

# 2020 Annual Report | Regreening Program



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## 2020 Partners

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### **Regreening Program**

City of Greater Sudbury

Collège Boréal

Conservation Sudbury

Sudbury Integrated Nickel Operations, a Glencore Company

tentree

Tree Canada

Vale

### **Ugliest Schoolyard Contest**

Corporate Sponsor: Sudbury Integrated Nickel Operations, a Glencore Company

Ace Yard Care

Azilda Greenhouses

Futurescape Landscaping

Gardens by Nathan

Greater Sudbury Regreening Program

Jetty's Landscaping Supplies

Sudbury Horticultural Society

Southview Greenhouse Growers

Vale



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## 2020 Highlights

Regreening operations were considered an essential City service throughout the COVID-19 pandemic this year. Modifications to operations were required, however: the start date was two weeks later than usual, and the Regreening crew was staffed solely through re-hires resulting in a 35% staffing reduction. In addition, some of our funders were unable to support us at all and some to a reduced level due to various COVID-19-related reasons. Despite these setbacks, work continued as guided by the 5 YEAR PLAN 2016-2020.

The Regreening Program created 17 temporary employment opportunities, limed four hectares (ha) of barren land in the Coniston area and planted over 66,000 tree, shrub and understory tree seedlings throughout Greater Sudbury.

Regreening Component	2020	To Date (since 1978)
Tree Seedlings Planted	36,183	9,894,607
Shrubs and Understory Tree Seedlings Planted	30,646	461,988
Area Limed	4.0 ha	3,488 ha
Area Fertilized	4.0 ha	3,262 ha
Area Seeded	4.0 ha	3,189 ha
Forest Floor Transplants	0.1177 ha	2.01 ha
Program Cost	\$862,340	\$34,387,892
Temporary Employment Opportunities	17	4,823
Awards	--	15
Number of Schoolyards Regreened	27**	47
Volunteer Tree Planters	25	12,936
Trees Planted by Volunteers	586*	382,503
Trees Provided for Residential Plantings	--*	431,399

\*Values are included in the Tree, Shrubs and Understory Tree Seedlings Planted.

\*\*Maintenance conducted on past winners only; no new schools selected.

The 16th annual “Ugliest Schoolyard Contest” hosted by VETAC continued again this year with some adjustments due to COVID-19 restrictions. Twenty-seven past winning schools received some needed maintenance work on their regreened spaces. Several local businesses, corporations and special interest groups provided funding, materials and offered services to complete the schoolyard maintenance projects. Corporate funding from Sudbury Integrated Nickel Operations, a Glencore Company (Sudbury INO), for \$20,000 enabled these schools to offer greener, more engaging environments for students. Schoolyard regreening efforts occurred from late August until the middle of November.

The large-scale forest floor transplant project proceeded again in 2020 with another 9 sites containing 70 plots receiving forest floor mats contributing to the total area of 2.01 ha since 2010.

## The Regreening Process

### Crushed Limestone, Fertilizer and Seed

The liming activity this year focused on an area of barren land west of Coniston, which is a continuation of last year's activities. Four hectares of barren land received the manual application of crushed dolomitic limestone. Fertilizer and seed application occurred in early September.

The seed mix, consisting of agricultural and native species, contained:

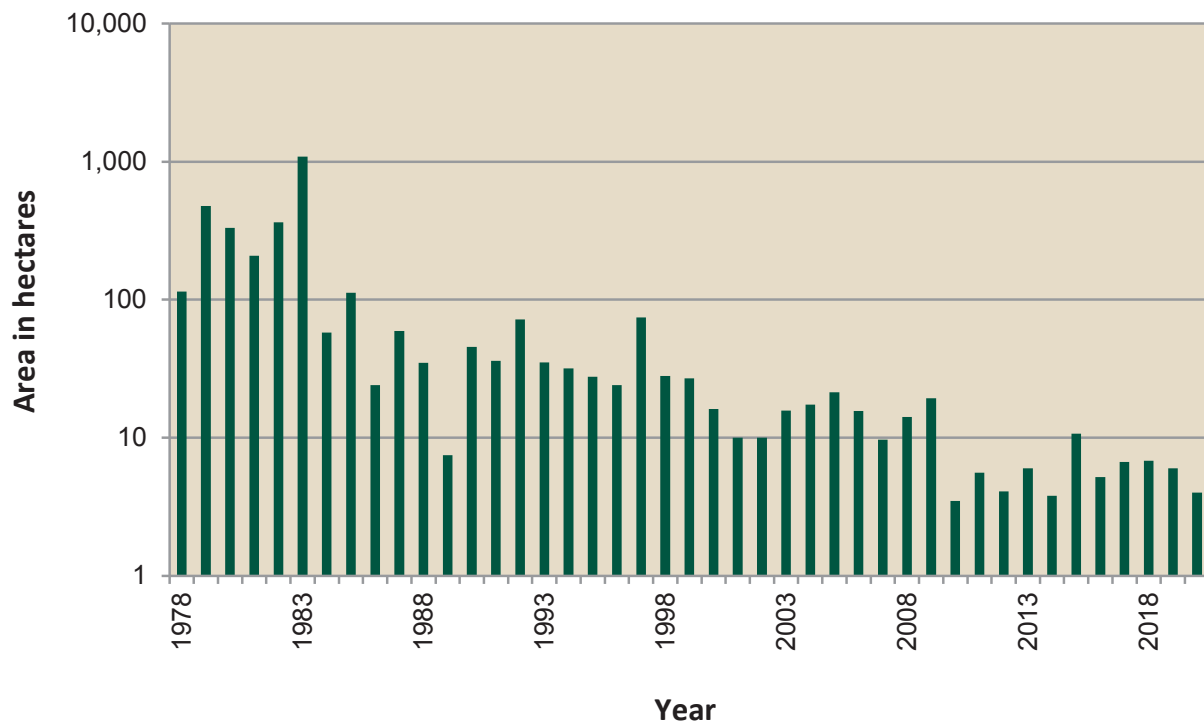
- 40% fall rye (*Secale cereale*)
- 20% Canada wildrye (*Elymus canadensis*)
- 20% little bluestem (*Schizachyrium scoparium*)
- 10% slender wheatgrass (*Elymus trachycaulus*)
- 10% alsike clover (*Trifolium hybridum*)

The Regreening crew also collected approximately 2.5 kg of uncleaned poverty oat grass seed, which was sown at the manual lime site and a plot was planted at a new trailhead at Dynamic Earth.

See page 6 for a map of the location of liming activities. To date, the City's Regreening Program has treated 3,488 ha of barren land with crushed limestone.

### Area Limed 1978 to 2020

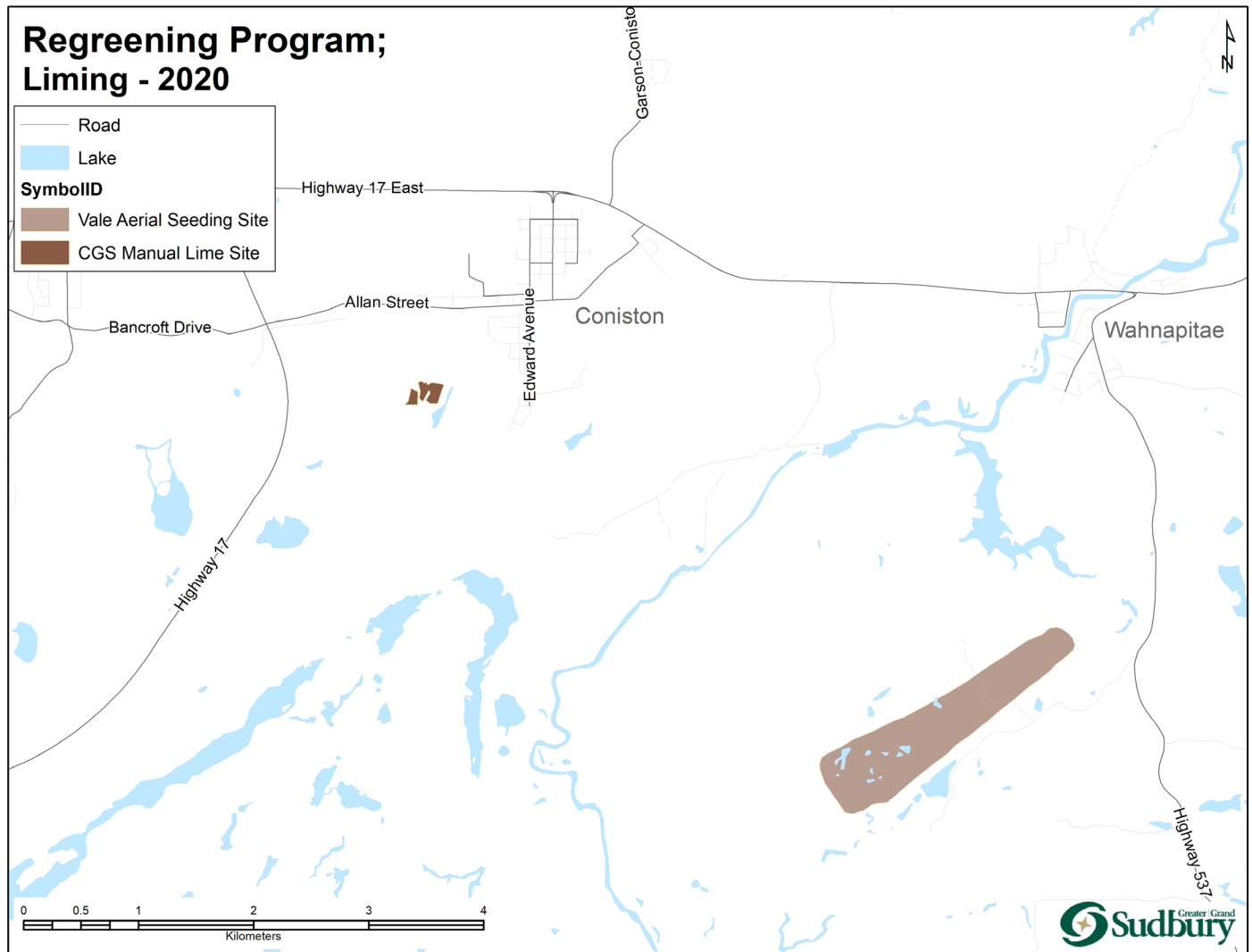
The bar graph below indicates the area in hectares limed per year by the municipal Regreening Program since 1978 with a grand total of 3,488 ha limed to date.



## Vale Aerial Seeding Program

As part of its ongoing collaboration with the City's Regreening Program, Vale aurally seeded approximately 100 ha of barren land south of Wahnapiatae using pelletized dolomitic limestone, fertilizer and the same agricultural/native seed mixture as the Regreening Program. This area will be planted with tree/shrub seedlings in 2021.

## Map – Lime Site 2020



NOTE: Up-to-date mapping is available on the [Regreening App](#).

## Tree Planting

A total of 36,183 tree seedlings and 30,646 shrub/understory tree seedlings were planted throughout Greater Sudbury through the spring and fall. Since 1978, the Program has planted a total of 9,894,607 trees and 461,988 shrubs/understory trees.

Tree Canada provided funding for 50,000 trees and shrubs and tentree donated funds to have 51,497 tree seedlings planted. In addition, Vale donated over 1,500 white spruce seedlings to the Program.

Seven species of deciduous understory trees, nine shrub species and six canopy tree (conifer and deciduous) species were planted in 2020. To date, 29 species of canopy trees (13 conifer and 16 deciduous), 11 species of understory trees and 40 species of shrubs have been planted. A total of 80 different tree and shrub species are part of the Regreening ‘recipe’ to date.

Canopy Trees	Understory Trees	Shrubs
Tamarack	Striped Maple	Black Chokeberry
White Spruce	Green Alder	Red Osier Dogwood
Black Spruce	Alternate Leaf Dogwood	Winterberry Holly
Red Pine	Common Elderberry	Sweet Gale
White Pine	American Mountain-ash	Ninebark
Eastern White Cedar	Showy Mountain-ash	Prickly Wild Rose
	Wild Raisin	Swamp Rose
		Red Elderberry
		Buffalo Berry

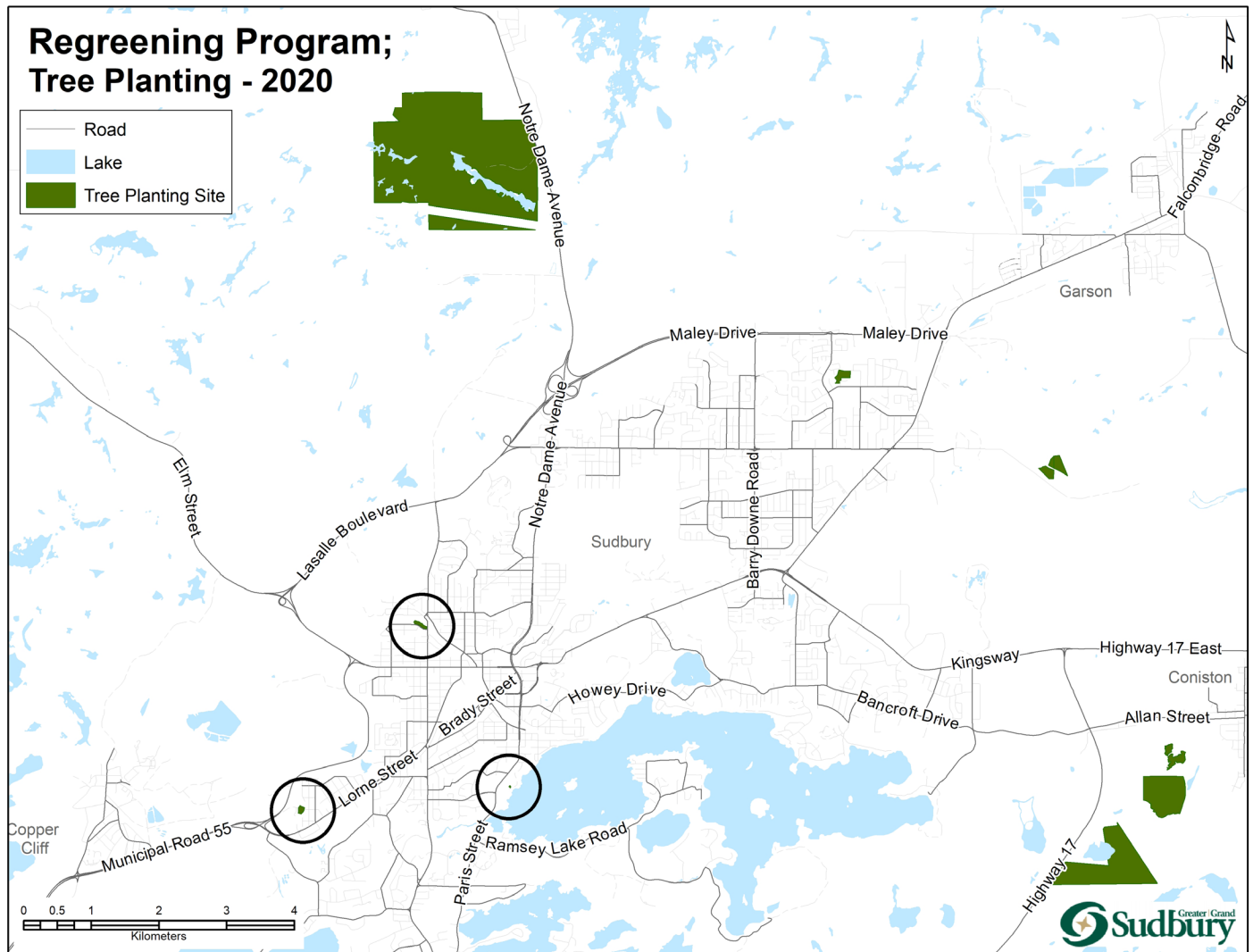
Vale aerially limed and seeded 100 ha of barren land located to the south-west of Coniston in the fall of 2019 as a continuation of their efforts in 2018. Part of this area is reserved as a whip-poor-will habitat restoration site, and as such, planting material focused mainly on lower growing shrubs and understory trees with less focus on tall trees. Species planted was limited to green alder this year.

The main planting site was around the boundary of the Thayer Lindsley Site funded by Tree Canada. Additional planting occurred at sites prepared in previous years (both manual and aerial lime sites) and small neighbourhood sites.

Refer to the tree planting map on page 8 for locations of the planting sites.



Map – Tree Planted Areas 2020



NOTE: Up-to-date mapping is available on the [Regreening App](#).

## Quality & Survival Assessments

Tree Canada requires that funded plantations be evaluated for quality and survival. A certified assessor from Collège Boréal visited the planting crew on-site in the spring and in the fall. Overall, the crew's quality was evaluated at 98% for spring trees and 93% for fall trees. Survival assessments were also conducted. There was an average of 97% survival for first year plantations, 93% survival for second year plantations and 86% survival of fifth year plantations. Pine and deciduous trees tended to have the greatest survivability (90%) with lower scores for shrubs like elderberry, green alder, bearberry and sumac (80%).

## Volunteer Tree Planting Events

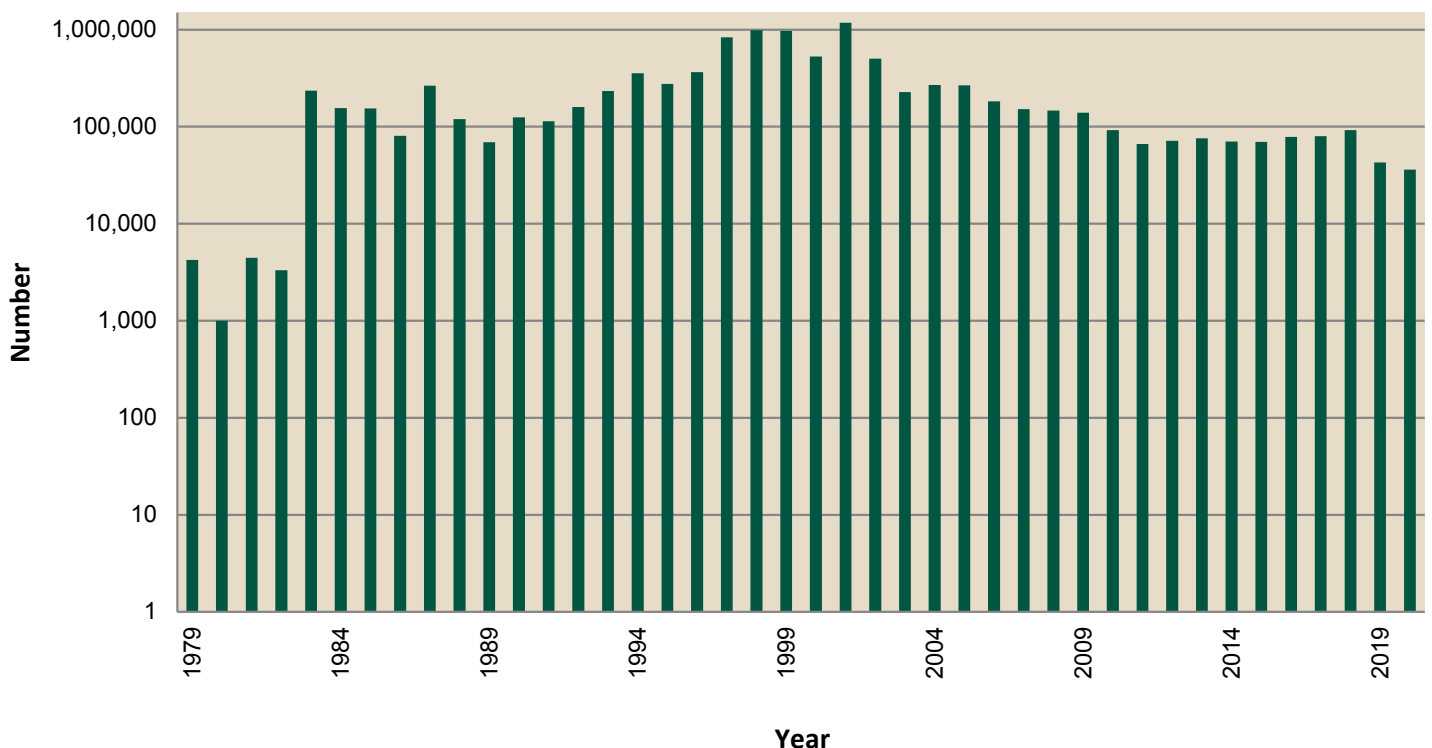
The Regreening Program is able to offer seedlings, planting equipment and guidance to local groups wanting to participate in the regreening effort. Volunteer participation provides an educational opportunity on environmental issues and information on the City's Regreening Program, tree planting experience as well as a sense of community pride and ownership of the natural environment. This year there was limited participation due to COVID-19 restrictions.

Group planting activities included Capreol Ski Club, a student producing a virtual planting project and Junction Creek Stewardship Committee (JCSC). Together, about 25 volunteers planted 586 seedlings this year.

Since the volunteer program began, 12,936 volunteers have planted 382,503 seedlings.

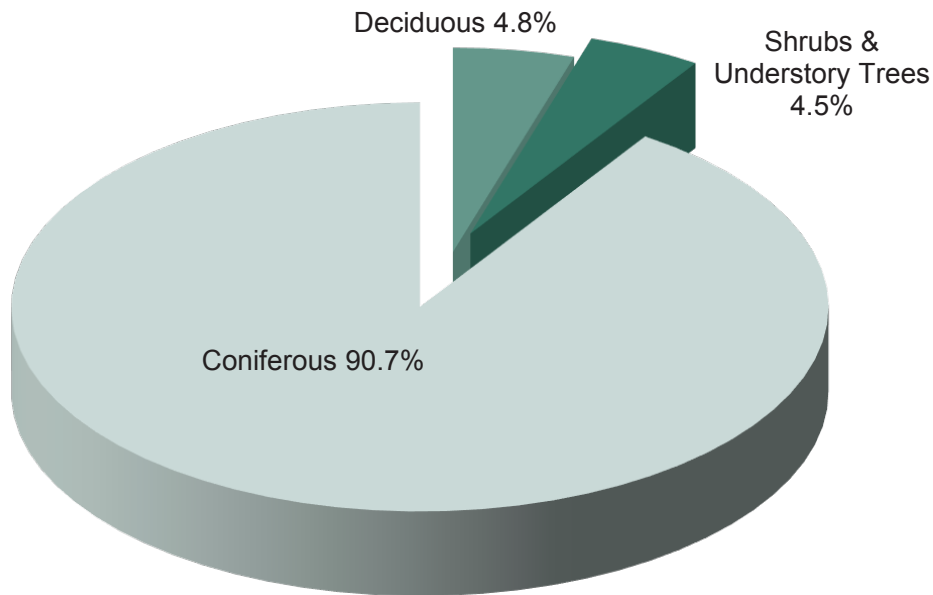
## Number of Trees Planted 1979 to 2020

The bar graph below indicates the number of trees planted each year since 1979 totaling 9,894,607 trees.



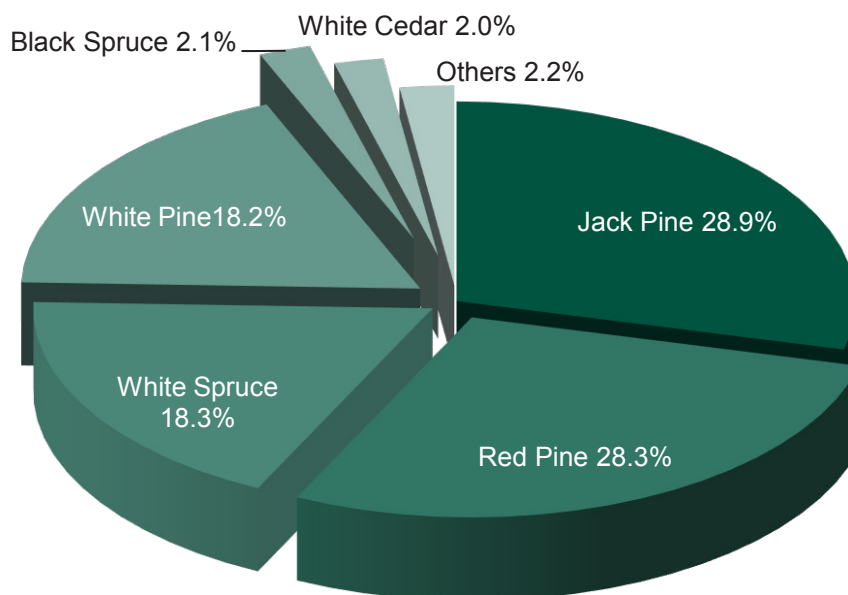
## Percent of Species Planted 1979 to 2020

The pie graph below illustrates the percentage of each type of species planted since 1979 totaling 10,356,595 plants.



## Percent Coniferous Species Planted 1979 to 2020

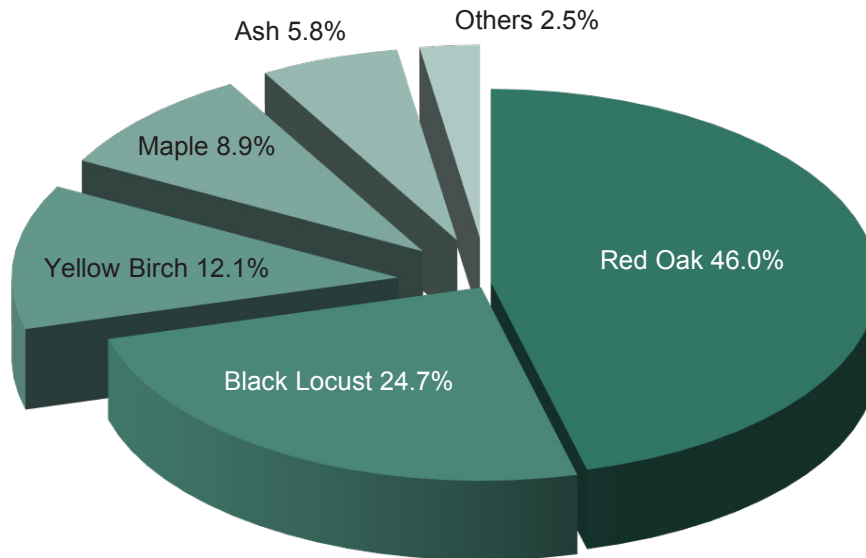
The pie graph below illustrates the percentage of each coniferous tree species planted since 1979 totaling 9,396,864 trees.



Others Include: tamarack 1.4%, balsam fir 0.3%, Norway spruce 0.2%, larch 0.2%, hemlock 0.1%, and Austrian pine <0.0%.

## Percent Deciduous Species Planted 1979 to 2020

The pie graph below illustrates the percentage of each deciduous tree species planted since 1979 totaling 497,743 trees.

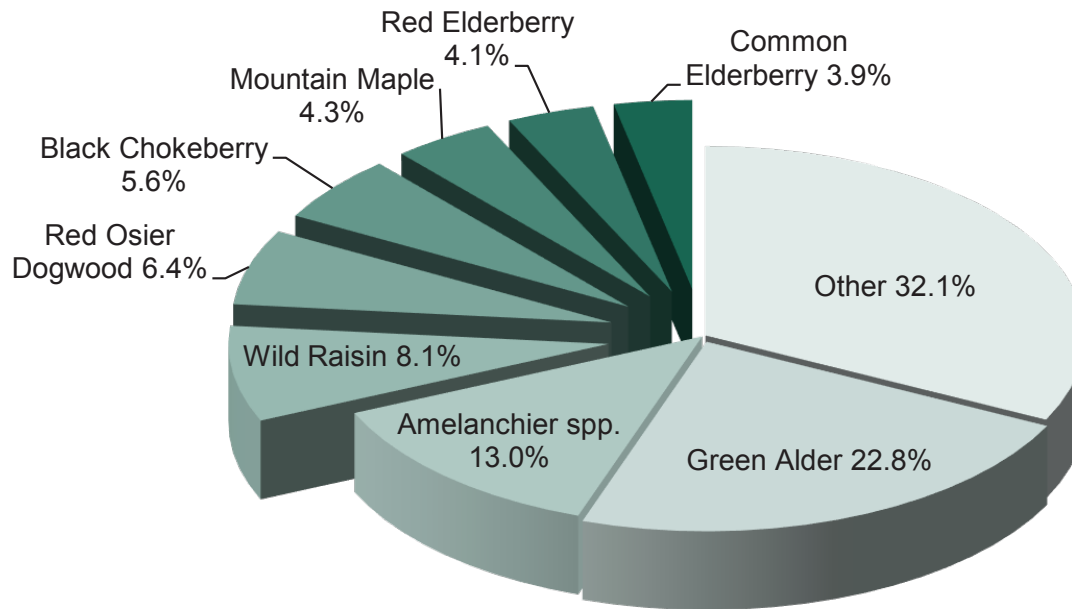


Others Include: Russian olive 1.0%, bur oak 0.7%, ironwood 0.5%, American beech 0.1%, basswood 0.1%, bitternut hickory <0.1% and white oak <0.1%.



## Percent Shrubs and Understory Trees Planted 1979 to 2020

The pie graph below illustrates the percentage of each type of shrub or understory tree species planted since 1979 totaling 461,988 plants.



Others include: alternate leaf dogwood 3.5%, striped maple 3.0%, round leaf dogwood 2.9%, staghorn sumac 2.1%, bearberry 2.1%, mountain-holly 1.7%, caragana/Siberian pea shrub 1.6%, bush honeysuckle 1.4%, smooth wild rose 1.3%, winterberry holly 1.3%, hardhack 1.0%, American mountain-ash 1.0%, swamp rose 0.9%, ninebark 0.9%, high-bush cranberry 0.8%, common juniper 0.7%, choke cherry 0.7%, clematis 0.6%, buffalo berry 0.6%, prickly wild rose 0.5%, showy mountain-ash 0.4%, white meadowsweet 0.4%, mugho pine 0.4%, nannyberry 0.3%, snowberry 0.3%, broad-leaved meadowsweet 0.2%, hobblebush 0.2%, buttonbush 0.2%, pin cherry 0.2%, Canada yew 0.2%, black chokeberry 'Viking' 0.2%, wild black currant 0.2%, flowering raspberry 0.1%, sweet gale <0.1%, wintergreen <0.1%, red chokeberry <0.0%, American hazel <0.0%, sandcherry <0.0%, and Canada plum <0.0%.



## Seed Collecting

Crew and Staff collected seeds, berries and cuttings of various species that were shipped to the nursery to grow for future stock. The result was over 33 kg of cleaned seed and almost 1,000 cuttings. See the adjacent table for species and quantity of cleaned seeds/berries collected in grams, or number of cuttings.

The crew also collected about 2.5 kg of uncleaned poverty oat grass seed, thanks to Hanmer businesses K. J. Beamish Construction Co. Ltd. and OCL Trucking and Custom Crushing, as well as a private Hanmer residence, allowing the crews access to their site. Seeds for these native grasses are not readily available commercially and therefore are collected manually from local sources. Seeds were sown directly on the manual lime site in the fall.

Species	Cleaned Seed Weight (in grams)
Red Oak	32,360
Staghorn Sumac	471
Winterberry Holly	143
Sweet Gale	156
Bearberry	86
Common Juniper	70
Snowberry	23
American Bittersweet	19
Red Osier Dogwood	8
Swamp Milkweed	4
Yellow Birch	2
Meadowsweet	<1

Species	Number of cuttings
Canada Yew	800
Sweet Fern	150

## Biodiversity

### Forest Floor Transplants

The practice of transplanting forest floor plants has occurred yearly since 2010 as a technique to re-introduce species, improving habitat, creating a seed bank and increasing the diversity of older reclamation sites. Crown land north of Capreol and a couple of private landowners provided access to sites in Chelmsford and St. Charles. From mid-June to October, vegetation was harvested from all sites, providing a greater variety of species represented in the mats recovered.

The Regreening crews hand dug the top 10 cm of soil containing plants, seeds, microorganisms and invertebrates from the donor site. The vegetation was watered overnight and transported to regreened (receptor) sites in Greater Sudbury for transplanting. The focus this year was understory sites for shade tolerant species, but several exposed mats for shade intolerant species were also transplanted at various sites.

Criteria for selecting receptor sites for the understory transplants include the following: adequate canopy cover, low understory species diversity, sufficient soil depth and organic layer (>5cm) and surrounding areas that are large enough to allow the species to spread. This year, 3,690 trays of plant material were transplanted covering an area of approximately 0.118 ha. Of these, 570 trays were placed in exposed sites and the remaining 3,120 trays were placed in understory sites. There were 9 sites in all, 70 plots (each plot measures approximately 4m x 4m) and over 40 species re-introduced to the regreening sites.

Over the 11 years of this initiative, 1,610 plots have received understory transplants covering a total area of approximately 1.99 ha, 262 plots received exposed transplants covering an area of 0.143 ha and at least 184 different species have been introduced. The area covered by forest floor is now the equivalent to over a dozen NHL-sized hockey rinks.

NOTE: Up-to-date mapping is available on the [Regreening App](#).



## Ugliest Schoolyard Contest

The regreening work at local schools took on a new form this year as VETAC continued with the 16th annual Ugliest Schoolyard Contest. Due to COVID-19, schools shut their doors in March and resorted to on-line learning from home. With continuing uncertainty caused by the pandemic through the following months, VETAC felt it could not count on full participation from the student body to create new greened spaces in their schoolyard. Instead of selecting a winning school, VETAC took this opportunity to award funding for needed maintenance to 27 past winning schools to help with the upkeep of their regreened spaces. The Contest administrator chose schools based on their past commitment to maintaining the initial Regreening project awarded to them.

Sudbury INO continued its commitment of \$20,000 for the Contest. Vale contributed \$2,000 for soil and mulch, and numerous local businesses generously provided material, supplies and services at discounted costs.

Depending on school and need, tree guards were either removed or installed, dead trees were removed and replaced, new trees were installed, existing trees were pruned, and garden beds were weeded and mulched.

Sudbury Horticultural Society photographer Lisa Robinson helped to document the projects with her extensive collection of photos later used to create a photo gallery and YouTube video. These resources can be accessed through the website [greatersudbury.ca/VETAC](https://greatersudbury.ca/VETAC).

Newspaper advertisements thanking all sponsors of the contest were published in the Sudbury Star (see page A7) on December 4 and Le Voyageur (see page 5) on December 9. This information also appeared on the City's social media sites. Without the on-going support for the Contest from all the sponsors, these important regreening projects would not be possible.

The Canadian Biodiversity Institute and Earth Day Ottawa initiated the first Ugliest Schoolyard Contest in Ottawa in 1998. Based on this example, VETAC's local version of the Contest launched in 2005 and has seen 47 local schoolyards regreened through the generous support of dozens of local businesses and organizations. Thousands of local students are benefitting every day from the improved schoolyard environments.



## Labour

Program staff included one foreperson, four crew leaders, ten workers and two summer students involved in regular regreening activities. In total 17 temporary positions were created in 2020. The size of the crew was reduced relative to previous years due to operational constraints related to COVID-19 restrictions.

The table below outlines the temporary positions created and the number of weeks worked, with 17 positions created in 2020.

Position Title	# Positions	# Weeks	Cost to City	Activity
Foreperson	1	22	100%	Supervision
Crew Leader	1	25	100%	Supervision
	3	24		
	8	22	100%	Tree planting, liming, transplanting, fertilizing, seeding, seed collection
Worker	1	16		
	1	9		
Summer Student	1	15	49%	Tree planting, liming, transplanting, seed collection
Summer Student	1	5	100%	Tree planting, liming, transplanting
Total Positions	17			



## Funding

The Regreening Program relies on donations to operate the yearly Program. Many successful partnerships have been developed over time and new opportunities are always being sought.

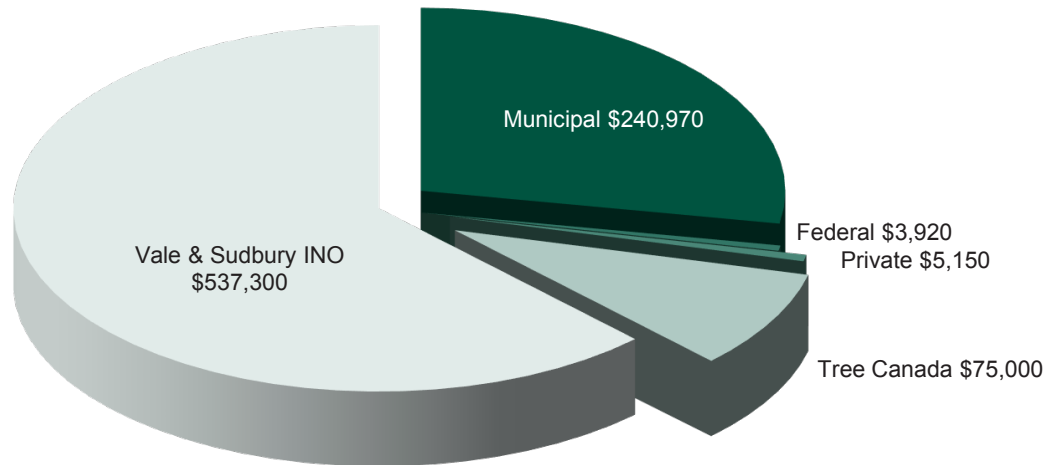
The table below outlines the program contributors and the dollar amount associated with their contributions in 2020 for a total of \$862,340.

Program Contributor	Description	Source	Amount
<b>Labour</b>			
Employment & Service Development Canada	Wage subsidy for 1 summer student over an 8 week period	Federal	\$3,920
tentree	Financial support to have 51,497 seedlings planted	Private	\$5,150
<b>Cash</b>			
Vale	Financial contribution	Mining Co.	\$250,000
Sudbury INO	Financial contribution	Mining Co.	\$265,000
<b>Materials</b>			
Tree Canada	Funding to purchase 50,000 seedlings	Private	\$75,000
Vale	Donation of 1,500 spruce seedlings	Mining Co.	\$300
<b>Ugliest Schoolyard Contest *</b>			
Sudbury INO	Financial contribution	Mining Co.	\$20,000
Vale	Financial contribution	Mining Co.	\$2,000
<b>Subtotal</b>	<b>Sum of external funding sources</b>	<b>Various</b>	<b>\$621,370</b>
City of Greater Sudbury	Financial contribution	Municipal	\$240,970
<b>Grand Total</b>	<b>Sum of all funding sources</b>	<b>Various</b>	<b>\$862,340</b>

\*does not include material and in-kind donations provided by sponsors

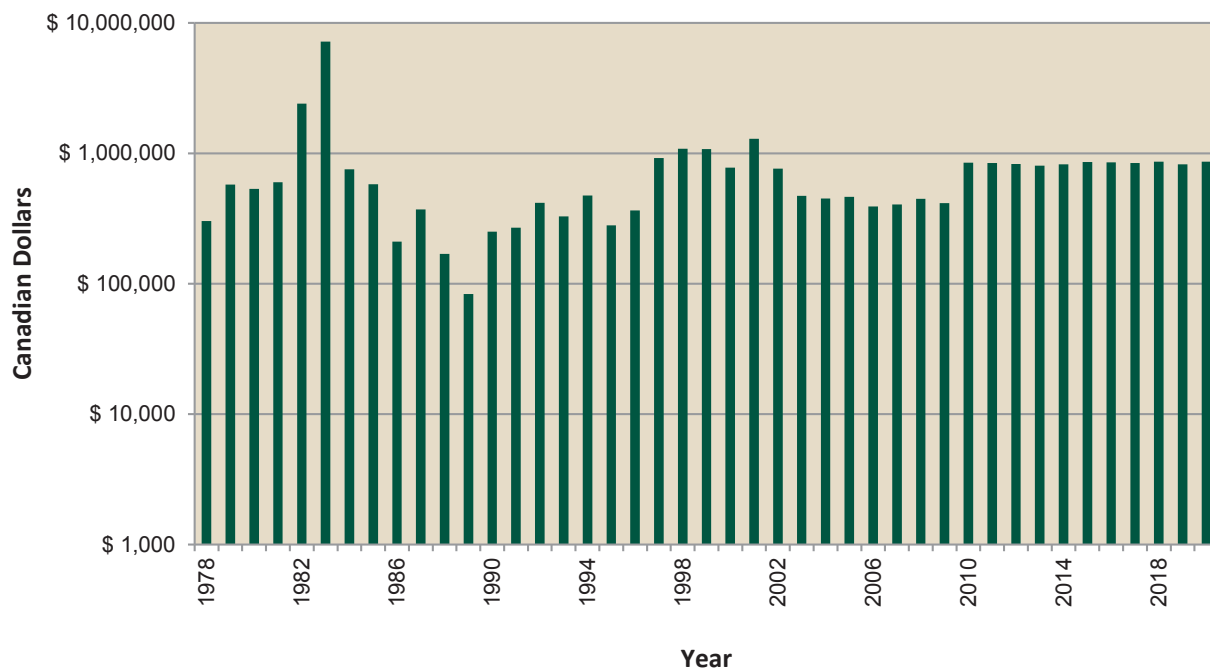
## Funding Contributions by Source 2020

The graph below illustrates 2020 funding contributions by source.



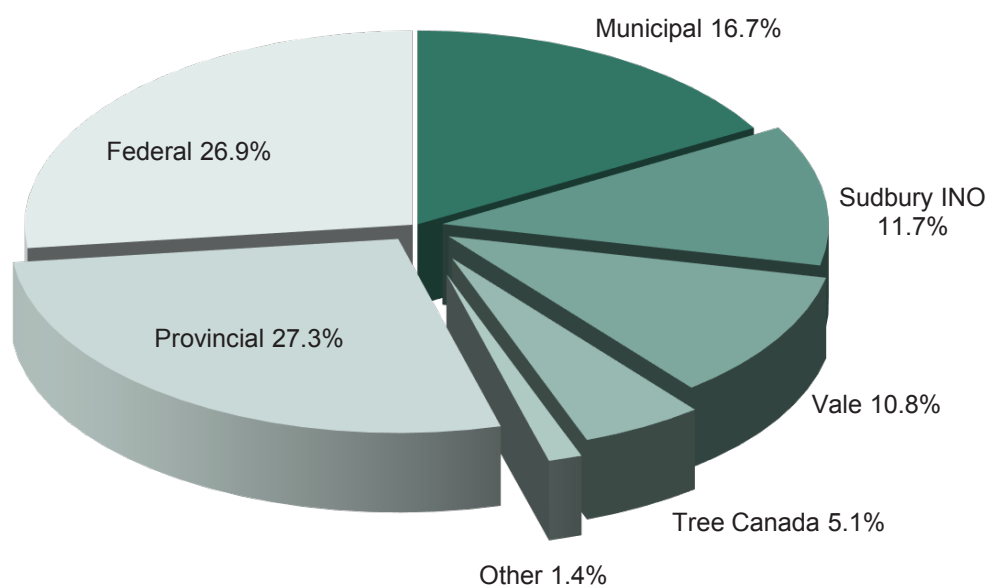
## Yearly Program Costs 1978 to 2020

The bar graph below indicates yearly program costs from 1978 to 2020 with a grand total of \$34,387,892.



## Percent Funding Contributions by Source 1978 to 2020

The graph below illustrates funding contributions in percentages by source from 1978 to 2020.



Since 1978, the City's contribution to the Program has averaged 16.7% of the total costs with 83.3% coming from external sources. To date, the Program costs exceed \$34.3 million.



## Community Engagement

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### Species of the Month

Originally offered in 2015, the Species of the Month campaign was re-established briefly in 2020 with the first three months of bookmarks made available to residents at local libraries starting in January. The bookmarks were advertised through City and EarthCare Sudbury Facebook pages and the Library's Instagram account monthly. The initial Public Service Announcement ([PSA](#)) was issued on January 9. The story was also featured in the [Sudbury Star](#) and on [Sudbury.com](#), with great excitement over the first species, the lake trout.

On March 16, the City closed the libraries, among other facilities, to promote social distancing and limit the potential spread of COVID-19 in the community. Although curbside pickup by appointment resumed on May 15 and phased reopening began on August 17, the Species of the Month campaign was suspended for the remainder of the year and will resume once full reopening occurs.

### Regreening Classroom Presentations

Four videos explaining the science and history of the Regreening Program were uploaded to the website late December 2019. Early in January 2020, the film quality was improved, the text was professionally translated and the voice-over and narration of the French videos were completed. Shortly after, a lesson plan for Grade 6 Science & Technology was made available. These videos are customized for students in grade 4 through 12 and came at a most opportune time as most learning turned to online sources starting in late March. The City's Coronavirus webpage also featured an [Online Activities and Resources](#) page that linked to the Regreening and Biodiversity resources. Emails sent to all four local school boards promoted the online resources available several times throughout the year.

### Education

Samantha Fowler of Laurentian University's Let's Talk Science program along with other volunteer students, who visit the community to tell science stories, was developing a Regreening board game that would fit with the school curriculum. This initiative would complement the on-line videos described above. In May, it was advised that the board game development from the Let's Talk Science program was paused as subcommittee members have been unable to meet as a group.

### Other

The COVID-19 pandemic and associated restrictions and closures affected community events and outreach programs. The Earth Day event at the University of Sudbury scheduled for April 21-22 was canceled so VETAC member Franco Mariotti did not participate as planned. The Sudbury Gardening Festival scheduled for May 30 was canceled resulting in the cancelation of the annual Tree Giveway. Trees /shrubs for that event were planted by the Regreening Program as part of regular operations. The June 10 Travel Media Association tour was postponed, hoping for a fall date, but that never materialized under the continuing situation. The Sudbury earthdancers annual performance was also canceled resulting in lost donations.

## Award

### 2019 Lieutenant Governor's Ontario Heritage Award for Lifetime Achievement

Congratulations to VETAC member and founder of the local Ugliest Schoolyard Contest, Wayne Hugli, for receiving this award on February 21, 2020 in Toronto, for exceptional achievement in conserving Ontario's heritage. Wayne Hugli (Treasurer) shares this award with Carol White (Executive Director) for their direction of the Ontario Heritage Fairs program of the Ontario Heritage Fairs Association (OHFA). For more information, visit [Ontario Heritage Trust](#) or local coverage from [Sudbury.com](#).

### 2020 Tom Peters Memorial Mine Reclamation Student Bursary

Congratulations to Laurentian University first year PhD student, Johnathan Lavigne, for receiving the [2020 Tom Peters Memorial Mine Reclamation Student Bursary](#), presented by the [Ontario Chapter of the Canadian Land Reclamation Association \(CLRA\)](#). Jonathan is supervised by VETAC Chair Peter Beckett and VETAC member Nathan Basiliko, and his research focuses on the introduction of novel reclamation strategies to improve soil fertility in mining impact areas. Tom Peters was considered a 'pioneer' in land reclamation and was a long-time member of VETAC.



## VETAC Field Trips

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Field trips were held in 2020 to allow VETAC members to experience and familiarize themselves with stages of ecological recovery of local sites. The development of the various stages was discussed during the visits by the members present.

## Tours and Presentations

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### Tours and Presentations

January 14	John Gunn gave a presentation to a group of delegates of China's coal mining industry. Peter Beckett and Graeme Spiers conducted a Regreening tour for the delegates afterwards.
January 23	Nathan Basiliko provided a presentation to the Université du Québec in Abitibi-Témiscamingue on "The regreening of the Sudbury landscape and landscape carbon accumulation following reductions in smelter emissions."
February 27	As part of Laurentian University Research Week Symposium Program on Canadian Forest Ecosystems in a Changing Climate, Peter Beckett presented a poster on Achievements of Regreening to 50 delegates.
March 4-6	Peter Beckett and Graeme Spiers provided a presentation on "40+ Years of Healing and Creating Novel Functional Ecosystems on a Smelter-Impacted Landscape" to the Canada-Peru Chamber of Commerce Delegation at Laurentian University. The group of 13 delegates included representatives from mining companies and Governors of two Peruvian Provinces.
March 9	Peter Beckett gave a presentation at Cambrian College on Healing the Sudbury Landscape to 35 students from the College's Environmental Monitoring and Impact Assessment Program and Environmental Technician Programs.
April 15	At the Freshwater Cooperative Unit's AGM in the Living with Lakes Centre, Peter Beckett expressed his views on Sudbury, Canada – 40+ years of Healing by Regreening and the next 30 years (to 2050) to 60 delegates via video conference.
August 9	Graeme Spiers and Peter Beckett were interviewed by Sara Miller Llana, Canada Bureau Chief of The Christian Science Monitor and provided a tour of the Kelly Lake Hill. The visit resulted in the September 24 article listed in the following section.
September 7-11	Peter Beckett on behalf of L-CARE colleagues gave a presentation ( via video conference): Ecosystem Carbon Storage in the Mine and Smelter Impacted Landscape of Sudbury, Ontario, Canada to 400 delegate at the 3rd International Congress on Planning for Mine Closure, Santiago, Chile. Simultaneous translation
September 25	Peter Beckett led a seminar Regreening Science Transforms the Sudbury Landscape for Community Benefits, to Over 60 attendees from the Laurentian University community including participants from Peru and Moscow State University.

- September 26 Tour of the Coniston-Wahnapitae regreened area, including Jane Goodall Trail for graduate studies in LU course 5376 – Land Reclamation Practice
- November 27 Graeme Spiers and Peter Beckett made a presentation at III CONGRESO MINEROSUR 2020, Universidad Nacional Jorge Basadre Grohmann, Tacna, Peru. This was a remote conference to over 400 mining engineers and researchers on “Manufacture of Technosols on Mining Lands – Canadian Examples”. The talk included discussion of carbon sequestration in the early plantings on Inco Tailings, and an overview of the suite of organic additions work since the 90’s in the Sudbury region. There was simultaneous translation.
- December 4 Nathan Basiliko provided a presentation at the Trent University - School of the Environment on “The regreening of the Sudbury landscape and landscape carbon accumulation following reductions in smelter emissions.”
- December 11 Graeme Spiers presented “Sudbury - Emissions Impacts on the City of Lakes” via ZOOM at the School of Environmental Engineering, Universidad Nacional de Moquegua, Ilo Campus, Peru. The class of about 30 students and academics from UNAM, Ilo Campus received simultaneous translation.



## Communication

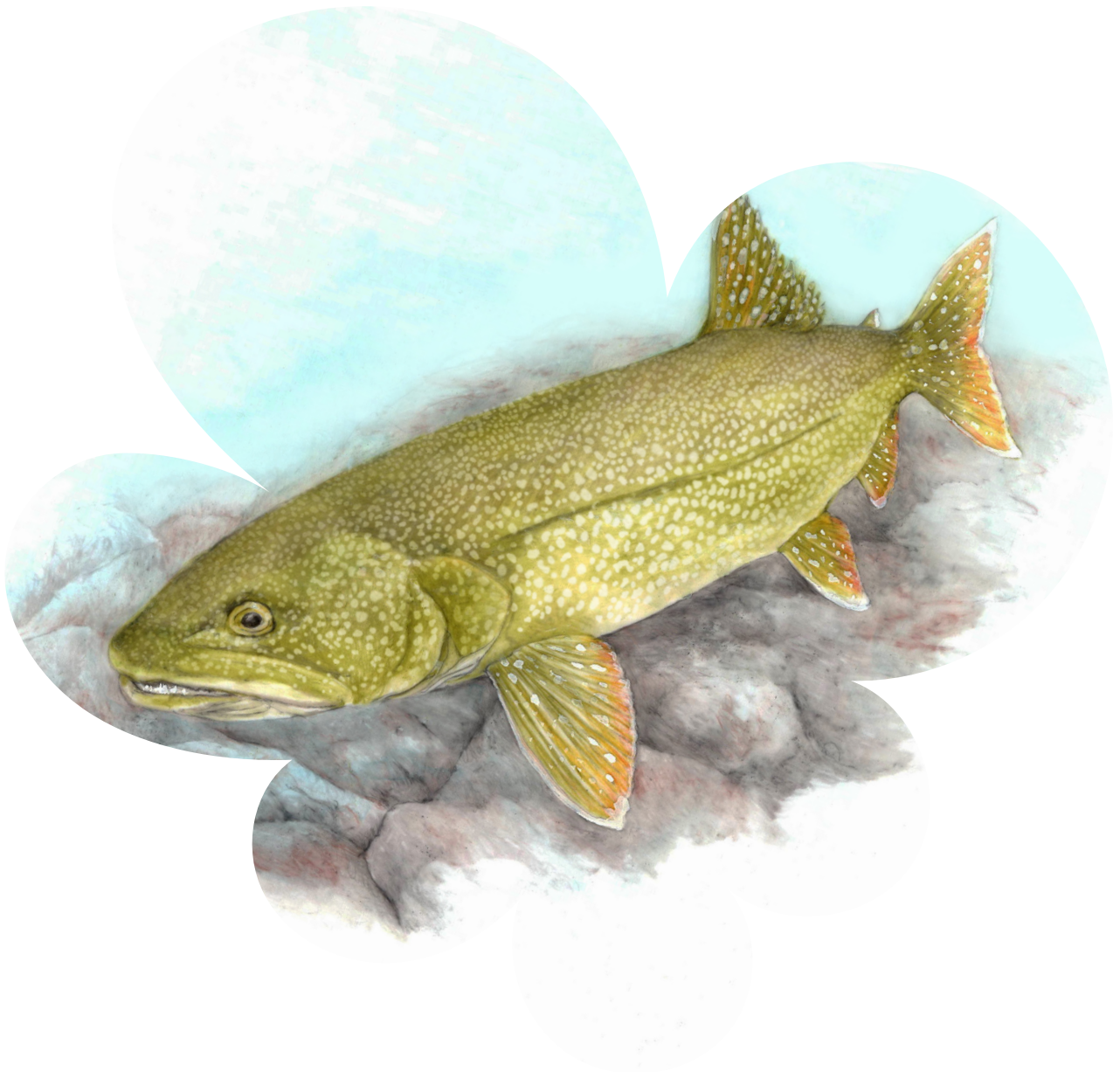
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### Publications / Web News

January 10	<a href="#"><u>Go to the library, get a free bookmark featuring local plant or animal species,</u></a> from Sudbury.com
January 23	<a href="#"><u>Lake trout's return reflects success of Sudbury's regreening efforts,</u></a> by Mary Katherine Keown, Sudbury Star.
July 19	<a href="#"><u>How well is Sudbury's re-greening effort working? Scientists crunching the numbers,</u></a> CBC.ca
July 20	<a href="#"><u>Un chercheur estime la quantité de carbone capturée par les arbres à Sudbury depuis 40 ans,</u></a> Radio-Canada L'heure du monde.
July 27	<a href="#"><u>Le reverdissement est une des solutions aux changements climatiques,</u></a> from La voix du Nord, lavoixdunord.ca.
July 31	<a href="#"><u>Net Zero Sudbury: Re-greening is part of the climate solution,</u></a> from Sudbury.com.
September 24	<a href="#"><u>The Sudbury model: How one of the world's major polluters went green,</u></a> The Christian Science Monitor.
September 25	<a href="#"><u>Schoolyards get makeover just in time for outdoor learning,</u></a> Rainbow District School Board.
September 28	Rainbow District School Board - <a href="#"><u>Schoolyards get makeover just in time for outdoor learning,</u></a> Education News Canada.
September 29	<a href="#"><u>Sudbury regreening program nearing 10 million trees planted,</u></a> Northern Ontario Business.
September 30	<a href="#"><u>Vale's aerial seeding program underway,</u></a> Sudbury.com.
September 30	<a href="#"><u>Sudbury regreening program nearing 10 million trees planted,</u></a> Sudbury.com.
October 1	<a href="#"><u>Lansdowne Public School aims to bring some classes outdoors, all year long,</u></a> CBC News.
October 3	<a href="#"><u>Ugly school yard contest has been good for Sudbury students,</u></a> Sudbury Star, Saturday.
October 4	<a href="#"><u>Schoolyard in Sudbury get makeover in time for outdoor learning,</u></a> Sudbury Star. This story was also picked up by The Londoner, Brantford Expositor and the Newslocker in Kingston.
October 7	<a href="#"><u>U.S. mag highlights Sudbury regreening,</u></a> Sudbury Star.
December 4	<a href="#"><u>Marking World Soils Day a chance to reflect on importance of soil regeneration,</u></a> from cbc.ca/news

## Radio Interviews

- July 16                      CBC's [Scientists in Sudbury can measure the impact of regreening on carbon emissions.](#) Morning North with Marcus Schwabe interview with Peter Beckett.
- October 1                    CBC's [The outdoor classroom at Lansdowne Public School in downtown Sudbury.](#) Morning North with Markus Schwabe.
- December 4                CBC's [Soil is being lost and that concerns soil scientists.](#) Morning North with Markus Schwabe, interview with Nate Basiliko.
- December 14              Peter Beckett was interviewed by Dominique Arnoldi of Radio-Canada's L'Heure du monde regarding the success of Sudbury's Regreening Program. The interview is expected to air in 2021.



## VETAC Members 2020

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### Chair

Dr. Peter Beckett, Laurentian  
University

### Co-Vice Chairs

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Sarah Woods, Conservation  
Sudbury

### Members

Nathan Basiliko  
Laurentian University

Katherine Benkovich  
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Accessible version available upon request.