

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

Date: 2022-11-22

## 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	11/01/2022 data	11/07/2022 data	11/15/2022 data	11/22/2022 data
Habitat Conditions Rating	Excellent	Excellent	Excellent	Good
Acres of wetlands flooded	2,700	2,825	2,955	3,175
Percentage of Wetlands Frozen	0%	0%	40%	65%

## Waterfowl Species Summary:

Species	Number of Birds observed week of 11/01/2022	Number of Birds observed week of 11/07/2022	Number of Birds observed week of 11/15/2022	Number of Birds observed week of 11/22/2022
Greater White-fronted Goose	2,300	11,000	44,005	49,930
Snow Goose	40	705	29,505	99,585
Ross's Goose	0	35	225	Present
Canada Goose	223	296	654	746
Trumpeter Swan	3	93	102	1,806
Tundra Swan	0	2	0	8
Wood Duck	70	110	25	25
Gadwall	1,760	6,580	3,950	0
American Wigeon	90	270	25	0
American Black Duck	0	0	0	0
Mallard	885	32,495	60,735	94,000
Blue-winged Teal	445	360	0	0
Cinnamon Teal	0	0	0	0
Northern Shoveler	235	870	665	275

Species	Number of Birds observed week of 11/01/2022	Number of Birds observed week of 11/07/2022	Number of Birds observed week of 11/15/2022	Number of Birds observed week of 11/22/2022
Northern Pintail	7,220	22,120	34,115	3,710
Green-winged Teal	5,350	28,205	13,310	4,580
Canvasback	0	0	0	0
Redhead	0	10	0	5
Ring-necked Duck	3,745	13,260	7,120	515
Scaup	350	40	65	10
Bufflehead	0	2	30	1
Common Goldeneye	0	0	0	0
Hooded Merganser	0	30	23	4
Common Merganser	0	0	0	0
Red-breasted Merganser	0	0	0	0
Ruddy Duck	0	45	0	0
Pied-billed Grebe	30	26	10	1
Horned Grebe	0	0	0	0
Eared Grebe	0	0	0	0
American Coot	2,610	3,510	710	155

Species Group Summary:

Species Group	Total number of birds observed week of 11/01/2022	Total number of birds observed week of 11/07/2022	Total number of birds observed week of 11/15/2022	Total number of birds observed week of 11/22/2022
Geese	2,563	12,036	74,389	150,261
Dabblers	16,055	91,010	112,825	102,590
Divers	4,095	13,387	7,238	535
All Ducks	20,150	104,397	120,063	103,125
Shorebirds	22	0	0	0

Eagles Summary:

Bald Eagles	Total number of birds observed 11/01/2022	Total number of birds observed 11/07/2022	Total number of birds observed 11/15/2022	Total number of birds observed 11/22/2022
Immature	1	11	38	180
Adult	6	7	20	107
All Eagles	7	18	58	287