



Surveillance Of Click Beetle Populations On PEI

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Monitoring the species spread in PEI

What Are Wireworms



- Larvae aka wireworms live in the soil for 3-5 years
- Click beetles live for 2-2.5 months

Monitoring the species spread in PEI

- *Agriotes sputator* ←
- *Agriotes obscurus*
- *Agriotes lineatus*
- *Hypnoidus abbreviatus*



Species specific Pheromone

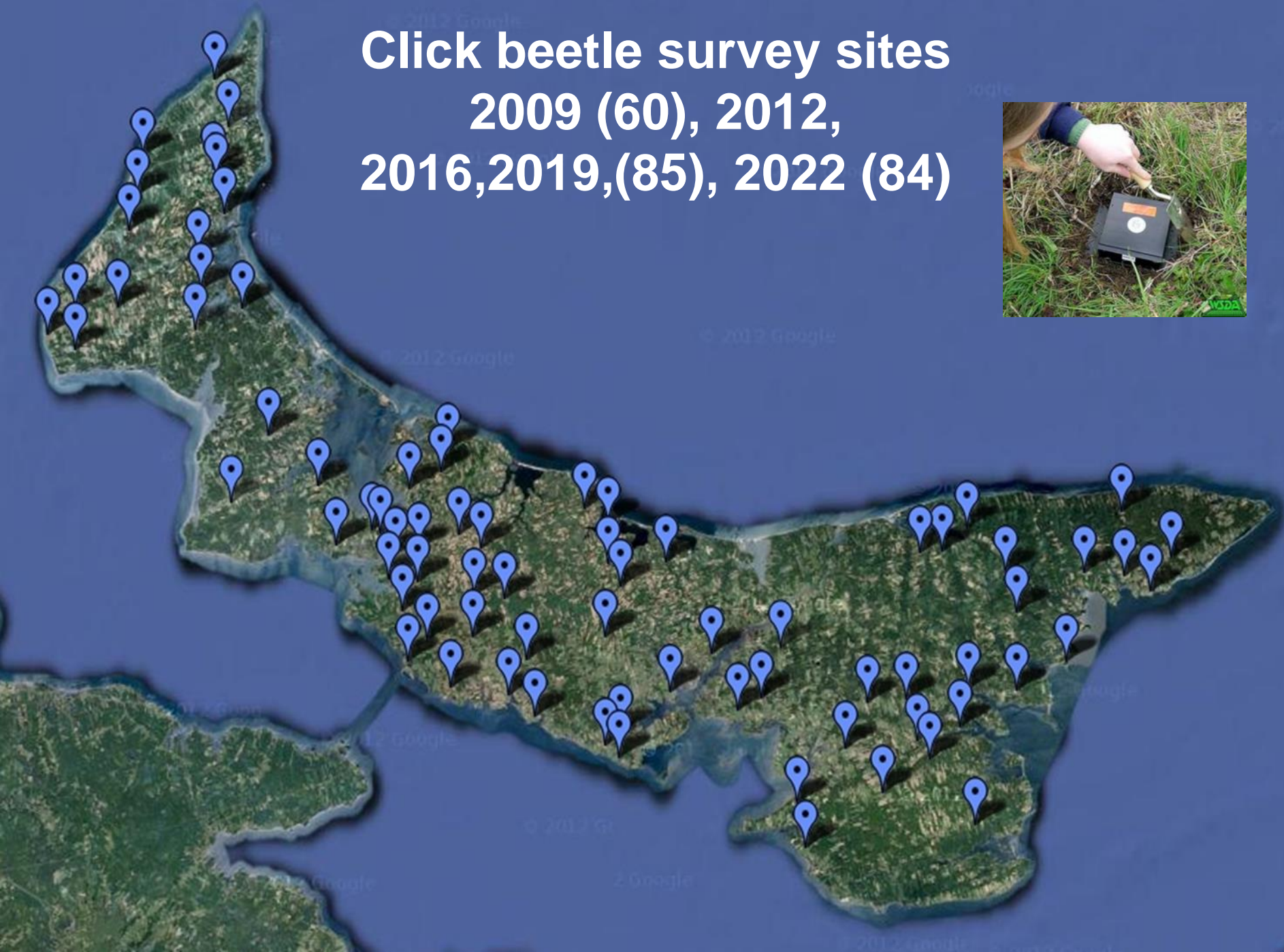


Vernon beetle trap



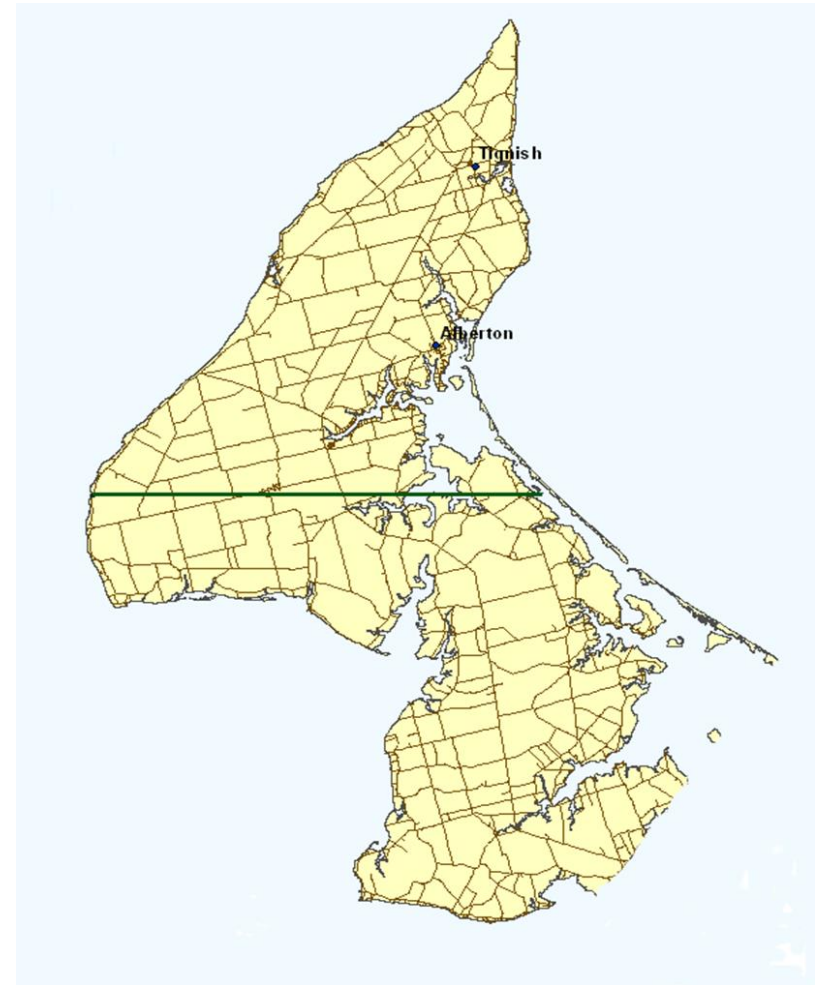
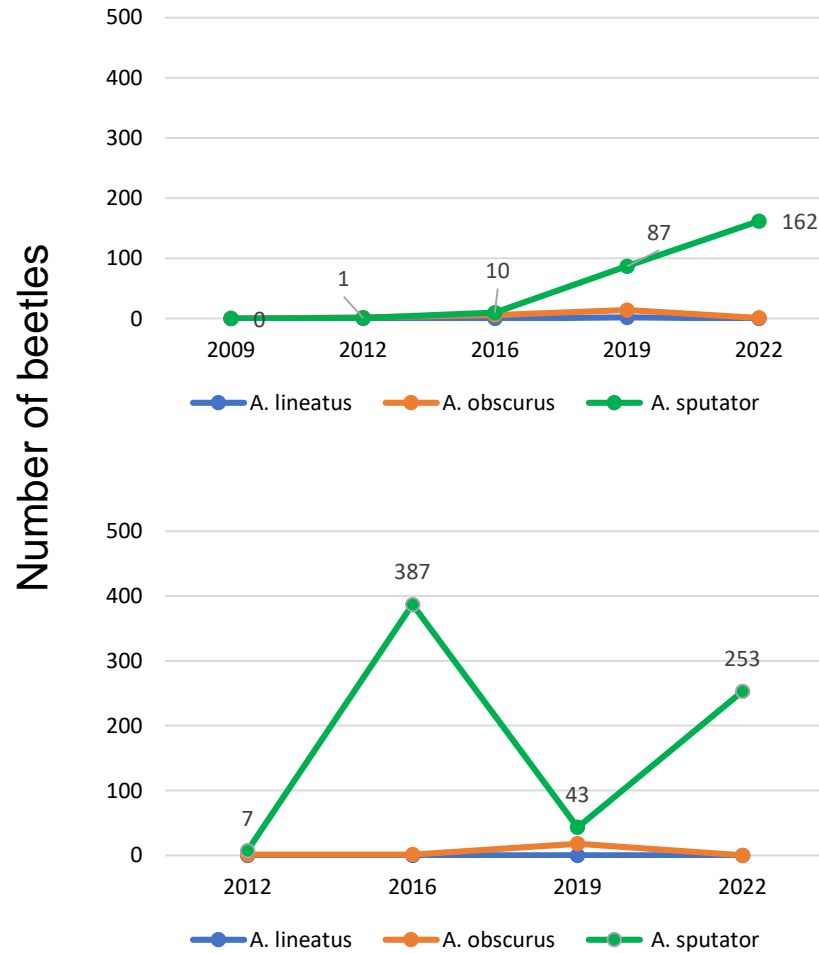
Monitored weekly May- June

Click beetle survey sites 2009 (60), 2012, 2016,2019,(85), 2022 (84)

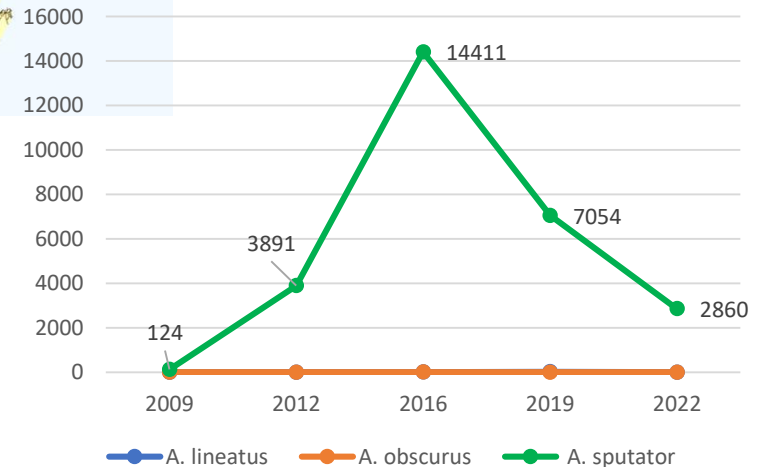
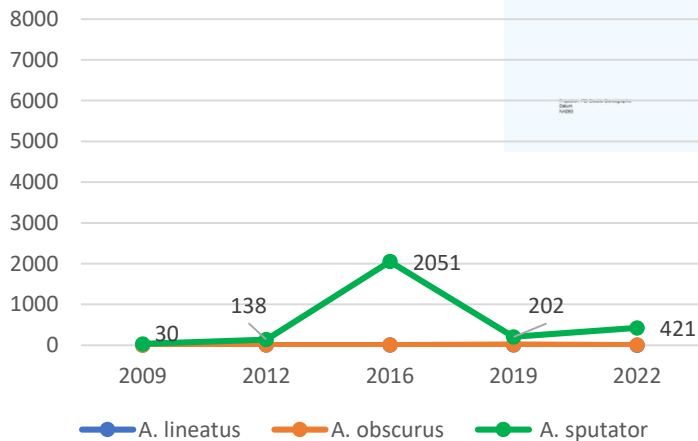
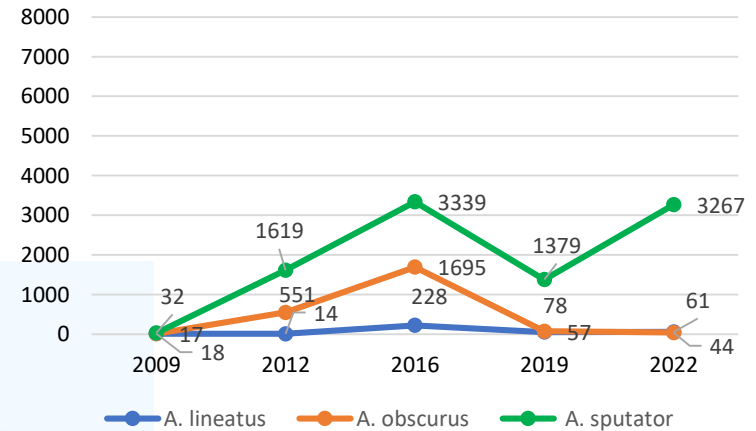
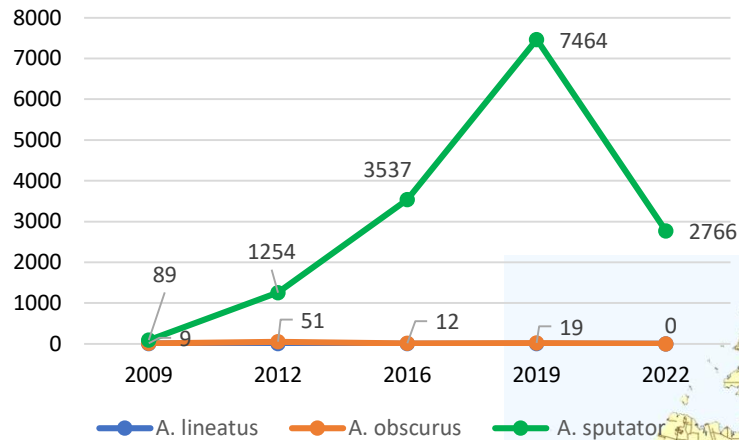


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Western Region

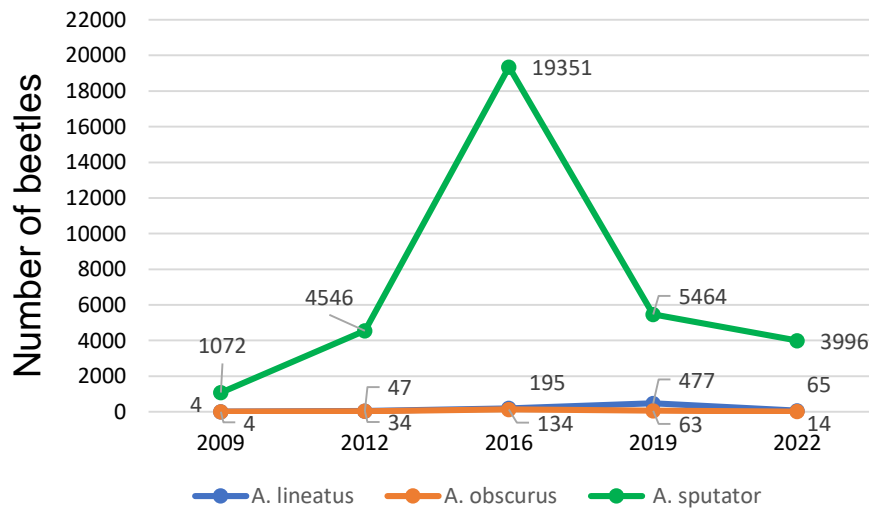
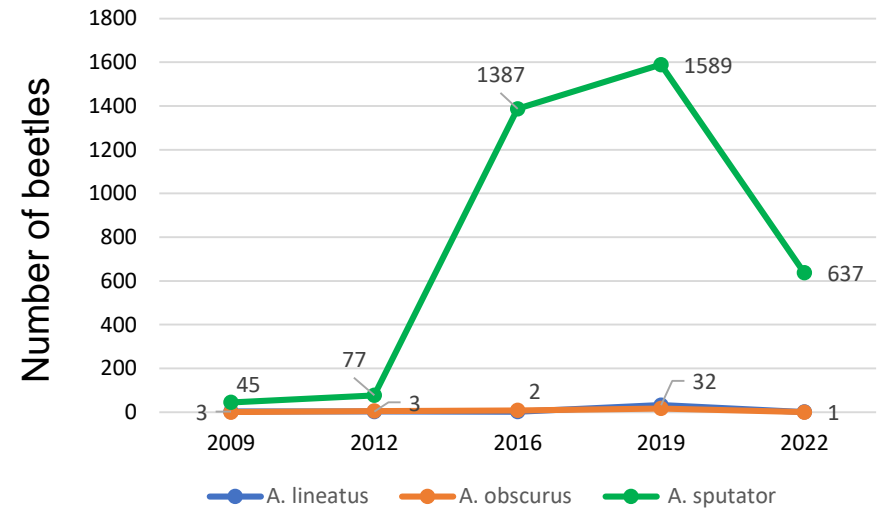
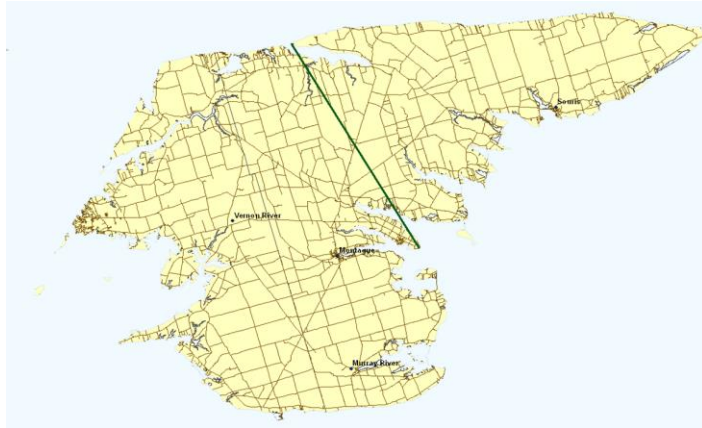


Monitoring the species spread in PEI Central Region



Monitoring the species spread in PEI

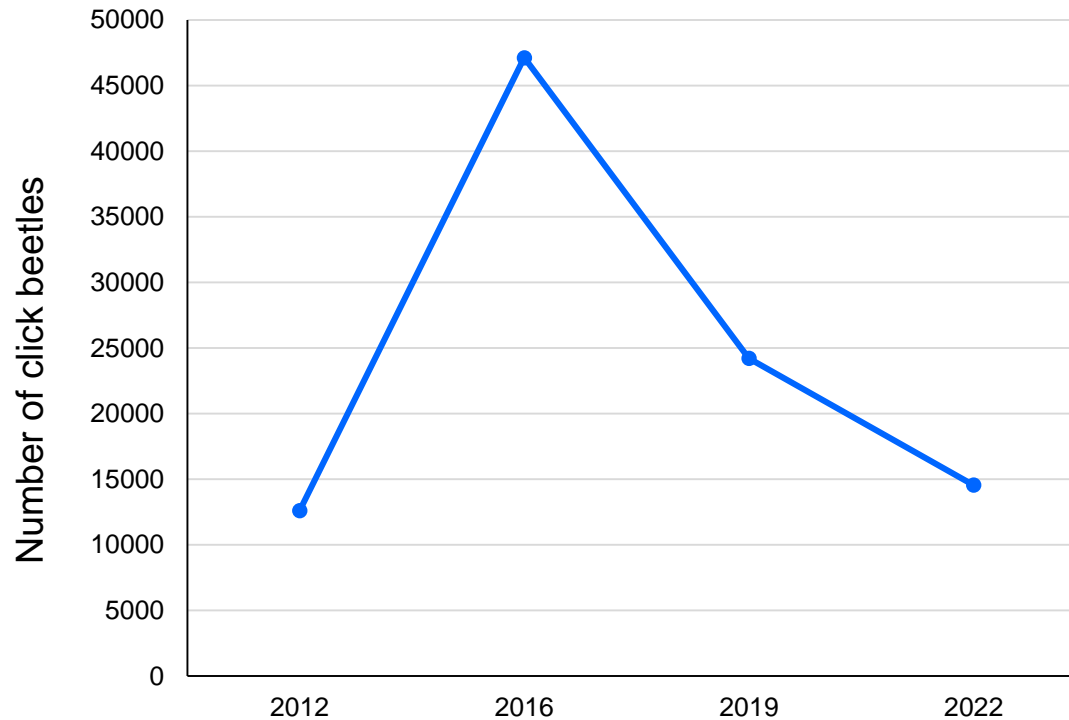
Eastern Region



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Overall Numbers

Total number of click beetles all species



Monitoring the species spread in PEI

Summary

Total number of all species of click beetles trapped

2012 - 12,604

2016 - 47,126

2019 - 24,216

2022 - 14,604

Percent *Agriotes sputator*

2012 - 91%

2016 - 94%

2019 - 96%

2022 - 98% .

Total number of fields with click beetles

2012 - 85 fields all

2016 - 85 fields all

2019 - 85 fields all

2022 - 84 fields 62

Only three traps had 1000+ beetles,
compared to twelve in 2016.

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Thank you for listening

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