

Mapping Established Strongholds for Invasive Wild Pig Populations on the Canadian Prairies



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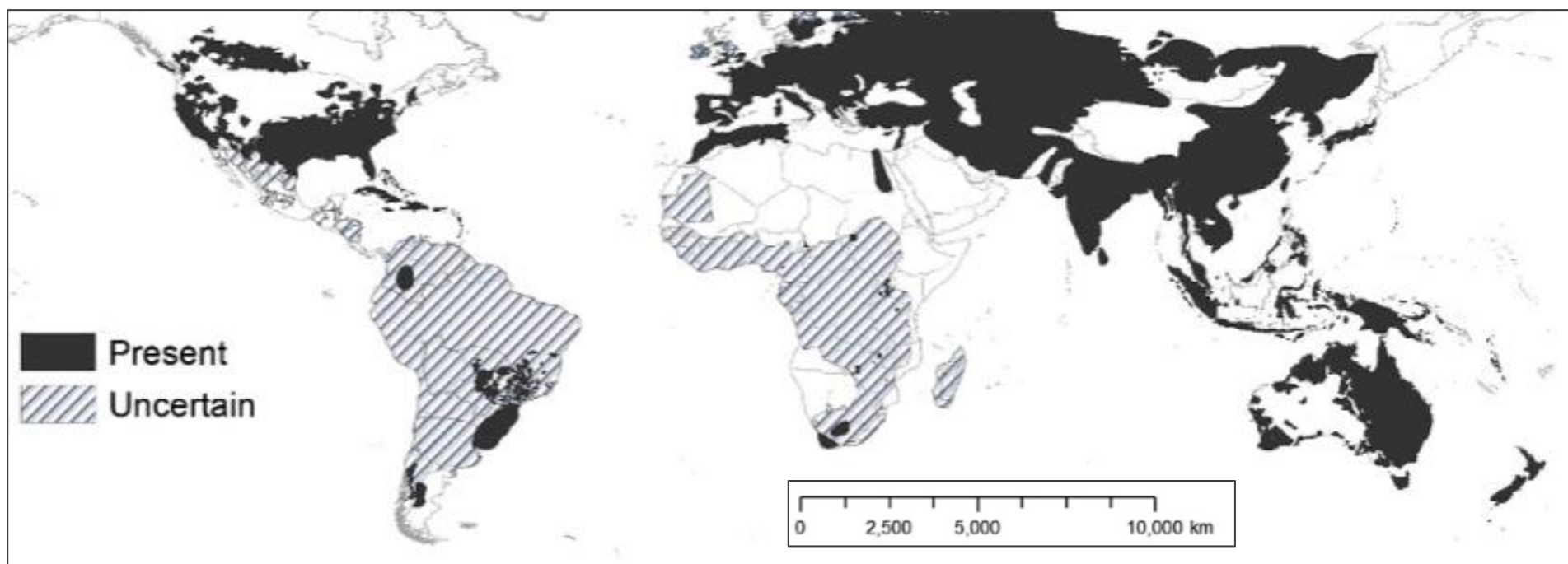
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"Complex problems have simple, easy to understand wrong answers."

Grossman's Law



Global Distribution of Free-Ranging Wild Pigs



Geographic range of wild pigs across their native and non-native global distribution.



Domestic Wild Boar Farms In Canada: started in the **1980s**, wild boar from Europe, **crossed** with **domestic pig**, escaped and released on many occasions (**ongoing problem**).

A satellite map of Canada with several regions highlighted in red. These red areas are concentrated in the western provinces (British Columbia, Alberta, Saskatchewan), the southern part of the Prairie Provinces, and along the Atlantic coast (New Brunswick, Nova Scotia, and parts of New England). The rest of the country, including the northern territories and central Canada, is shown in natural colors.

Canadian Domestic Wild Boar Farms: production peaked in **2001** in Canada at **500 farms+32,000 animals** (Stats Canada).

You can't be surprised to find free-ranging wild pigs anywhere in this area.

Top 10 ChatGTP suggestions for alternatives to 'Super Pigs':

1. Razorbacks of Ruin
2. Boarzilla Horde
3. Tusked Titans
4. Feral Swine Savages
5. Porkapocalypse Plague
6. Juggernaut Hogs
7. Tusker Terrors
8. Wild Boar Berserkers
9. Hogzilla Onslaught
10. Havoc Hogs







DO NOT EAT
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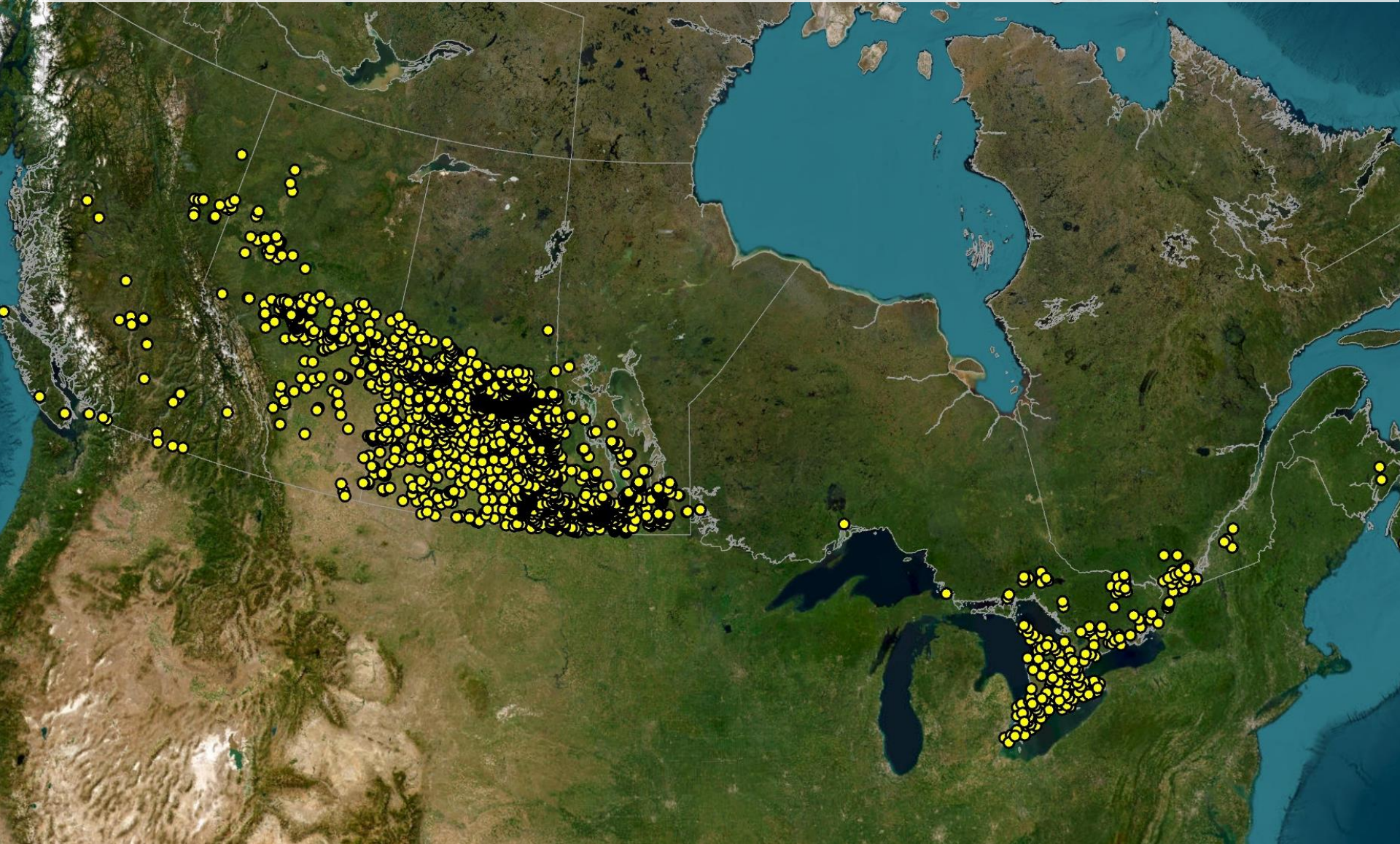




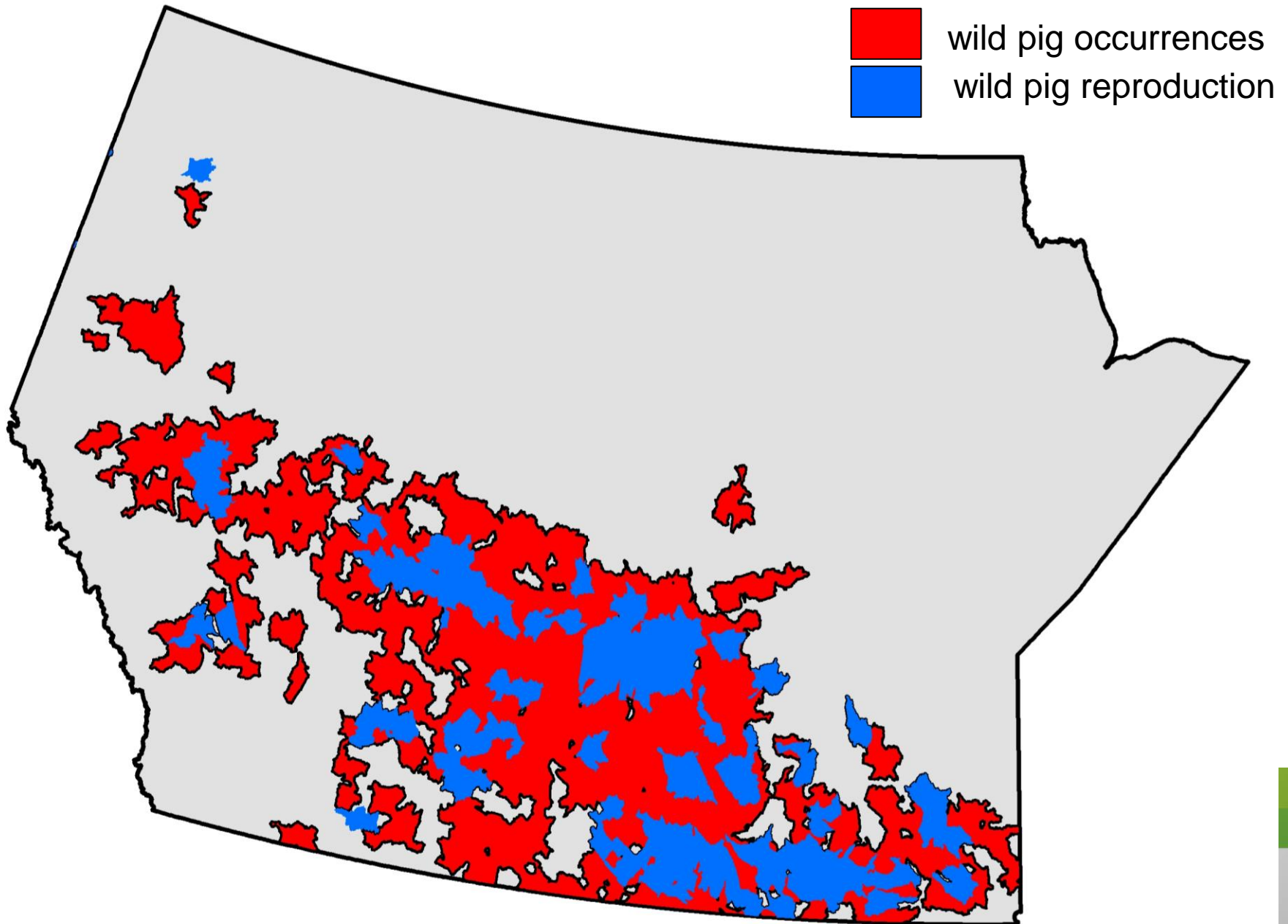
RYAN

EVERYO

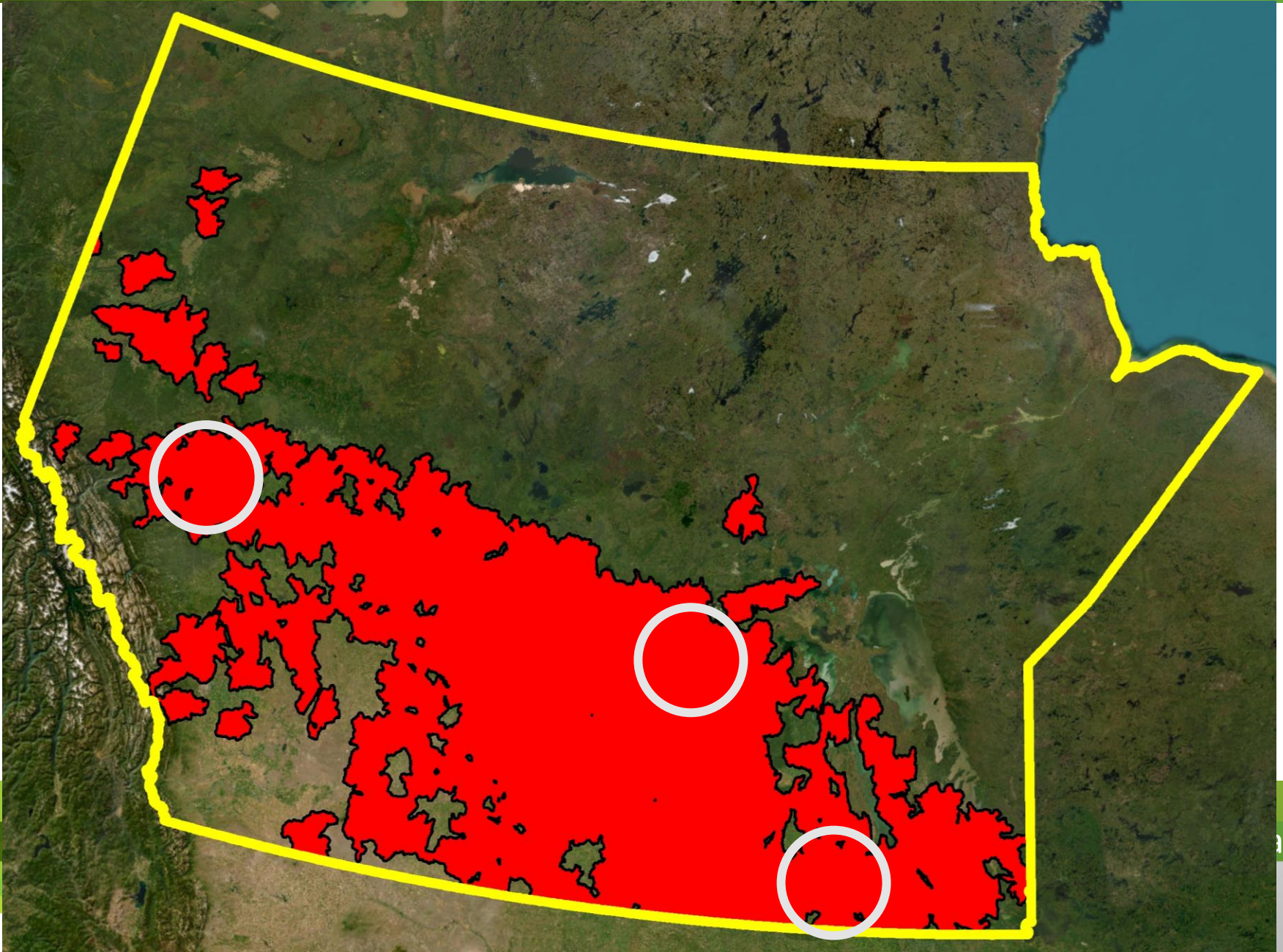
All Occurrences 1986-2024 (n=65,000)
THE TWO PIG PROBLEM



Free-ranging Wild Pig Expansion in Canada (2023)



Wildlife Pig Strongholds in Western Canada



Wildlife “Stronghold”

- Not well defined in the literature.
- An area that has the highest concentration of animals over a large enough area that the species is likely to persist over the long term (decades/centuries).
- Source from which animals can disperse to establish or supplement other smaller populations.
- A key positive aspect of conservation.
- A key problem for invasive species (two pig problem).

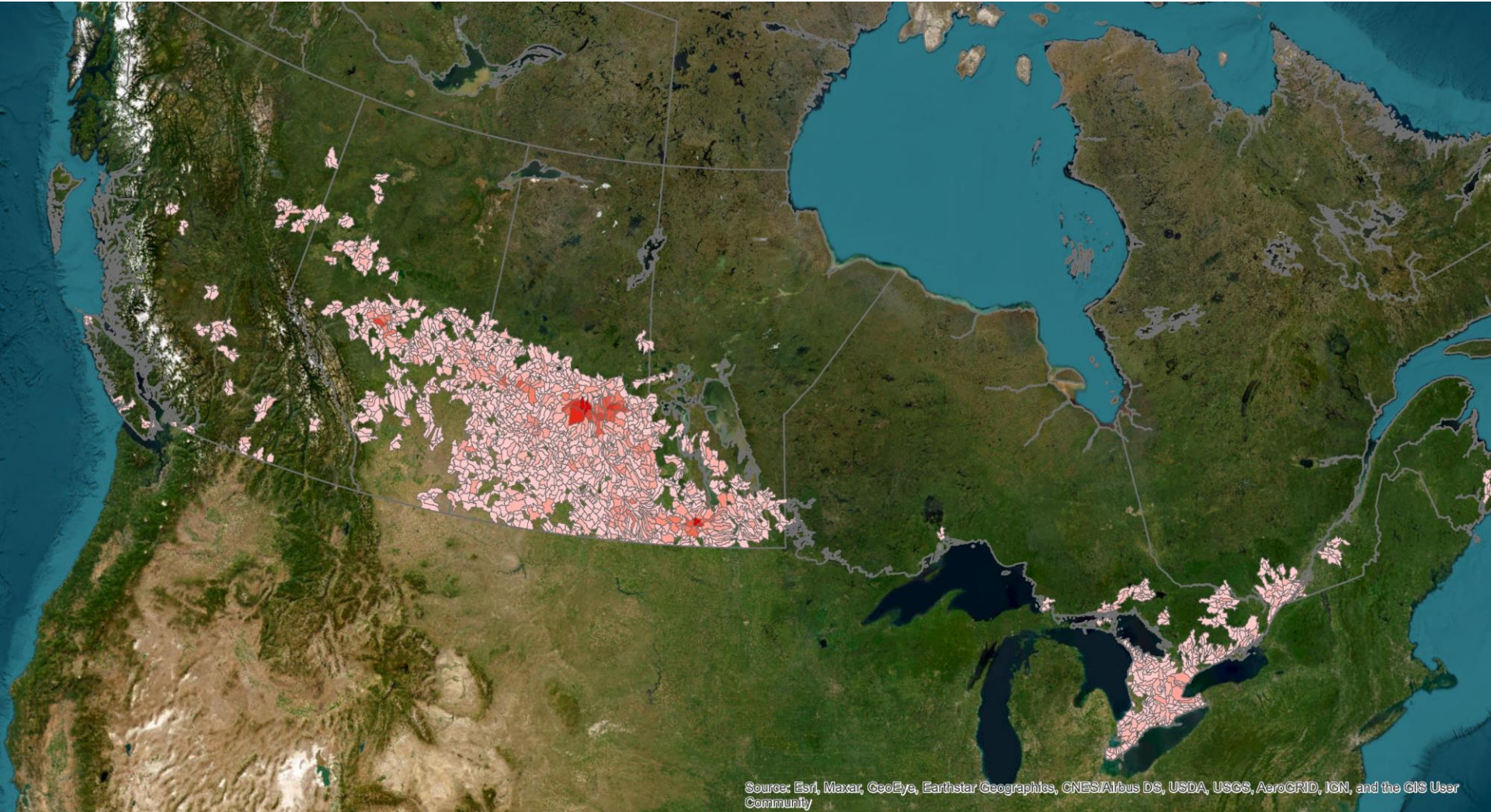
Wildlife “Stronghold”

- Need consistent **quantitative** methods for defining a **stronghold**:
 - overall **distribution** of the species
 - evidence of **reproduction**
 - highest **density** areas (long-term, 10+ years)
 - define a minimum size (species specific)

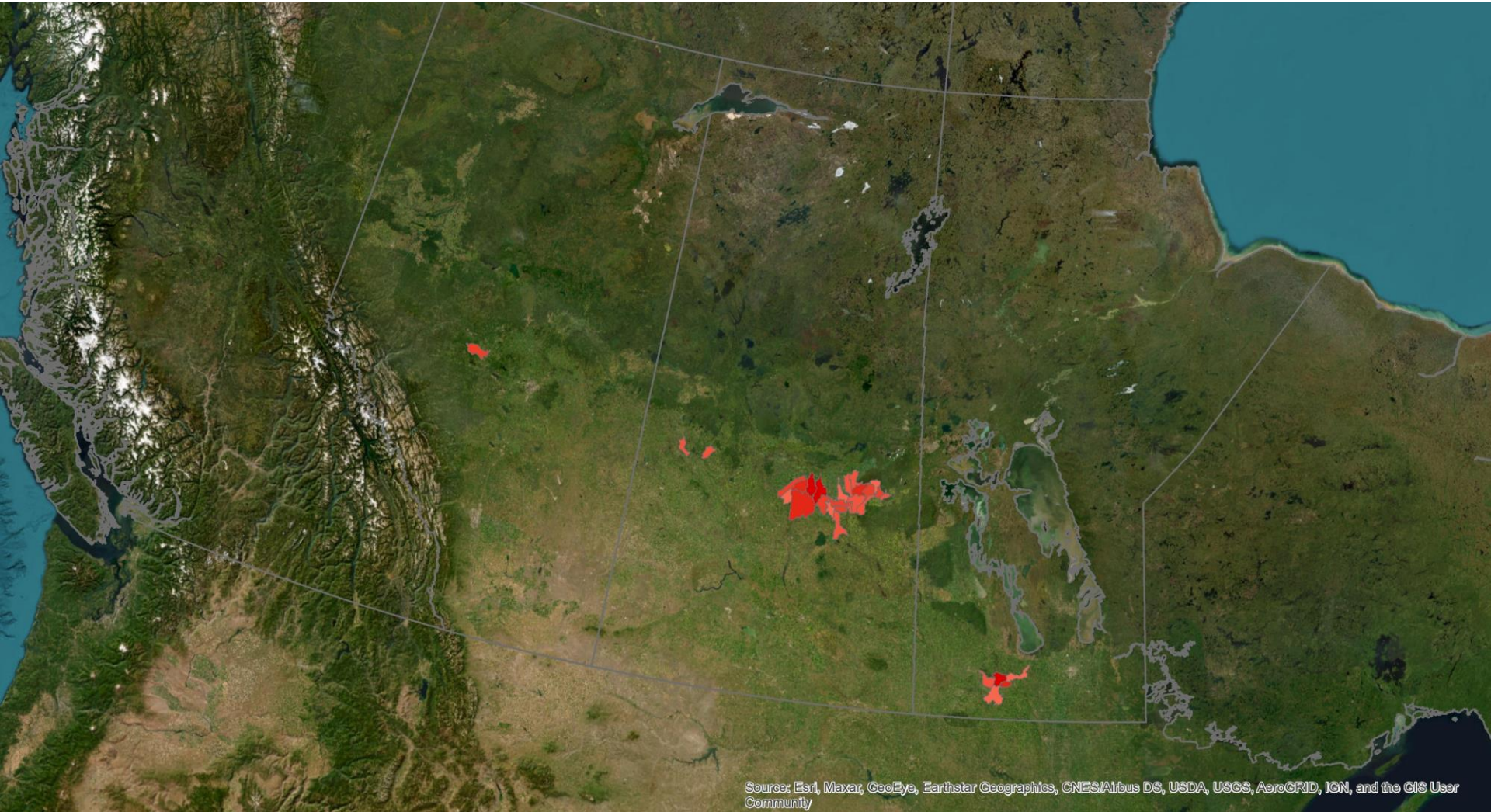
Wild Pigs in Canada

- 67,073 occurrences across Canada 1986-2024
- 57% over the last three years (exponential growth)
- 32% of all locations in 2023
- Still expanding completely out of control.
- Long past the point of potentially eradicating from Canada.
- 97% of all occurrences are in the Prairie Provinces (Alberta, Saskatchewan, Manitoba).
- 71% Saskatchewan, 23% Manitoba, 6% Alberta.

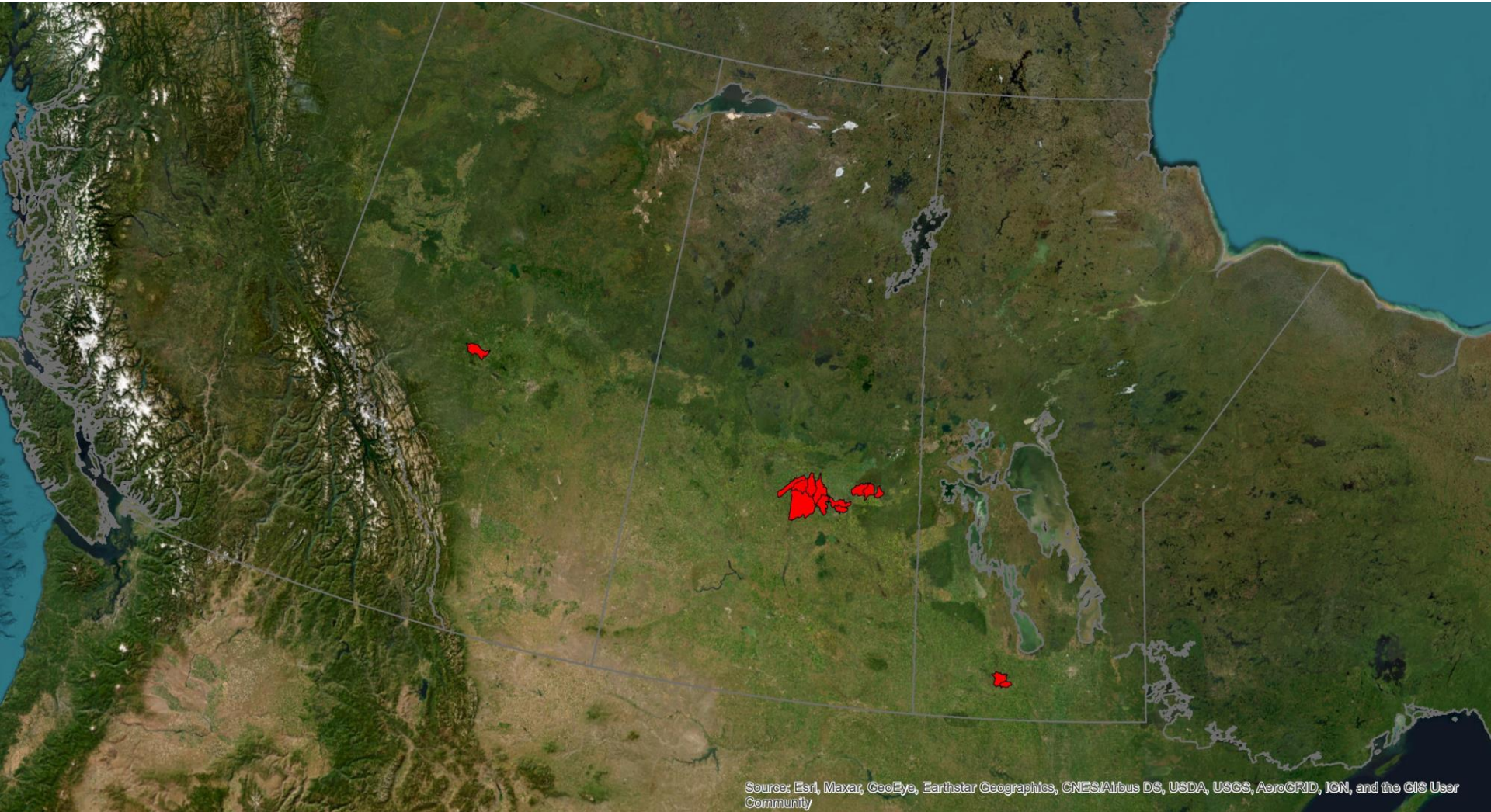
All Watersheds With Wild Pigs (last 12 years)



All Watersheds >80 occurrences (last 12 years)



All Watersheds >250 occurrences (last 12 years)





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