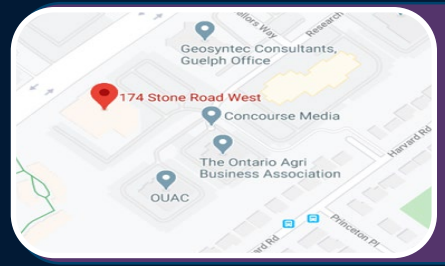
Middlesex County LDD Moth Monitoring

middlesex county

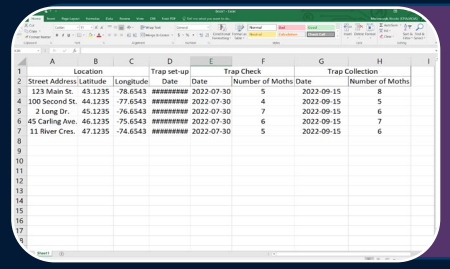
What does this initiative involve?



- Trap set-up by June 15
- Trap locations mapped

- Trap check around late July
- Specimens counted and collected

- Trap collection beginning September 15
- Specimens counted and collected



	Location			Trap set-up	Trap Check		Trap Collection	
Street Address	Latitude	Longitude		Date	Date	Number of Moths	Date	Number of Moths
123 Main St.	43.1235	-78.6543	#########	2022-07-30	5		2022-09-15	8
100 Second St.	44.1235	-77.6543	#########	2022-07-30	4		2022-09-15	5
2 Long Dr.	45.1235	-76.6543	#########	2022-07-30	7		2022-09-15	6
45 Carling Ave.	46.1235	-75.6543	#########	2022-07-30	6		2022-09-15	7
11 River Cres.	47.1235	-74.6543	#########	2022-07-30	5		2022-09-15	6

- Send CFIA data by October 12

What is the impact of community science?

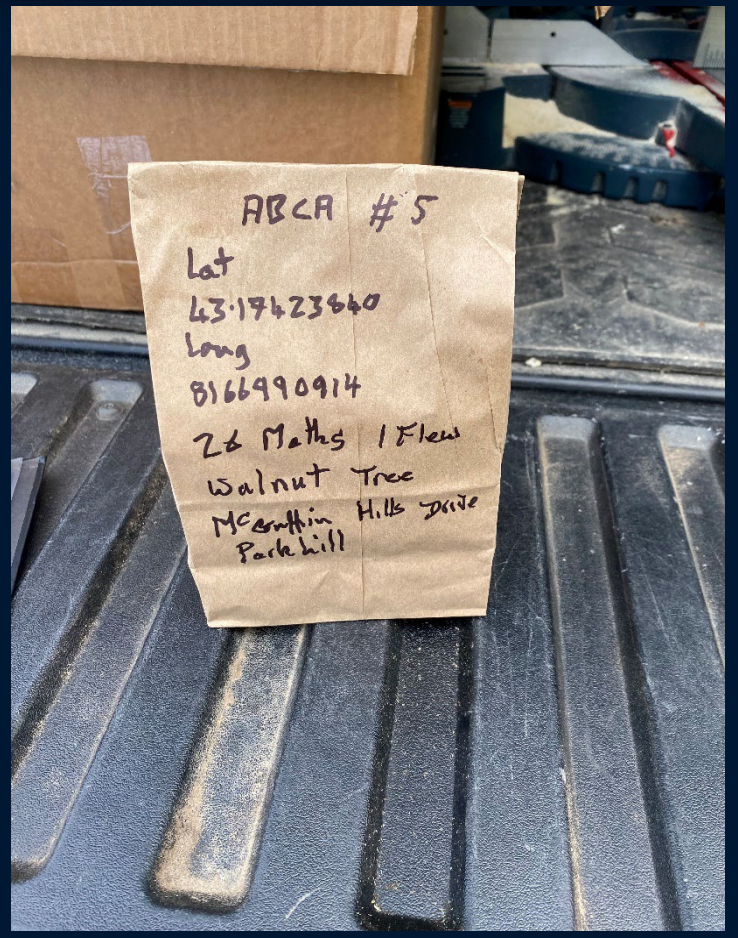
Boost invasive species awareness, collaboration, and education activities	Supports strategic response and citizen engagement in plant health issues
Empower community members to monitor and protect the environment	Contribute to the control and crash of a major plant pest in Ontario

Project update November 2022

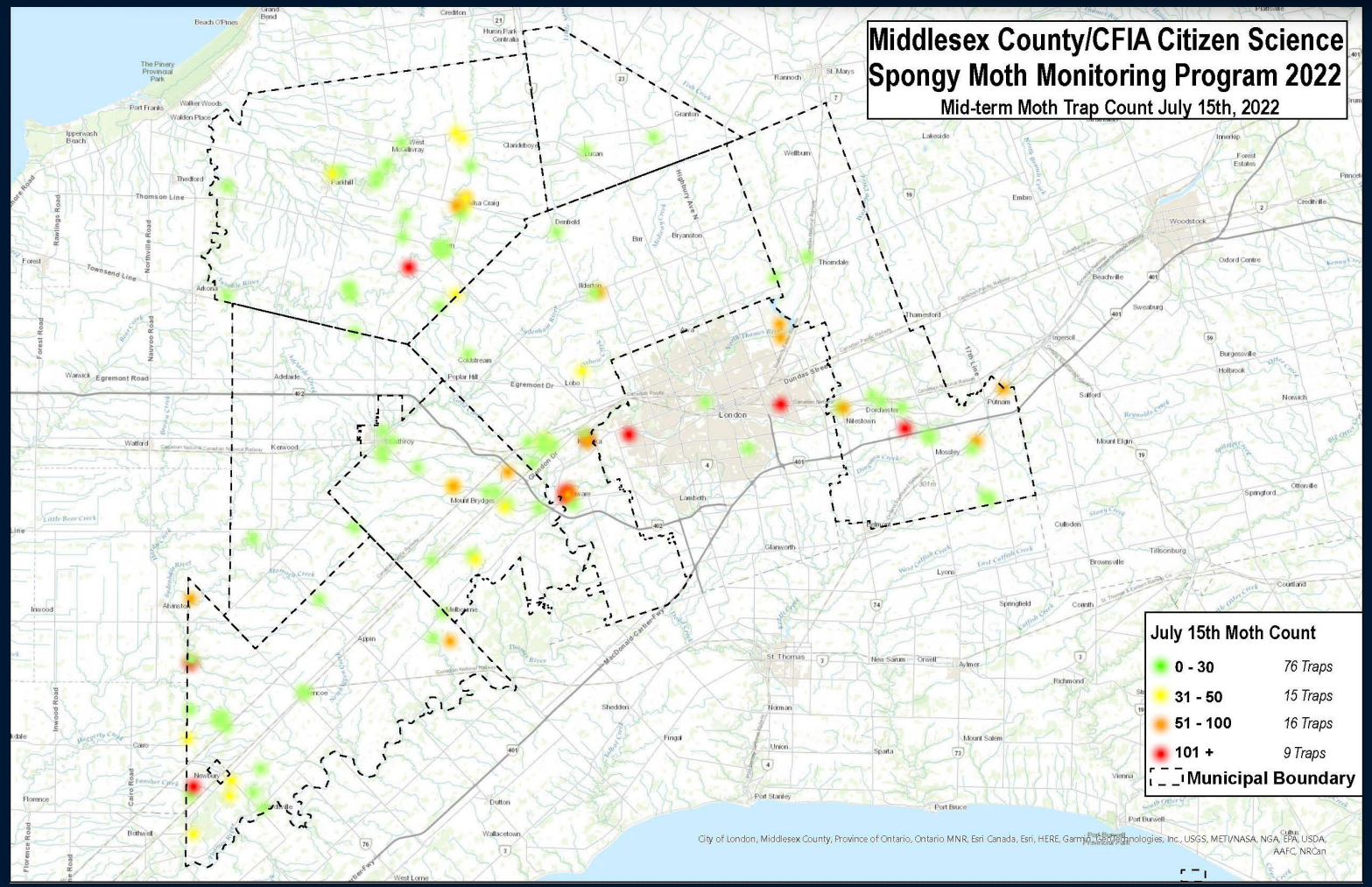
- Trap kits were assembled for participants by staff
- Call for volunteers via social media and direct contacts
- Staff distributed trap kits to libraries and Municipal offices
- Training video provided by CFIA staff
- Database was compiled in GIS

Traps deployed across the County

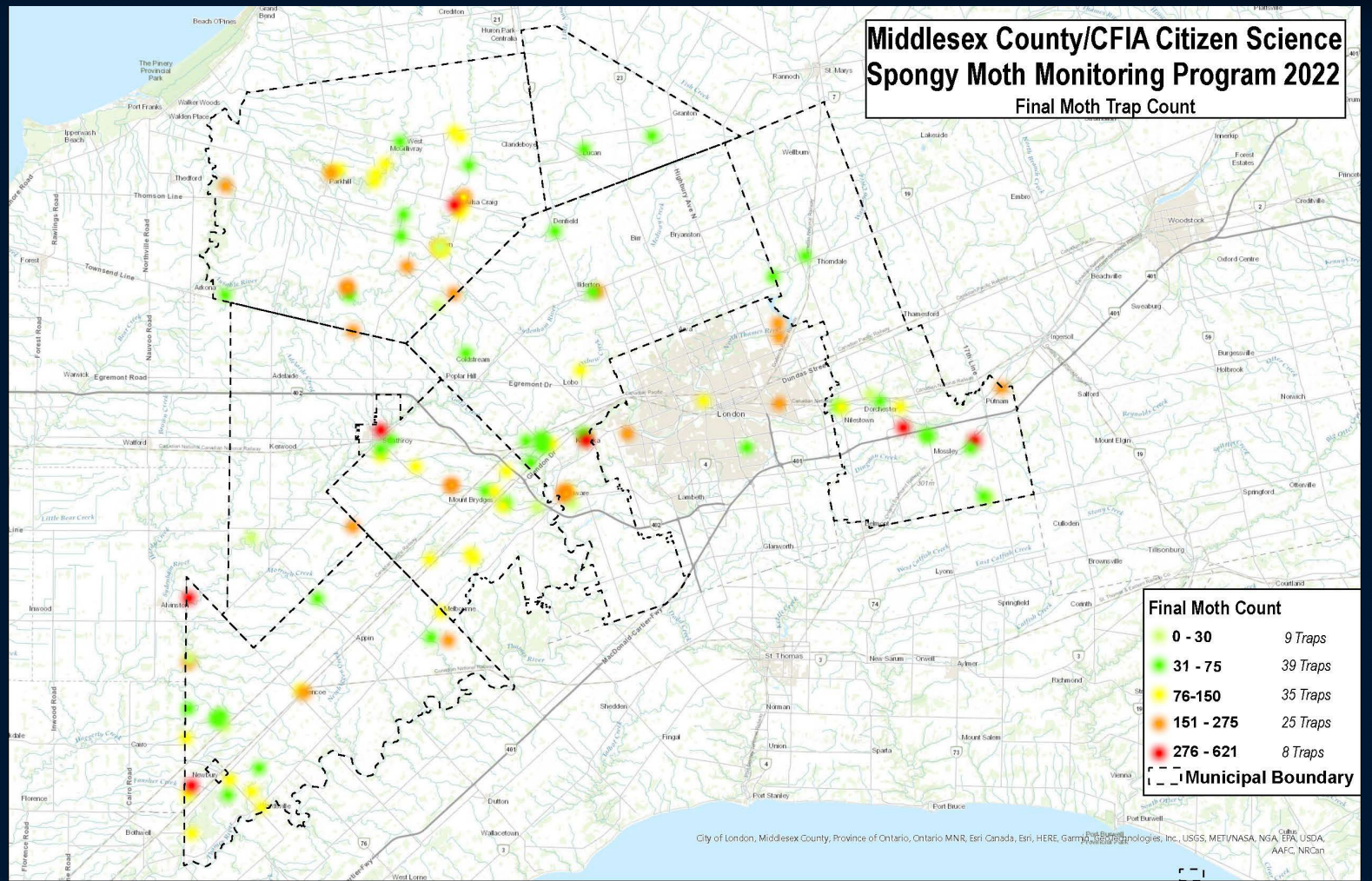
JULY 2022
Moth samples collected and traps reset



Mid-term moth counts entered in database



Final Moth counts entered in database



Lesson Learned

- Population appears to have largely crashed as predicted
- Very little defoliation
- Moths hatch and complete life cycle earlier around the City of London (Two life cycles ?)
- Citizen science helps facilitate EDRR for invasive species
- Education outreach opportunities have exceeded our expectations
- CFIA labs have not identified any new alien invasive species in mid-term samples.
- Kudos to all participants for a job well done

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Thank You!