



Agenda Green Committee

August 19, 2020

5:30 pm

Video Conference

Click the following link:

<https://www.youtube.com/channel/UCzuUpFqxcEI8OG-dOYKteFQ>

Pages

1. **CALL TO ORDER**
2. **DECLARATION OF PECUNIARY INTEREST**
3. **AMENDMENTS AND APPROVAL OF AGENDA**

RECOMMENDATION

THAT the August 19, 2020 Green Committee agenda be accepted as presented.

4. **ACCEPTANCE OF MINUTES**

5

RECOMMENDATION

THAT the June 24, 2020 Green Committee minutes be approved and be signed by the Chair and Committee Secretary.

5. **STRATEGIC ITEMS - PROGRESS UPDATES**

10

RECOMMENDATION

THAT the August Green Committee Strategic Priorities Status Table be received for information.

6. REPORTS

6.1 PW 49-2020 MUNICIPAL HAZARDOUS AND SPECIAL WASTE COLLECTION

12

RECOMMENDATION

THAT PW 49-2020, Municipal Hazardous and Special Waste Collection be received; and,

THAT the Green Committee recommend to Council:

THAT Council authorize staff to amend the service delivery related to Municipal Hazardous and Special Waste Collection to depot event days and discontinue operation of the collection and storage depot at the St. Marys Landfill Site pending an updated financial analysis for waste management services.

6.2 PW 52-2020 WASTE REDUCTION WEEK

16

RECOMMENDATION

THAT PW 52-2020 Waste Reduction Week report be received; and

THAT the Committee recommend to Council:

THAT Council proclaim October 19 to October 25 as Waste Reduction Week; and

THAT Council direct staff to craft a media campaign to highlight waste reduction activities and advertise existing waste diversion programs in St. Marys.

7. OTHER BUSINESS

7.1 Wildflower Areas in St. Marys

At the Committee's recommendation staff reached out to Vanni Azzano at the Upper Thames River Conservation Authority to discuss the feasibility of introducing a wildflower area in St. Marys.

Mr. Azzano advised that a wildflower area is feasible, and the Conservation Authority has experience planting the wildflowers. Typically, the Conservation Authority will use native wildflower plugs that attract all of the beneficial pollinators. Just like their tree planting program, they use students to do the planting. The Conservation Authority typically plants in June, but they can be planted in November when they are dormant and they still do well. The variety from the nursery isn't as great in the fall because it's basically what is left in stock. For a spring planting, the Conservation Authority advises the nursery what they need in the winter and the nursery grows those flowers so they are ready for June.

The Committee should discuss if they would like to look at this item further and consider the following questions:

1. Where should the wildflower area be located?
2. What are the costs to establish a wildflower area? (Follow up required)
3. If the Committee wishes to proceed should this be a 2021 or 2022 item?

7.2 Gypsy Moths

19

Town staff have received numerous complaints regarding gypsy moths on Town trees, due to the timing of the complaints staff's capacity to address the issue was limited as the caterpillars were transitioning to moths. Staff are recommending that a plan be developed for 2021 for the purposes of mitigating the infestation of gypsy caterpillars. Various organizations including local conservation authorities and communities have created fact sheets, a fact sheet from the Ausable Bayfield Conservation Area has been appended to this report.

Staff are recommending the Committee research possible mitigation efforts and discuss at the next Committee meeting scheduled for September.

8. UPCOMING MEETINGS

September 23, 2020 @ 5:30 PM (Virtual Meeting)

9. ADJOURNMENT

RECOMMENDATION

THAT this meeting of the Green Committee be adjourned at pm.



Minutes

Green Committee

June 24, 2020

5:30 pm

Video Conference

Click the following link:

<https://www.youtube.com/channel/UCzuUpFqxcEI8OG-dOYKteFQ>

Member Present	Katherine Moffat, Chair Lynette Geddes Councillor Pridham Fred Stam John Stevens David Vermeire
Staff Present	Jed Kelly, Director of Public Works Jeff Wolfe, Asset Management and Engineering Specialist Morgan Dykstra, Committee Secretary

1. CALL TO ORDER

Chair Moffat called the meeting to order at 5:32 pm.

2. DECLARATION OF PECUNIARY INTEREST

None declared.

3. AMENDMENTS AND APPROVAL OF AGENDA

Resolution: GC-2020-03-01

Moved By Fred Stam

Seconded By Councillor Pridham

THAT the June 24, 2020 Green Committee agenda be accepted as presented.

Carried

4. ACCEPTANCE OF MINUTES

Resolution: GC-2020-03-02

Moved By John Stevens

Seconded By Fred Stam

THAT the February 26, 2020 Green Committee meeting minutes be approved and signed by the Chair and Committee Secretary.

Carried

5. STRATEGIC ITEMS - PROGRESS UPDATE

Resolution: GC-2020-03-03

Moved By Lynette Geddes

Seconded By Fred Stam

THAT the June Green Committee Strategic Priorities Status Table be received for information.

Carried

6. REPORTS

6.1 PW 38-2020 ACTIVE TRANSPORTATION SURVEY RESULTS

Morgan Dykstra and Jed Kelly spoke to the report and responded to questions from the Committee.

Morgan Dykstra advised that a more thorough inventory of the trail network including surface types and amenities needs to be collected to understand the existing service level. Chair Moffat noted that reviewing other municipalities levels of service may be beneficial to determine standard practices. The Committee discussed inputting the inventory into the Town's Geographic Information System.

The survey results indicated that there is a preference for hard surface trails, although the results did vary. The Committee discussed how an older demographic completed the survey which may have impacted the results, and that other trail surfaces should still be considered. Jed Kelly

advised that a trail hierarchy should be created and that the hierarchy offer a variety of surface types.

Staff advised the Committee how they will calculate costs both capital and operating associated with improving existing service levels for water fountains, dog bags receptacles, garbage and recycling receptacles, washrooms, lighting and surface types.

Resolution: GC-2020-03-04

Moved By David Vermeire

Seconded By Fred Stam

THAT PW 38-2020 Active Transportation Survey Results report be received; and

THAT the Committee recommend that Staff:

- Continue to complete Phase 1: Data Collection
- Develop a plan to engage youth between the ages of 12 to 18;
- Determine the costs (capital and operating) associated with improving existing service levels for water fountains, dog bag receptacles, garbage and recycling receptacles, washrooms and lighting;
- Create conceptual trail extensions or connecting links, and

THAT Staff report back to the Green Committee on the above topics.

Carried

6.2 PW 36-2020 Grand Trunk Trail Staircase – Project Status Report

Jeff Wolfe spoke to the report and responded to questions from the Committee.

The Committee discussed the asset life cycle cost of a steel staircase versus a pressure-treated wood staircase. Jeff Wolfe advised that while a steel staircase has a longer asset life cycle the materials and labour would be market price, meanwhile a wood staircase can be more cost efficient with the involvement of local contractors and businesses, further the Town can complete most general maintenance on a wood staircase.

The Committee agreed that a wood structure would be more aesthetically pleasing.

The Committee reviewed the recommendation from staff.

Resolution: GC-2020-03-05

Moved By Lynette Geddes

Seconded By David Vermeire

THAT PW 36-2020 Grand Trunk Trail Staircase – Project Status Report be received; and

THAT the Green Committee recommend to Council that:

- the Grand Trunk Trail Staircase remain open. Staff are to monitor the wall and if sections of the wall fail to a point where they are 15% off-plumb, that those sections of the staircase be cordoned off; and
- the Town turn the Grand Trunk Trail Staircase into a Community Project and solicit monetary and in-kind donations from local community groups, contractors and individuals to help reduce the overall project budget; and
- the construction material be changed from steel to pressure treated wood.

Carried

7. OTHER BUSINESS

The Committee welcomed Councillor Pridham to the Green Committee and thanked Councillor Craigmile for his involvement with the Committee.

John Stevens inquired about the feasibility of establishing natural wildflower areas in St. Marys. Morgan Dykstra responded that she'll reach out to the Upper Thames River Conservation Authority for more information, and will update the Committee at its next meeting.

9. ADJOURNMENT

Resolution: GC-2020-03-06

Moved By John Stevens

Seconded By Lynette Geddes

THAT this meeting of the Green Committee be adjourned at 6:30 pm.

Katherine Moffat, Chair

Morgan Dykstra, Committee Secretary

Green Committee Strategic Priorities Status (August 2020)

Priority	Item	Status
Forestry Management	Revise tree species list	Complete
	Engagement and education opportunities	Ongoing (Active Transportation Master Plan)
	Tree donation policy	Council Approved – Staff need to begin implementation phase
	Seedlings transplant area	Council approved the Committee's recommendation. The Town will not establish a seedlings transplant area.
Naturalization	Public Engagement re: naturalization	The Town is implementing the Sparling Bush Management Plan.
	Recommend areas for naturalization	Invasive species tarped in early June and trail access from Sparling installed. Considering the planting of large trees within the Bush. Sparling Bush Management Plan items for 2021 have been incorporated into the 2021 Capital Budget.
	Recommend policies to establish natural areas and how to maintain areas	
Active Transportation Master Plan	Review existing active transportation network	Survey released in April; data being presented to the Green Committee at its June meeting. Staff are continuing to complete an inventory of the existing network and working on the recommendations provided by the Committee at its June meeting. Report going to Council in late-August to discuss the staircase at the flats.
	Seek public feedback re: active transportation network	Complete
	Recommend an Active Transportation Master Plan	Due to delays as a result of COVID-19 and the re-prioritization of staff's task, a draft plan is anticipated in 2021.
Waste Reduction & Diversion (Following the Waste Reduction and Diversion Assessment)	Review Solid Waste Management By-law	Complete
	Textile recycling program	RFP in spring 2019 deemed incomplete; re-issue RFP in spring/summer 2020
	Mattress and box spring diversion	Green Committee recommended (June 2019) Incorporated in Solid Waste Management By-law (Fall 2019) Develop policy and review other municipal programs (Spring/summer 2020)
	All other recommendations from WRDA	Will depend on the EA approvals for the expansion of the Landfill

		Committee to review MHWS program at the Landfill at August meeting.
	Green Initiative Recognition Program	Report drafted with program outlines for the Green Committee's review
	Waste Reduction Week	The Province is now coordinating a waste reduction week in October and wants all municipalities to participate. The Green Committee is tasked with helping create an advertising campaign. Committee to discuss St. Marys' approach at its August meeting



FORMAL REPORT

To: Chair and Members of the Advisory Committee

Prepared by: Dave Blake, Environmental Services Supervisor

Date of Meeting: 19 August 2020

Subject: **PW 49-2020 MUNICIPAL HAZARDOUS AND SPECIAL WASTE COLLECTION**

PURPOSE

This report is to present the Green Committee with information related to the collection of Municipal hazardous and Special Waste for St. Marys and Perth South to facilitate discussion on long term program delivery.

RECOMMENDATION

THAT PW 49-2020, Municipal Hazardous and Special Waste Collection be received; and,

THAT the Green Committee recommend to Council:

THAT Council authorize staff to amend the service delivery related to Municipal Hazardous and Special Waste Collection to depot event days and discontinue operation of the collection and storage depot at the St. Marys Landfill Site pending an updated financial analysis for waste management services.

BACKGROUND

Municipal Hazardous and Special Waste (MHSW) materials can be dangerous to people as well as the environment. It is because of this, the Town of St. Marys administers MHSW collection via the landfill site for residents of St. Marys and Perth South.

Collection of MHSW material originally started in the mid-2000's with the depot collection at the landfill expanding to include Perth South in circa 2013.

Materials accepted under the program consist of the following:

Acids	Bleach	Garden chemicals	Pool chemicals
Aerosol cans	Light bulbs	Household cleaners	Propane tanks
Antifreeze	Fertilizers	Motor Oil	Solvents
Bases	Paints / Stains	Pesticides	Batteries

Current depot collection is for residential use only and is not designed or permitted for industrial, commercial or institutional (IC&I) utilization. IC&I properties whom produce specific waste on regular intervals are required to contract and dispose of their waste properly through third party suppliers.

The depot has historically operated during regular landfill hours, however, was temporarily closed in March 2020 as service adjustments related to the novel coronavirus pandemic (COVID-19). In order to

facilitate disposal of material in 2020, a collection event was administered in July 2020 through the Town's existing service provider with a subsequent event disposal day scheduled for October 31, 2020.

This report presents information to the Green Committee regarding program delivery in 2021 and beyond.

REPORT

Historically, the Town has collected MHSW material at the landfill during regular operational hours. Material is generally screened upon entry into the Site by the scale attendant with the customer being directed to the appropriate area. Material is placed on designated tables to be sorted and packed by the on-site operator throughout the day as time permits. This process although convenient for customers presents operational and safety concerns for Site staff in managing the depot operation. When the MHSW depot closed in March 2020 due to the pandemic it resulted in customers having to safely store material at home until disposal could continue. In order to plan for an influx of material that had been stored for months, Town staff realized the need to expand the capacity of the landfill site in order to handle anticipated volumes once the service level returned. In order to be in a position to provide a safe disposal option that could accommodate the anticipated traffic volume, staff coordinated a depot event day that was delivered at the Pyramid Recreation Centre (PRC) parking area in collaboration with a third party service provider.

The depot event resulted in just under 200 vehicles through the event in four (4) hours of operation. Customers were able to drive up to the event unloading area, have material removed directly from their vehicles by event staff and were able to be in and out of the event within minutes of arrival. This allowed event staff to inspect all material containers while being unloaded, and any suspect items were clarified by the customer or event technical staff to ensure safe handling and packaging could be achieved.

The event disposal day presented an alternative service delivery model for consideration and its successful delivery allows for a broader conversation on the program delivery as a whole. As such, the following options are presented for consideration and discussion by the committee in regards to the ongoing program delivery.

Option 1 – Discontinue Service Delivery for Municipal Hazardous and Special Waste

This option would see the MHSW depot closed, and no further service delivery provided for the safe disposal of this material. This option would result in a significant service level reduction to residents and would eliminate the local safe disposal of program materials.

This option would likely result in the inclusion of this material into the general waste stream, and result in improper disposal moving forward that could result in unknown exposure to site staff during waste compaction as well as unknown environmental impacts.

Based on the above, Staff do not recommend this option for consideration.

Option 2 – Restore the permanent depot for Municipal Hazardous and Special Waste at the Landfill

This option would see the depot at the landfill site return to regular use, operating on days the landfill is open and return the same level of service residents have been used to for years.

This method of program delivery has identified safety concerns related to leaking material, non-acceptable materials being disposed, material in unlabelled containers, etc. All these issues present a significant health and safety concern for staff related to safe handling and proper identification. It also presents challenges to ensure materials are properly sorted, and incompatible materials are not being placed in the same transport containers.

The significant safety concerns that have been identified through this method of program delivery would remain a concern without additional staff members being present at the site during operational hours to properly sort and identify materials as well as reject unacceptable items. In order to make this method

of program delivery safe would require a significant increase in labour costs that would result in a convenient yet inefficient service delivery.

Based on the above, Staff do not recommend restoring the permanent depot at the Landfill Site.

Option 3 – Restore depot operation at the landfill site under reduced hours

This option would see the depot at the landfill return to service but on reduced hours, and would essentially act as small disposal events at the landfill.

This option would enable the Town to continue to provide a relatively high level of service delivery for this material while moderately controlling costs however would result in a service level reduction based on historical program delivery.

This option, although reasonable would present its own challenges for consideration. By operating the depot at the landfill, it could be confusing to residents knowing when material can be accepted. Based on recent observations, customers would improperly disposal of material at the Site should the depot not be operating at the time of their visit, forcing staff to continue to handle material in a method that can present a health and safety concern.

This method of service delivery would also reduce the frequency that staff members are familiarized with incoming materials and could present increased concerns related to improper sorting and packing. Due to increased traffic anticipated for such operational days, it would be recommended to have a third party technical support on-site to assist with material identified and sorting.

Due to the logistical and ongoing safety concerns related to disposal, Staff do not recommend this option at this time.

Option 4 – Close the permanent depot at the landfill and administer depot event days

This option would see the permanent depot at the landfill site be closed while offering residents a safe and efficient means of material disposal through depot event days.

Event disposal days would be scheduled throughout the Spring, Summer or Fall to enable residents multiple options for material disposal at a location suited for the traffic volume. Event days would be advertised well in advance to inform and advise residents of the service delivery.

Municipal staff would act as event greeters and material unloaders creating a familiar point of contact for residents while material identification, sorting and packing would be undertaken by a third party contractor.

This option would enable the town to provide a convenient, safe method for material disposal while significantly reducing the health and safety risks associated with material handling and sorting.

Based on the above, it is Staff recommendation to transition MHSW collection to event days.

FINANCIAL IMPLICATIONS

Each option noted herein presents various financial implications that must be considered. The following presents estimated financial implications based on program options:

Option 1 – This option would have no direct financial implications as the costs for material storage, transportation and processing would be eliminated. Existing assets could be liquidated. This option presents unknown potential financial implications related to potential environmental contamination of the Site that could result from improper material disposal.

Option 2 – This option would have no additional financial implications as the costs for material storage, transportation and processing have historically been incurred and funded through landfill site operations.

Option 3 – This option would result in increased labour costs related to staffing level increases to adequately staff and manage material and traffic on days the depot would be receiving material. In order to staff routine depot hours such as one day per month is estimated to cost an additional \$2,000 per day of operation, including on-site technical support for material identification and handling. Annual financial implications would be determined by the number of days of depot operation.

Option 4 – This option would see the highest financial implications as depot events rely on third party services for sorting, packaging and transportation. It is estimated to cost approximately \$4,000.00 per event for contracted services. The cost of material disposal is anticipated to remain in proximity to prior years. Annual financial implications would be determined by the total number of disposal events per year.

Service delivery would be funded through the annual operations and maintenance budget for the landfill site [01-4600-6990].

When considering financial impacts of potential options, it should be noted that the Town receives funding from various sources to help off-set some of the financial impacts of operation and material disposal.

SUMMARY

Based on information detailed within this report, it is staff's recommendation that the Green Committee recommend to council to direct staff to amend the current service delivery model for the collection of Municipal Hazardous and Special Waste to event collection days pending an updated financial analysis of the waste management system to ensure any program shift can be financially support. A service delivery shift would allow for improved health and safety related to material receipt and handling, as well as to allow proper material identification, sorting and packaging while providing an appropriate level of service for the community.

STRATEGIC PLAN

☒ This initiative is supported by the following priorities, outcomes, and tactics in the Plan.

- Pillar # 1, Infrastructure – Waste Management Plan:
 - Outcome: With anticipated proactive measures for growth (residential, commercial and industrial) there will be need for active consideration of optimizing landfill services, but with a view to controlled costs and forward-thinking environmental initiatives.
 - Tactic(s): Decide on what approaches best meet long term community ability to meet provincial standards. Build a program and identify a budget to accommodate.

OTHERS CONSULTED

Jed Kelly, Director of Public Works – Town of St. Marys

Morgan Dykstra, Public Works Coordinator – Town of St. Marys

ATTACHMENTS

None

REVIEWED BY

Recommended by the Department

Dave Blake, C.E.T.
Environmental Services Supervisor

Jed Kelly
Director of Public Works



FORMAL REPORT

To:	Chair and Members of the Advisory Committee
Prepared by:	Morgan Dykstra, Public Works Coordinator
Date of Meeting:	19 August 2020
Subject:	PW 52-2020 WASTE REDUCTION WEEK

PURPOSE

Provide the Committee with information regarding a program called waste reduction week and seek the Committee's recommendation to Council.

RECOMMENDATION

THAT PW 52-2020 Waste Reduction Week report be received; and

THAT the Committee recommend to Council:

THAT Council proclaim October 19 to October 25 as Waste Reduction Week; and

THAT Council direct staff to craft a media campaign to highlight waste reduction activities and advertise existing waste diversion programs in St. Marys.

BACKGROUND

The Province of Ontario declared May 12, 2020 as the Province's first official day of Action on Litter. The purpose of the day was to promote province-wide litter clean ups and focus on raising awareness of the impacts of waste in the environment, and what actions each and every Ontarian can take to prevent, reduce and divert waste, right at home.

In an email sent to municipal governments on April 23, 2020 the Minister of the Environment, Conservation and Parks advised that in support of the effort to stop the spread of COVID-19 and help keep Ontarians safe, the Ministry would be postponing public and corporate cleanups until later in the year during Waste Reduction Week, which takes place October 19-25, 2020. The Town of St. Marys has not received any further correspondence related to the public and corporate clean ups and if they will proceed in October. However, the Town should consider participating in Waste Reduction Week.

REPORT

Waste Reduction Week is the third week of October (October 19 to 25) and is led by the Recycling Council of Ontario with support from a coalition of not for profit environmental groups and governments from each of the 13 provincial and territorial jurisdictions across Canada. The program's primary purpose is to celebrate Canada's environmental efforts and achievements while encouraging new innovative ideas and solutions. Furthermore, Waste Reduction Week in Canada further provides information and ideas to reduce waste in all facets of daily living, creating the solutions to the many environmental challenges we face including climate change, water pollution and preservation of natural resources.

The program calls on municipalities to make a proclamation declaring the third week of October as Waste Reduction Week and then lead an education campaign regarding waste reduction activities. The proclamation includes a commitment from Council:

“We commit to waste reduction, resource conservation, and community education for sustainable living. We recognize that losing waste to disposal and as litter are local and global threats to the environment. We will take action to reduce our waste and support the circular economy”

For 2020, the Recycling Council of Ontario has created a thematic daily campaign. The 2020 campaign hopes to introduce the concept of circular economies and celebrate broader circular economy initiatives and concepts. The week is set up as follows:

- Monday, October 19, 2020: Circular Economy & Kick-off
- Tuesday, October 20, 2020: Textiles
- Wednesday, October 21, 2020: E-Waste
- Thursday, October 22, 2020: Plastics
- Friday, October 23, 2020: Food Waste
- Saturday, October 24, 2020: Sharing Economy
- Sunday, October 25, 2020: Swap & Repair

For each day the diversion program can be highlighted and tailored to St. Marys specific programs. For more information please see here: <https://wrwcanada.com/en/2020-theme-days>

Staff are proposing that the Green Committee make a recommendation to Council that it make a proclamation that the third week of October be Waste Reduction Week, and that staff create a media campaign (online and print) promoting the waste reduction week and diversion programs in St. Marys.

FINANCIAL IMPLICATIONS

There are small costs associated with advertising, those costs can be covered by the Public Works and Landfill operating budgets.

SUMMARY

Waste Reduction Week is a Canada-wide program that advocates for the reduction of waste and promotes waste reduction activities. The Town of St. Marys should consider adopting the program and declaring Waste Reduction Week in St. Marys.

STRATEGIC PLAN

☒ Not applicable to this report.

OTHERS CONSULTED

Dave Blake, Environmental Services Supervisor

Brett O'Reilly, Corporate Communications Manager

ATTACHMENTS

None.

REVIEWED BY

Recommended by the Department

Morgan Dykstra
Public Works Coordinator

Jed Kelly
Director of Public Works, CRS

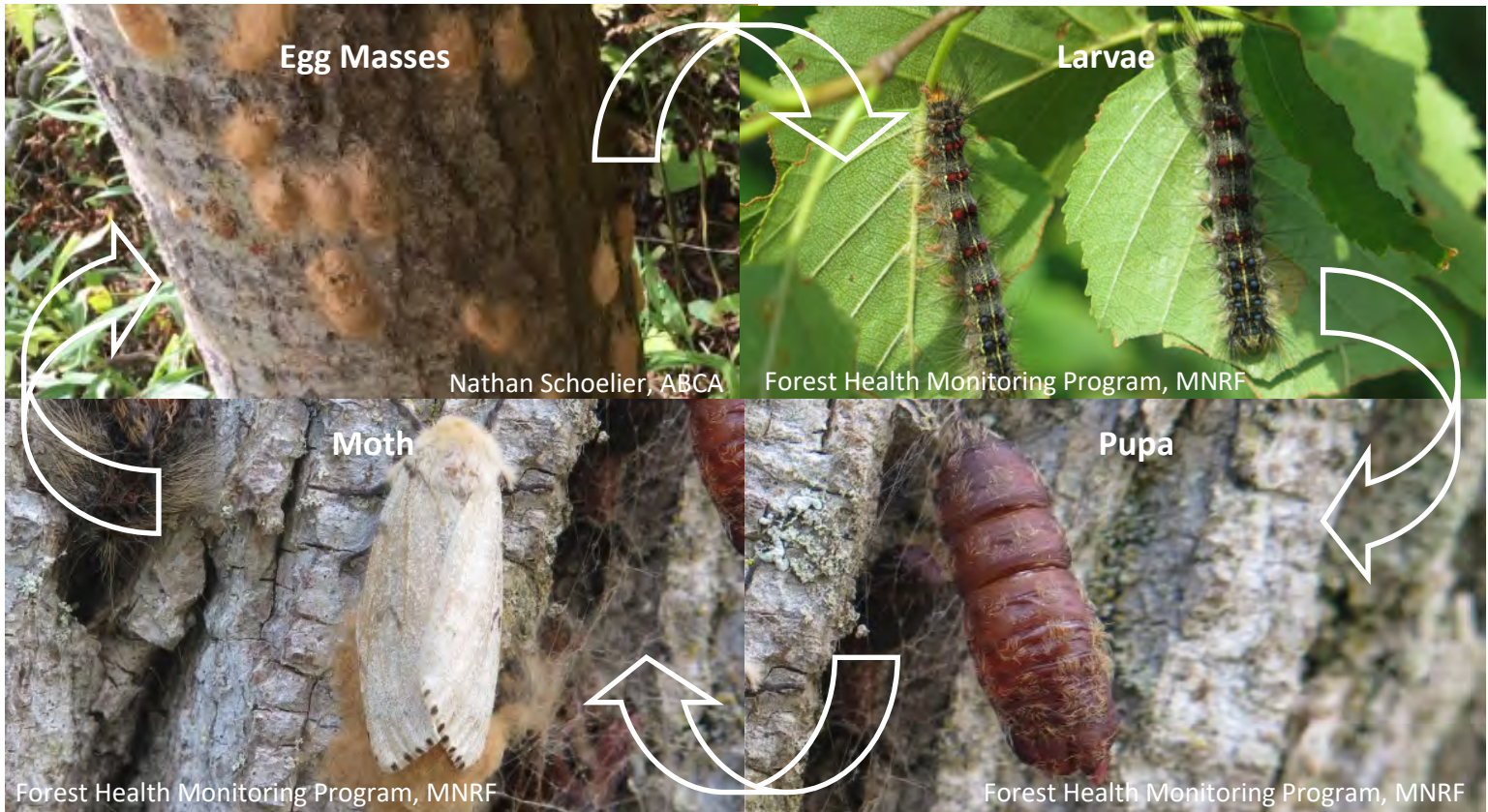
Landowner Guide to Gypsy Moth Management

(*Lymantria dispar*)

April 1, 2020

General Overview

- An invasive insect to North America, native to Asia and Europe
- Defoliates host trees, with Oak and Poplar being among the insects favourite host trees
- During Gypsy Moth outbreaks, severe defoliation can be observed across the landscape
- Defoliation results in aesthetic concerns, severe defoliation or defoliation across consecutive years can negatively impact tree health and survival



Identification Features

Time of Year

Egg Mass	<ul style="list-style-type: none">• Approximately 4 cm in size, orange-tan soft mass• Commonly found on tree trunks, can be on other structures	September to late April
Larvae	<ul style="list-style-type: none">• 5-6 cm caterpillar, has 5 pairs of blue dots followed by 6 pairs of red dots along its back	May to August
Pupa	<ul style="list-style-type: none">• 5-6 cm. Hard shell, brown with fine hairs• Commonly found in bark crevices, can be on other structures	June to late August
Moth	<ul style="list-style-type: none">• Females are white, have a 5cm. wingspan but cannot fly• Males are brown, have a 2.5cm. wingspan, are able to fly	July to September

Ausable Bayfield Conservation Authority (ABCA)

71108 Morrison Line, R.R. #3 Exeter, ON N0M 1S5

(519) 235-2610 • 1-888-286-2610 • www.abca.ca • info@abca.ca

Landowner Guide to Gypsy Moth Management

(*Lymantria dispar*)

What can you do to protect your trees?

Remove & Dispose of Egg Masses - November through until late April

- Removing and disposing of egg masses is an effective way to prevent the emergence of thousands of caterpillars
- Scrape the egg masses off of the tree with a dull knife and place them into a sealable bag or a container of soapy water for a few days before discarding of them



Place Sticky Barriers on Trees - Late April through until late May

- Placing sticky barriers on the trunk of the tree can inhibit some of the young caterpillars from crawling up the tree
- A few rounds of either double sided tape, or inverted duct tape applied to the tree trunk

Install Burlap Bands - Late May until late August

- Placing burlap bands on the trunk of the tree provides a location for the caterpillars to congregate during the day
- Place burlap on the tree (approx. 1m high), attach it in the middle and fold it down over itself to create a "pocket." Every afternoon, collect the caterpillars that have congregated within the burlap; squish or place them in soapy water to reduce caterpillar numbers



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