



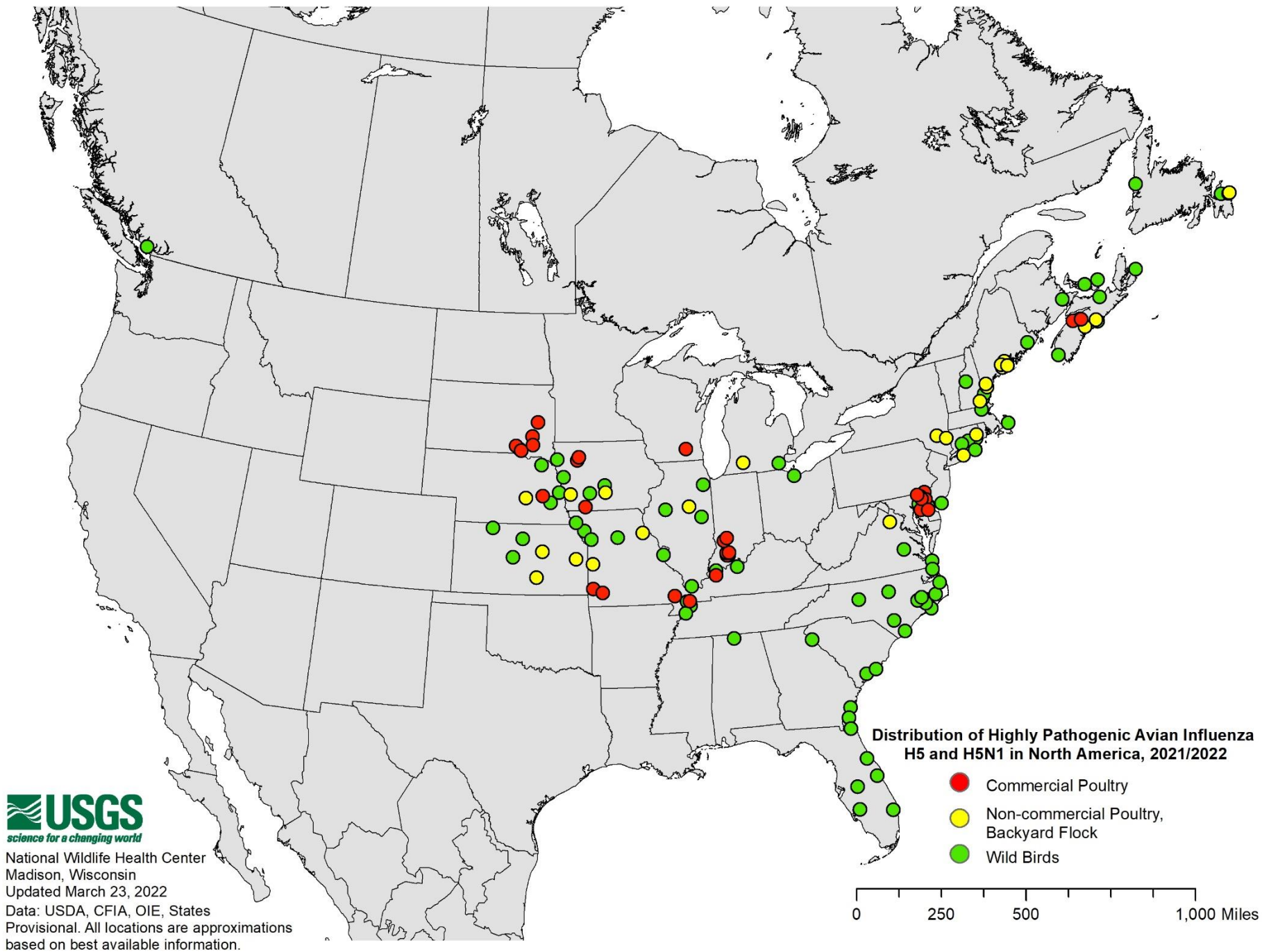
Community for Emerging and Zoonotic Diseases

Identifying emerging risks through collective intelligence

CFIA One Health HPAI Meeting
24 March 2022

www.cezd.ca

USGS Map



National Wildlife Health Center
Madison, Wisconsin
Updated March 23, 2022
Data: USDA, CFIA, OIE, States
Provisional. All locations are approximations
based on best available information.

US Domestic Detections

USDA list of Affected Commercial and Backyard Flocks – states with new detections

Maryland	3/18/2022 3/10/2022 3/8/2022 3/4/2022	Commercial Pullets Commercial Layer Chickens Commercial Broiler Chickens Commercial Layer Chickens
Missouri	3/15/2022 3/9/2022 3/8/2022 3/4/2022 3/4/2022	Backyard mixed species Commercial Turkeys Commercial Turkeys Commercial Broiler Chickens Backyard Mixed Species
Delaware	3/17/2022 3/8/2022 2/22/2022	Commercial Broilers Commercial Pullet Chickens Commercial Poultry
Iowa	3/20/2022 3/17/2022 3/9/2022 3/6/2022 3/1/2022	Backyard mixed species Commercial Layers Commercial Layers Commercial Turkeys Backyard Mixed Species
South Dakota	3/20/2022 3/18/2022 3/18/2022 3/11/2022 3/5/2022	Commercial Turkeys Commercial Turkeys Commercial Turkeys Commercial Turkeys Commercial Mixed Species
New London County, Connecticut	3/1/2022	Backyard Mixed Species

Michigan	2/23/2022	Backyard Flock
Maine	3/19/2022 3/19/2022 3/17/2022 3/14/2022 3/12/2022 2/24/2022 2/19/2022	Backyard mixed species Backyard mixed species Backyard mixed species Backyard mixed species Backyard mixed species Backyard pet chickens Backyard mixed species birds
New York	2/24/2022 2/24/2022 2/19/2022	Captive Wild Birds Backyard Mixed Species Backyard Pet Chickens
Indiana	3/1/2022 2/23/2022 2/16/2022 2/8/2022 2/23/2022 2/23/2022	Commercial Turkeys Commercial Turkeys Commercial Turkeys Commercial Turkeys Commercial Turkeys Commercial Turkeys
Kentucky	2/15/2022 2/12/2022	Commercial Turkeys Commercial Broiler Chickens
Virginia	2/12/2022	Backyard Mixed Species Birds

US Domestic Detections

[USDA list](#) of Affected Commercial and Backyard Flocks
new states with outbreaks reported

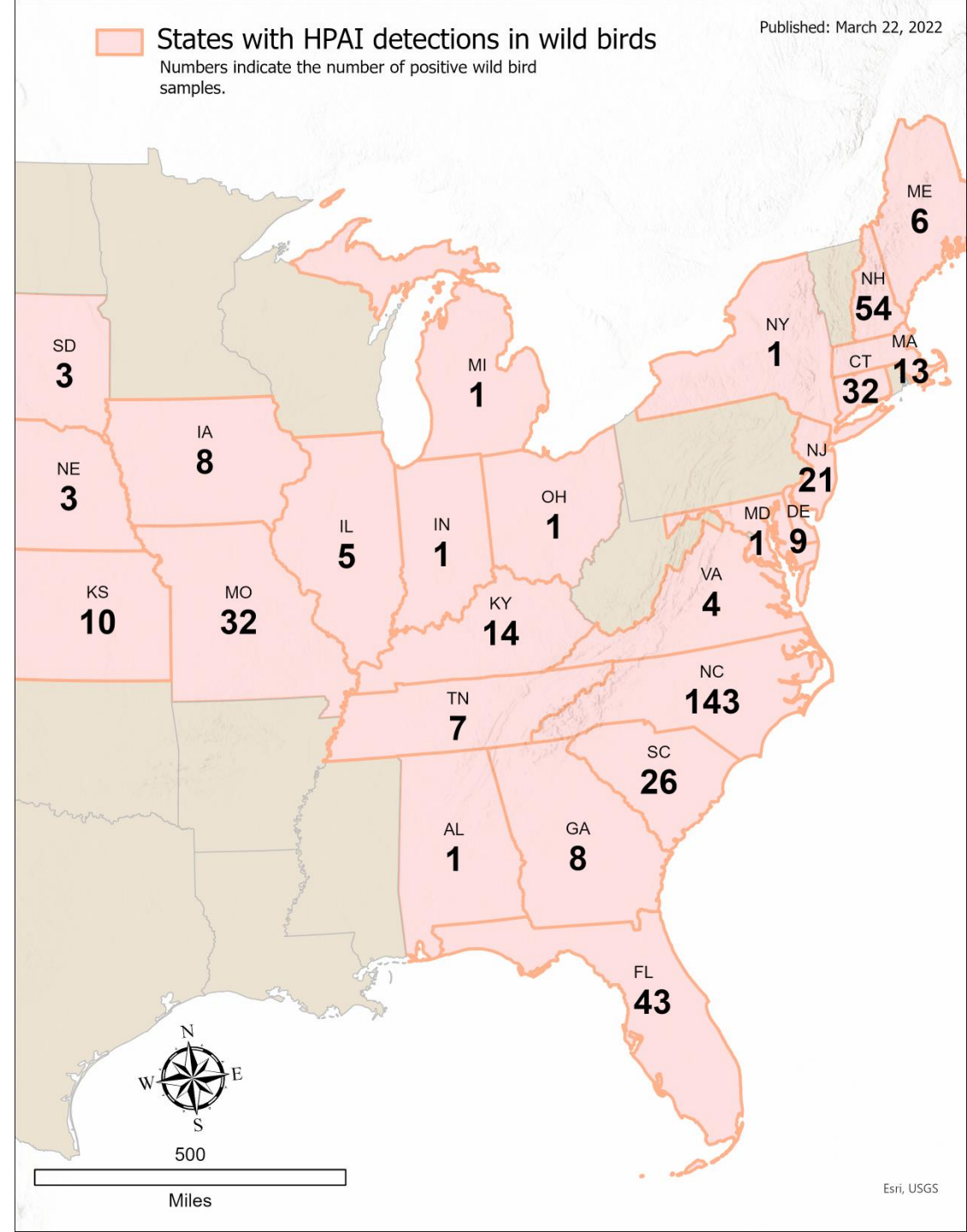
Illinois	3/11/2022	Backyard Mixed Species
Kansas	3/18/2022 3/17/2022 3/11/2022	Backyard Mixed Species Backyard Mixed Species Backyard Mixed Species
Wisconsin	3/14/2022	Commercial Layer Chickens
Nebraska	3/15/2022 3/22/2022	Backyard Mixed Species Commercial Broilers
New Hampshire	3/17/2022	Backyard Mixed Species

US Wild Bird H5N1 Avian Influenza

- [US Wild Bird Information](#)

New States include:

- Iowa
- Illinois
- Ohio
- Michigan
- Nebraska
- Kansas
- South Dakota

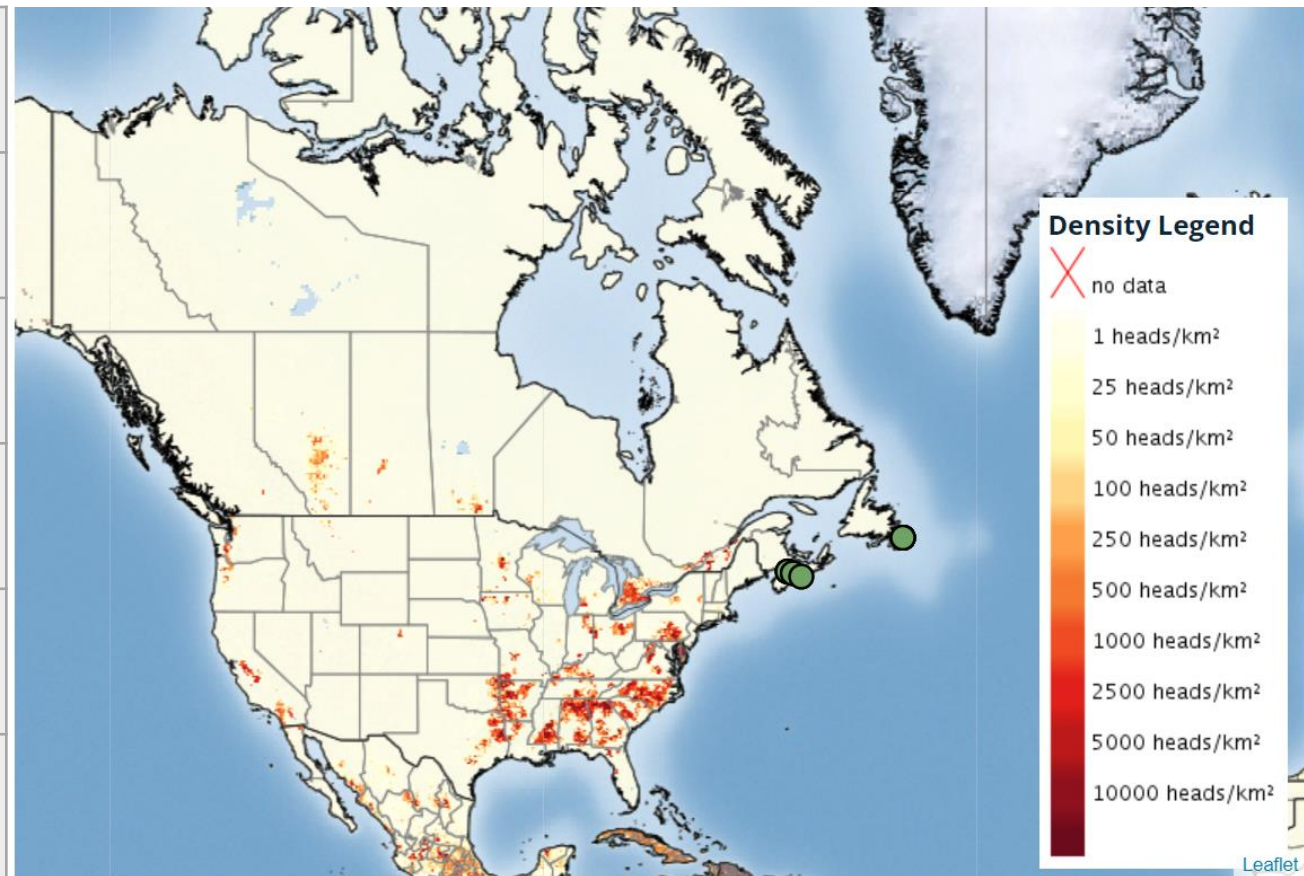


Domestic Detections Since last Meeting

Canadian Detections in Domestic Birds

Southern Nova Scotia	03/15/2022	Backyard Flock
Western Nova Scotia	02/11/2022	Backyard Flock
Western Nova Scotia	02/03/2022	Commercial Flock
Eastern Nova Scotia	02/01/2022	Backyard Flock
Newfoundland and Labrador	01/09/2022	Backyard Flock
Newfoundland and Labrador	12/20/2021	Mixed Exhibition Flock

Canadian Detections in Domestic Birds

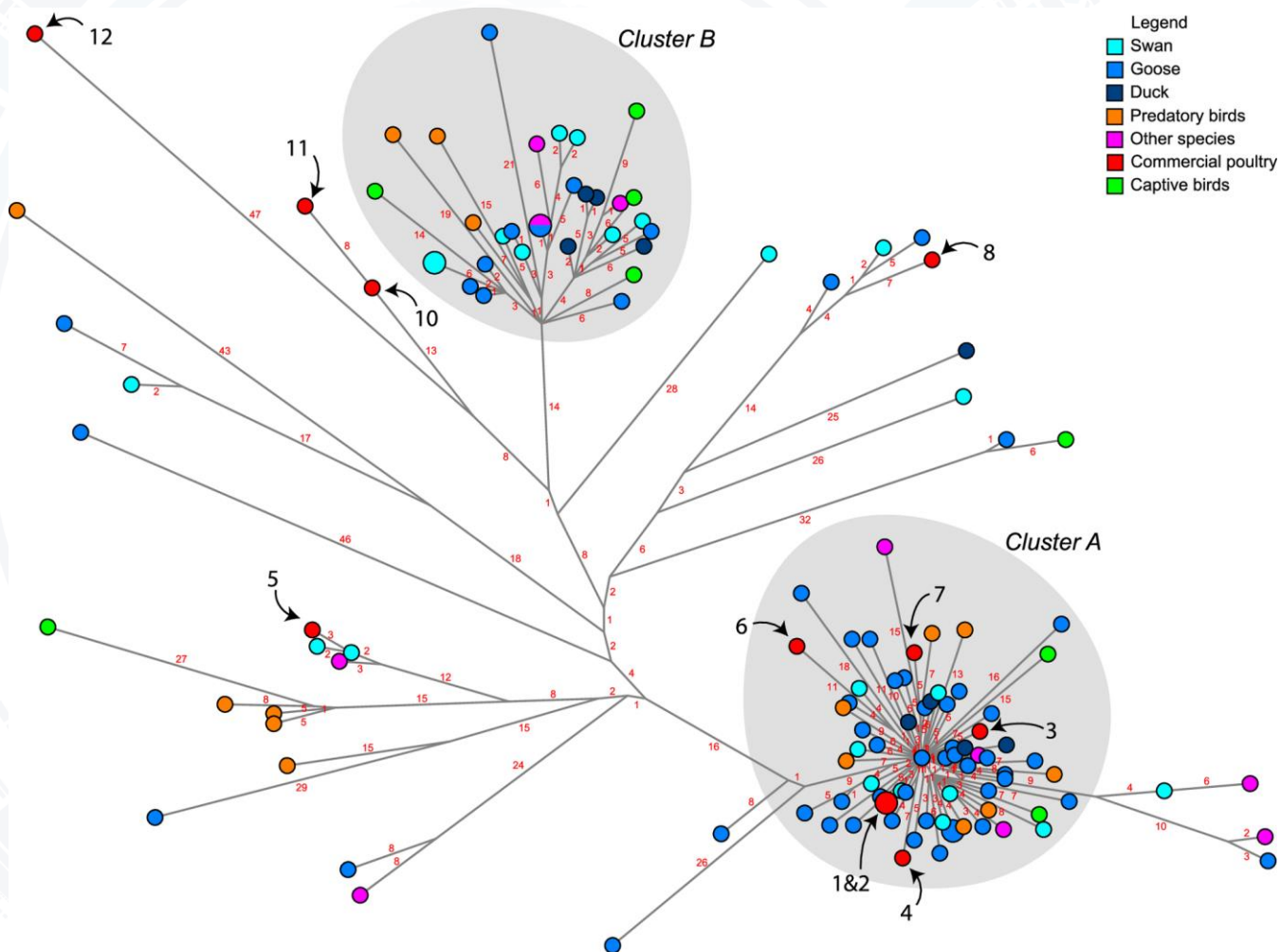


Wild Bird H5N1 Avian Influenza

- [Canadian Wild Bird Information](#)
 - New Provinces
 - Ontario
 - British Columbia
 - PEI
 - Nova Scotia
 - Newfoundland and Labrador
 - New Brunswick



Scientific Findings



- Multiple Introductions of Re-assorted Highly Pathogenic Avian Influenza H5Nx Viruses Clade 2.3.4.4b Causing Outbreaks in Wild Birds and Poultry in The Netherlands, 2020-2021 | Microbiology Spectrum (asm.org)
- Retrospective analysis of outbreaks October 2020 and June 2021
- H5N8, H5N1
- Independent introductions on 10 Commercial farms
- 12 commercial poultry, 8 captive bird facilities