

Survey of Gypsy Moth Impacts and Actions, 2021
Eastern Ontario Lake Association Networking Group

Lake Association	Defoliation impacts	Actions Taken	Aerial Spraying	Comments
Long Lake Property Owners c/o D. Sward	2020 – moderate 2021 – severe	Advice and Information - egg mass scraping	Not organised. Some did it on their own. Seemed to work.	Individual efforts before the season negated by overwhelming numbers of GM. BTK sold out at hardware stores
Elbow Lake c/o G. Graham	2020 – moderate to severe 2021 – severe	Advice and Information - coordinated purchase of pheromone traps (have been doing this for over 20 yrs)	2 / 60 sprayed on their own. Small blocks. Late application reduced effectiveness.	Heavy defoliation on oak and poplar. Maples largely untouched.
Dog & Cranberry Lakes Association c/o D. Neve	2020 – light 2021 – moderate to severe	No actions taken (were not anticipating a large outbreak in 2021)	None	Seem to be lagging behind everyone else by a year. May need to take more action next year. Glad to learn from others.
Kashawakamak Lake Association c/o J. McIntyre	2020 – moderate to severe 2021 – severe	Advice and Information on individual and subdivision actions to protect trees around homes and cottages.	Not organised by Assoc. Some did it on their own. Seemed to work	Lots of discussion about whether to spray or not. Board will remain neutral and provide advice only.
Farren Lake Property Owners Assoc. c/o K. McDonald	2020 – severe 2021 – severe	Advice and Information - have coordinated purchase of pheromone traps in the past (17 yrs), but could not find any this year	Not organised by Assoc. Some may have done it on their own.	
Christie Lake Association c/o K. Williamson	2020 – severe 2021 – severe	Advice and Information. Helped to coordinate aerial spraying.	Many owners did spray.	Noted that GM defoliation followed on years of defoliation by Forest Tent Caterpillar
Eagle Lake Property Owners Assoc. c/o D. Cummings	2020 – severe 2021 – severe (even worse than last year)	Advice and Information. - also did a survey of members	Yes, many owners did on their own. Mixed results, but people were generally happy.	Need better coordination to make aerial spraying even more effective.

Lake Association	Defoliation impacts	Actions Taken	Aerial Spraying	Comments
Canonto Lake Property Owners Assoc. c/o B. Garrett	2020 – severe 2021 – severe	Advice and Information on individual and subdivision actions to protect trees around homes and cottages.	No spraying	Defoliation damage variable depending on tree species
Glen Tay c/o D. Taylor	2020 – light to moderate 2021 – severe	Advice and Information on individual and subdivision actions to protect trees around homes and cottages.	No spraying	Organising now to be better prepared for next year
Loughborough Lake Assoc. c/o P. Fugler	2020 – light to moderate 2021 – severe	Advice and Information -individual actions to protect trees around homes and cottages	No spraying	Noted large die-off of maturing caterpillars prior to pupation
Kennebec Lake c/o T. Kennedy	2020 – severe 2021 – severe	Advice and Information. Provided contact information on aerial spraying contractor	Some individuals did contract for spraying. Variable results. Concerns about very late timing.	Will do egg mass counts before developing plans for 2022
Shabomeka Lake Association c/o L. Logan	2020 – severe 2021 – severe	Advice and Information. Included contact information on aerial spraying and other control methods	30 owners did sign up. Very late timing, but did notice some protection and control	Really concerned about the impact of defoliation on mature white pine
Black Lake Property Owners Assoc. c/o C. Halliwell	2020 – severe 2021 – severe	Advice and Information on individual and subdivision actions to protect trees around homes and cottages.	Some individual owners did get sprayed. Variable results	Have conducted a more complete survey of knowledge and actions by their members
Bennett and Fagan Lake Assoc. c/o E. Boysen	2020 – severe 2021 – severe	Advice and Information, including on-going articles since 2019	Uncertain – not organised by the Association	Large die-off of mature caterpillars caused by both the fungus and the virus. Few females survived to pupation, resulting in few egg masses. Hopes for 2022!
White Lake Property Owners Association (Lanark/Renfrew) c/o C. Gregoire	2020 – moderate 2021 – severe	Advice and Information. Created their own Fact Sheet on <i>Control of GM Infestation</i>	Some individual owners did get sprayed. Variable results. No direct role for Association	Large die-off of mature caterpillars caused by both the fungus and the virus. Few females survived to pupation, resulting in few egg masses.

Lake Association	Defoliation impacts	Actions Taken	Aerial Spraying	Comments
Sharbot Lake Property Owners Association c/o K. Waller	2020 – severe 2021 – moderate	Advice and Information, especially to help with aerial spraying. Individual actions to protect trees around homes and cottages	Some individual owners did get sprayed. No direct role for Association	Post-spraying comments generally positive.
Big Clear Lake Association c/o M. Laufmann	2020 – severe 2021 – severe	Advice and Information, and direct help for individual actions to protect trees around homes and cottages (ie bulk purchases of burlap and pheromone traps)	Some individual owners did get sprayed. No direct role for Association	Large die-off of mature caterpillars caused by both the fungus and the virus. Heavy defoliation on birch, oak and poplar – maple seemed to be OK
Pike Lake Community Association c/o J. Tasker	2020 – moderate to severe 2021 – severe	Advice and Information on individual actions to protect trees around homes and cottages. Provided pheromone to make pan traps	Some individual owners did get sprayed. No direct role for Association	Aerial spraying was effective, but was done late due to weather. Pan traps were very effective at catching males.
Otty Lake Association c/o G. Read	2020 – severe 2021 – severe	Advice and Information on individual and subdivision actions to protect trees around homes and cottages.	Local subdivision organised a large aerial spray program. Late spraying = variable results. Looking to repeat in 2022	Informal monitoring indicated large die-off due to fungus and virus. Will continue to focus on egg mass counts and scraping
Mississippi Lake Association c/o D. Donald	2020 – moderate with pockets of severe 2021 – widespread severe	Advice and Information on individual actions to protect trees around homes and cottages, including burlap and pheromone traps	No direct role for Association. No aerial spraying in 2021, but lots of consideration for 2022	Size and impact of 2021 population caught many by surprise. Lack of rain this summer causing concern for recovery of trees, especially oaks and conifers
Little Silver and Rainbow Lakes Property Owners Association c/o F. Johnson	2020 – severe 2021 – moderate	Advice and Information. Lots of local actions including egg mass scraping, burlap bag traps, etc	No direct role for Association, although 2 or 3 individual owners did aerial spraying	Large die-off of mature caterpillars caused by both the fungus and the virus. Should encourage all natural control factors – nature will run its course.

Lake Association	Defoliation impacts	Actions Taken	Aerial Spraying	Comments
South Lavant Association (Robertson Lake) c/o R. Kozlowski	2020 – moderate 2021 – severe	Individual actions such as scraping and trapping, with limited success	None in 2021.	May consider organising aerial spraying for 2022. Some mature white pine along the shoreline severely defoliated.

General comments:

1. Local actions including a full range of activities including egg mass scraping, burlap bag trapping, squishing, small-scale application of BTK, pressure washing, and pheromone trapping
2. Many comments about how difficult it was to find BTK at the homeowner level, and it is only available in very small quantities
3. Many comments about the controversy of aerial spraying – not everyone is in favour of it, and the small blocks sprayed mean that there is always a source of healthy caterpillars in the area
4. Concerns about the complexity of organising a large-scale aerial spray program, and the late timing of many of the applications
5. The GM population seems to be expanding outwards from the N. Frontenac / W. Lanark area. Kingston, Ottawa, Westport, Madoc, Kawarthas, Muskoka, Barrie, Lake Huron areas are now experiencing higher populations
6. High prevalence of both the fungus and virus beginning in mid-June caused large-scale die-off in many areas
7. Pheromone trapping seemed to work well – although source of pheromones is variable (note: pheromone trapping is not registered as a control mechanism – only for monitoring purposes, and is especially useful to indicate an expanding population)

Prepared by Eric Boysen, Maberly, September 5, 2021