

## Attachment 1 Threatened & Endangered Species Guidance and Checklist

Disclaimer: This checklist was developed for guidance purposes only to assist Industrial Storm Water permit applicants to identify potential locations of threatened and endangered species that could be affected by storm water run-off from industrial sites. Completion of this checklist is not a requirement for permit authorization and is not intended to be used as a substitute for a professional environmental review or for an electronic submittal of the Notice of Intent (NOI) via the Department website. The use of this form does not relieve the permittee from further review or enforcement action by the Nebraska Department of Environment and Energy (NDEE) or the Nebraska Game and Parks Commission (NGPC).

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| 1. Does the action area drain to a stream of concern? <i>(See attached Stream and River Reaches of Concern for Nebraska Fish Species map.)</i>   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Does the action area drain to rivers, streams, ponds, lakes or wetlands within the range of American burying beetle? <i>(See attached American Burying Beetle Range map.)</i>   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 3. Does the action area drain to a Salt Creek, Little Salt Creek, Rock Creek or saline wetlands in Lancaster or Saunders County?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. Does the action area drain to Lodgepole Creek from Kimball to the Wyoming State line?   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. Does the action area drain to wetlands or wet meadows in the range of the western prairie fringed orchid or small white lady's slipper? <i>(These are both species of orchids. See attached Orchid Range maps.)</i>   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 6. Does the action area drain to a river within the breeding range of interior least tern or piping plover? <i>(See attached Plover and Tern Range map.)</i>   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 7. Does the action area drain to a river, stream, lake, pond, or wetland within the range of massasauga? <i>(See attached Massasauga Range map.)</i>   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 8. Does the action area drain to a river within the range of river otter? <i>(See attached River Otter Range map.)</i>   | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 9. Does the action drain to wetlands or to the Republican, Platte, Loup, Middle Loup, North Loup, or Niobrara Rivers within the primary whooping crane migration use area and critical habitat? <i>(See attached Migration Use Area and Critical Habitat of Whooping Crane map.)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No |

If you answered “no” to all questions, a review by NGPC may not be needed *(see disclaimer above)*.

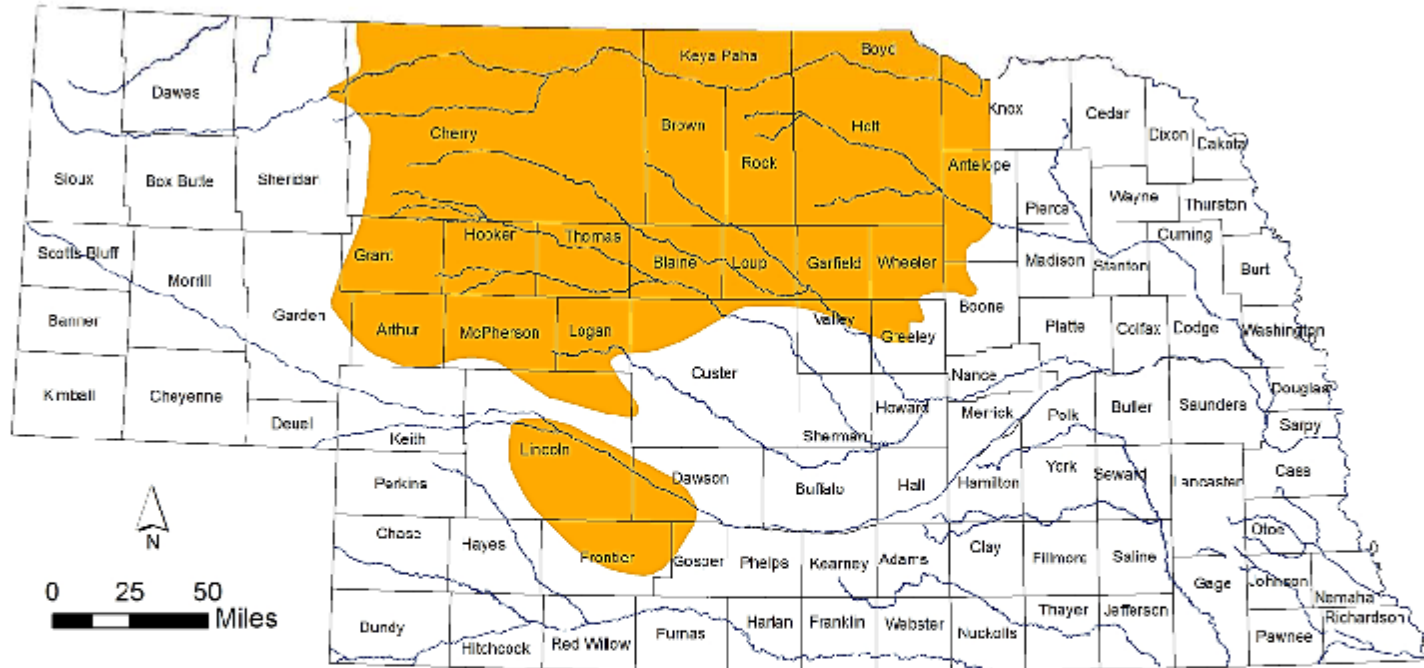
If you answered “yes” to any of these questions, consultation with the Nebraska Game and Parks Commission may be necessary. Permit authorizations will vary from those identified in Table 1-2 depending on the additional time required to evaluate potential impacts.

All NOI submissions received from new or expanded dischargers without documentation relating to threatened and endangered species will be considered incomplete.

If you have questions, please call the Nebraska Game and Parks Commission at (402) 471-0641 or visit <http://outdoornebraska.gov/environmentalreview>.



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

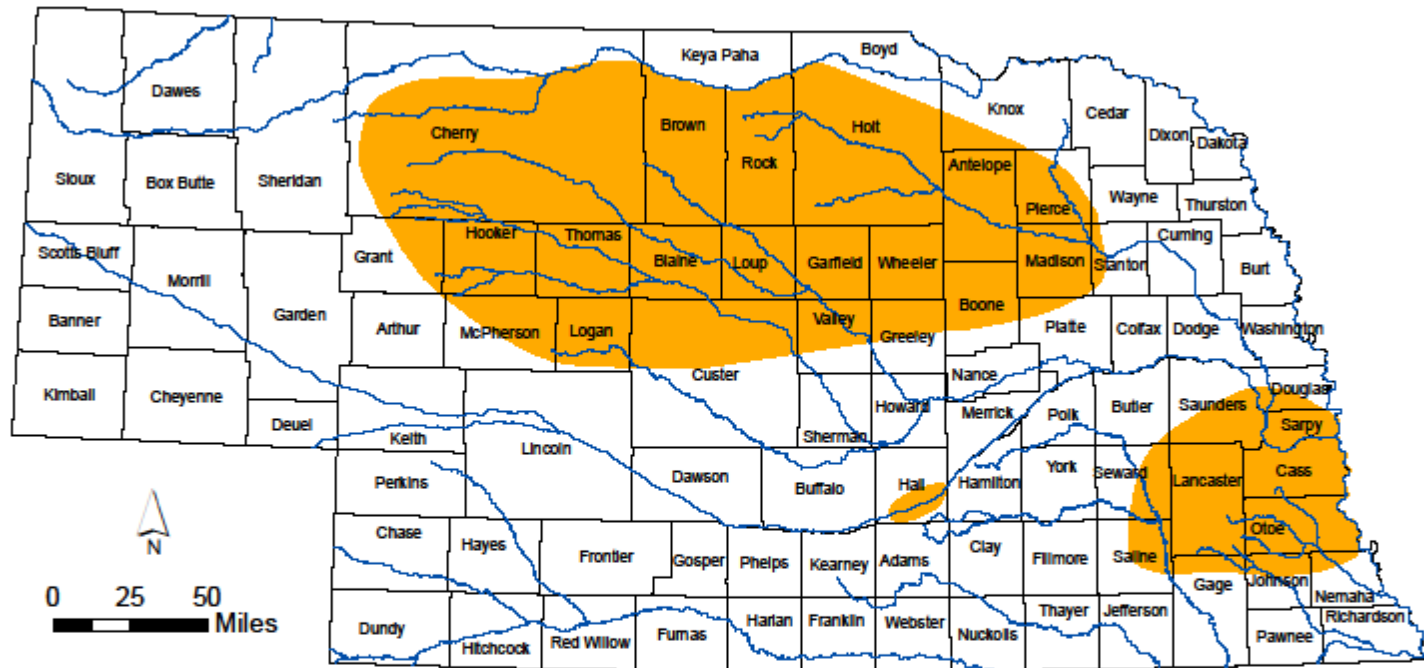


The Sandhills portion of this range was based largely on a distribution model created using data collected from 2001 through 2011 by various government and non-government organizations. Logistic regression was used to predict probability of occurrence of American Burying Beetle based on data collected in the Sandhills and a number of climate, soil, and land cover variables. The model was created by The US Fish and Wildlife Service, University of Nebraska Kearney, Rainwater Basin Joint Venture, and Nebraska Game and Parks Commission. The Sandhills probability model and range map was combined with other known distribution data to create the overall range map shown here. Work is being undertaken to create comparable models outside of the Sandhills.



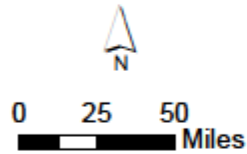
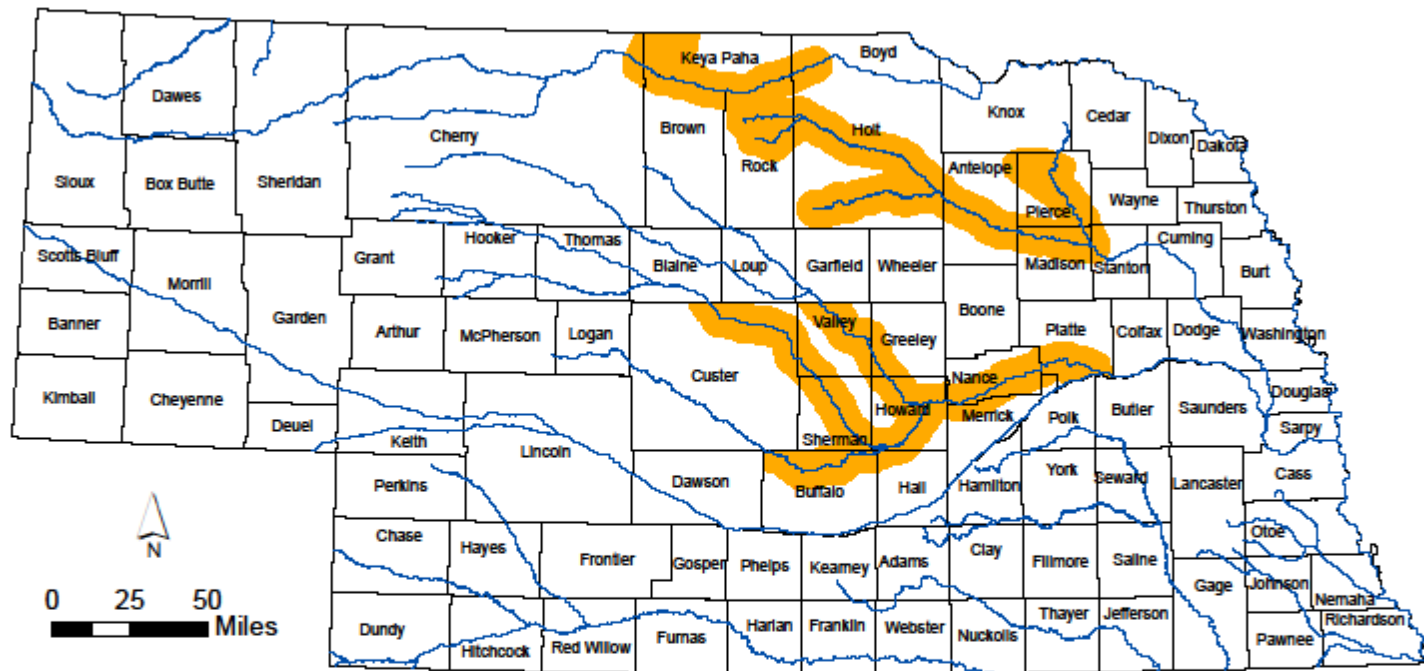
Map produced by the Nebraska Natural Heritage Program, Nebraska Game and Parks Commission, March 2014.

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



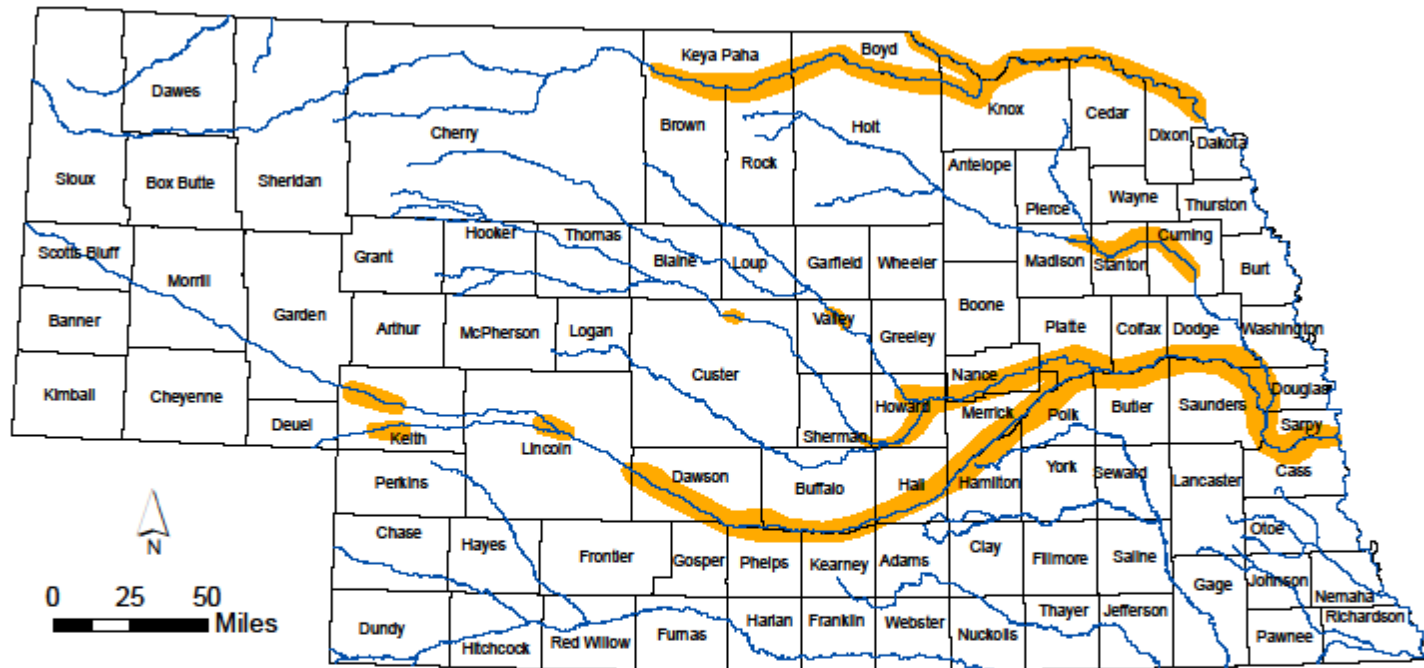
Nebraska Natural Heritage Program,  
Nebraska Game and Parks Commission  
June 2019

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



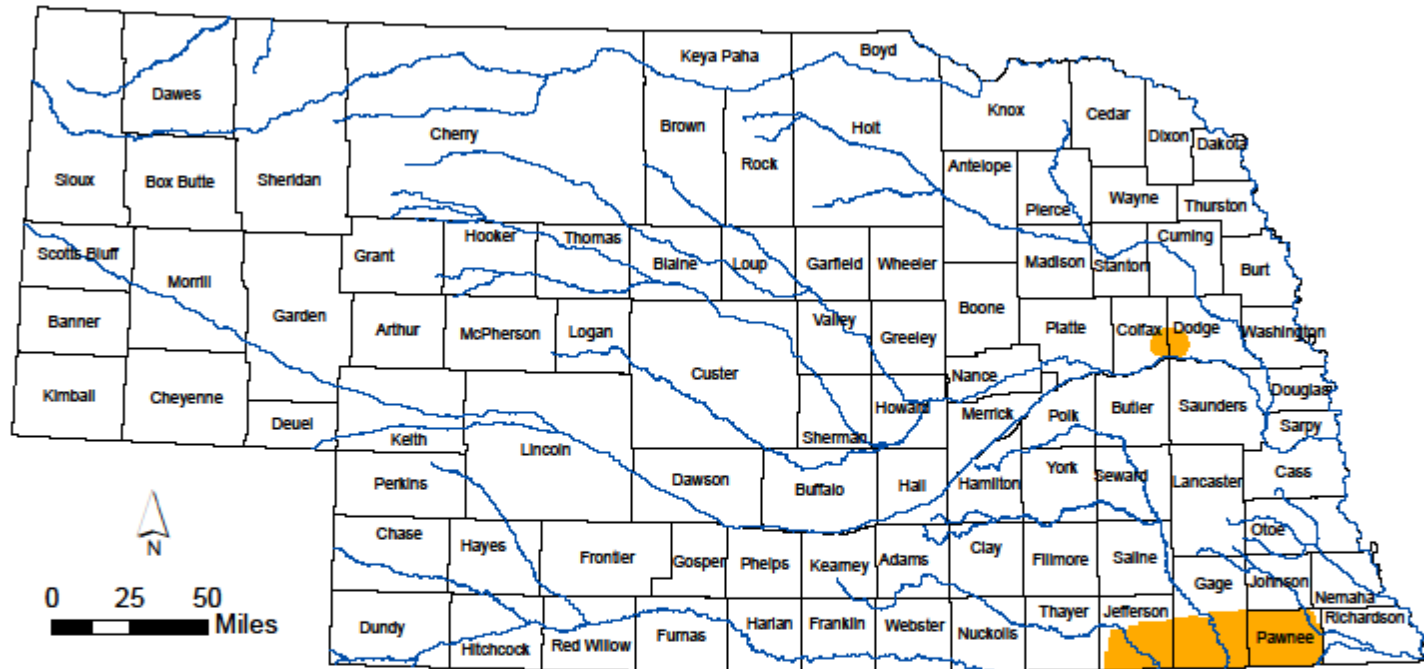
Nebraska Natural Heritage Program,  
Nebraska Game and Parks Commission  
January 2020

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



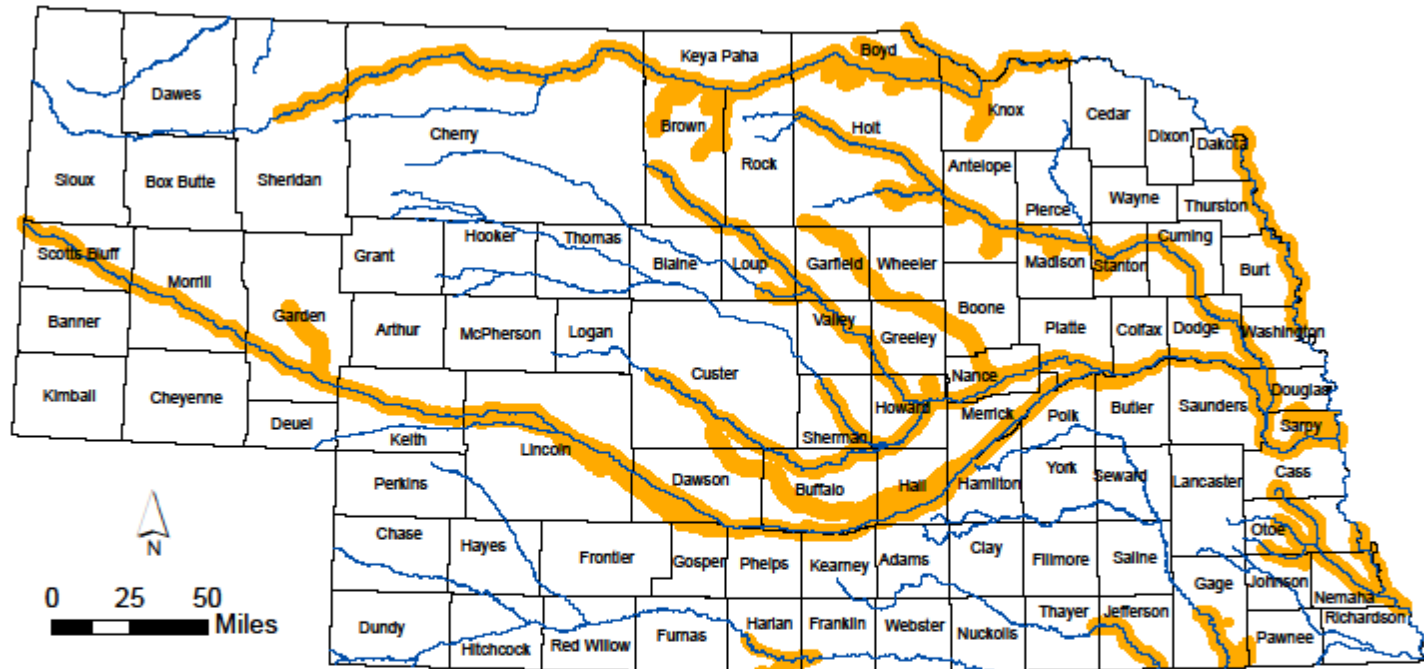
Nebraska Natural Heritage Program,  
Nebraska Game and Parks Commission  
June 2019

### Estimated Current Range of Western Massasauga (*Sistrurus tergeminus*)



Nebraska Natural Heritage Program,  
Nebraska Game and Parks Commission  
January 2020

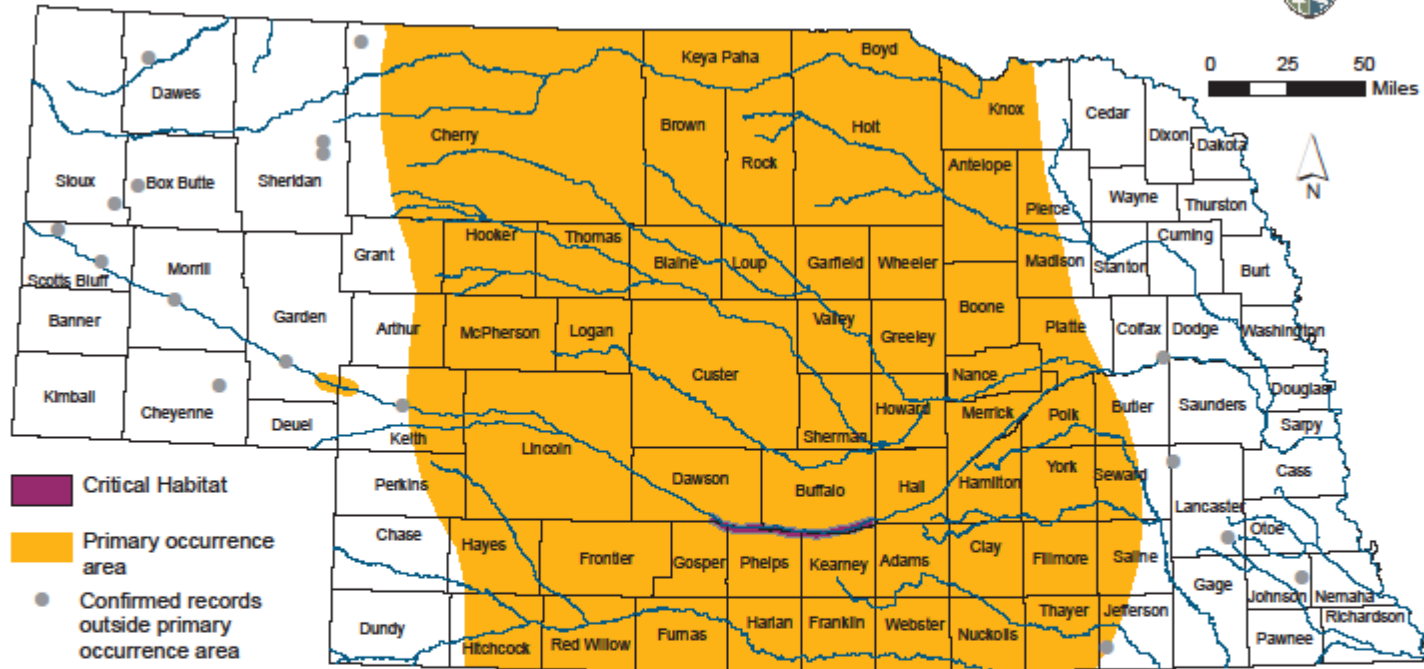
### Estimated Current Range of River Otter (*Lontra canadensis*)



Nebraska Natural Heritage Program,  
Nebraska Game and Parks Commission  
November 2020



## 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 Nebraska Ecological Services Field Office, Grand Island.

Critical Habitat areas are considered essential for the conservation of a listed species. Data source: USFWS, 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 2016. Data source: USFWS Nebraska Ecological Services Field Office. For data disclaimer and full citation see page 2.

Map produced by the Nebraska Natural Heritage Program, Nebraska Game and Parks Commission, January 2017.