



MAGNETAWAN FIRST NATION
DEPARTMENT OF LANDS, RESOURCES &
ENVIRONMENT
2021 NEWSLETTER

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LETTER FROM LANDS MANAGER

This has been a busy, fun-filled year! The Lands Team has been working hard in many areas of conservation, data collection and land management initiatives- as you will read about in our Newsletter. The COVID-19 pandemic has created a new working environment for us and now we practice covid-19 protocols, such as masking and social distancing, every day at work to keep our community members safe.

A new task of the Lands Department has been initiating an Environmental Assessment at the Quarry. The Environmental Assessment helps our Lands Team to develop policies and protocols as well as determine effective mitigations for the Quarry.

As Lands Manager I am so proud of what our team has accomplished this year. We overcame changes to our department such as staff changes, a new office and new responsibilities- the Lands Team has persevered through it all and continue to excel.

Gchimiigwech, Samantha Noganosh

A YEAR IN REVIEW

Our department was very lucky to be able to continue work in person this summer, as we practiced social distancing and masking to ensure the safety of our staff and community.

In April, we hosted our Annual Indigenous Lands & Resources Management Conference online in partnership with the Georgian Bay Biosphere as

part of the joint Canadian Nominated Priority Places project, Maamwi Anjiakiziwin. With close to 200 participants, this online webinar series was a great success featuring the incredible work being done in our area and across Ontario on the Land. The recordings from each day can be found on our Youtube channel!

<https://www.youtube.com/channel/UCeZlLygGPcWsSWQXTgaWAEg>

In early May we welcomed two of our summer interns (Brooke Carroll & Hope Hill) and hit the ground running with field work. We welcomed community interns to the team throughout the summer (Derian Smith, Allan Lewis-Trodd, Lucas Fraser & Thunder Noganosh-Judge).

Unfortunately, we said goodbye to employee Dale Buisson in July.

Dale is starting a new chapter in his life as he trains to become a corrections officer.



In early June, our headquarters moved from the Band office to our new office at 2 Subdivision Road.

SOCIAL MEDIA

Check us out on our social medias, where we give exclusive insights into our daily field work, workshops, community outreach & education.

•**Facebook:** @MagFnLandsandResources

•**Instagram:** @species_at_risk_on_the_mag

MEET OUR STAFF

Thanks to funds partially provided by the Indigenous Guardians Pilot Program, we were fortunate to support a large team this summer that helped run a successful field season. We would love to introduce you to our team, comprised of some old faces, and some new faces.

SAMANTHA NOGANOSH - *Lands, Resource & Environmental Manager*

samantha.noganosh@magfn.com (705-626-1946)

Sam is an intelligent and friendly person, who is eloquent in her speech and gentle in her actions. Sam has been working at the Lands Department since 2015 and has become our fearless leader that both teaches and guides our department through all endeavours.



Alanna Smolarz, Nadine Perron & Samantha Noganosh

ALANNA SMOLARZ-Species at Risk Biologist

alanna.smolarz@magfn.com (519-755-1155)

Alanna is a passionate and helpful individual, who's background in reptile biology is a real asset to our department. She joined the department in 2019 but has been working in the area for many years. She also has a love for visual arts and shares her skills with our community through workshops.

NADINE PERRON - *Conservation Biologist and Wildlife Specialist*

nadine.perron@magfn.com (519-546-9256)

Nadine is a sympathetic and kind-hearted individual, who brings many skills to the table including animal care and rehabilitation. Her dog and partner in crime Fin joins us many days in the field. She graduated from Guelph University this year (Biological Science and Zoology) and we are so proud.



EMILY MARTIN worked as our cultural coordinator this summer after many years spent working as a field technician. She is a humble individual who is always ready to lend a hand to help others around her. She is passionate about visual arts and is pursuing studies at Nipissing University.

COMMUNITY INTERNS

We feel very lucky at the Lands Department that we get to work alongside community members. This summer, our community internship program helped us to better monitor species at risk, active construction sites, roadways, railways, and our beautiful natural spaces across Magnetawan. Whenever you see members of our team out in the wetlands or on the UTV, feel free to stop to say hello or ask any questions.



ALLEN LEWIS TRODD is a brave and funny individual, who always kept the teams spirits up with his quick-witted humour and enthusiastic greetings in the morning. He was often the first to jump into a new adventure at work, whether it was hiking all day across the river, swimming through a swamp, or helping turtles and snakes cross the road.



DERIAN SMITH is a hardworking and wise individual. He is well versed in many different life skills, but especially in navigation. He assisted us in not only making sure we did not get lost, but in keeping us entertained with conversations about stocks, space travel, bitcoin, and the newest play station games. Derian quickly picked up field skills and never complained about the heat or the rain. We were so grateful to have Derian on our team and hope to work with him in the future.

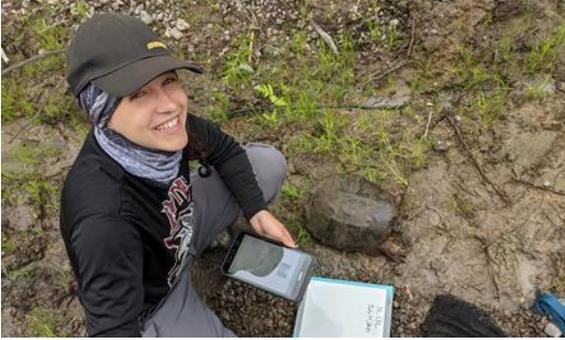


LUCAS FRASER joined our team (for his third year) in August and brought us some much-needed energy and gusto to end our field season. He is a gleeful individual who is glad to trek out into the wetlands, even on hot sunny days. We are happy to have Lucas back at the Lands Department this fall.



THUNDER NOGANOSH-JUDGE is a hard-working and dedicated individual who is the most recent addition to our staff this fall. With a background in contracting, he has already contributed immensely to the team with his handy-man skills. He has also already become an excellent Massasauga spotter even though hearing their rattle makes him jump!

Summer Interns



BROOKE CARROLL is a recent graduate from Laurentian University (Ecology and Indigenous Environmental Studies). She is energetic and hardworking while consistently bringing laughter to our field days. We are fortunate to have Brooke continuing to work with us from a distance this fall but we are excited for future opportunities to have her back in the community!



HOPE HILL is a recent graduate from Guelph University (Wildlife Biology and Conservation) and Fleming College (Fish and Wildlife Technology). She is patient and peaceful and brought a sense of calm to our team throughout the chaos that is field work. We “Hope” to see her again soon!

Community Involvement

You, yes you! Our work would not be possible without the support and encouragement of the amazing community of Magnetawan First Nation. Your smiles, waves, and occasional honks did not go unseen. We are so grateful for all of you. A special shout out to the public works and housing departments who have been informing us of snake and turtle sightings on the regular and keeping us up to date on their projects so that we can ensure they are done in a good way.

As always, we appreciate you reaching out to us with any sightings or concerns you have. Whether it be through social media, texts, or visits to the office, all your input, feedback, and observations are extremely important to us. Having many eyes on the look out is invaluable and we are so appreciative.

Check out the next page for a gallery of some of our favourite memories from this summer! And if you haven't yet, be sure to look us up on Instagram and Facebook for regular photo updates and sharing.

CHI MIIGWECH!!



KEEPING UP WITH THE TURTLES, MISKIIKENH

In Ontario, all our freshwater turtles are species at risk, which makes our turtle monitoring program very important. Every year we monitor turtles on and around Magnetawan First Nation by conducting surveys in their natural habitats.

Supported by the Aboriginal Fund for Species at Risk since 2012/13, our program aims to support the recovery of our turtle species that are at risk by: filling knowledge gaps, identifying critical habitats, reducing road mortality, and informing mitigation particularly along roads.

WETLAND WALKING

Our field team is eager to throw on a pair of hip waders and head into the wetlands because it almost always means time to find some turtles!



When we are in the wetlands, we are typically doing one of three things:

1-Exploratory Surveys

Sometimes the best method to find turtles is to walk throughout areas where we believe turtles will be, and keep our eyes peeled for any signs of them.

2-Hoop Netting

We use sardines, a favourite turtle treat, to attract turtles to our hoop nets. We check these nets regularly for any turtles to ensure they are not trapped for too long.



3-Tracking Turtles

For some turtles that are of particular interest, we can place a temporary radio-transmitter on their shell. Once they have a transmitter attached, we can use a receiver and antenna to determine where they are.

Using this method, called radiotelemetry, to track turtles gives us useful information about turtle dispersal and movement patterns, which is crucial to understanding their ecology and for creating management strategies

PROCESSING TURTLES

Once we have found a turtle, we measure, weigh, and photograph that individual to contribute to our population dataset.

We then give it a small and unique set of notches on its outer shell. These harmless markings will help us to identify the turtle if we catch it again. This year, we actually caught turtles that were originally found and notched in 2012!

MASSASAUGA, ZHIISHIIGWEG, MONITORING

Massasauga Rattlesnakes, Zhiishiigweg, are threatened in Ontario. However, we are fortunate to have one of the healthiest remaining populations located along Eastern Georgian Bay. Our Massasauga monitoring program on Magnetawan First Nation hopes to better understand how these populations are doing.

HIBERNATION SITE SURVEYS

Massasaugas hibernate in mossy wetlands, called peatlands, that provide them with adequate protection from the cold. In early spring, we head out to these special wetlands to find the snakes emerging to catch those warm, spring sunny rays.



GESTATION SITE SURVEYS

In June/July, pregnant female Massasaugas will head to their gestation sites, which is where they will spend the rest of the summer and eventually give birth. Females are very particular about where they chose to gestate and will often return year after year to the same spot. We like to monitor these females, their health, and eventually their young.

PROCESSING SNAKES

When we find a Massasauga, we use snake hooks and tongs to properly handle them. We safely measure, weigh, and photograph all snakes which gives us basic information about their health. Did you know that each Massasauga has a unique blotch pattern, similar to a fingerprint?

From there, we place the snake into a tube where we can safely work with and monitor them. We measure and tag them with a small PIT tag (passive integrated transponder- similar to the microchip your pets get at the vet). This PIT tag allows us to identify the snake if it is caught again.



INCUBATION STATION

Our incubation program begins every year in early June when turtles begin laying eggs. We then monitor nesting activities daily along roadways and in construction zones where the nests are the most at risk of being damaged. We either collect the eggs or place nest cages over nests (under the correct provincial, Endangered Species Act, and federal, Species at Risk Act, permits).

The collected eggs are then placed into incubators and cared for until they begin to hatch in August. Once the hatchling turtles are ready to go, we bring them back to the wetlands that they have come from and wish them a good life.

We were fortunate enough to have Christine King lead a ceremony with community members to send the hatchlings off in a good way. Miigwech Christine!



This year, our nesting and incubation program was the most successful it's ever been with just over 1000 eggs incubated and cared for. We are proud to say that this year we collected the most Blanding's Turtle eggs since our incubation program started, which is a threatened species at risk here in Ontario.

HATCHLING RELEASES

We were very lucky to be able to share hatchling releases, a very exciting part of our incubation program, with community members and nearby partners this year. We had over 10 successful turtle release events, and got to share our love of turtles with many including;

Magnetawan First Nation community members, Byng inlet community members, members of the Anishinabek Police, members of the Lands Department from Wahnapiatae First Nation (including our previous lands manager Anthony LaForge), employees and partners at CP rails and GHD consulting, and our very own Lands Department family.



ROAD SURVEYS

The roadways that pass through Magnetawan First Nation are often used by our wildlife species as a corridor or a crossing point. Unfortunately, when wildlife use the roadways, they are unsafe and can be struck by moving vehicles.



In order to keep track of road use by wildlife and road mortality along our roadways, our team conducts road ecology surveys. Every day from mid march until November, we drive the length of all highways within Magnetawan First Nation boundaries in order to locate any wildlife. Every GPS location where an animal is found is noted and kept in our records to help us create a map of where mortality hotspots exist on roads

This data is extremely important because it can inform us of where wildlife is most at risk of getting hit, and where they are more actively crossing the roads which is an indication of a potential corridor. When we do find animals that are alive, we help them to cross the road safely. If they are injured, we administer basic first-response care and arrange to take them to the nearest rehabilitation center.

We hope that by having a better understanding of wildlife mortality on roads that it will help us to negotiate proper

mitigation measures when roadways require maintenance or when new roads are built.

We want to say chi-miigwech to all individuals who called in any turtle, snake, or other wildlife that they saw on the roads. Without your help, those animals may not have made it safely across the road.



Debbie called us about a Blanding's Turtle crossing the road and stayed with the turtle until we could get there. She fittingly named it Mrs. Jones. Miigwech Debbie!



Kyah and Ayla Wheatly saved this Painted Turtle off the road! Excellent work Turtle Warriors!

PROTECTING BUTTERFLY HABITATS

THE ISSUE

The monarch butterfly has been listed as a species at risk under COSEWIC (Committee on the status of endangered wildlife in Canada) since 1997. Monarch butterflies lay their eggs onto Milkweed plants, which the caterpillars then rely on as their only source of food. So, milkweed plants are critical for monarch butterflies to survive.

Unfortunately, some species of milkweed grow on roadsides, where they will be trimmed, and the food and habitats of the monarchs will be destroyed. Additionally, any application of pesticides or herbicides near milkweed will kill monarchs.



WHAT WE DID TO HELP

This year, along highway 529, the Lands Department put up stakes with flagging tape and labels describing that they were protecting butterfly habitat. These simple but effective measures allowed us to protect large stretches of milkweed, which would have otherwise been destroyed by roadside groomers.

We also continued to maintain the butterfly gardens beside the health center by weeding invasive plants and clearing some of the old foliage. This butterfly garden is supported by the Georgian Bay Biosphere native plant sale which we purchase from each year to encourage the growth of pollinator plants like milkweed across MFN.

WHAT YOU CAN DO

If you want to take part in our efforts to protect monarchs, you can do a few things:

- 1-protect milkweed plants and wildflowers on and around your property
- 2-Avoid using all pesticides and herbicides near these plants



COMMUNITY GARDEN

This year, we continued to care for and to grow the community gardens that are located between the health center and the early years center. There you will find vegetable and pollinator plant gardens.

We planted the vegetable gardens in hopes to create a safe place to come collect produce or water plants when community members have extra time. This garden was very fruitful this year, and we shared many cucumbers, sugar snap peas, and tomatoes with anyone we could.



The pollinator plant garden was planted in 2018 and has been maintained each year in order to create habitat, food sources, and encourage biodiversity for our local environment. It is our hope that these gardens will benefit our community and its wildlife (including butterflies) while being sustainable and environmentally friendly.

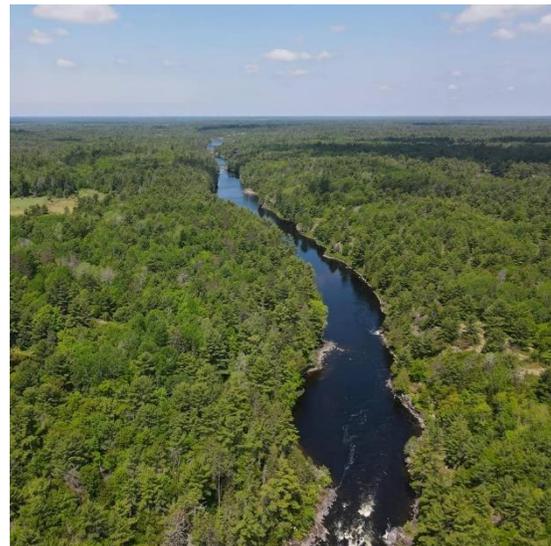


WATER QUALITY MONITORING

We are very fortunate to have been working with Shared Value Solutions on a River Monitoring project which ramped up this year. The Magnetawan River is the life blood of our community and we at the Lands Department are doing our part to monitor its changes.

Through this project, we have started to learn how to monitor aspects of the river.

We learned how to take water quality and water quantity measurements which will allow us to provide better and more accurate in-house river monitoring results!



SPAY & NEUTER CLINIC

This year, with the help of the North Bay and District Humane Society, we ran our second spay and neuter clinic at Magnetawan First Nation.

We spayed & neutered **14 cats** over the past 10 months. Way to go!

WHY SPAY/NEUTER IS IMPORTANT

Spaying or Neutering has several benefits, not only for your community but also for your pets well being:

Health benefits:

-Spayed/Neutered pets tend to **live longer**, healthier lives than intact animals (+1-3 years for dogs, +3-5 years for cats).

-Spaying/Neutering **eliminates** the **risk** of reproductive cancers (ovarian or prostate), uterine infections, and TVTs, and reduces risks of mammary cancer.

-Spayed/Neutered pets have less urges to roam (and therefore are **less likely to get lost**, injured, or fight with other animals).

Community benefits:

-Spaying & Neutering is critical to addressing cat and dog populations that exceed the capacity of the local community to care for (by slowing population growth).

-In areas that don't practice spaying and neutering, homeless animals are often neglected, euthanized, or die of disease.

Spaying and neutering reduces the problem of homeless and abandoned animals, while decreasing euthanasia rates.

WHY KEEPING CATS INSIDE IS IMPORTANT

Outdoor cats are **exposed to diseases** (feline leukemia, feline AIDS, FIP, feline distemper, & upper respiratory infections) when they come in contact with other cats.

Outdoor cats can pick up **parasites** such as fleas, ticks, ringworm, intestinal worms and ear mites.

Outdoor pets are at **risk of injury** by vehicles or other animals, and of ingesting toxins or poisons.

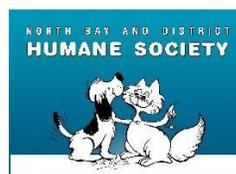
Outdoor pets can be harmful to our natural ecosystem by killing birds, small mammals and other wildlife.

REFERENCES

The Humane Society of the United States. 2021. Why you should spay/neuter your pet. Accessed on September 15th, 2021, at: <https://www.humanesociety.org/resources/why-you-should-spayneuter-your-pet>

Humane Society International Canada. 2021. Why spay/neuter is important. Accessed on September 15th, 2021, at: https://www.hsi.org/news-media/why_spayneuter_important/

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CLIMATE CHANGE IN MAGNETAWAN

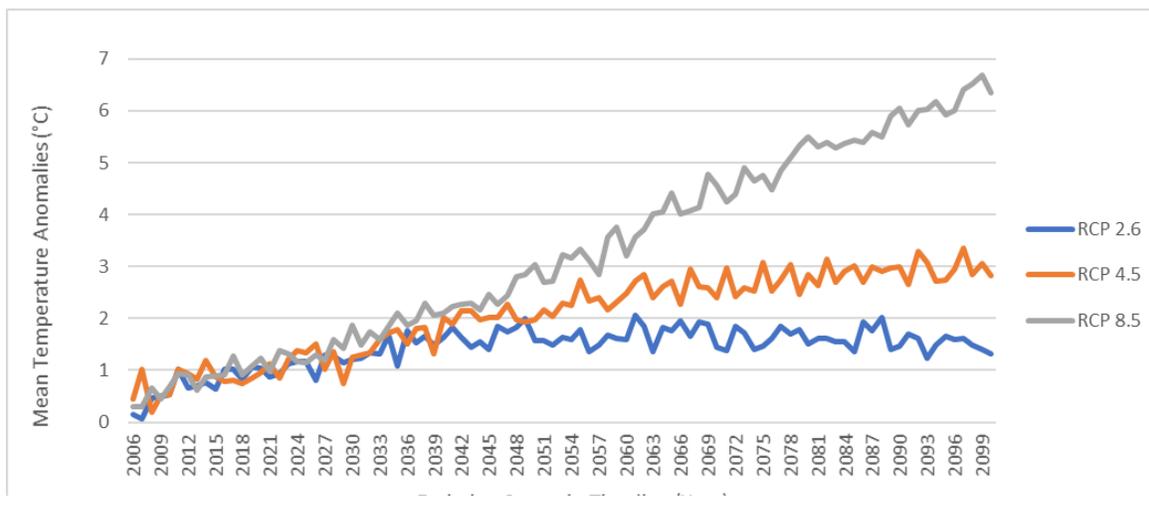


Figure 3: Mean temperature anomalies for emission scenarios RCP 2.6, 4.5, 8.5 between the years 2006-2099 at Magnetawan First Nation

This graph estimates future average temperature anomalies for each year for 3 different RCP scenario for Magnetawan First Nation area.

WHAT IS RCP?

The IPCC (International panel on climate change) has created different possible greenhouse gas concentration trajectories that can be used for climate modeling, these are called RCPs (Representative Concentration Pathways).

RCPs describe different possible climate futures, all of which are possible depending on how much greenhouse gases are emitted in the time to come. The RCPs describe these possible futures in different radiative forcing values; radiative forcing being the difference between incoming and outgoing radiation, measured in W/m^2 . So, higher RCPs indicate higher greenhouse gas accumulations (and more climate change) than lower RCPs.

The **blue line** is a **low emission** scenario: average temperatures rise, but around 2040 things get more consistent with annual variation. The average temperature anomalies stay around 2°C.

The **orange line** is a **medium emission** scenario: anomalies increase with a similar slope to the low emission scenario but continue to increase until 2080. Then levels off with average temperature anomalies of 3°C.

The **grey line** is a **high emission** scenario: much steeper slope than low emission scenario. Continual rising average temperature anomalies to over 6.5°C.

Anomalies show us how much temperatures have changed from current averages, which allows us to see the direct impact that raised emissions have on average temperature.

REDUCING YOUR CARBON FOOTPRINT

CLIMATE CHANGE

Climate change is caused by the accumulation of Greenhouse gases (created by human activities such as driving) in the atmosphere. These gases create a greenhouse effect, trapping heat on our planet.

This warming of the planet has brought about more severe and frequent storms, heat waves, droughts, species extinctions, & ocean rise. Climate change puts our natural world and human life at risk.

HOW YOU CAN MAKE A CHANGE

Household consumption contributes up to 72% of global greenhouse gas emissions. If we can make small changes in our lives to reduce our emissions, then we are a part of the solution.

FOOD CHANGES

- Grow your own food (or come get some at our community garden)
- Buy local & organic foods whenever possible
- Limit food waste & Compost food scraps

LIFESTYLE CHANGES

- Bike, Walk or Carpool with friends & family
- Vote for governments that are making the climate crisis a priority
- Talk to your friends and family about climate change
- Shop at second-hand stores (go thrifting!)

ENERGY USE CHANGES (SAVE MONEY)

- Wash your clothes in cold water & dry them outside
- Close your blinds and curtains during hot summer days to avoid having to blast your AC unit
- Unplug your electronics when you are not using them

ENERGY AFFORDABILITY PROGRAM:

This **FREE** program can help you to lower your monthly electricity cost and increase your home comfort.

If you are income-eligible, you may receive a **free home energy needs assessment**. You may then receive several **free upgrades** to your home (efficient appliances, insulation, draft-proofing) or qualify for a **free energy saving kits**.

To sign up and find out if you are eligible:

Call: 1-855-591-0877

Email: eap@saveonenergy.ca

Read more about this program at:

<https://saveonenergy.ca/en/For-Your-Home/Energy-Affordability-Program>

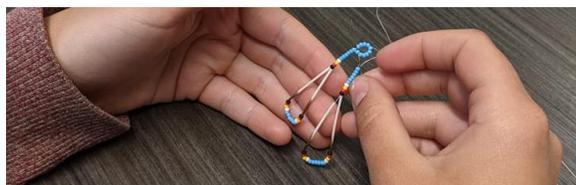
CULTURAL WORKSHOPS AND EVENTS

We love getting to connect with community members and with Anishinaabe culture through workshops and events. This year, with proper social distancing, masks, and COVID safe protocols in place, we were lucky enough to have many events here at Magnetawan First Nation.

If you missed out on the beading, fish tanning, or dream catcher workshops, come by the Lands office for an instruction kit to have your own fun at home!

BEADING WORKSHOP

At this workshop we learned how to make porcupine quill earrings with the help of Emily Martin and community member Kimberly Charles. (17th June)



FISH TANNING WORKSHOP

At this workshop, Emily Martin showcased how to tan your very own fish skins! One of the main lessons she learned: the trick to tanning fish skin; patience and tea. (15th July)



LEARNING WITH OSHKINIGIG

Georgian Bay Anishinaabek Youth came to Magnetawan in July with Oshkinigig, the birch bark canoe (Wiigwaas Jiimaan) that they made in 2019 with the support of Georgian Bay Biosphere. We learned about how Oshkinigig was made, how materials were harvested, and even got to paddle around on the river! (July 23rd)



CEREMONIES & ROCK PAINTING

With the help of Christine King, we held a water ceremony to honour our baby Miskiikenh (turtles), shares some strawberries, and smudged our turtles to send them home in a good way.

We then painted some rocks that came all the way from Wikwemikong FN, thanks to Theodore Flamande, which led to a fun and creative afternoon. (August 12th)



DREAM CATCHER WORKSHOP

At this workshop, members learned how to make dream catchers (August 17th)

BEACH CLEAN-UP AND BBQ

On August 25, the Toronto Zoo made the trip up from the city to help us host a beach clean up with our community. We collected just over 100 pounds of garbage! Way to go! Afterwards, we celebrated with a community barbeque led by the one and only Frank Noganosh!



PRINT MAKING WORKSHOP

At this workshop Autumn Smith helped teach children and adults alike how to make a print and use it, with the support of the Toronto Zoo. (August 26th)

TRAVELING BIOLOGIST EDUCATIONAL TRIP

Our species at risk biologists had the privilege to visit Wikwemikong unceded territory and Wahnapiatae First Nation to learn from one another, and to teach one another about Gnebig (snakes) and Miskiikenh (turtles) (July 26th/27th).

Chi-Miigwech to our generous hosts who made us feel at home, particularly Theodore Flamande and the lands crew at Wikwemikong unceded territory, and our previous Lands Manager, Anthony LaForge who now works at Wahnapiatae First Nation!



PARTNERSHIP PROJECTS

IMPACTS OF RAILWAYS ON WILDLIFE

Kyle Vincent- *Laurentian University & University of Guelph*



Railways are a known cause of wildlife mortality; however the ecological impacts of railways are not well known. This project got its start with the help of community members that shared their knowledge about railway impacts. Using a two-eyed seeing approach Kyle hopes to investigate wildlife interactions with railways.



Every week, Kyle and our field team walk the rails on Magnetawan First Nation and records a location for any wildlife found. We coordinate safety measures with a CP flagger who joins us each week. Kyle also uses motion-triggered cameras to take pictures of wildlife that walk along the

railways, to see which species are using it most to get across the landscape.

Kyle has found that a wide variety of wildlife use the railway and die as a result of collisions, including many species-at-risk, and that reptiles and amphibians are the most impacted. Documenting the location where animals are found dead will be used to identify “mortality hotspots”. Kyle will use this information to figure out what factors put wildlife at risk, and what measures we can take to reduce these impacts.

KNOWLEDGE SHARING PROJECT

In coordination with the WISE lab-University of Guelph

A workshop help a Magnetawan First Nation (titled “Connecting Guardians in a Changing World”) brought together elders, youth, researchers & Indigenous environmental professionals.

At the workshop, the main points of discussion were climate change, aerial herbicide spraying, and weaving Indigenous and Western knowledge systems in environmental work.

From these discussions and the clear interest in learning from one another, a Canada-wide-knowledge-sharing-project has been set into motion. This project has hopes to document how knowledge is woven by indigenous communities and scientific literature.

MOOSE & MAMMAL ECOLOGY

Claire Kemp and Kathryn Yarchuk-
University of Guelph WISE Lab

This summer, members of the WISE Lab at the University of Guelph, Claire and Kate, spent some time in Magnetawan setting up wildlife cameras with the Lands Department.



Claire will be looking at how wildlife in the community interacts with the roads and railway.



Kate will be exploring how moose use the landscape. 87% of interviewed Magnetawan First Nation community members have expressed concern about moose population declines.

The objectives of their research is to highlight the importance of wildlife on Magnetawan First Nation, and to optimize community-based monitoring.

Next year they are hoping to get some community members involved, with opportunities to help with wildlife cameras and land-based monitoring. They will also be conducting interviews to better understand community values and priorities when it comes to wildlife, monitoring, and moose, which will help them work with the Lands Department to design community-based wildlife monitoring that is specific to the needs and values of Mag. Stay tuned to see all of the fun wildlife photos!

WOLF STUDY

Shilah LeFeuvre-*University of Guelph*

Wolves in Ontario are a species-at-risk (threatened).



Shilah has partnered up with Magnetawan First Nation, Shawanaga First Nation, and Wiikwemikoong Unceded Territory in order to research wolves in our area.

Her research will use both genetics and indigenous knowledge to study the distribution and the behaviour of wolves. This is important research that will not only inform conservation of wolves, but traditional land use practices.

ROAD AND RAIL ECOLOGY

Chrystyn Jones-*University of Guelph*



Chrystyn's undergraduate project will look at the difference between roads and railways in their contributions to wildlife mortality.

IN THE MEDIA

THE LAND DECOLONIZED-EPISODE 29

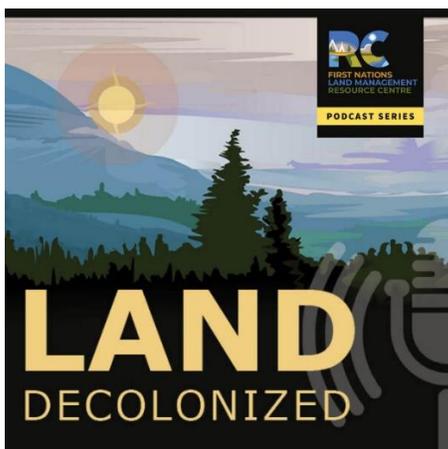


June 30th 2021: Our very own Samantha Noganosh (Lands Manager) is interviewed on “The Land Decolonized” Podcast.

In this podcast, Samantha discusses her role as lands manager and (former) deputy chief at Magnetawan First Nation. She delves in to topics including land code and land law, our species at risk program, how we play a part in mitigating road mortality, turtle conservation, community decision making, and finally; how a broken land law started our turtle incubation program!

Take a listen using this link:

<https://www.buzzsprout.com/1515202/8762359>



BESIDE MAGAZINE- NEW HARMONIES: A SNAKES WORTH

Article by Laurence Butet-Roch

This article discusses snake conservation and difficulties that come with the persecution of Massasauga Rattlesnakes. It goes further to suggest that education is a useful tool in dispelling myths about these snakes.



The article features our very own Richard Noganosh discussing that everything, including snakes, is here for a reason. Alanna Smolarz (Species at Risk Biologist) and Hope Hill are also featured working with Rattlesnakes within our own community.

The article delves in to why the highway 69 expansion could be devastating for Massasauga Rattlesnake populations, who have high habitat loyalty and are hard to relocate.

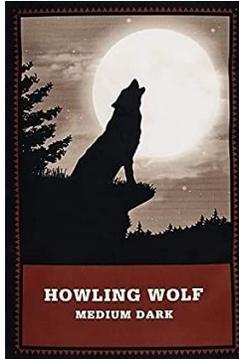
To read this article, follow this link:

<https://beside.media/dossier/new-harmonies/#a-snakes-worth>

HOWLING-CALL OF THE WILD

a film by Muskoka Roastery Coffee Company

This film discusses people co-existing with wolves, and challenges we face around their protection and conservation.



It features Richard Noganosh discussing some of his experiences with wolves. It also features Shilah LeFeuvre discussing her connection with wolves and a little bit about the research she hopes to do in partnership with

us (see our partnership projects to learn more about her work).

To watch the film:

<https://www.youtube.com/watch?v=FeGJw5FvMaA&t=3s>



VISUALIZING SCIENCE-PHOTO CONTEST

Our very own baby Blandings Turtle is featured in a picture contest called "Visualizing Science" by the Canadian Science Publishing. This photo was taken by Alisha Postma (@divebuddies4life on Instagram), our very own Nadine Perron's sister).



National Day for Truth and Reconciliation



Newsletter Feature: Department of Lands and Resources at Science North September 30, 2021

On September 30, 2021 members of our department attended the National Day for Truth and Reconciliation event at Science North. We were asked to present some of the amazing work our staff does on a daily basis and who better to represent our community and our department than some of our summer staff! Allen Lewis-Trodd and Darien Smith did an incredible job showcasing our reptile work throughout the day! Chi-miigwech to these two for representing our department so well AND to all the community members who came out to support them! It was an honour spending the day recognizing the importance of supporting the youth in our community on a day that we acknowledge the need for truth and reconciliation.



