

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

Date: 2023-01-30

### 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	01/10/2023 data	01/17/2023 data	01/26/2023 data	01/30/2023 data
Habitat Conditions Rating	Good	Good	Good	Good
Acres of wetlands flooded	3,500	3,500	3,500	3,500
Percentage of Wetlands Frozen	99%	05%	98%	99%

### Waterfowl Species Summary:

Species	Number of Birds observed week of 01/10/2023	Number of Birds observed week of 01/17/2023	Number of Birds observed week of 01/26/2023	Number of Birds observed week of 01/30/2023
Greater White-fronted Goose	125	350	0	0
Snow Goose	3,600	47,700	5	10
Ross's Goose	10	450	0	0
Canada Goose	1,107	3,710	1,159	450
Trumpeter Swan	1,798	3,155	2,223	764
Tundra Swan	2	0	0	0
Wood Duck	0	0	0	0
Gadwall	0	0	0	0
American Wigeon	0	5	0	0
American Black Duck	0	0	0	0
Mallard	2,622	10,455	10,230	1,430
Blue-winged Teal	0	0	0	0
Cinnamon Teal	0	0	0	0
Northern Shoveler	5	0	0	5

Species	Number of Birds observed week of 01/10/2023	Number of Birds observed week of 01/17/2023	Number of Birds observed week of 01/26/2023	Number of Birds observed week of 01/30/2023
Northern Pintail	5	0	5	25
Green-winged Teal	0	0	0	0
Canvasback	0	0	0	0
Redhead	0	0	0	0
Ring-necked Duck	1	0	0	10
Scaup	0	0	0	0
Bufflehead	0	0	0	0
Common Goldeneye	22	275	0	0
Hooded Merganser	0	3	0	0
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	0	0	0	0

Species Group Summary:

Species Group	Total number of birds observed week of 01/10/2023	Total number of birds observed week of 01/17/2023	Total number of birds observed week of 01/26/2023	Total number of birds observed week of 01/30/2023
Geese	4,842	52,210	1,164	460
Dabblers	2,632	10,460	10,235	1,460
Divers	23	278	0	10
All Ducks	2,655	10,738	10,235	1,470
Shorebirds	0	0	0	0

Eagles Summary:

Bald Eagles	Total number of birds observed 01/10/2023	Total number of birds observed 01/17/2023	Total number of birds observed 01/26/2023	Total number of birds observed 01/30/2023
Immature	4	8	13	2
Adult	11	18	28	9
All Eagles	15	26	41	11