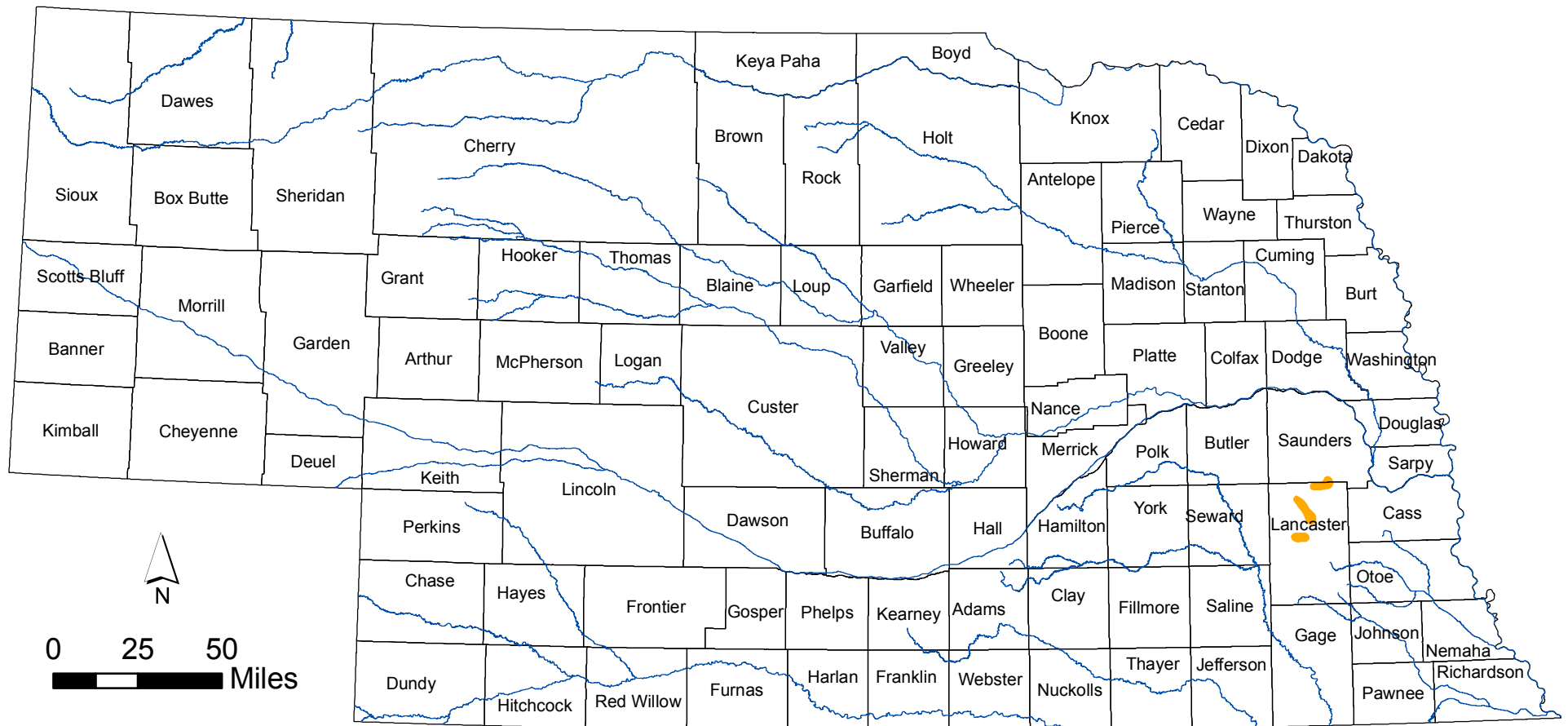
Estimated Current Range of Salt Creek Tiger Beetle (*Cicindela nevadica lincolni*)



In addition to the range of Salt Creek Tiger Beetle, this map shows federally designated areas of Critical Habitat for Salt Creek Tiger Beetle. Critical Habitat areas are considered essential for the conservation of a listed species. Data source: U.S. Fish and Wildlife Service, Nebraska Ecological Services Field Office. Salt Creek Tiger Beetle critical habitat. Vector digital data. Published April 6, 2010.

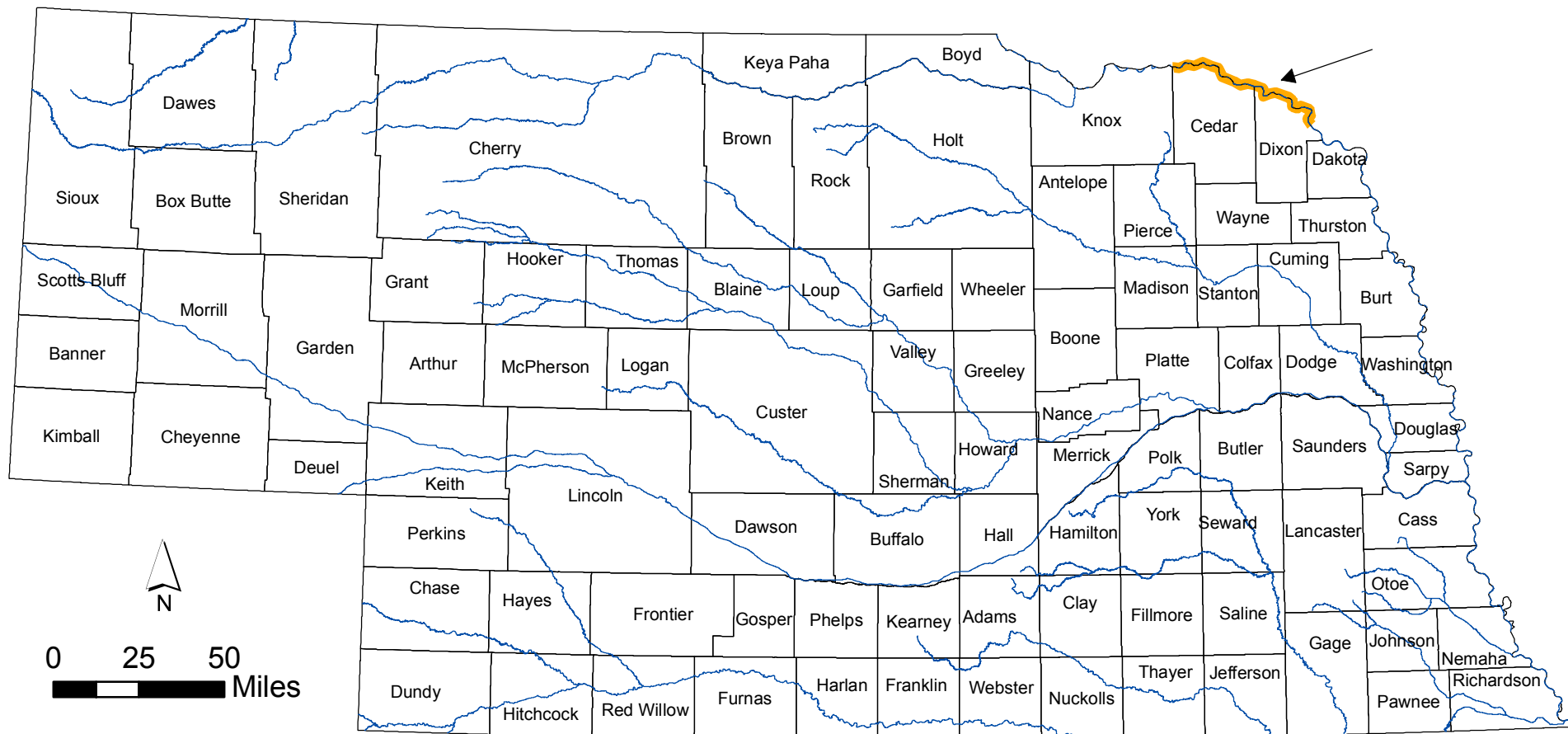
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Saltwort (*Salicornia rubra*)



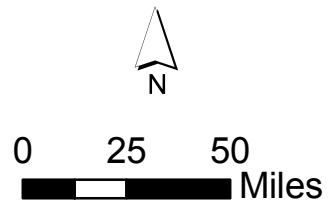
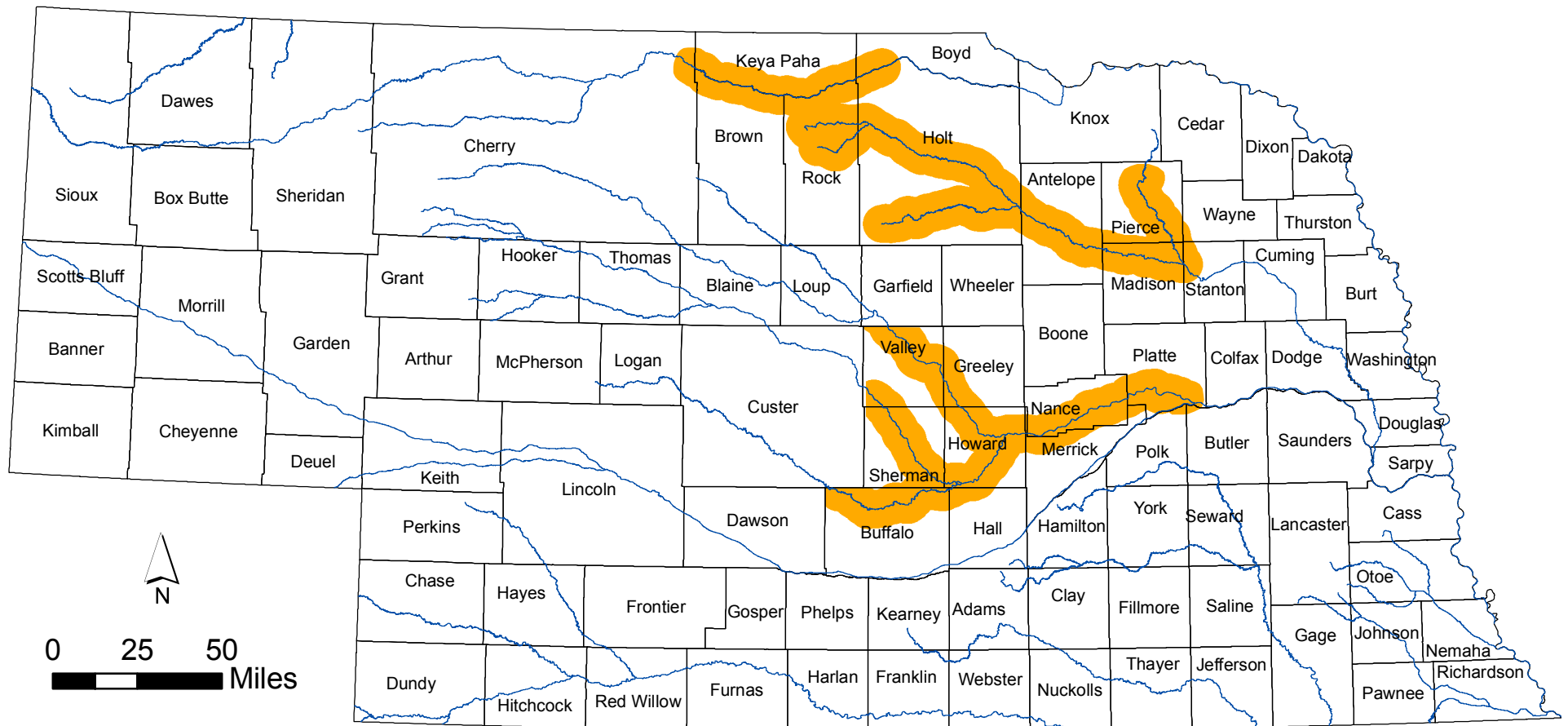
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Scaleshell Mussel (*Leptodea leptodon*)



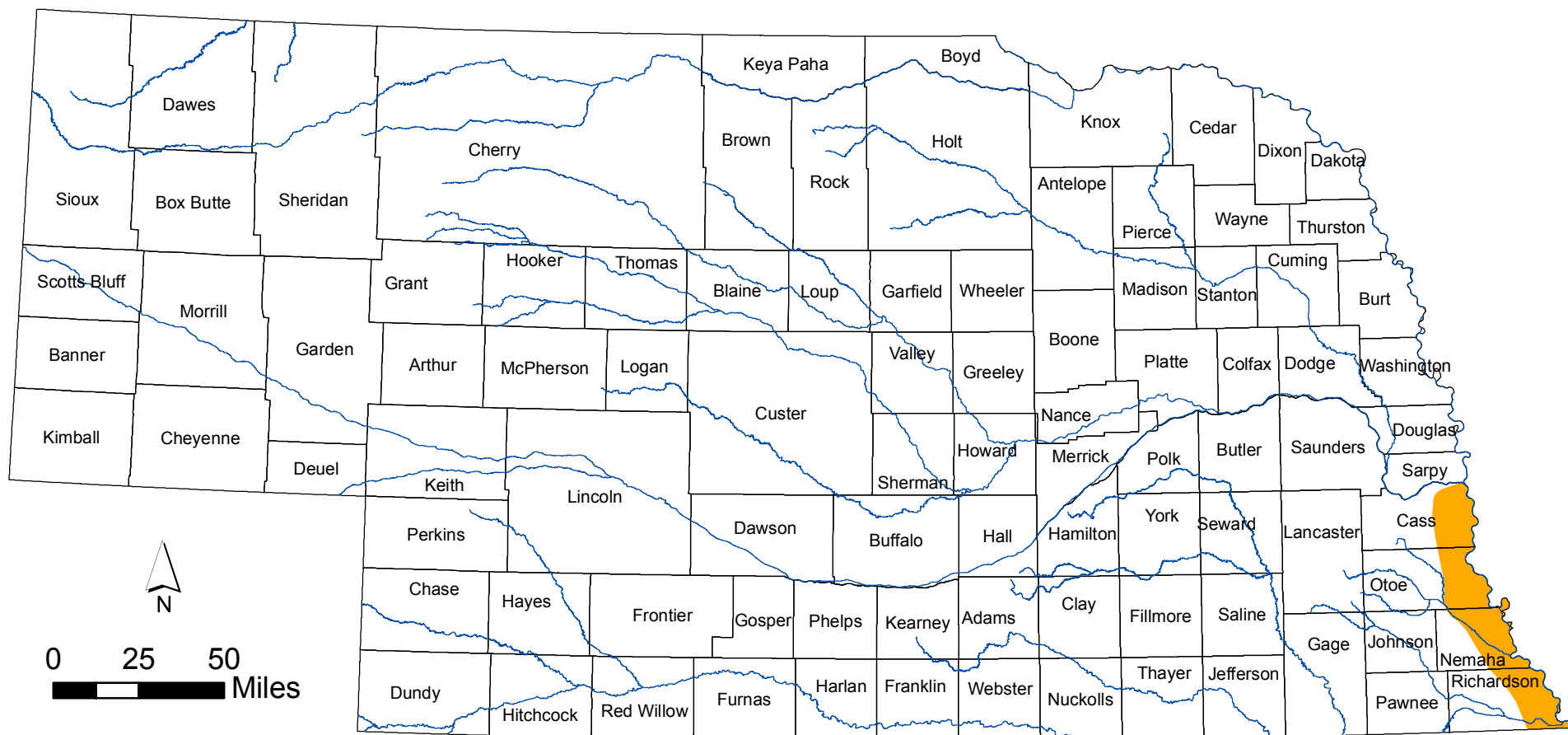
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Small White Lady's Slipper (*Cypripedium candidum*)



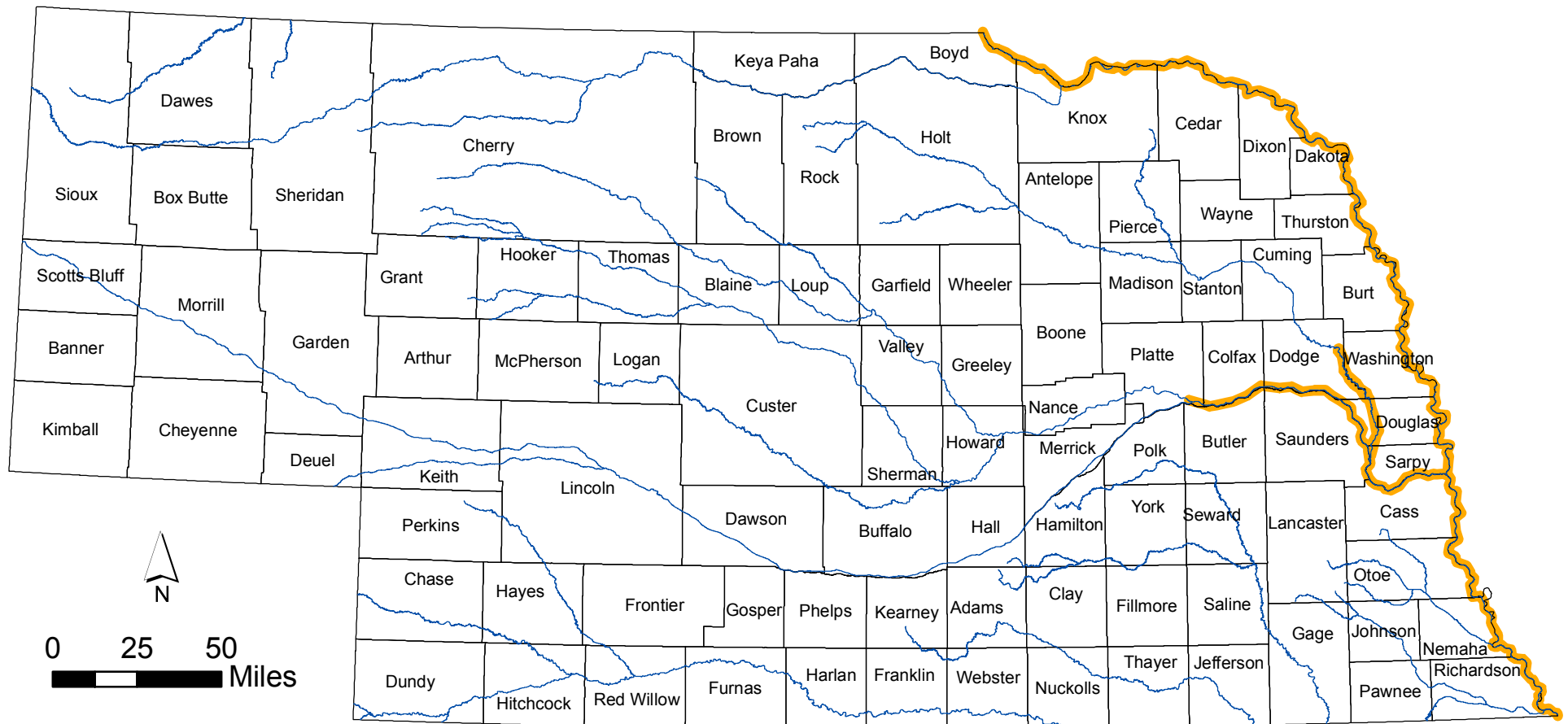
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
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Estimated Current Range of Southern Flying Squirrel (*Glaucomys volans*)



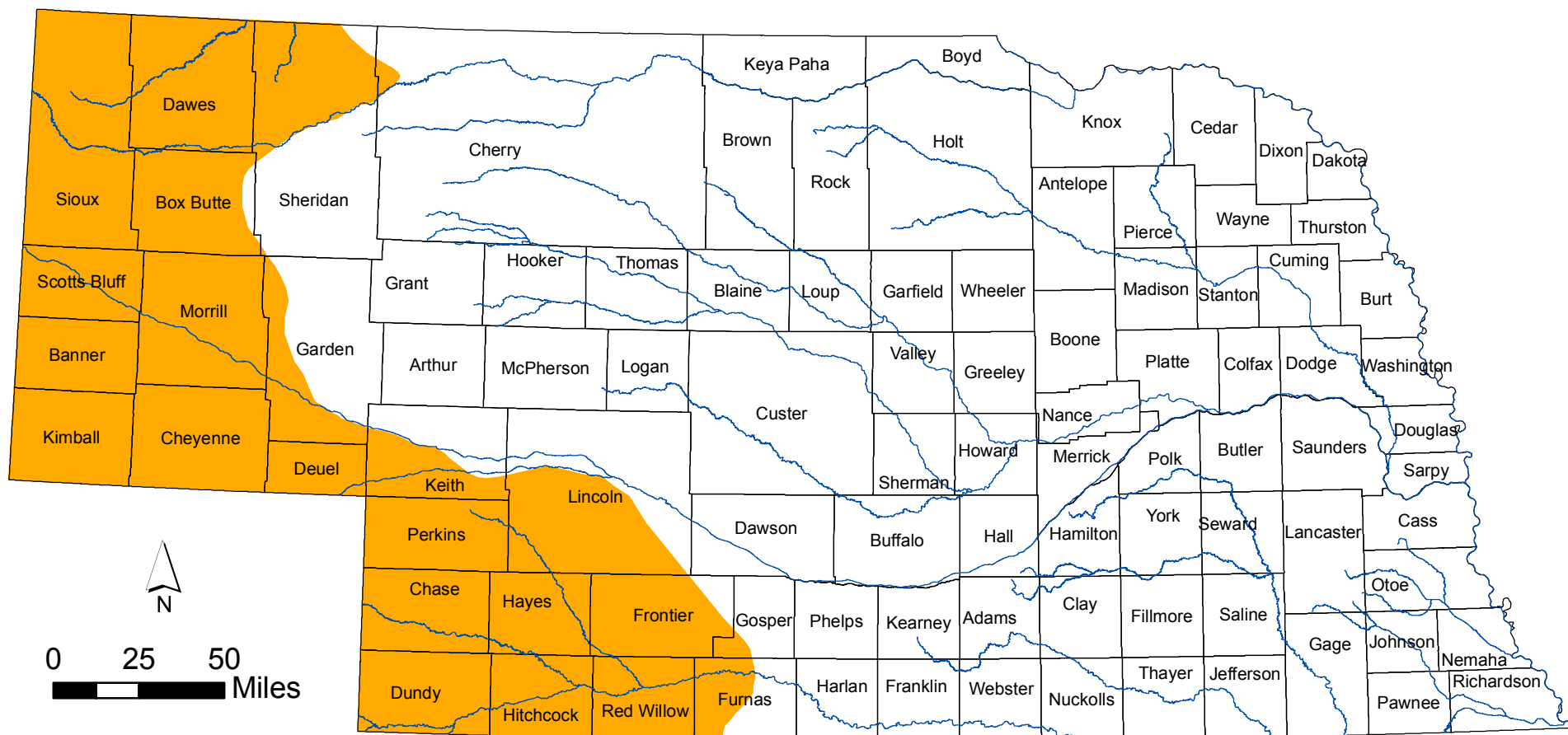
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Sturgeon Chub (*Macrhybopsis gelida*)



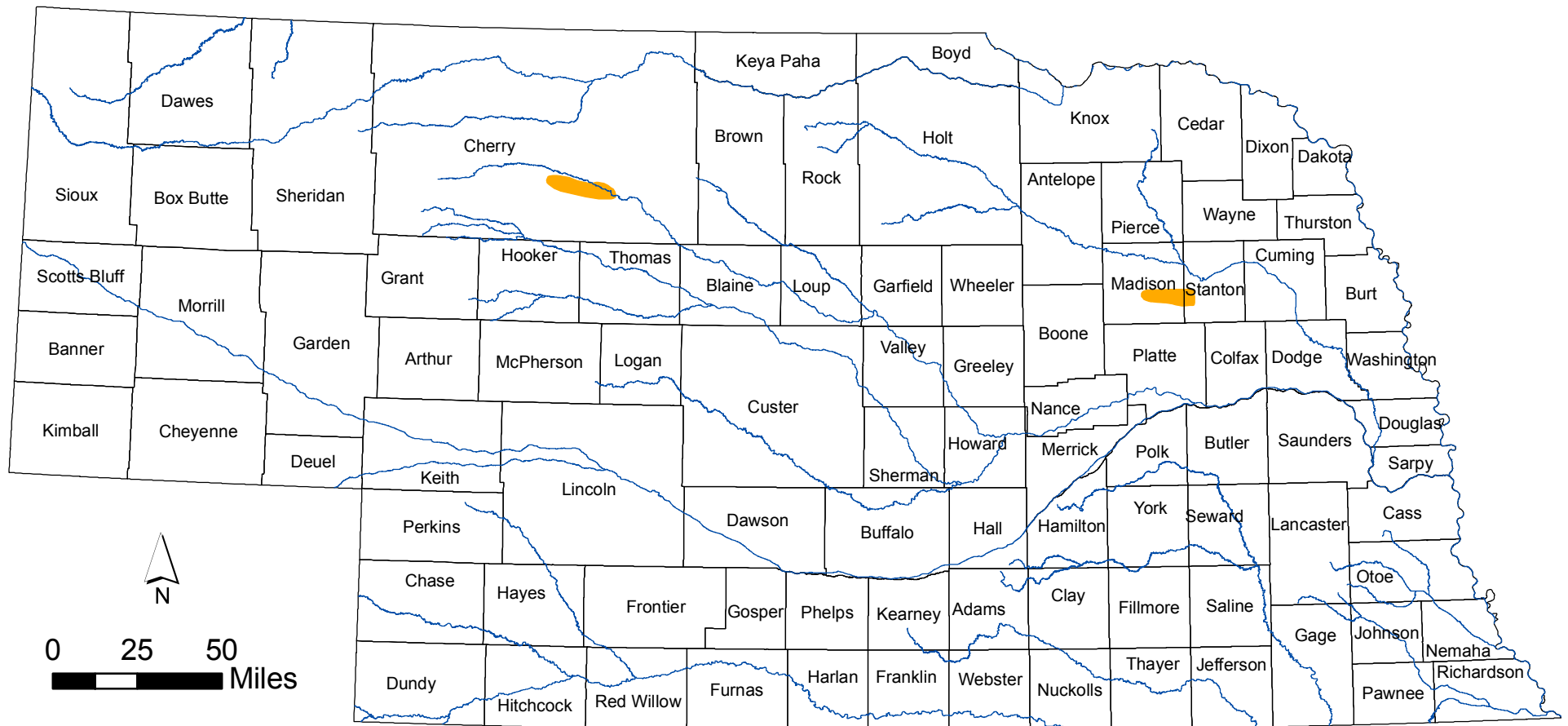
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Swift Fox (*Vulpes velox*)



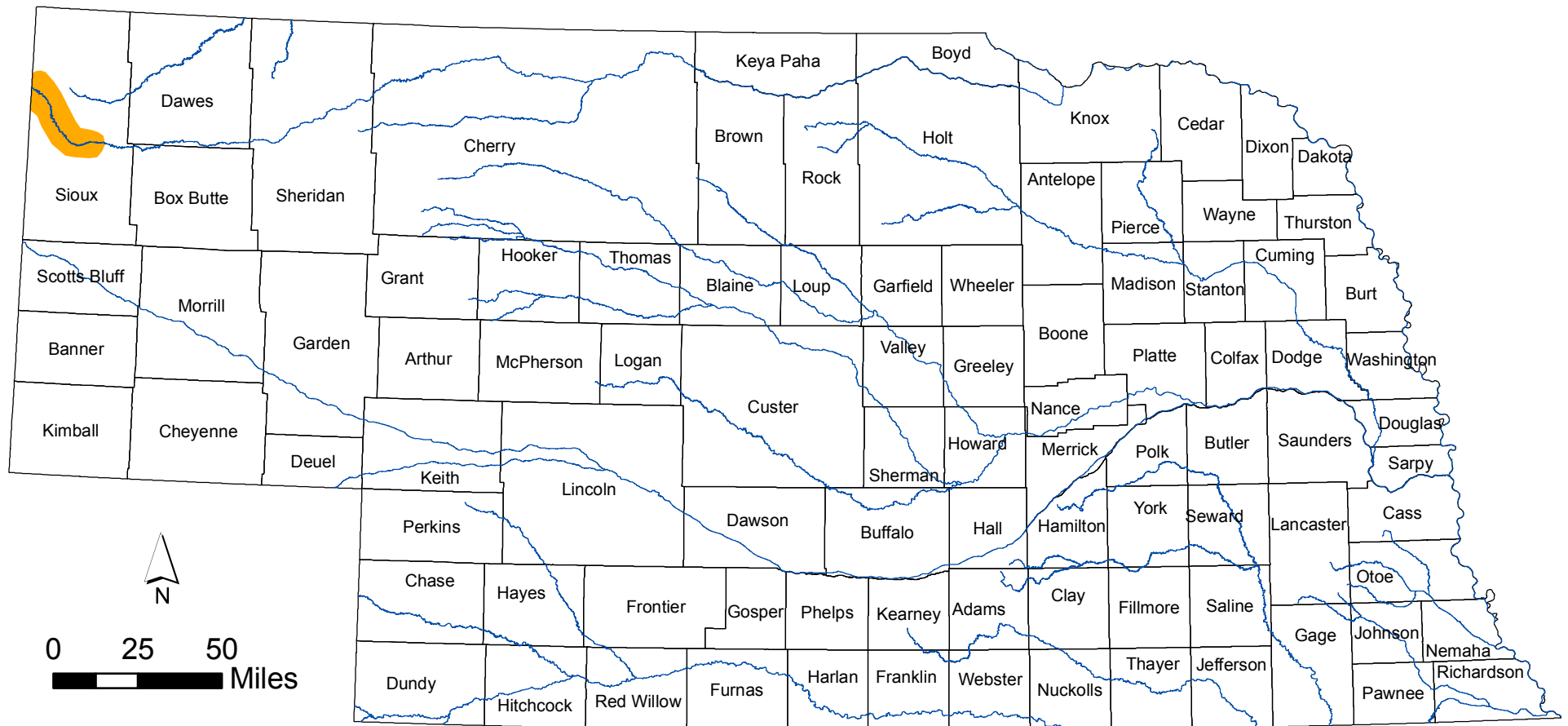
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Topeka Shiner (*Notropis topeka*)



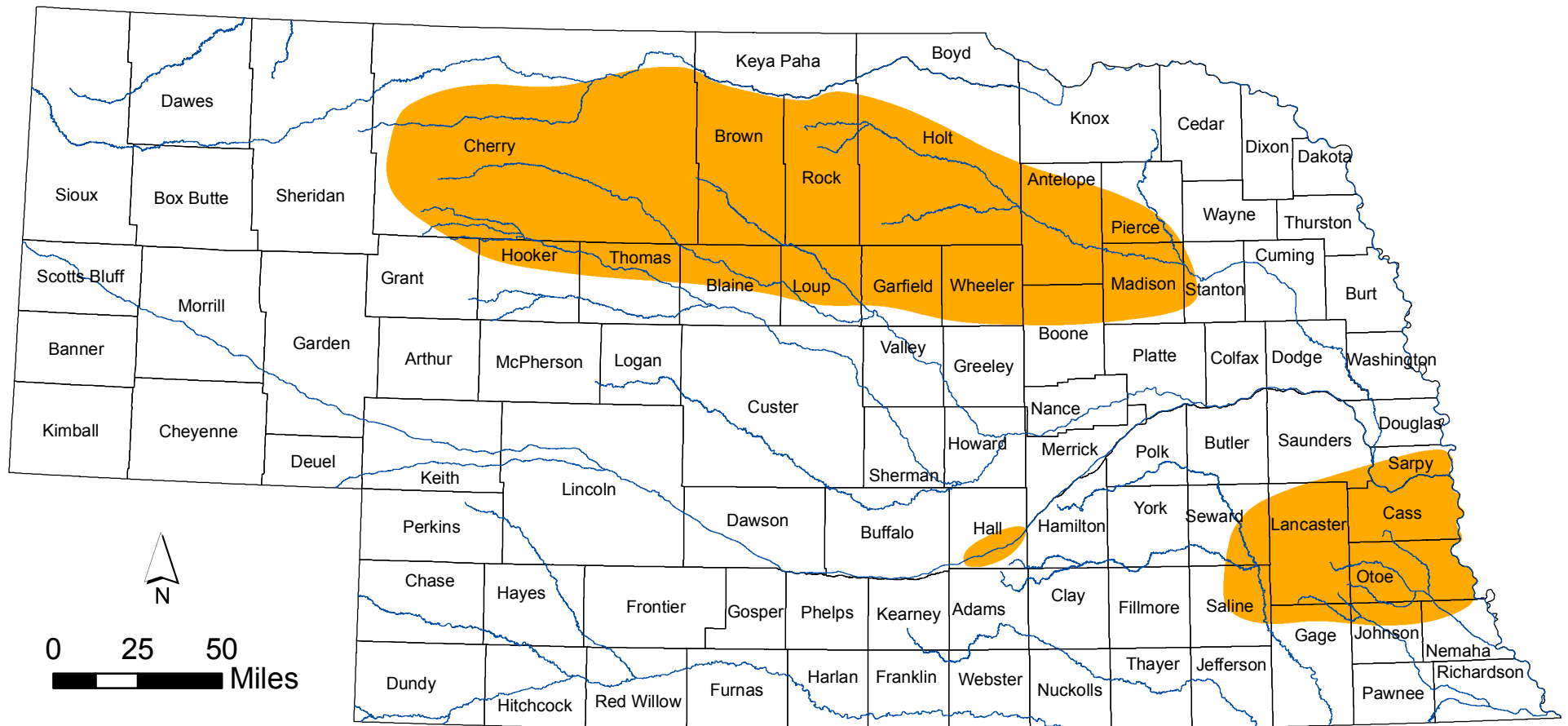
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
March 2011

Estimated Current Range of Ute Ladies'-tresses (*Spiranthes diluvialis*)



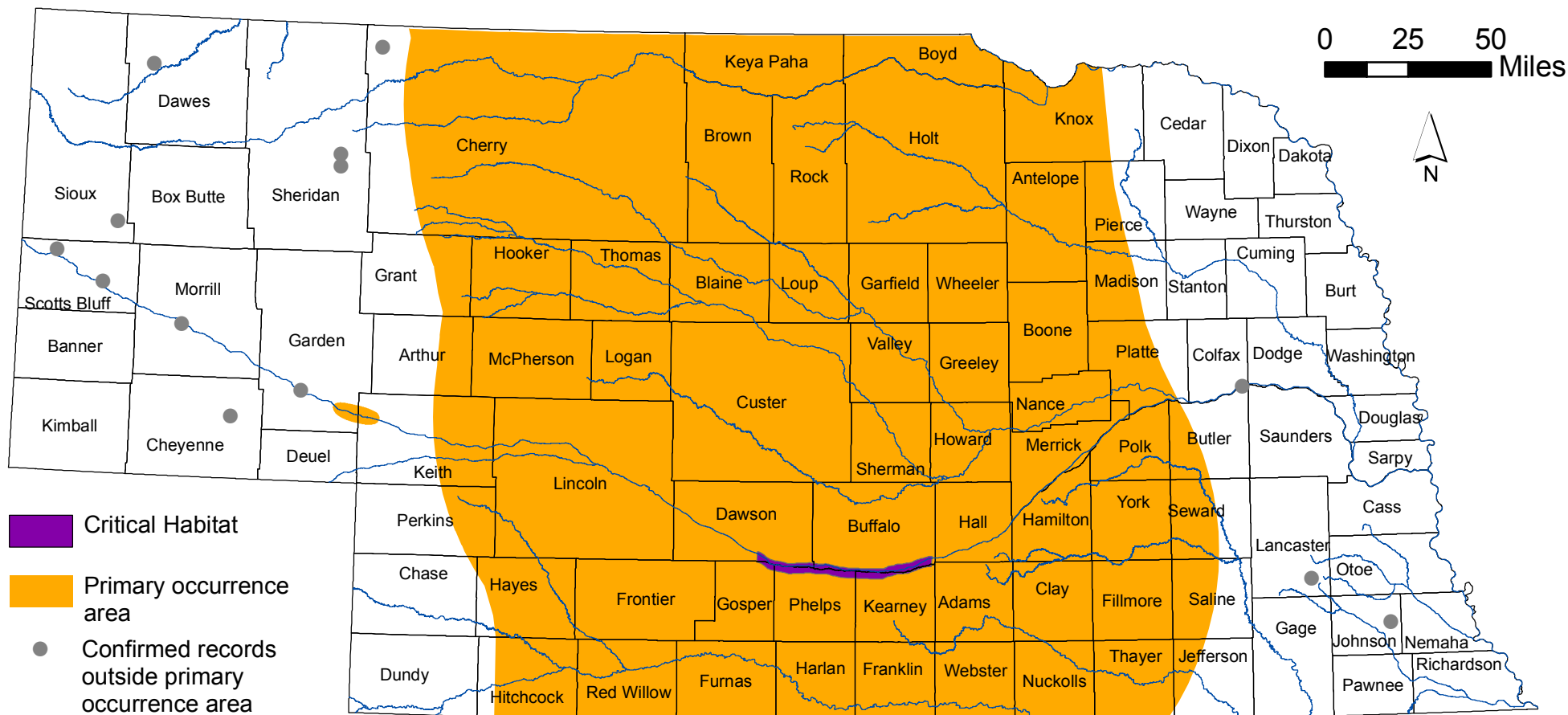
Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Estimated Current Range of Western Prairie Fringed Orchid (*Platanthera praeclara*)



Nebraska Natural Heritage Program,
Nebraska Game and Parks Commission
May 2011

Whooping Crane (*Grus americana*): Migration Use Area and USFWS-designated Critical Habitat



The primary occurrence area is a modification of the area identified by the U.S. Fish and Wildlife Service (USFWS) as encompassing 95% of documented Whooping Crane migratory stopovers between 1975 and 2007. The modification consisted of incorporating additional locations known to have repeated use. Data source: USFWS. State-specific Nebraska flyway for Whooping Crane. Vector digital data Unpublished shapefile received October 27, 2008 from USFWS, Region 6, Grand Island, NE.

Critical Habitat areas are considered essential for the conservation of a listed species. Data source: U.S. Fish and Wildlife Service, Region 2. 2003. Whooping Crane critical habitat. Vector digital data. Downloaded October 29, 2008 from <http://crithab.fws.gov>.

Confirmed records are current through Fall 2010 (Source: USFWS, Region 6).

Map produced by the Nebraska Natural Heritage Program, Nebraska Game and Parks Commission, July 6, 2011.



Estimated Current Ranges of Threatened and Endangered Species: List of Species by County
Nebraska Natural Heritage Program
Nebraska Game and Parks Commission
Version: September 2011

This table of species by county is based on the data product "Range maps for listed species in Nebraska, compiled and edited by the Nebraska Natural Heritage Program, September 2011." The map product was based on documented occurrences of listed species and expert knowledge about the distribution of species and suitable habitat. For a given county-species combination, the range of the given species covers some portion of the county (from all to very little). The individual species range map would need to be reviewed to determine if a particular location within the county is within the species's range. Because range maps are by their nature approximate, a given county-species combination was excluded from this table if the area covered was very small (less than 20 square kilometers). Included in the list are all federal and state listed species. Species Status: FE=Federal Endangered, FT=Federal Threatened,

| County | Common Name | Scientific Name | Status |
|-----------|--------------------------------|---------------------------------------|--------|
| Adams | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Antelope | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Arthur | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Banner | Mountain Plover | <i>Charadrius montanus</i> | ST |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| Blaine | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Blowout Penstemon | <i>Penstemon haydenii</i> | FE, SE |
| | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Boone | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Box Butte | Blacknose Shiner | <i>Notropis heterolepis</i> | SE |
| | Blowout Penstemon | <i>Penstemon haydenii</i> | FE, SE |
| | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| Boyd | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |

| | | | |
|---------|--------------------------------|--------------------------------|--------|
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Brown | American Burying Beetle | Charadrius melodus | FE, SE |
| | Blowout Penstemon | Penstemon haydenii | FE, SE |
| | Finescale Dace | Phoxinus neogaeus | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Buffalo | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Burt | American Ginseng | Panax quinquefolium | ST |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| Butler | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Cass | American Ginseng | Panax quinquefolium | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Southern Flying Squirrel | Glaucomys volans | ST |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| Cedar | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | Scaleshell Mussel | Leptodea leptodon | FE, SE |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| Chase | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Cherry | American Burying Beetle | Charadrius melodus | FE, SE |
| | Blacknose Shiner | Notropis heterolepis | SE |
| | Blowout Penstemon | Penstemon haydenii | FE, SE |
| | Finescale Dace | Phoxinus neogaeus | ST |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | River Otter | Lutra canadensis | ST |

| | | | |
|----------|--------------------------------|--------------------------------|--------|
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Swift Fox | Vulpes velox | SE |
| | Topeka Shiner | Notropis topeka | FE, SE |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Cheyenne | Mountain Plover | Charadrius montanus | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Clay | Whooping Crane | Grus americana | FE, SE |
| Colfax | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Massasauga | Sistrurus catenatus | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Cumming | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| Custer | American Burying Beetle | Charadrius melodus | FE, SE |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Dakota | American Ginseng | Panax quinquefolium | ST |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| Dawes | Blacknose Shiner | Notropis heterolepis | SE |
| | Finescale Dace | Phoxinus neogaeus | ST |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Dawson | American Burying Beetle | Charadrius melodus | FE, SE |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Deuel | Swift Fox | Vulpes velox | SE |
| Dixon | American Ginseng | Panax quinquefolium | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | Scaleshell Mussel | Leptodea leptodon | FE, SE |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| Dodge | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Massasauga | Sistrurus catenatus | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |

| | | | |
|----------|--------------------------------|---------------------------------------|--------|
| Douglas | River Otter | <i>Lutra canadensis</i> | ST |
| | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | American Ginseng | <i>Panax quinquefolium</i> | ST |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| Dundy | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| Fillmore | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Franklin | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Frontier | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Furnas | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Gage | Massasauga | <i>Sistrurus catenatus</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| Garden | Blowout Penstemon | <i>Penstemon haydenii</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Garfield | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Gosper | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Grant | Blowout Penstemon | <i>Penstemon haydenii</i> | FE, SE |
| | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Greeley | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Hall | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Hamilton | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |

| | | | |
|-----------|--------------------------------|---------------------------------------|--------|
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Harlan | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Hayes | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Hitchcock | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Holt | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Hooker | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Blowout Penstemon | <i>Penstemon haydenii</i> | FE, SE |
| | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Howard | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Jefferson | Massasauga | <i>Sistrurus catenatus</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Johnson | Massasauga | <i>Sistrurus catenatus</i> | ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Kearney | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Keith | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Keya Paha | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Blacknose Shiner | <i>Notropis heterolepis</i> | SE |
| | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |

| | | | |
|-----------|--------------------------------|---------------------------------|--------|
| | Whooping Crane | Grus americana | FE, SE |
| Kimball | Colorado Butterfly Plant | Gaura neomexicana ssp. colorado | FT, SE |
| | Mountain Plover | Charadrius montanus | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Knox | American Burying Beetle | Charadrius melodus | FE, SE |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Lancaster | Salt Creek Tiger Beetle | Cicindela nevadica lincolniana | FE, SE |
| | Saltwort | Salicornia rubra | SE |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Lincoln | American Burying Beetle | Charadrius melodus | FE, SE |
| | Finescale Dace | Phoxinus neogaeus | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Logan | American Burying Beetle | Charadrius melodus | FE, SE |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Loup | American Burying Beetle | Charadrius melodus | FE, SE |
| | Blowout Penstemon | Penstemon haydenii | FE, SE |
| | River Otter | Lutra canadensis | ST |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Madison | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Topeka Shiner | Notropis topeka | FE, SE |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| McPherson | Northern Redbelly Dace | Phoxinus eos | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Merrick | Finescale Dace | Phoxinus neogaeus | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Morrill | Blowout Penstemon | Penstemon haydenii | FE, SE |
| | River Otter | Lutra canadensis | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Nance | Finescale Dace | Phoxinus neogaeus | ST |

| | | | |
|------------|--------------------------------|---------------------------------------|--------|
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Nemaha | American Ginseng | <i>Panax quinquefolium</i> | ST |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Southern Flying Squirrel | <i>Glaucomys volans</i> | ST |
| | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| Nuckolls | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Otoe | American Ginseng | <i>Panax quinquefolium</i> | ST |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Southern Flying Squirrel | <i>Glaucomys volans</i> | ST |
| | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| Pawnee | Massasauga | <i>Sistrurus catenatus</i> | ST |
| Perkins | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Phelps | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Pierce | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Platte | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Polk | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Red Willow | Swift Fox | <i>Vulpes velox</i> | SE |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Richardson | American Ginseng | <i>Panax quinquefolium</i> | ST |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Massasauga | <i>Sistrurus catenatus</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Southern Flying Squirrel | <i>Glaucomys volans</i> | ST |
| | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| Rock | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |

| | | | |
|--------------|--------------------------------|--------------------------------|--------|
| | Blowout Penstemon | Penstemon haydenii | FE, SE |
| | Finescale Dace | Phoxinus neogaeus | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Saline | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Sarpy | American Ginseng | Panax quinquefolium | ST |
| | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| Saunders | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Lake Sturgeon | Acipenser fulvescens | ST |
| | Pallid Sturgeon | Scaphirhynchus albus | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Salt Creek Tiger Beetle | Cicindela nevadica lincolniana | FE, SE |
| | Saltwort | Salicornia rubra | SE |
| | Sturgeon Chub | Macrhybopsis gelida | SE |
| | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| Scotts Bluff | River Otter | Lutra canadensis | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Seward | Western Prairie Fringed Orchid | Platanthera praeclara | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Sheridan | Blowout Penstemon | Penstemon haydenii | FE, SE |
| | Finescale Dace | Phoxinus neogaeus | ST |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | River Otter | Lutra canadensis | ST |
| | Swift Fox | Vulpes velox | SE |
| | Whooping Crane | Grus americana | FE, SE |
| Sherman | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |
| | River Otter | Lutra canadensis | ST |
| | Small White Lady's Slipper | Cypripedium candidum | ST |
| | Whooping Crane | Grus americana | FE, SE |
| Sioux | Finescale Dace | Phoxinus neogaeus | ST |
| | Northern Redbelly Dace | Phoxinus eos | ST |
| | River Otter | Lutra canadensis | ST |
| | Swift Fox | Vulpes velox | SE |
| | Ute Ladies'-tresses | Spiranthes diluvialis | FT, ST |
| | Whooping Crane | Grus americana | FE, SE |
| Stanton | Interior Least Tern | Sternula antillarum athalassos | FE, SE |
| | Piping Plover | Charadrius melodus | FT, ST |

| | | | |
|------------|--------------------------------|---------------------------------------|--------|
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| | Topeka Shiner | <i>Notropis topeka</i> | FE, SE |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| Thayer | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Thomas | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Blowout Penstemon | <i>Penstemon haydenii</i> | FE, SE |
| | Finescale Dace | <i>Phoxinus neogaeus</i> | ST |
| | Northern Redbelly Dace | <i>Phoxinus eos</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| Thurston | Whooping Crane | <i>Grus americana</i> | FE, SE |
| | American Ginseng | <i>Panax quinquefolium</i> | ST |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| Valley | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| Washington | Whooping Crane | <i>Grus americana</i> | FE, SE |
| | American Ginseng | <i>Panax quinquefolium</i> | ST |
| | Interior Least Tern | <i>Sternula antillarum athalassos</i> | FE, SE |
| | Lake Sturgeon | <i>Acipenser fulvescens</i> | ST |
| | Pallid Sturgeon | <i>Scaphirhynchus albus</i> | FE, SE |
| | Piping Plover | <i>Charadrius melodus</i> | FT, ST |
| Wayne | Sturgeon Chub | <i>Macrhybopsis gelida</i> | SE |
| | Small White Lady's Slipper | <i>Cypripedium candidum</i> | ST |
| Webster | Whooping Crane | <i>Grus americana</i> | FE, SE |
| Wheeler | American Burying Beetle | <i>Charadrius melodus</i> | FE, SE |
| | River Otter | <i>Lutra canadensis</i> | ST |
| | Western Prairie Fringed Orchid | <i>Platanthera praeclara</i> | FT, ST |
| | Whooping Crane | <i>Grus americana</i> | FE, SE |
| York | Whooping Crane | <i>Grus americana</i> | FE, SE |

Range maps for listed species in Nebraska, compiled and edited by the Nebraska Natural Heritage Program, September 2011

Metadata also available as

Metadata:

- [Identification Information](#)
 - [Data Quality Information](#)
 - [Spatial Data Organization Information](#)
 - [Spatial Reference Information](#)
 - [Entity and Attribute Information](#)
 - [Distribution Information](#)
 - [Metadata Reference Information](#)
-

Identification_Information:

Citation:

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This version supersedes all previously dated versions. Previous versions (some with minor changes) were released 20081021, 20081106, 20110204, 20110308, and 20110517. The last major release of the data (i.e. packaged with maps and a county-by-species list was 20081021).

Online_Linkage: <<http://www.ngpc.state.ne.us>>

Larger_Work_Citation:

Citation_Information:

Publication_Information:

Description:

Abstract:

This is a shapefile showing the current ranges in Nebraska for the species listed as

threatened or endangered in the state. The information is current as of September 2011.

A species might be expected to occur anywhere within a mapped range in which there is suitable habitat. The maps show current ranges rather than historical ranges. Thus areas in which a given species formerly occurred but in which it no longer occurs are not included. Species, particularly those highly mobile such as birds, may occur outside of their range in locations in which the species is generally described as 'accidental' or 'vagrant.' Range maps do not include such locations.

The species treated are as follows: American Burying Beetle (*Nicrophorus americanus*), Salt Creek Tiger Beetle (*Cicindela nevadica lincolniensis*), Swift Fox (*Vulpes velox*), River Otter (*Lutra canadensis*), Southern Flying Squirrel (*Glaucomys volans*), Pallid Sturgeon (*Scaphirhynchus albus*), Topeka Shiner (*Notropis topeka*), Sturgeon Chub (*Macrhybopsis gelida*), Blacknose Shiner (*Notropis heterolepis*), Lake Sturgeon (*Acipenser fulvescens*), Northern Redbelly Dace (*Phoxinus eos*), Finescale Dace (*Phoxinus neogaeus*), Massasauga (*Sistrurus catenatus*), Scaleshell Mussel (*Leptodea leptodon*), Hayden's (Blowout) Penstemon (*Penstemon haydenii*), Colorado Butterfly Plant (*Gaura neomexicana* ssp. *coloradensis*), Saltwort (*Salicornia rubra*), Western Prairie Fringed Orchid (*Platanthera praeclara*), Ute Lady's Tresses (*Spiranthes diluvialis*), Ginseng (*Panax quinquefolium*), Small White Lady's Slipper (*Cypripedium candidum*), Whooping Crane (*Grus americana*), Interior Least Tern (*Sterna antillarum athalassos*), Piping Plover (*Charadrius melodus*), Mountain Plover (*Charadrius montanus*).

Black-footed Ferret (*Mustela nigripes*) and Eskimo Curlew (*Numenius borealis*) are not depicted here, because they are species of historical occurrence in Nebraska but have no known extant populations in the state. Bald Eagle (*Haliaeetus leucocephalus*) is excluded because it was recently de-listed in the state.

The Whooping Crane occurs in Nebraska only as a migrant. For this species, we have provided two polygons extracted directly from or modified from data products of the U.S. Fish and Wildlife Service. The USFWS should be given credit in any products derived from these polygons (see Data Sources for citation information).

One polygon shows the area officially designated by the Federal government as Critical Habitat (for Whooping Crane). The original metadata for the Critical Habitat layer is included with this package of files.

The second (multi-part) polygon represents a modification of the primary migration corridor for the Whooping Crane. The primary migration corridor polygon encompasses 95% of the observations of the species in the state from 1975 through the spring of 2007 (Martha Tacha, e-mail to Rachel Simpson, Oct. 27, 2008). The document "Required reading for users of the Whooping Crane migration GIS," provided by the USFWS, describes the database of observations and the terms of the data's use. That document is included with this package of files. The modification made by NGPC consisted of incorporating additional locations known to have repeated use.

Purpose:

The purpose of the data set is to provide the public with information regarding the ranges of threatened and endangered species in the state of Nebraska.

Supplemental Information:

Acknowledgement of the Nebraska Natural Heritage Program, Nebraska Game and Parks Commission would be appreciated in products derived from these data. Any products using the Whooping Crane primary migration corridor or the Whooping Crane Critical Habitat must acknowledge the USFWS (see Data Sources section for citation information).

Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20110708

Currentness_Reference: ground condition

Status:

Progress: In work

Maintenance_and_Update_Frequency: Annually

Spatial_Domain:

Bounding_Coordinates:

West_Bounding_Coordinate: -104.219466

East_Bounding_Coordinate: -95.099306

North_Bounding_Coordinate: 43.112225

South_Bounding_Coordinate: 39.889213

Keywords:

Theme:

Theme_Keyword_Thesaurus: None

Theme_Keyword: rare

Theme_Keyword: threatened

Theme_Keyword: endangered

Theme_Keyword: range map

Theme_Keyword: Endangered Species Act

Theme_Keyword: Critical Habitat

Place:

Place_Keyword_Thesaurus: None

Place_Keyword: Nebraska

Access_Constraints:

None. However, we encourage those interested in using the data to contact NGPC directly rather than obtaining the data from a third party. This is to ensure that users obtain the most current version of the data/metadata.

Use_Constraints:

In order to use these data appropriately, users should understand the nature of a range map. A species might be expected to occur anywhere within a mapped range in which there is suitable habitat. These ranges were drawn and edited with the input of biological experts and using locations of documented occurrences for reference. Users should recognize that no surveys have been conducted near the edges of ranges in Nebraska to determine the exact extent of the range. Boundaries should be considered approximate. Users should furthermore recognize that a given species may sometimes occur outside of its range. By their nature, range maps are approximations and are not intended for use at scales larger than originally created. The original scale at which these maps were produced was approximately 1:3,000,000.

Acknowledgement of the Nebraska Natural Heritage Program, Nebraska Game and Parks Commission would be appreciated in products derived from these data.

The data remain the property of the Nebraska Game and Parks Commission.

The data are provided for research, educational, and outreach purposes only.

This data set is not designed for use as a regulatory tool in permitting or citing decisions.

This is public information and may be interpreted by organizations, agencies, units of government, or others based on needs; however, they are responsible for the appropriate application. Federal, State, or local regulatory bodies are not to reassign to the NGPC any authority for the decisions that they make. The NGPC will not perform any evaluations of these maps for purposes related solely to State or local regulatory programs.

Digital data files are periodically updated. Data users are responsible for obtaining the latest version of the data.

Additional constraints pertinent to Whooping Crane data:

Any products using the modified Whooping Crane primary migration corridor polygon must acknowledge the USFWS and must abide by the terms described in the accompanying document "Required reading for users of the Whooping Crane migration GIS."

Any products using the Whooping Crane Critical Habitat polygon must acknowledge the USFWS and must abide by the terms described in the accompanying metadata record, "Whooping crane critical habitat.htm."

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Hours_of_Service: 8:00 am to 5:00 pm CST Monday-Friday

Data_Set_Credit:

Adam Behmer, Data Technician for the Nebraska Natural Heritage Program (NNHP), updated the shapefiles showing species' ranges in 2008. Information on the ranges of the species is the result of research by many individuals, past and present, from many organizations. Martha Tacha, U.S. Fish and Wildlife Service, Region 6, provided the polygon representing 95% of the Whooping Crane occurrences between 1975 and 2007.

Native_Data_Set_Environment:

ESRI ArcView 3.3; ESRI ArcGIS 9.2; Microsoft Windows 2000 Version 5.0 (Build 2195)
Service Pack 4

Data_Quality_Information:

Attribute_Accuracy:

Attribute_Accuracy_Report: Attributes are believed to be accurate.

Logical_Consistency_Report: These data are believed to be logically consistent.

Completeness_Report:

Understand that although the Natural Heritage Program maintains high standards of data quality control, it makes no warranty as to the fitness of the data for any purpose nor that the data is necessarily accurate and complete.

Positional_Accuracy:

Horizontal_Positional_Accuracy:

Horizontal_Positional_Accuracy_Report:

In order to use these data appropriately, users should understand the nature of a range map. A species might be expected to occur anywhere within a mapped range in which there is suitable habitat. These ranges were drawn and edited with the input of biological experts and using locations of documented occurrences for reference. The maps were checked and edited to ensure that the known occurrences (those maintained in the NNHP's database) of each species fell inside the range boundaries. However, users should recognize that no surveys have been conducted near the edges of ranges in Nebraska to determine the exact extent of the range. Boundaries should be considered approximate. Users should furthermore recognize that a given species may sometimes occur outside of its range. By their nature, range maps are approximations and are not intended for use at scales larger than originally created. The original scale at which these maps were produced was approximately 1:3,000,000.

Vertical_Positional_Accuracy:

Lineage:

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Fish and Wildlife Service (USFWS), Region 2

Publication_Date: 2003

Title: Whooping crane critical habitat

Edition: none specified

Geospatial_Data_Presentation_Form: vector digital data

Other_Citation_Details: Data downloaded on October 29, 2008.

Online_Linkage: <<http://crithab.fws.gov>>

Source_Time_Period_of_Content:

Time_Period_Information:

Single_Date/Time:

Calendar_Date: 20021231

Source_Currentness_Reference: publication date

Source_Citation_Abbreviation: Whooping Crane Critical Habitat

Source_Contribution:

Polygon representing critical habitat in Nebraska is included, without edits (other than reprojection), in the shapefile.

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Fish and Wildlife Service, Region 6

Publication_Date: Unpublished Material

Title: State-specific Nebraska flyway for Whooping Crane

Geospatial_Data_Presentation_Form: vector digital data

Other_Citation_Details:

This shapefile, called 'StateSpecific_NE_75_95,' was received October 27, 2008 from Martha Tacha, USFWS, Region 6, Grand Island, Nebraska.

Source_Time_Period_of_Content:

Time_Period_Information:

Range_of_Dates/Times:

Beginning_Date: 1975

Ending_Date: 2007

Source_Currentness_Reference: ground condition

Source_Citation_Abbreviation: State-specific Nebraska flyway for Whooping Crane

Source_Contribution:

This data set includes a polygon representing the area identified by the USFWS as encompassing 95% of the Whooping Crane occurrences between 1975 and 2007. This '95% band' was used, without edits, as the polygon representing the primary migration corridor for the Whooping Crane.

Source_Information:

Source_Citation:

Citation_Information:

Originator: U.S. Fish and Wildlife Service

Publication_Date: Unpublished Material

Title: Required Reading for Users of the Whooping Crane Migration GIS

Other_Citation_Details:

Unpublished document received October 27, 2008 from Martha Tacha, USFWS, Grand Island, Nebraska.

Process_Step:

Process_Description: Range maps were edited.

Process_Date: 20080501

Process_Step:

Process_Description: A draft of the metadata was written.

Process_Date: 20080604

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Nebraska Natural Heritage Program, Nebraska Game and Parks Commission

Contact_Person: Rachel Simpson

Contact_Position: Data Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 2200 N. 33rd St.

City: Lincoln

State_or_Province: NE

Postal_Code: 68503-0370

Country: USA

Contact_Voice_Telephone: 402-471-5427

Contact_Electronic_Mail_Address: rachel.simpson@nebraska.gov

Process_Step:

Process_Description:

American Burying Beetle range edited per corrections sent by Wyatt Hoback.

Process_Date: 20080612

Process_Step:

Process_Description: Metadata updated

Process_Date: 20080618

Process_Step:

Process_Description:

Polygon representing otter range was edited per comments of Sam Wilson.

Process_Date: 20080807

Process_Step:

Process_Description:

Polygon representing Higgins Eye (*Lampsilis higginsii*) was deleted.

Process_Date: 20080811

Process_Step:

Process_Description:

Metadata were edited (edits primarily made to Use Constraints, Access Constraints, Distribution Liability, and Metadata Use Constraints).

Process_Date: 20080815

Process_Step:

Process_Description:

Polygons representing ranges for two species were edited, and the metadata record was updated accordingly. For Scaleshell Mussel, the range was extended from below Gavins Point Dam southeastward to Ponca State Park. For Pallid Sturgeon, the range was expanded to include a portion of the Lower Niobrara River. These changes were made to reflect recent information on where the species have been found.

Process_Date: 20081021

Process_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Nebraska Natural Heritage Program, Nebraska Game and Parks Commission

Contact_Person: Rachel Simpson

Contact_Position: Heritage Data Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 2200 N 33rd Street

City: Lincoln

State_or_Province: NE

Postal_Code: 68503

Country: USA

Contact_Voice_Telephone: 402-471-5427

Contact_Electronic_Mail_Address: rachel.simpson@nebraska.gov

Process_Step:

Process_Description:

Whooping Crane Critical Habitat shapefile was downloaded from USFWS website and reprojected to UTM Zone 14 NAD83. Polygon representing critical habitat in Nebraska was copied into the range map shapefile. Attributes were edited as appropriate. A source field was added to attribute table in order to provide information on data sources for polygons not digitized by NGPC.

Source_Used_Citation_Abbreviation: Whooping Crane Critical Habitat

Process_Date: 20081029

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Contact_Organization: Natural Heritage Program, Nebraska Game and Parks Commission

Contact_Position: Heritage Data Manager

Process_Step:

Process_Description:

The 95% band was selected and copied into the range map shapefile. The previously used polygon (a parallelogram) for the species was deleted. Attributes were edited to reflect the originator of the data, the U.S. Fish and Wildlife Service.

Source_Used_Citation_Abbreviation: State-specific Nebraska flyway for Whooping Crane

Process_Date: 20081029

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Contact_Organization: Natural Heritage Program, Nebraska Game and Parks Commission

Contact_Position: Data Manager

Process_Step:

Process_Description: Dataset copied.

Process_Date: 20110106

Process_Time: 14102400

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Northern Redbelly Dace: Range was edited and metadata updated accordingly. Changes were made to reflect recent information on where the species has been found. For Northern Redbelly Dace the area between what was formerly represented as a northern and southern portion of its range was added. This was needed because there are records for Custer, Logan, and Hooker Counties that were not accounted for in the 2008 version of the data. Additionally northeastern Keya Paha County was added, again because of a record from the area.

Source_Used_Citation_Abbreviation: t_and_e_ranges_20081029

Process_Date: 20110106

Source_Produced_Citation_Abbreviation: t_and_e_ranges_20110107

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Finescale Dace: Range was edited and metadata updated accordingly. Changes were made to reflect recent information on where the species has been found. For Finescale Dace the southern portion of its range was extended further east in Lincoln County. Changes were made per recommendation of Mike Fritz, Heritage Zoologist.

Process_Time: 20110107

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Piping Plover and Interior Least Tern: Ranges were edited and metadata updated accordingly. Changes were made to reflect recent information on where the species have been found. Additionally, the title of the resulting map was edited to clarify that it is a map of nesting range only (migration range is not reflected in the data). For Piping Plover the area of Crescent Lake was added to reflect nesting there. A note was made on the map indicating that this location in Garden County pertains to Piping Plover only. For both Piping Plover and Interior Least Tern three changes were made. First, an area of the Middle Loup River in Custer County was added to reflect recent nesting on sandpits there. Second, the Missouri River in eastern Knox County was added. Third, the portion of the Platte just above the confluence with the Elkhorn was widened to account for additional nesting locations. Changes were made per Joel Jorgensen, Non-game Bird Program Manager, NGPC.

Process_Date: 20110107

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

River Otter: Range was edited and metadata updated accordingly. Changes were made to reflect recent information on where the species have been found. For River Otter an area of the Niobrara River in Knox County was added per Sam Wilson, NGPC Nongame Mammal/Furbearer Program Manager.

Process_Date: 20110107

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Topeka Shiner: Range was edited and metadata updated accordingly. Changes were made to reflect recent information on where the species has been found. Eastern portion of Topeka Shiner range was extended eastward in Madison County and into Stanton County. This was result of its being found in a nearby area of Madison County. New range drawn per Mike Fritz, Heritage Zoologist.

Process_Date: 20110308

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Mountain Plover: Federal status changed to 'proposed threatened.' Decision on this is expected in May 2011.

Process_Date: 20110308

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

River Otter: Many changes made including those listed below. Northwestern portion of range along the Niobrara R. was extended east into Keya Paha Co. Range along North Platte River was extended west and east. Area around Harlan County Reservoir added. Range was extended upstream along North Fork of the Little Nemaha River, into Cass Co. Portion of Missouri River in Nemaha Co. and extending into Otoe Co. was added. Also added were the lower portion of the North Loup River in Loup Co., portion of S. Fork of Elkhorn R in Holt Co, portion of Cedar Ck in Antelope Co., portion of S. Fork of Little Nemaha R. Changes per Sam Wilson, Nongame Mammal/Furbearer Program Manager.

Process_Date: 20110308

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Finescale Dace: Range modified to include an area of Nance, Merrick, and Howard County. Change per Mike Fritz.

Process_Date: 20110309

Process_Step:

Process_Description:

American Ginseng: Range modified to eliminate Knox and Cedar Counties and to eliminate portion of range extending west into Saunders County and western Sarpy and Cass Counties. Changes per Gerry Steinauer.

Process_Date: 20110420

Process_Step:

Process_Description:

Western Prairie Fringed Orchid: Range modified substantially to eliminate historic range where species has not been recently documented. Changes per Gerry Steinauer.

Process_Date: 20110420

Process_Step:

Process_Description:

Saltwort: Range modified substantially to eliminate historic range where species has not been recently documented. Changes per Gerry Steinauer.

Process_Time: 20110420

Process_Step:

Process_Description:

Small White Lady's Slipper: Range modified substantially to eliminate portions of range where species has not been recently documented. Selected river segments were buffered by 9 km. Distance based on measurement of drawing by Gerry Steinauer and then increasing distance slightly to ensure all recent known occurrences were included.

Process_Date: 20110420

Process_Step:

Process_Description:

Ute Ladies'-tresses: Title and attributes corrected so that spelling and

punctuation of common name matches current literature.

Process_Date: 20110420

Process_Step:

Process_Description:

Individual maps created by exporting to pdfs (at 300 dpi) and to jpg (at 300 dpi) from ArcMap.

Process_Time: 20110518

Process_Step:

Process_Description:

Whooping Crane: 95% corridor was edited by adding additional locations known to have repeated use. Areas added were in Hitchcock County (and smoothing resulted in inclusion of more of Hayes County) on the western side and in Knox, Antelope, Pierce, Madison, and Platte counties on the eastern side. A polygon representing an area along the North Platte River (Garden and Keith counties) which has repeated use was also added. Changes per Michelle Koch (Environmental Analyst). Mike Fritz, and Joel Jorgensen.

Process_Date: 20110706

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Whooping Crane: The print-ready map was modified in several ways. The title was changed from 'Primary migration corridor' to 'Migration use area' to reduce likelihood of users confusing the USFWS migration corridor data product with what is shown here and to reflect that fact that a disjunct polygon representing a stopover site is depicted. Also, the attribute value was changed from 'primary migration corridor' to 'primary occurrence area.' Also, confirmed observations current through Fall 2010 and outside the primary occurrence area were displayed as dots (these are not included in the range map shapefile). Text on the map was reworded to reflect the changes. Changes per Michelle Koch (Environmental Analyst). Mike Fritz, and Joel Jorgensen.

Process_Date: 20110706

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Blacknose Shiner: Range in Cherry County was modified slightly. The south central portion of the western portion of the Cherry County range was extended southward so that the Sandhills stream in which the species had been found was included. The portion of the range in Dawes/Box Butte Cos was reviewed but not changed. While the species has not been found there recently, more extensive surveys are needed to determine conclusively whether the species still occurs there. Changes per Mike Fritz.

Process_Date: 20110708

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

To update the county by species list that accompanies the range map product, a union operation of ranges and counties was done, followed by a dissolve on range-county combinations, followed by an area calculation. Areas under 20 square kilometers were reviewed in order to determine whether to include that county in the list. Several edits of the range maps were made as a result of this review. 1) Small White Lady's Slipper: Polk and Butler counties portion of range map were clipped out because species would only occur on the Loups, not the Platte (change per Gerry Steinauer). In addition, boundaries of range were made coincident with Dawson, Custer, Sherman, and Garfield Counties (to eliminate slivers of range in these counties). 2) Blowout Penstemon: Boundary made coincident with border of Custer, Logan, and McPherson Cos. (to eliminate slivers of range in these counties). 3) Northern Redbelly Dace: Boundary made coincident with border of Boyd Co. (to eliminate slivers of range in the county).

Process_Date: 20110701

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Typo in scientific name for Pallid Sturgeon corrected in shapefile and map.

Process_Date: 20110819

Process_Step:

Process_Description:

Name of Interior Least Tern and Piping Plover map changed to refer to 'Breeding' rather than 'Nesting' per Joel Jorgensen.

Process_Date: 20110819

Process_Step:

Process_Description:

American Burying Beetle range was modified based on recent survey work. Northern portion was extended further west in Cherry and Hooker counties. In southern portion of range, western part was removed, so that less of Lincoln County was included. Hayes County portion removed as well. Changes per Michelle Koch.

Process_Date: 20110928

Process_Contact:

Contact_Information:

Contact_Person_Primary:

Contact_Person: Rachel Simpson

Process_Step:

Process_Description:

Status of Mountain Plover changed from 'Proposed Threatened' to null, to reflect decision of USFWS.

Process_Date: 20110929

Spatial_Data_Organization_Information:

Direct_Spatial_Reference_Method: Vector

Point_and_Vector_Object_Information:

SDTS_Terms_Description:

SDTS_Point_and_Vector_Object_Type: G-polygon

Point_and_Vector_Object_Count: 26

Spatial_Reference_Information:

Horizontal_Coordinate_System_Definition:

Planar:

Grid_Coordinate_System:

Grid_Coordinate_System_Name: Universal Transverse Mercator

Universal_Transverse_Mercator:

UTM_Zone_Number: 14

Transverse_Mercator:

Scale_Factor_at_Central_Meridian: 0.999600

Longitude_of_Central_Meridian: -99.000000

Latitude_of_Projection_Origin: 0.000000

False_Easting: 500000.000000

False_Northing: 0.000000

Planar_Coordinate_Information:

Planar_Coordinate_Encoding_Method: coordinate pair

Coordinate_Representation:

Abscissa_Resolution: 0.000000

Ordinate_Resolution: 0.000000

Planar_Distance_Units: meters

Geodetic_Model:

Horizontal_Datum_Name: North American Datum of 1983

Ellipsoid_Name: Geodetic Reference System 80

Semi-major_Axis: 6378137.000000

Denominator_of_Flattening_Ratio: 298.257222

Entity_and_Attribute_Information:

Detailed_Description:

Entity_Type:

Entity_Type_Label: T_and_E_ranges

Attribute:

Attribute_Label: FID

Attribute_Definition: Internal feature number.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain:

Sequential unique whole numbers that are automatically generated.

Attribute:

Attribute_Label: Shape

Attribute_Definition: Feature geometry.

Attribute_Definition_Source: ESRI

Attribute_Domain_Values:

Unrepresentable_Domain: Coordinates defining the features.

Attribute:

Attribute_Label: ID

Attribute:

Attribute_Label: Com_name

Attribute_Definition: Common name of the species (or subspecies)

Attribute:

Attribute_Label: Sci_name

Attribute_Definition: Scientific name of the species (or subspecies)

Attribute:

Attribute_Label: Title

Attribute_Definition:

Statement indicating what the polygon shows, for ex. in format of 'Estimated current range of <species name>'

Attribute:

Attribute_Label: Fed_stat

Attribute_Definition:

status with regard to the Federal Endangered Species Act; possible values are 'Threatened,' Endangered,' or null.

Attribute:

Attribute_Label: State_stat

Attribute_Definition:

status with regard to the State Endangered Species Act; possible values are 'Threatened,' Endangered.'

Attribute:

Attribute_Label: Lgcy_stat

Attribute_Definition:

Legacy status. At-risk status of a species as designated in the Nebraska Natural Legacy Plan (Nebraska's State Wildlife Action Plan). Tier I species are those that are globally or nationally most at-risk of extinction and which occur in Nebraska. Tier II species are typically those that are not at-risk from a global or national perspective but are rare or imperiled within Nebraska. All species represented in this shapefile are Tier 1 species, indicated by the value 'T1'

Attribute_Definition_Source:

Schneider, R., M. Humpert, K. Stoner, G. Steinauer. 2005. The Nebraska Natural Legacy Project: A Comprehensive Wildlife Conservation Strategy. The Nebraska Game and Parks Commission, Lincoln, NE. 245 pp.

Attribute:

Attribute_Label: G_rank

Attribute_Definition:

Natural Heritage numeric rank (G1 through G5) of the conservation status or relative endangerment globally of species or ecological communities. Primary factors used in determining rank for species are population size, number of occurrences, viability of occurrences, population trend and threats. Secondary factors are geographic distribution, environmental specificity, protection and management, and intrinsic vulnerability. G1 = Critically imperiled globally because of extreme rarity or because of some factor(s) making it especially vulnerable to extinction. (Typically 5 or fewer occurrences or very few remaining individuals or acres). G2 = Imperiled globally because of rarity or because of some factor(s) making it very vulnerable to extinction throughout its

range. (6 to 20 occurrences or few remaining individuals or acres). G3 = Either very rare and local throughout its range or found locally (even abundantly at some of its locations) in a restricted range (e.g., a single western state, a physiographic region in the East) or because of other factors making it vulnerable to extinction throughout its range. (21 to 80 occurrences). G4 = Widespread, abundant, and apparently secure globally, though it may be quite rare in parts of its range, especially at the periphery. Thus, the Element is of long-term concern. (81 to 300 occurrences). G5 = Demonstrably widespread, abundant, and secure globally, though it might be quite rare in parts of its range, especially at the periphery. (More than 300 occurrences). G#G# = Numeric range rank: A range between two of the numeric ranks. Denotes a range of uncertainty about the exact rarity of the Element. Subrank:T = Taxonomic subdivision: rank applies to a subspecies or variety.

Attribute:

Attribute_Label: S_rank

Attribute_Definition:

Natural Heritage numeric rank (S1 through S5) of conservation status or relative endangerment within the state of species or ecological communities. Primary factors used in determining rank for species are population size, number of occurrences, viability of occurrences, population trend and threats. Secondary factors are geographic distribution, environmental specificity, protection and management, and intrinsic vulnerability. S1 = Critically imperiled in the state because of extreme rarity or because of some factor(s) making it especially vulnerable to extirpation from the state (Typically 5 or fewer occurrences or very few remaining individuals or acres). S2 = Imperiled in the state because of rarity or because of some factor(s) making it very vulnerable to extirpation from the state. (6 to 20 occurrences or few remaining individuals or acres). S3 = Rare and uncommon in the state. (21 to 80 occurrences).

Attribute:

Attribute_Label: More_info

Attribute_Definition:

NatureServe Explorer website URL, from which much more information on these and other species can be found.

Attribute:

Attribute_Label: Map_date

Attribute_Definition:

Date on which a modification of (or addition of) the polygon in the range map shapefile was last made.

Attribute:

Attribute_Label: Source

Distribution_Information:

Distributor:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Nebraska Natural Heritage Program, Nebraska Game and Parks Commission

Contact_Person: Rachel Simpson
Contact_Position: Heritage Data Manager
Contact_Address:
 Address_Type: mailing and physical address
 Address: 2200 N 33rd Street
 City: Lincoln
 State_or_Province: Nebraska
 Postal_Code: 68503-0370
 Country: USA
Contact_Voice_Telephone: 402-471-5427
Contact_Facsimile_Telephone: 402-471-4992
Contact_Electronic_Mail_Address: rachel.simpson@ngpc.ne.gov
Hours_of_Service: 8:30am to 5:30pm CST Mon.-Fri

Resource_Description:

The resource may be provided in two ways: 1) as maps showing the ranges of individual species (or groups of species) or 2) as a shapefile with ranges represented as individual polygons.

Distribution_Liability:

No Warranty: These data are provided as is, without any warranty whatsoever, including but not limited to any warranty as to their performance or fitness for any particular purpose. Liability: The entire risk as to the results of the use of these data is assumed by the user. NGPC is not responsible for any interpretation or conclusions based on these data made by those who acquire or use it. NGPC shall not be liable for any direct, indirect, special, incidental, compensatory or consequential damages or third party claims resulting from the use of these data, even if NGPC has been advised of the possibility of such potential loss or damage. In States that do not allow the exclusion or limitation of incidental or consequential damages, you may not use these data.

Redistribution Conditions: In obtaining these data from NGPC, it is understood that you and/or your organization have the right to use them for any internal purpose. If you modify them, you should document those changes in a metadata record that should accompany all redistributed data. If you transmit or provide these data in any form to another user, the data MUST be accompanied by a copy of this disclaimer and all documentation provided with the original data set including the full metadata record.

Additional constraints pertinent to Whooping Crane data:

Any products using the modified Whooping Crane primary migration corridor polygon must acknowledge the USFWS and must abide by the terms described in the accompanying document "Required reading for users of the Whooping Crane migration GIS."

Any products using the Whooping Crane Critical Habitat polygon must acknowledge the USFWS and must abide by the terms described in the accompanying metadata record, "Whooping crane critical habitat.htm."

Standard_Order_Process:

Digital_Form:

Digital_Transfer_Information:

Transfer_Size: 0.101

Custom_Order_Process:

The NNHP produces custom data sets following discussion with those interested in use of the data. Charges may apply.

Metadata_Reference_Information:

Metadata_Date: 20081106

Metadata_Contact:

Contact_Information:

Contact_Organization_Primary:

Contact_Organization:

Nebraska Natural Heritage Program, Nebraska Game and Parks
Commission

Contact_Person: Rachel Simpson

Contact_Position: Heritage Data Manager

Contact_Address:

Address_Type: mailing and physical address

Address: 2200 N 33rd Street

City: Lincoln

State_or_Province: Nebraska

Postal_Code: 68503-0370

Country: USA

Contact_Voice_Telephone: 402-471-5427

Contact_Facsimile_Telephone: 402-471-4992

Contact_Electronic_Mail_Address: rachel.simpson@ngpc.ne.gov

Hours_of_Service: 8:30am to 5:30pm CST Mon.-Fri

Metadata_Standard_Name: FGDC Content Standards for Digital Geospatial Metadata

Metadata_Standard_Version: FGDC-STD-001-1998

Metadata_Time_Convention: local time

Metadata_Access_Constraints: None

Metadata_Use_Constraints:

Redistribution Conditions: In obtaining these data from NGPC, it is understood that you and/or your organization have the right to use them for any internal purpose. If you modify them, you should document those changes in a metadata record that should accompany all redistributed data. If you transmit or provide these data in any form to another user, the data MUST be accompanied by a copy of this disclaimer and all documentation provided with the original data set including the full metadata record.

Additional constraints pertinent to Whooping Crane data:

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Any products using the Whooping Crane Critical Habitat polygon must acknowledge the USFWS and must abide by the terms described in the accompanying metadata record, "Whooping crane critical habitat.htm."

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

Metadata_Extensions:

Online_Linkage: <<http://www.esri.com/metadata/esriprof80.html>>

Profile_Name: ESRI Metadata Profile

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