

# Loess Bluffs National Wildlife Refuge Monthly Habitat, Waterfowl and Eagle Survey Report

Date: 2023-01-17

## Document Purpose:

This document provides a summary of waterfowl and bald eagle use on Loess Bluffs NWR, updated weekly. Bird estimates are derived using Integrated Waterbird Management and Monitoring (IWMM) protocol using an area count (bird per acre), block or modified block count methods, for more information click on the following links for [IWMM Protocol](#) pages 18 – 21 and [U. S. Fish and Wildlife Service's estimating flock size](#) website.

## Habitat Conditions Summary:

Habitat conditions are rated based on ocular estimates of overall habitat condition, area (acres) of wetlands flooded and percentage of wetland frozen using [IWMM Protocol](#) pages 11 – 17.

Habitat Condition	12/19/2022 data	12/27/2022 data	01/10/2023 data	01/17/2023 data
Habitat Conditions Rating	Good	Good	Good	Good
Acres of wetlands flooded	3,390	3,420	3,500	3,500
Percentage of Wetlands Frozen	98%	100%	99%	05%

## Waterfowl Species Summary:

Species	Number of Birds observed week of 12/19/2022	Number of Birds observed week of 12/27/2022	Number of Birds observed week of 01/10/2023	Number of Birds observed week of 01/17/2023
Greater White-fronted Goose	3,985	0	125	350
Snow Goose	1,380	0	3,600	47,700
Ross's Goose	Present	0	10	450
Canada Goose	1,294	0	1,107	3,710
Trumpeter Swan	3,008	4	1,798	3,155
Tundra Swan	1	0	2	0
Wood Duck	0	0	0	0
Gadwall	30	0	0	0
American Wigeon	0	0	0	5
American Black Duck	0	0	0	0
Mallard	24,100	0	2,622	10,455
Blue-winged Teal	0	0	0	0
Cinnamon Teal	0	0	0	0
Northern Shoveler	80	0	5	0

Species	Number of Birds observed week of 12/19/2022	Number of Birds observed week of 12/27/2022	Number of Birds observed week of 01/10/2023	Number of Birds observed week of 01/17/2023
Northern Pintail	350	0	5	0
Green-winged Teal	1,140	0	0	0
Canvasback	0	0	0	0
Redhead	0	0	0	0
Ring-necked Duck	1	0	1	0
Scaup	0	0	0	0
Bufflehead	1	0	0	0
Common Goldeneye	0	0	22	275
Hooded Merganser	0	0	0	3
Common Merganser	0	0	0	0
Red-breasted Merganser	0	0	0	0
Ruddy Duck	0	0	0	0
Pied-billed Grebe	0	0	0	0
Horned Grebe	0	0	0	0
Eared Grebe	0	0	0	0
American Coot	5	0	0	0

Species Group Summary:

Species Group	Total number of birds observed week of 12/19/2022	Total number of birds observed week of 12/27/2022	Total number of birds observed week of 01/10/2023	Total number of birds observed week of 01/17/2023
Geese	6,659	0	4,842	52,210
Dabblers	25,700	0	2,632	10,460
Divers	2	0	23	278
All Ducks	25,702	0	2,655	10,738
Shorebirds	0	0	0	0

Eagles Summary:

Bald Eagles	Total number of birds observed 12/19/2022	Total number of birds observed 12/27/2022	Total number of birds observed 01/10/2023	Total number of birds observed 01/17/2023
Immature	128	5	4	8
Adult	133	15	11	18
All Eagles	261	20	15	26