

Dr. Dawn Martin-Hill is the recipient of the 2022 University of Oklahoma (OU) International Water Prize for her contributions to understanding how water quality and security are linked to Indigenous community culture, livelihood and health. More information about the prize can be found at: https://tinyurl.com/4hy2csre

Ohneganos project is the **2021 winner of Princeton University Book Development Grant** for proposed book titled "Ohneganos: Co-Creating Holistic Knowledge of Water, Environment, and Indigenous Health.



Ohneganos: Let's Talk Water, hosted by Makasa Looking Horse, was named Winner of **David Suzuki Foundation People's Choice Award 2021**. To watch episodes: https://tinyurl.com/ycxsz8e5

# Do you have stories about the land / water / harvesting / homesteads / history / etc. you would like to share?



ock Hill describing the Tutela Nation

We are asking for community members to share stories with the Ohneganos mapping team. We are aiming to build a map with Six Nations community member perspectives, knowledge and history. All stories, pictures, videos and audio will be credited to the source.



Written, Audio Recordings, Video Recordings

Family Stories



Ohneganos Ohnegahdę:gyo



Ohneganos Ohnegahdę:gyo



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#### Mapping

Ohneganos has built a partnership with Digital Democracy to develop an Indigenous map of the Haldimand Tract. Mapping lead Chris Martin organized and led Haldimand Tract Workshop/Symposium, and Indigenous Mapping Workshop 2021 - in partnership with Terrastories with Rudo Kemper from Digital Democracy. The Ohneganos Mapping Project is currently gathering resources to depict the history, ecology, archaeology and cultural knowledge of the Haldimand Tract area from Indigenous perspectives. The Oheneganos Mapping Project will also be conducting community interviews to gain a better understanding of Haudenosaunee lived experiences within the Haldimand Tract.

Terrastories mapping has the ability to embed multiple pieces of information in place. It will display images and recordings of cultural knowledge including Haudenosaunee language, medicine, and community knowledge holders sharing oral histories. Historical maps of the Haldimand tract will also be included.

Adding archaeological data to the Terrastories map is important in a number of ways: first and foremost, putting Haudenosaunee heritage back into the hands of the community is crucial and an important step for decolonizing archaeology. Second, archaeological data affirms the presence of the Haudenosaunee people on their land. Third, the rich archaeological history of the Grand River tract confirms the eco-centric lifeways of the Haudenosaunee people and highlights the ways in which the community has practiced ecology, science and sustainability throughout history. This supports the unique position the Haudenosaunee and other Indigenous peoples are in to combat climate change and share Indigenous science with the world.



#### Water Testing

Installing our first two water quality sensor modules in the McKenzie creek for preliminary testing in collaboration with Six Nations + Using machine learning for prediction of river chloride - Prof. de Lannoy, Clynt King, Rod Whitlow, and Erik Frechette

Completed water collection on the reserve from wells and cisterns - Prof. de Lannoy, Mike Montour, Denise McQueen, Hannah Grewal, and Frik Frechette

Initiated peatmoss wastewater system assessment on reserve - Prof. de Lannoy, Mike Montour, Steve Lickers, Steve Lickers Jr., Colin Gibson, Sheel Ayachi

Initiated treated water testing from wastewater lagoon on Six Nations - Prof. de Lannoy, Mike Montour, Steve Lickers, Steve Lickers Jr., Colin Gibson, Sheel Ayachi

Simulated future McKenzie Creek sub-watershed streamflow and hydrological processes under Representative Concentrations Pathways (RCP) 4.5 and 8.5 waring conditions



#### **Education Advancement**

Dr. Charles de Lannoy led a two-day event for FN and settler youth from SNP STEAM academy in collaboration with Chris Martin, Julius Pasca-Hossu, Prof. Karen Kidd and Prof. Mark Servos. Day 1 was a field day at Six Nations (see story in link below). Day 2 was a lab day at STEAM Academy where we analyzed the samples collected from the river on Day 1.

https://tinyurl.com/mw2mw6bz

Ohneganos has collaborated with schools at Six Nations and Brantford to promote Indigenous research. Students have been awarded certificates of completion, with support from partners at McMaster University Continuing Education, for their work in environmental studies, mapping and digital stories. The research blends Indigenous cultural knowledge/ science with western sciences.

Grade 9/10 framework with Kawenni:io (Six Nations) Private School completed for a bilingual textbook building on existing Haudenosaunee sciences and ecological sciences with Indigenous stories, interactive maps and other educational resources with apps and governance materials

#### Governance

SN on Nestle/Blue Triton groundwater extraction Youth lead secured cease and desist from Haudenosaunee Confederacy

Developed a Canadian Water Agency Indigenous governance SN response

Developed a network of scientist, university senior administration working group with elected Council to advance Indigenous management of waters



#### Six Nations "Iroquois" Confederacy GRAND RIVER COUNTRY

September 24, 2021

Ohsweken, Ontario

CEASE AND DESIST STATEMENT from Haudenosaunee Confederacy to Blue Triton, Well Site, 101 Brock Road South, Aberfoyle

Water is sacred to all of creation. Water is sacred to our future generations. Water is Life.

We support the actions of our young people who took action and continue to take action on our collective responsibilities to protect the water. We are aware that your company is illegally taking 3.6 Million litres of water a day from beneath our feet. The majority (91 percent) of our people at 5ix Nations do not have access to clean drinking water.

Pursuant to the Haldimand Proclamation and the 1701 Nanfan Treaty, your company sits on our traditional territory upon which you are carrying out your illegal activity in removing aquafir waters from under our territory. We hold ancestral title to these lands, territories and waters. We wish to reiterate our clear objection to your continued activity.

You may have the permission of the settler colonial government to carry out this activity – but these are Haudenosaunee territories that you are operating on, and as the holders of ancestral title over this territory, we declare your activities to remove aquafir waters under our territories unpermitted and demand that you cease your activity immediately.

Nestle, this message is for you. We, the Haudenosaunee Confederacy, will continue to assert our rights as the Indigenous Peoples of this territory. We will continue to assert our rights as those who have lived on these our territories for countless generations. We will continue to rise up for the rights of our people, for the rights of the life within our lands, territories and waters, and the coming faces of our future generations.

In Peace and Friendship,

Hohahes, Leroy Hill, Council Secretary

2634 Sixth Line, Ohsweken, ON NOA 1M0
Email: 1749resource@gmail.com Phone: 905.765.1749



#### Indigenous Knowledge Exchange

From June 2-5, water protectors, knowledge holders, and Ohneganos team members hosted a knowledge exchange focused on river restoration and dam removal. Six individuals associated with the restoration of the Ottaway/Boardman River in Northwest Lower Michigan traveled to Six Nations to share their experiences and learn about water stewardship and protection efforts within the Haldimand Tract. Visitors included youth, core staff, and leadership from the Grand Traverse Band of Ottawa Chippewa Indians (GTB) Natural Resource Department; a former GTB council member and media production specialist; and a public official from Traverse City, all of whom have played important roles in removing three dams from the Ottaway.

The event created connections that both groups can draw upon for help and inspiration into the future as we work to heal our rivers together. GTB plans to host their new friends from Six Nations in the near future to continue sharing knowledge and building the network needed for the complex work of dam removal.

#### Wildlife

With the goal of censusing the fish species present throughout the Mckenzie creek subwatershed later this year, the fish species previously identified in the 1989 census of the Six Nations were reviewed to ensure that they could be identified using conventional methods survey and environmental DNA (eDNA). While conventional survey methods involve handling fish to determine their species, eDNA is an emerging survey method that can detect the trace DNA left behind by fish in water, allowing fish species to be non-invasively monitored through stream water samples. Preliminary samples have been collected from Mckenzie Creek for pilot analysis to validate this eDNA method for local fish communities. A boat tour of the mouth of the Grand River was given to a group of community members and knowledge exchange visitors.

Meetings with hunters at Six Nations to discuss and coordinate turtle and fish sampling for contaminants analyses

Training community youth with turtle trackers and sensors (shared with GWF Co-Creation and Sensor team) Simplification, re-development, and initial deployment of turtle sensors

#### Physical Health

Completion of pilot water use and health survey in 2019; analysis completed in 2020/2021 Dissemination of results with Haudenosaunee Confederacy, Six Nations Health Services, and Six Nations Band Council

Integration of water use survey results with household tap water contamination results for picture of who may be more at risk of contamination of household water

Identified water insecurity prevalence through pilot survey as a feasible metric to assess community demographics and understand who is most at risk/susceptible to water insecurity, and what factors inform this

Birthing Centre co-developed survey for new mothers on water access, 54 completed by midwives and co-publishing 'Impact of Water Insecurity on Mental Health of Young Mothers of Six Nations of the Grand River, Frontiers, Water-Gender-Migration: The Complex Nexus and Interlinkages, submitted

#### Virtual Reality

We are creating a Virtual Reality (VR) experience about Haudenosaunee water teachings and the Skyworld story with a script in Mohawk language. Demos available at: https://tinyurl.com/y4bxty9u https://tinyurl.com/24mc4z4e https://tinyurl.com/3m926s6a

Our Virtual Reality working group includes Indigenous knowledge holders, linguists, a tech and production team, as well as hired Haudenosaunee actors and artists.

#### Mental Health

Established the Ohneganos Six Nations Youth Mental Wellness Advisory and Research Development Committee to inform and guide our work

Created new items to develop a culturallyrelevant survey of youth water anxiety and waterrelated resilience factors

Adapting JoyPop app to integrate water-related elements to bolster resilience, making it the first Indigenous youth-oriented mental health app of its kind

We do have a series of 7 STEAM-based resilience curriculum that are on the ResilienceInYouth YouTube channel, open access for school class use, developed with the Six Nations Youth Mental Wellness Advisory Committee and McMaster University Health Sciences students:

https://tinyurl.com/bdzyp3z4





#### **Knowledge Mobilization**

Principal Investigator, Dr. Dawn Martin-Hill and Youth lead, Makasa Looking Horse have: engaged with local high schools; developed webinar on Indigenous water issues for Waterlution; been invited to present virtually in Sweden, Germany, Mexico, and at the Watershed Convention Global Climate Strike.

The work of Ohneganos has been featured by multiple local, national, and international media organizations.



#### Recent Media Coverage

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Anthropologist on AG's report blaming Ottawa for First Nations lacking clean water by Ginella Massa. Canada's Tonight CBC News. 26 February 2021. https://www.cbc.ca/player/play/1867509827998

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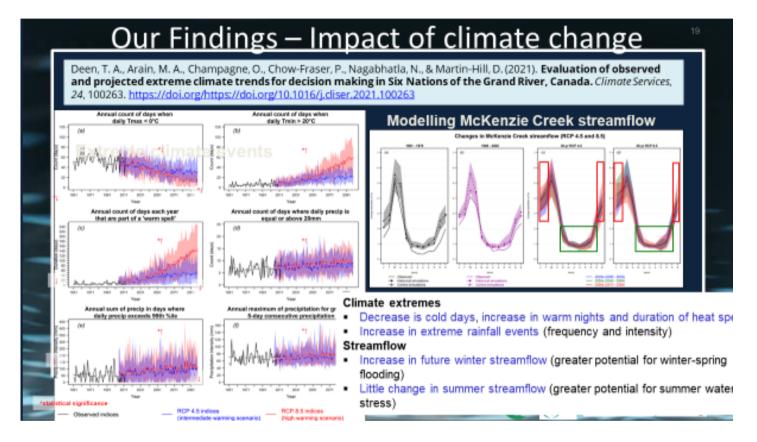
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## Gado:geh Ögwahnig **Gathering Good Minds**

#### Semiah Smith

Singer, Song writer, Artist, Mohawk Turtle clan from Six Nations, Ontario





#### **Keyhew Gopher**

Proud Cree, Motivational Speaker, Life & Wellness coach. Mental Health Advocate



#### **Eryn Wise**

Eryn comes from the Jicarilla Apache Nation and Pueblo of Laguna. They are nonbinary community advocate Centering work they do around body Sovereignty



#### **Victor Lopez**

Victor is a Dakota and Yaqui writer, health advocate, and medical student at Harvard Medical School and Co-Chair of the United Nations Global Indigenous **Youth Caucus** 



#### **Jordan Mowat**

Jordan is a Mississauga Ojibwe Powwow & Round Dance Singer/composer, as well as a singer-songwriter from Alderville First nation, Ontario, Canada



Yung kitto

Santee sioux - Red Lake Anishinaabe Recording artist from Minneapolis, Minnesota

### **The Gathering Place July 27th 2022**

2593 Chiefswood Road Ohsweken, Six Nations 11 am - 9pm

Live Performances, inspiring speakers & Artists for youth and young adults Lunch and Dinner to be served Lunch be served at 12:30pm Dinner will be served 5:30pm

> Hosted by River Rocks and **Ohneganohs Water Project**





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Please Register at Ohneganos@gmail.com to join!