



Canadian Food
Inspection Agency

Agence canadienne
d'inspection des aliments

Canada Report to the National Plant Board (U.S.)

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Kalispell, MT; August 2019



Canada

Canada Report, 2019

- CFIA and Canada's Plant Health Program
- Plant Pest Info and Updates
- Closing thoughts

CFIA and Plant Health

- The Canadian Food Inspection Agency (CFIA) is Canada's National Plant Protection Organization.
- Protect Canada's agriculture, forestry, natural resources from the economic and environmental impact of introduced plant pests:
 - Prevent import, export and spread of plant pests;
 - Regulate the import, export and domestic movement of agricultural and forest products and other things;
 - Facilitate access to foreign markets - phytosanitary perspective.
- Partners: other federal departments and agencies (e.g., CBSA, AAFC, NRCCan, GAC), provincial / territorial governments, industry, academia, citizens, contracting parties to the IPPC.

Changes in Plant Health Programs at the CFIA

- In October 2018, the CFIA split its plant health programs between two branches: Policy and Programs Branch (PPB) and International Affairs Branch (IAB).
- PPB remains responsible for import and domestic programs, export programs with the US, and technical standards (content).
- IAB is responsible for export programs (other than US) and international aspects of standards and initiatives (engagement).

Canada – U.S. Plant Health Initiatives



- Greenhouse Certification Program.
- “Beyond the border”-type initiatives, including Asian Gypsy Moth.
- North American Sea Container Initiative.
- E-commerce.
- In-transit
- Information sharing e.g., Cherry Leaf Roll Virus.
- Approach to third country engagement.



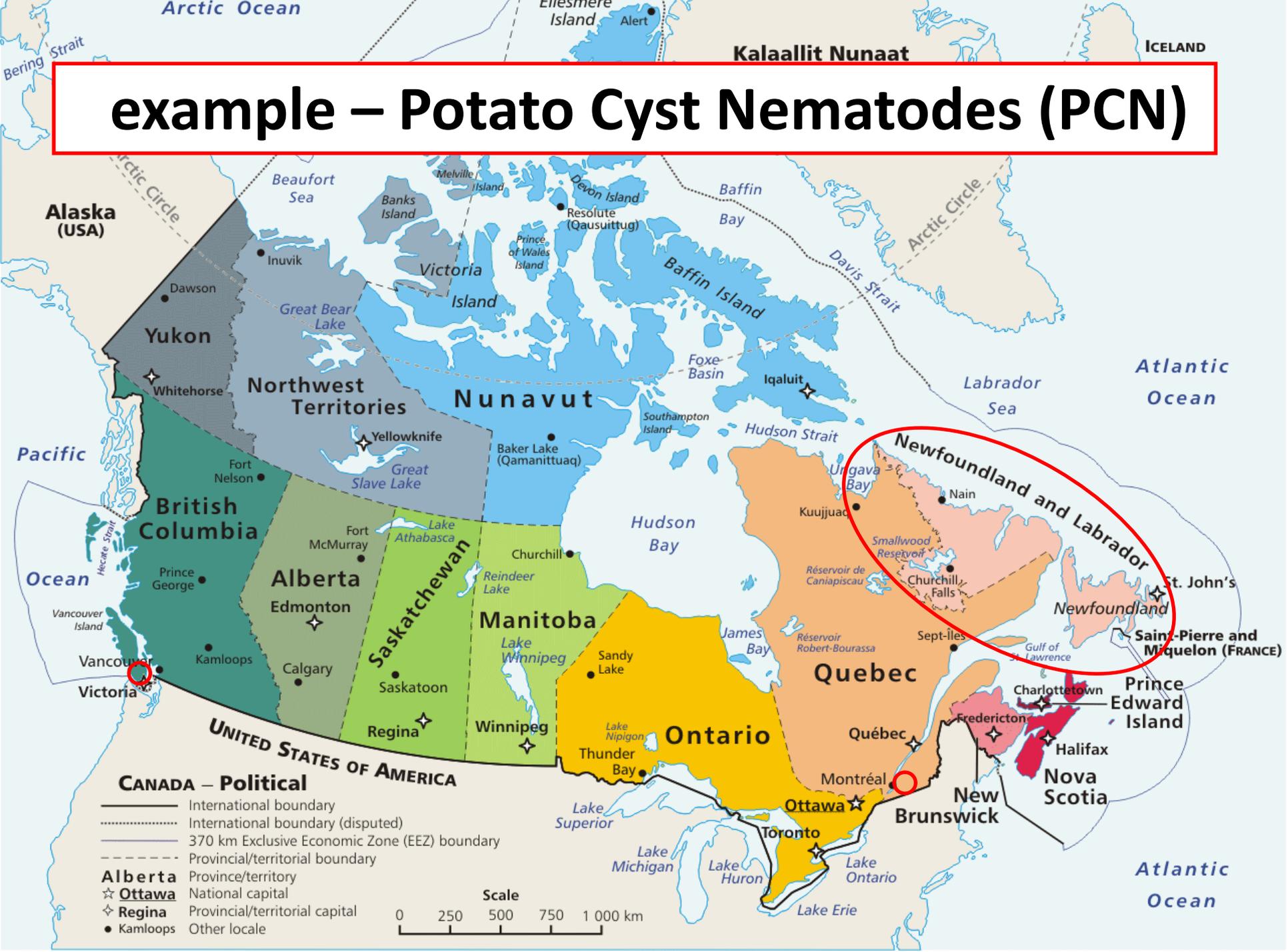
Asian Gypsy Moth (AGM) Vessel Certification Program

- Vessel pre-departure certification program is lowering the AGM risk to North America.
- High level of compliance with requirement to obtain certificates.
- In 2018 and 2019: high AGM populations reported in some regulated areas → AGM detections on more incoming vessels in 2019 (25 detections to date; 5 ordered out).
- But we had anticipated and prepared for this event, due to:
 - On-going engagement with AGM regulated areas
 - Understanding of cyclical nature of AGM populations.
- Joint APHIS-CFIA bulletin issued to shipping industry in July 2019 regarding high populations and need for checking of vessels by crews en route to North America.

Pest and program updates

- This year's surveys are still underway and will continue into the Fall.
- Annual survey report summaries are available on our website:
www.inspection.gc.ca .
- Full survey reports are available on request (link is on the website).

example – Potato Cyst Nematodes (PCN)

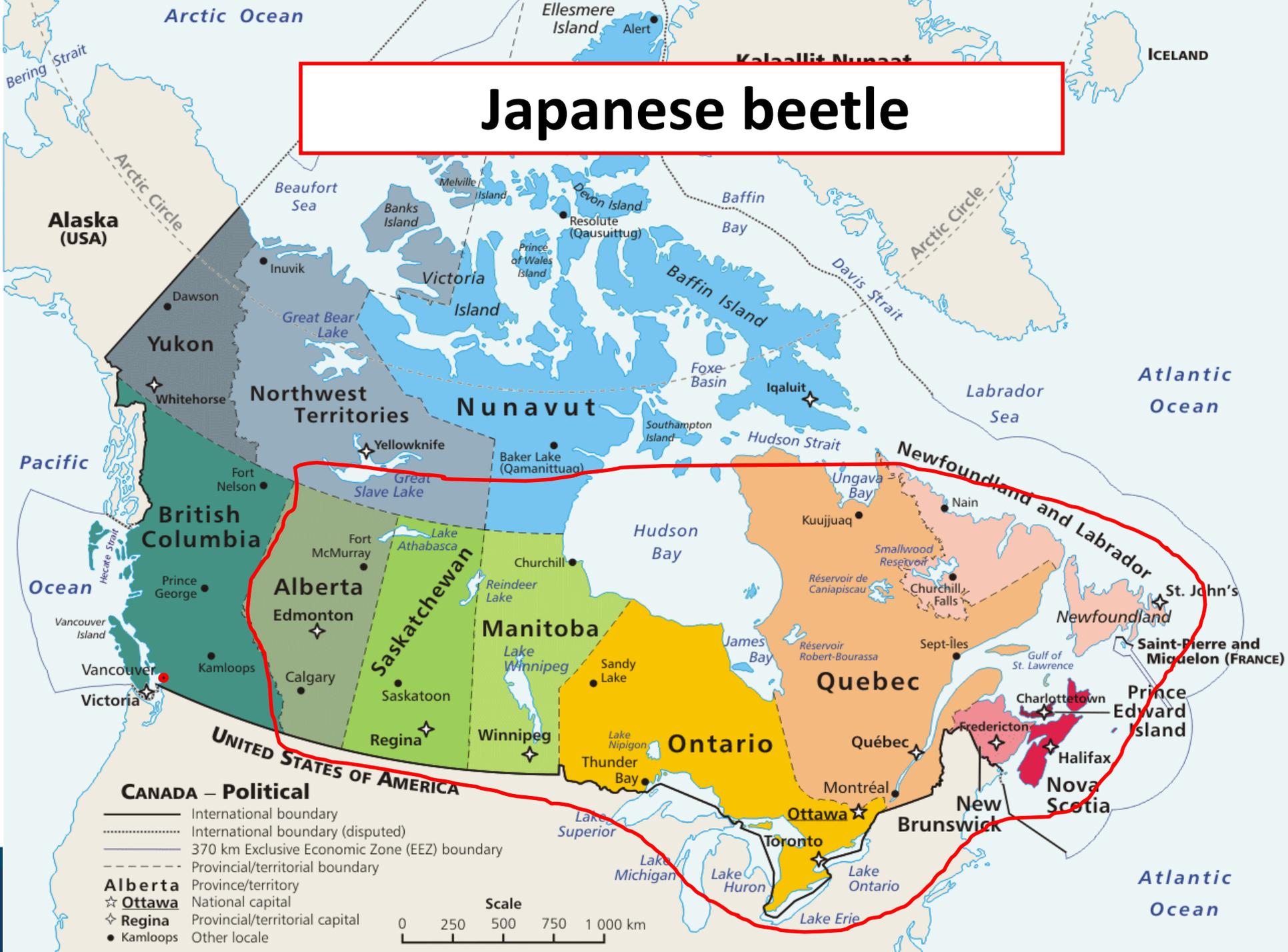


CANADA – Political

- International boundary
- - - - - International boundary (disputed)
- 370 km Exclusive Economic Zone (EEZ) boundary
- - - - - Provincial/territorial boundary
- Alberta** Province/territory
- ☆ **Ottawa** National capital
- ☆ **Regina** Provincial/territorial capital
- **Kamloops** Other locale



Japanese beetle



Japanese Beetle



- The Japanese Beetle Eradication Program is in its second year.
 - led by the province of British Columbia (BC); various government and industry stakeholders.
- CFIA is surveying for Japanese Beetle within the regulated area and throughout Metro Vancouver and the Fraser Valley.
- Detections expected within the regulated area June 15 to October 15 (flying period for adult beetles).
- Results will help to assess whether treatments by the City of Vancouver and Province of BC are working as expected.
- CFIA will publish the full survey results on its website at the end of 2019.

European Cherry Fruit Fly



European cherry fruit fly locations

Initial detection site (Mississauga, ON)



Niagara gorge / Niagara River

European Cherry Fruit Fly



- Considered established in Ontario; not known to occur in the rest of Canada.
- Found only in association with invasive *Lonicera* spp. and wild *Prunus* spp. in Ontario.
- No detections in commercial cherry production in Canada.
- Domestic movement restrictions on fresh cherries from Ontario put in place June 1, 2017.
- First revision of directive D-17-03 regulates fresh cherry imports from the US; published June 28, 2019 (under review).

Cherry Leaf Roll Virus



Cherry Leaf Roll Virus

- Cherry Leaf Roll Virus is a regulated pest of Canada.
- May 2019: CFIA confirmed CLRV in propagative *Prunus* species nursery stock associated with the Canadian Fruit Tree Export Program (CFTEP) and suspended CFTEP.
- Conducted trace forward and trace back investigation; determined that no infected material entered the CFTEP as certified material. Program re-established on June 14, 2019.
- A Notice of Prohibition or Restriction of Activity in place for all cherry nursery stock and propagative material at two facilities.
- CFIA will continue to assess the domestic impact of this detection and to determine next steps.
 - Reached out to APHIS and Washington State to discuss pest management and surveillance strategies.

Light Brown Apple Moth

- Not present in Canada.
- Relaxing LBAM-related phytosanitary requirements.
- D-07-03 - Phytosanitary import requirements to prevent the entry of *Epiphyas postvittana* (light brown apple moth): Removing phytosanitary requirements for cut flowers and fresh branches from California destined to Canadian provinces other than British Columbia (BC).
- Removing requirement of phytosanitary certificate for regulated articles in-transit through BC under these 4 Directives:
 - D-07-03: Phytosanitary import requirements to prevent the entry of *Epiphyas postvittana* (light brown apple moth); D-95-08: Phytosanitary import requirements for fresh temperate fruits and tree nuts; D-00-07: Phytosanitary requirements to prevent the introduction and spread of apple maggot, *Rhagoletis pomonella* (Walsh); D-99-04: Systems Approach Based Oriental Fruit Moth Certification Program.
- Updated Directives will be published by early September.

Hemlock Woolly Adelgid



Hemlock Woolly Adelgid



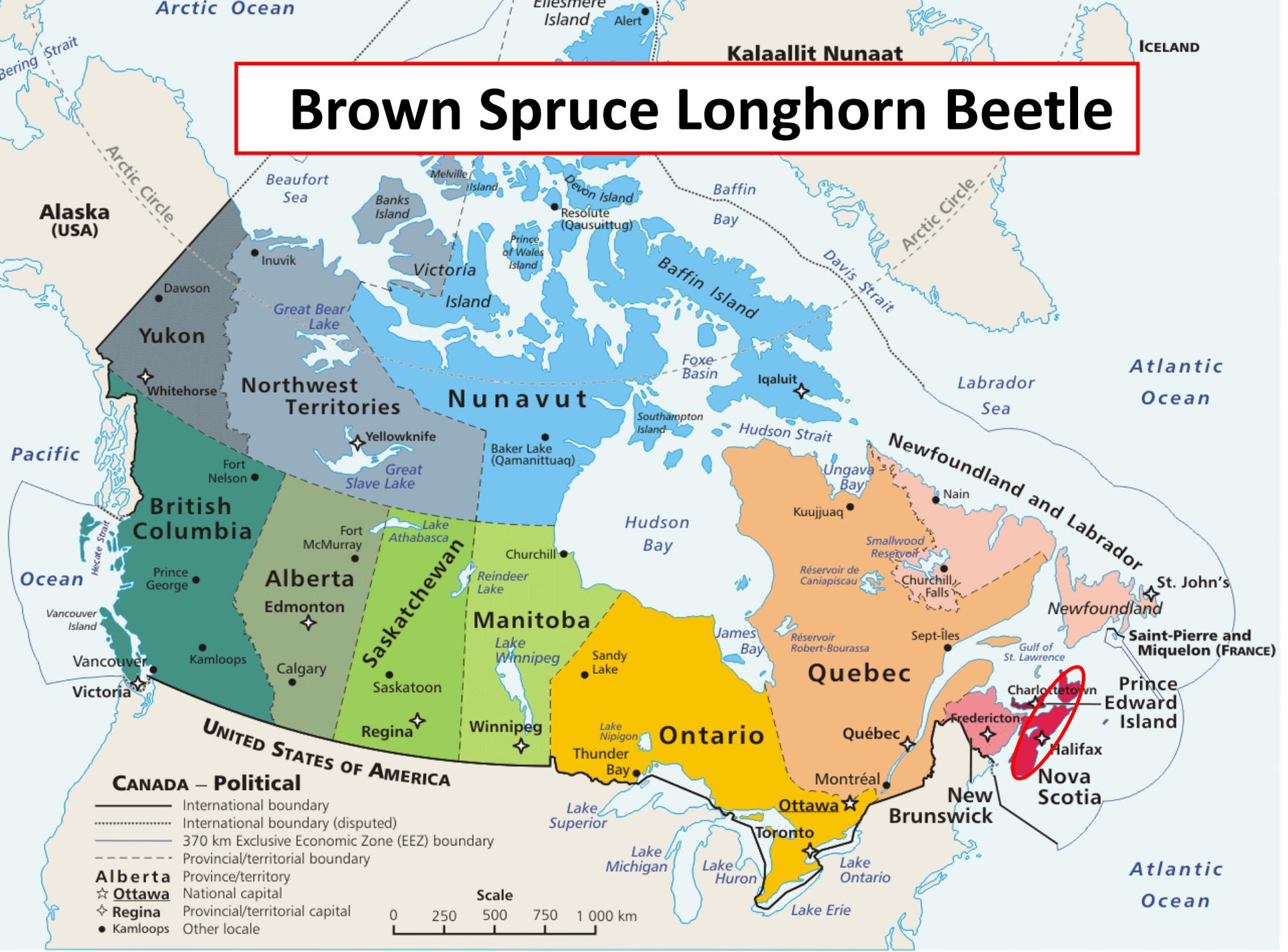
Nova Scotia

- July 2017: detected hemlock woolly adelgid (HWA) in SW Nova Scotia.
- Implemented movement restrictions and established a regulated area at the county level (5); annual surveys to delimit the spread.
- HWA has not been detected outside of the regulated area since the 2017 report.

Ontario

- Previous incursions in southern Ontario (Niagara Region) between 2012 and 2015. Infected trees removed.
- In 2019, HWA detected again in the Niagara Region at two locations.
- CFIA is working with landowners to determine the extent of the infestation and exploring tree removal and other control options.

Brown Spruce Longhorn Beetle

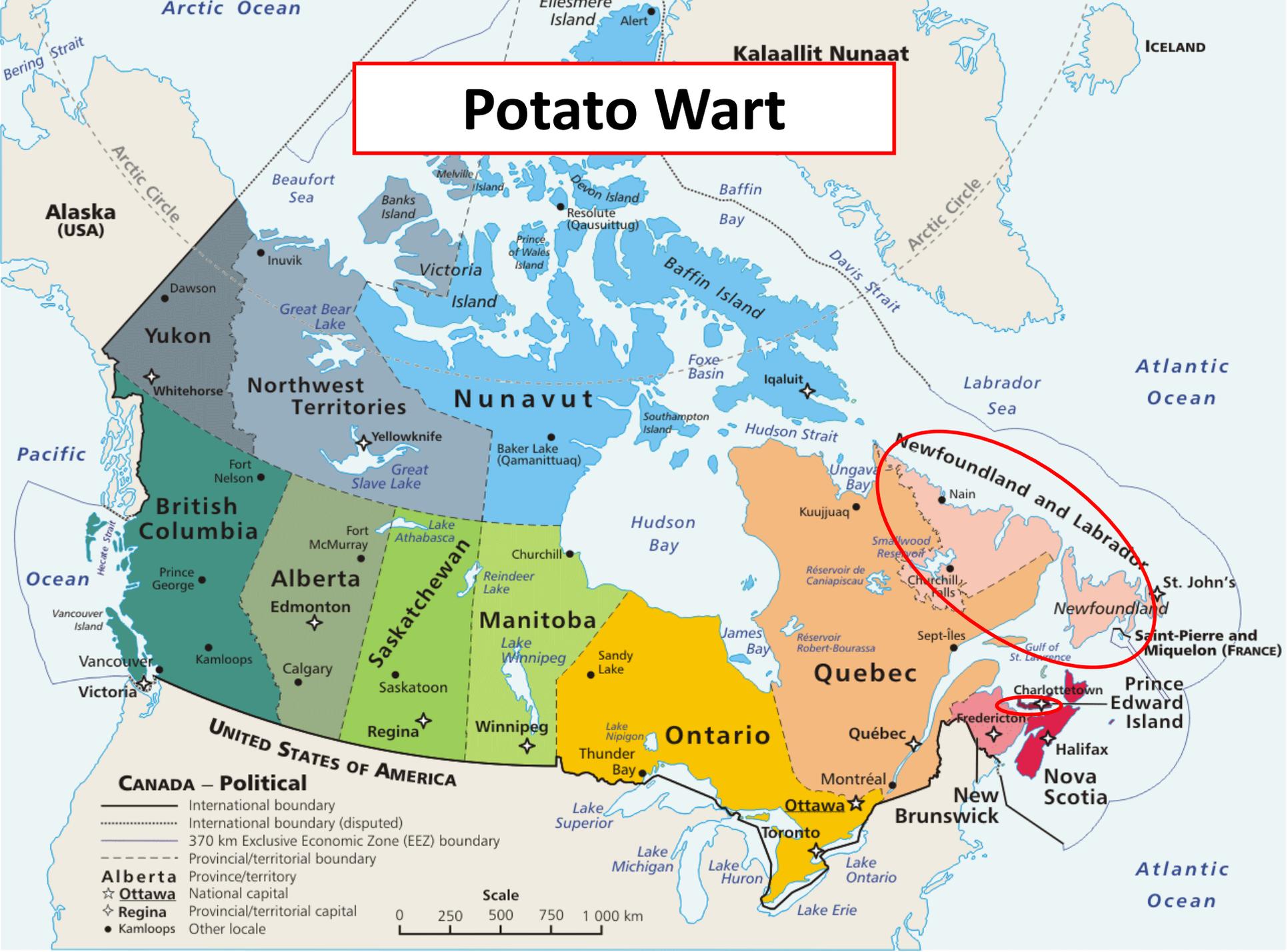


Brown Spruce Longhorn Beetle

- Surveys in 2016 and 2017 identified one site outside of the regulated area (Nova Scotia); site was in Westmorland County, New Brunswick.
- CFIA is working with the province of New Brunswick to contain and control that site through tree removal and disposal, surveys and prohibition of movement notices issued to the land owners.
- In 2019, BSLB was detected in a single trap, also in Westmorland county (about 25 miles from previous detections); no regulatory action triggered.



Potato Wart



Potato Wart



Two regulated areas in Canada:

- Province of Newfoundland and Labrador (1909)
- Prince Edward Island (2000): 1176 acres of index land.

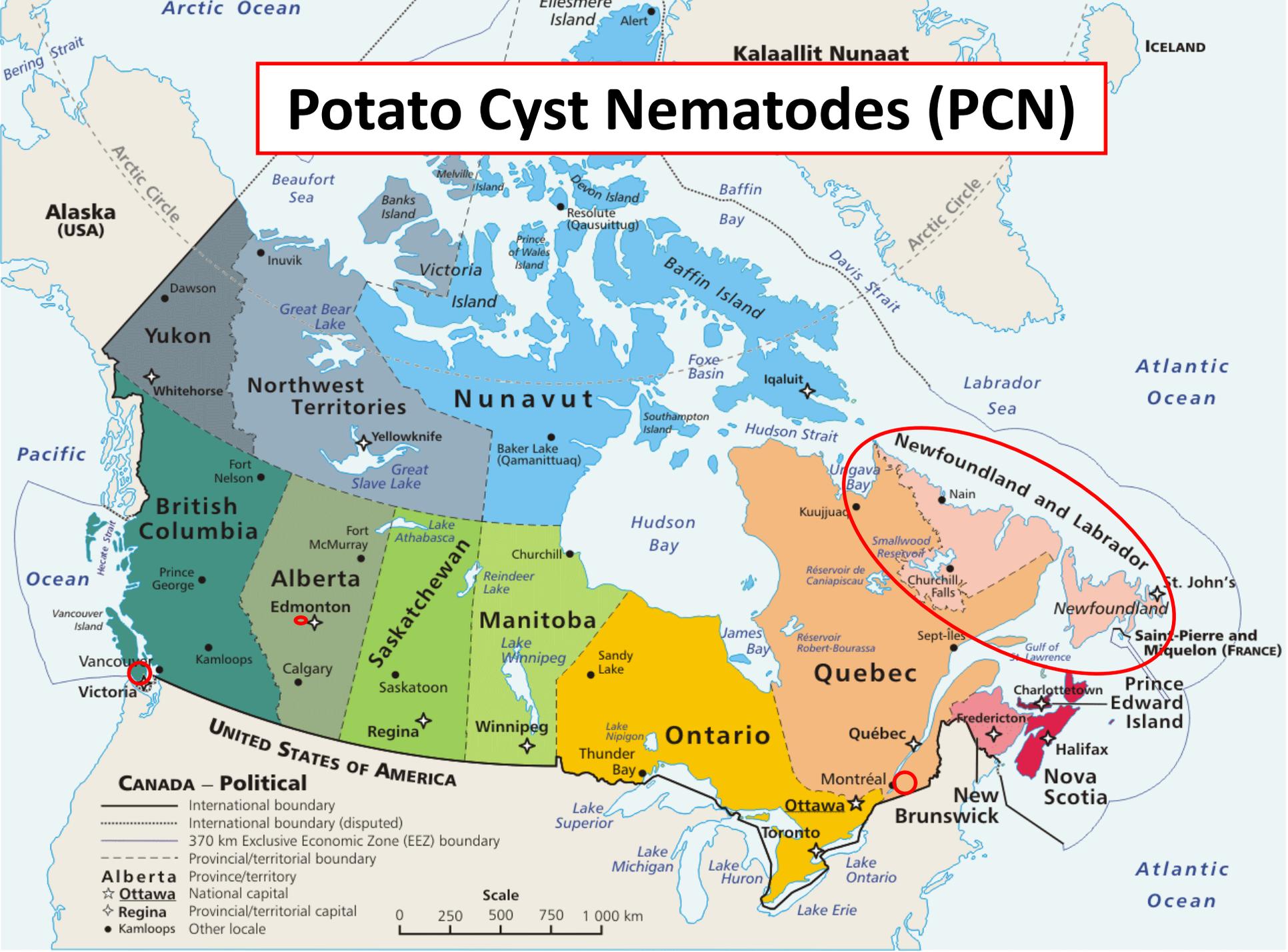
Export Program: annual surveillance program; all export fields tested (2015 Federal Order)

- No detections of PW in 2018 survey (1156 soil samples).

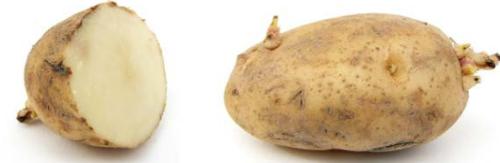
Regulatory Program: PW Long-term Domestic Management Program

- Continued surveillance of regulated fields; assessments; research
- 555 samples in 2018.
- PW confirmed in a contact field (45 ha) in 2018, several additional fields regulated, additional sampling in regulated fields.

Potato Cyst Nematodes (PCN)



Potato Cyst Nematodes



- 4 regulated areas in Canada:
 - Province of Newfoundland and Labrador (1962): GN and PaleCN
 - Quebec, Saint- Amable (2006): GN; 10,458 acres regulated
 - Integrated pest management program; program assessment underway
 - Alberta, Spruce Grove (2007): GN; suspect field; 98 acres
 - Action plan developed to assess (2014 PCN Guidelines, Section 9)
 - BC, Central Saanich (1965): GN; 9637 acres regulated
 - Eradication plan: completing land release recommendation, pending decision to amend regulations – work is ongoing
- 2018 PCN Survey:
 - PCN was not detected; 8,860 soil samples analyzed
- CFIA and USDA-APHIS are reviewing 2014 PCN Guidelines (Section 8), with US and Canadian industry

Closing thoughts

- Canada-U.S. cooperation, collaboration and information sharing are key to keeping plant pests out of North America.
- We impact each other with our domestic control measures.
- Always looking for ideas to create a win-win in our plant protection context.

Questions?

Comments?