



Community for Emerging and Zoonotic Diseases
Identifying emerging risks through collective intelligence

CFIA One Health HPAI Meeting
3 March 2022

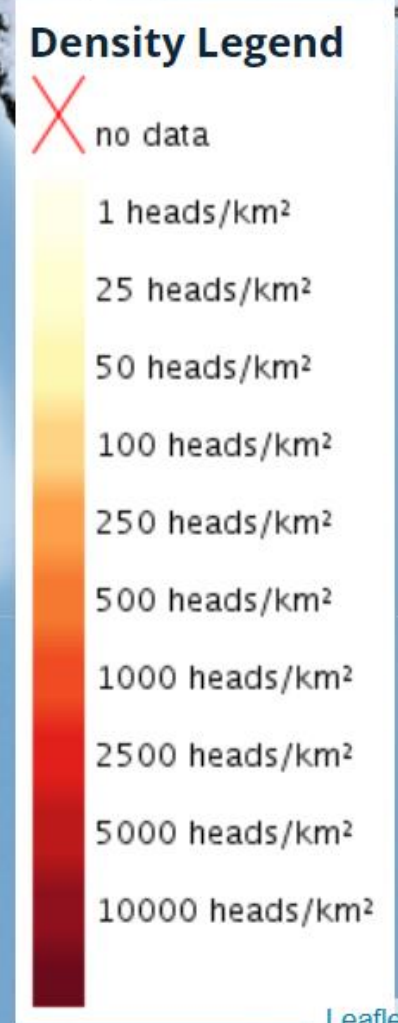
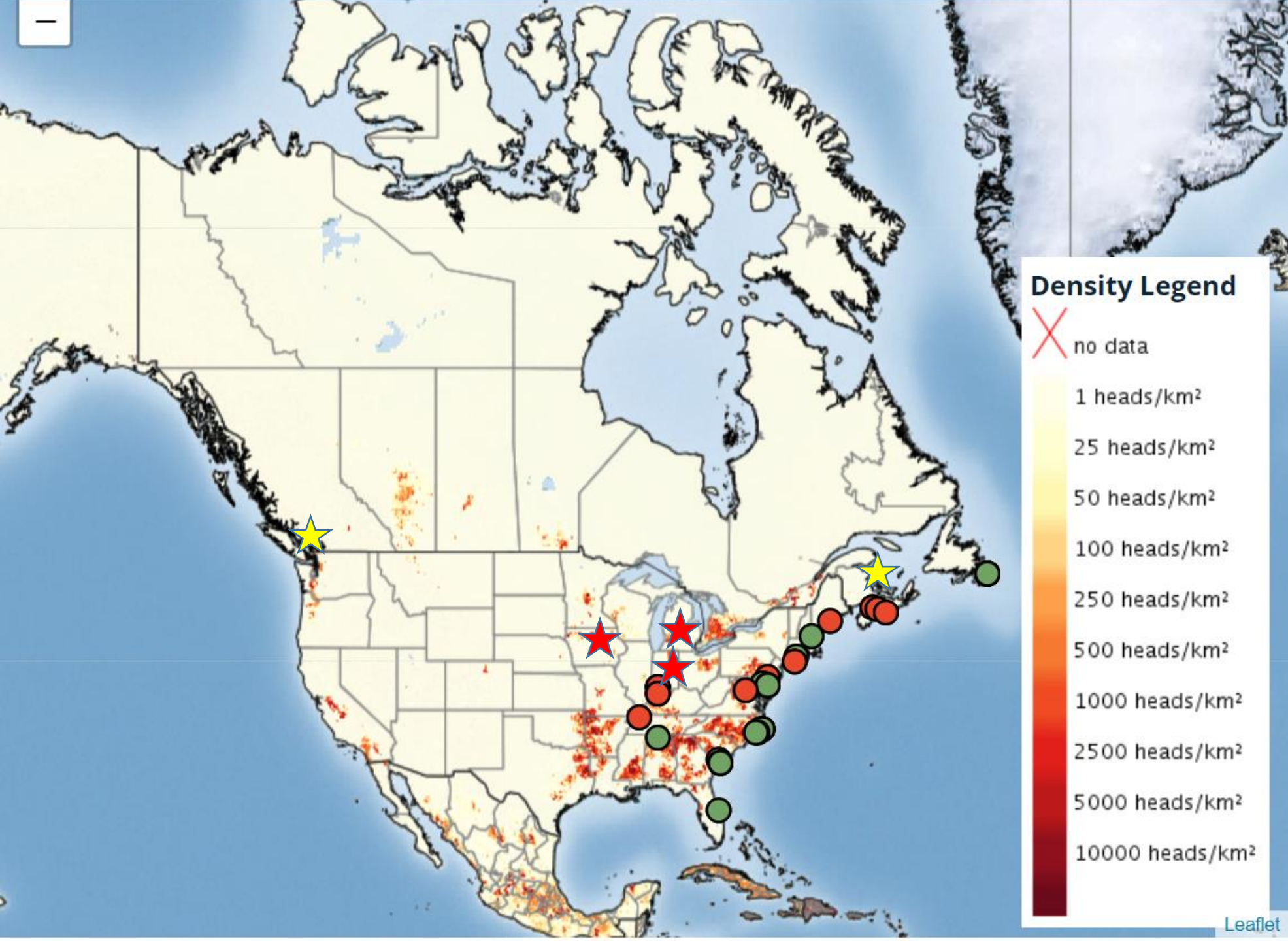
www.cezd.ca

Empress I Map

Red = domestic

Green = Wild

NB: not up to date



US Domestic Detections

[USDA list](#) of Affected Commercial and Backyard Flocks

Missouri	03/03/2022	Commercial Broiler Chickens
Dubois County Indiana	3/1/2022	Commercial Turkeys
Pottawattamie County, Iowa	3/1/2022	Backyard Mixed Species (non-poultry)
New London County, Connecticut	3/1/2022	Backyard Mixed Species (non-poultry)
Dutchess County, New York	2/24/2022	Backyard Mixed Species (non-poultry)
Ulster County, New York	2/24/2022	Captive Wild Birds (non-poultry)
Kalamazoo Michigan	2/24/2022	Backyard Flock
Knox County Maine	2/24/2022	Backyard pet birds

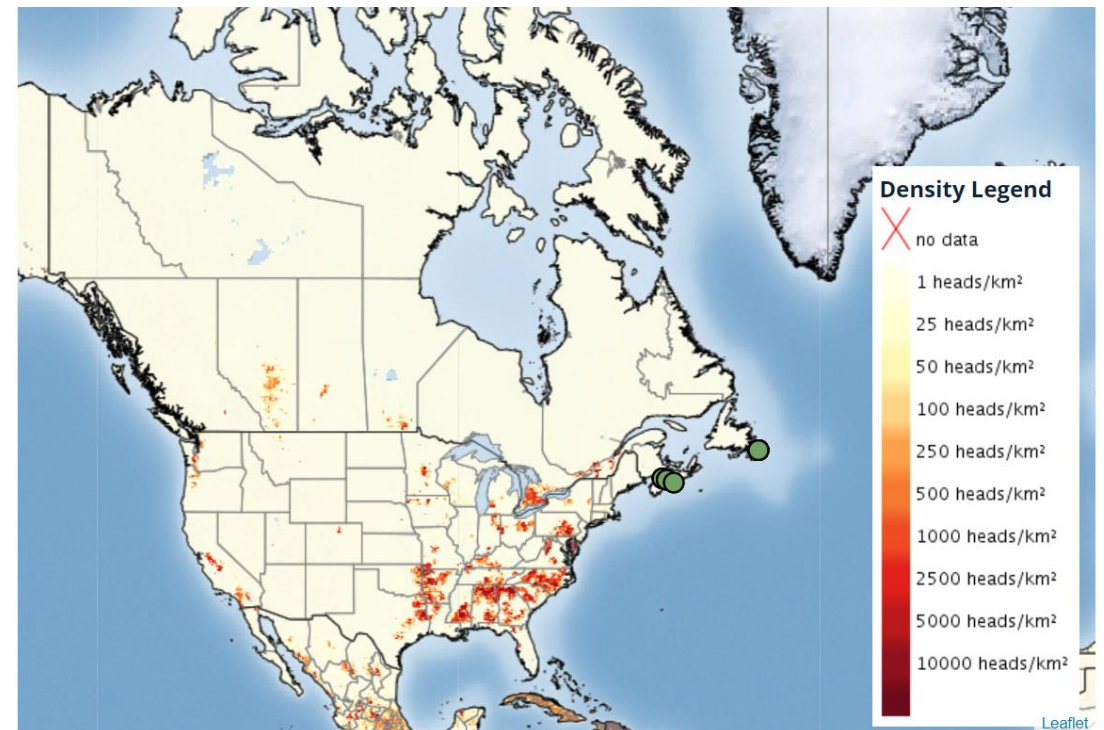
Greene County Indiana	2/23/2022	Commercial Turkeys
Green County Indiana	2/23/2022	Commercial Turkeys
New Castle County, Delaware	2/22/2022	Commercial Poultry
Suffolk County, NY	2/19/2022	Backyard Pet Chickens
Knox County, Maine	2/19/2022	Backyard Mixed Species Birds
Dubois County, Indiana	2/23/2022	Commercial Turkeys
Dubois County, Indiana	2/16/2022	Commercial Turkeys
Dubois County, Indiana	2/8/2022	Commercial Turkeys
Webster County, Kentucky	2/15/2022	Commercial Turkeys
Fauquier County, Virginia	2/12/2022	Backyard Mixed Species Birds (non-poultry)
Fulton County, Kentucky	2/12/2022	Commercial Broiler Chickens

Domestic Detections Since last Meeting

Canadian Detections in Domestic Birds

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

- **British Columbia (dead bird)**
- **PEI (dead bird)**
- Nova Scotia (dead bird survey)
- Newfoundland and Labrador (dead and live surveys)
- New Brunswick (dead bird survey)

• US Wild Bird Information

- **Kentucky (Dead Bird)**
- **Alabama (Hunter Harvest)**
- North Carolina (Hunter harvest)
- South Carolina (Hunter harvest)
- Florida (Hunter harvest)
- New Hampshire (live bird)
- Delaware (Hunter Harvest)
- Maryland (live bird)
- Connecticut (live bird)
- Virginia Beach (Hunter Harvest)
- Georgia (Hunter Harvest)

International Detections of Concern

Ongoing reports of infections across Europe, Asia and Africa, see CEZD weekly intelligence reports for more information

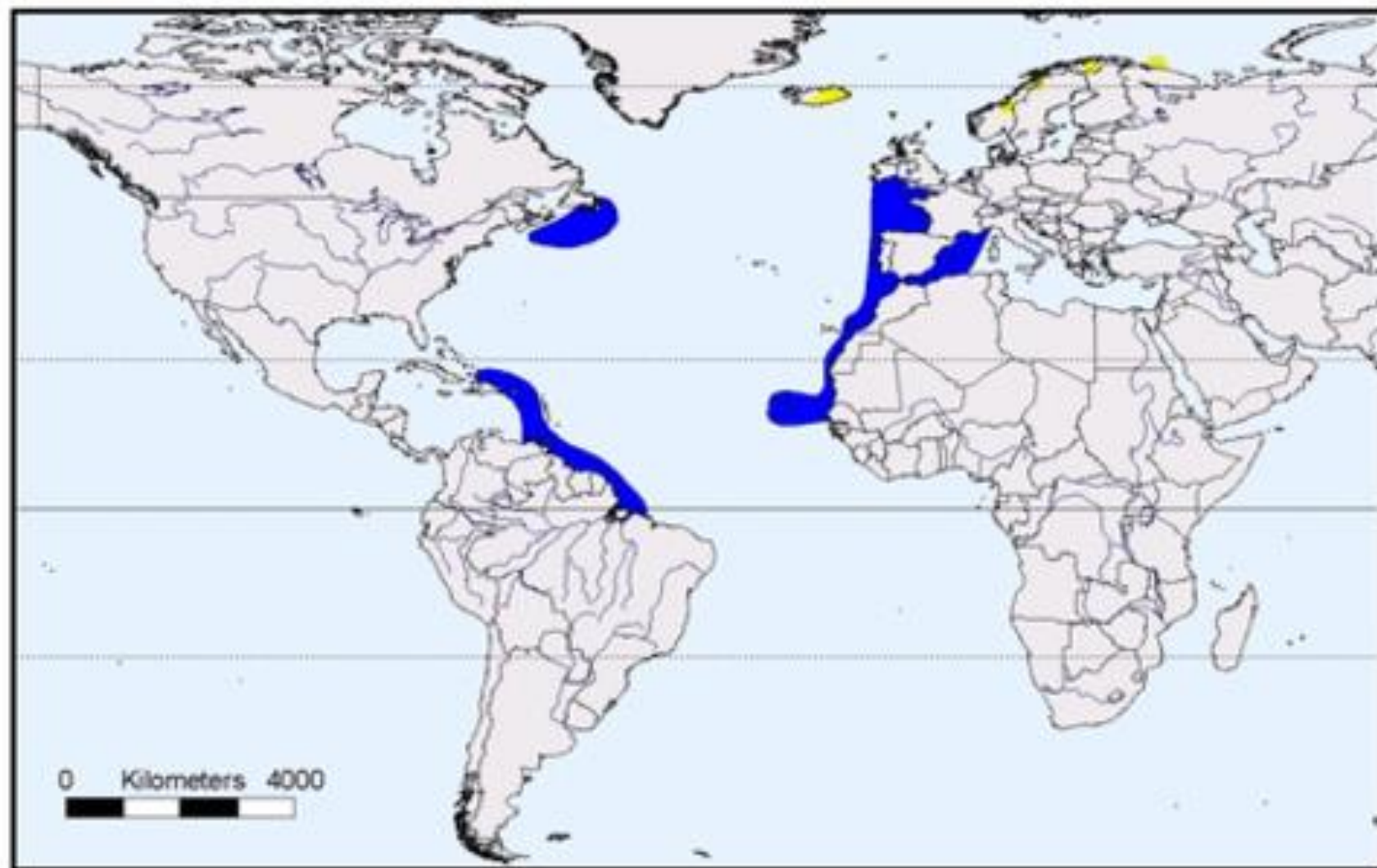
Feb 21-27, 2022	Europe, Asia, Africa	CEZD-Weekly-Intelligence-Report-21-27-February-2022.pdf
Feb 14-20, 2022	Europe, Asia	CEZD-Weekly-Intelligence-Report-14-20-February-2022.pdf
Feb 7–13, 2022	Europe Asia Africa	CEZD-Weekly-Intelligence-Report-07-13-February-2022.pdf

Publication of Interest

Detection of Highly Pathogenic Avian Influenza Virus H5N1 Clade 2.3.4.4b in Great Skuas: A Species of Conservation Concern in Great Britain

<https://www.mdpi.com/1999-4915/14/2/212>

- July 2021 observational die-offs of great skuas
- Mass mortality events were seen across different breeding populations on several islands off the Scottish mainland.
- **Timeline:** dead birds found at geographically distant sites, likely reflecting independent incursions of disease at time when movement between islands was not expected
- Breeding productivity very low
- Adult birds spend the winter months at sea off the coast of Newfoundland (Canada), Ireland and northwest Africa



Stercorarius skua

breeding
 feeding, wintering
 resident

digitised by GROMS, after
del Hoyo et al. 1991-1999,
www.hbw.com

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