



The Lake Huron Centre for Coastal Conservation

'THE VOICE FOR LAKE HURON'



December

HAPPY HOLIDAYS FROM THE COASTAL CENTRE!

All of us at the Coastal Centre would like to wish you and your family a very happy holiday season and all the best in 2020!

Thank you for everything you have done throughout the year to help us build resilient sustainable coastal communities along the shores of our Great Lake.

Did you know that we are a registered charitable organization, and **97% of our work is funded through donations and grants**? Without you, our conservation programs would not be possible! It's not too late to make your **year-end tax-deductible charitable gift**! Your contribution helps us battle invasive species, remove harmful trash from our beaches, and educate youth about conservation.

You can **make a difference this holiday season** by making a donation to the Coastal Centre! Charitable tax receipts will be provided for all donations. You can make your donation online at www.lakehuron.ca/donate before December 31st to receive your 2019 charitable tax receipt.

DONATE TODAY!



LAKE HURON TRIVIA

Need a conversation starter for one of your upcoming family holiday events? Here are some fun facts about Lake Huron and the Great Lakes to impress Uncle Tony, Cousin Tineasha, and Great-Aunt Esther with!

FUN FACT # 1

Lake Huron has the **longest shoreline** of all the Great Lakes, at 6,164km.

FUN FACT # 2

Lake Huron has over **25,000 islands**, which make up 78% of the islands in the Great Lakes.

FUN FACT # 3

Lake Huron is the second largest of the Great Lakes, and ranks as the **fourth largest** lake in the world by surface area.

FUN FACT # 4

The water in the Great Lakes makes up **20% of the world's freshwater**.

FUN FACT # 5

Lake Huron is the drinking water source for **2.4 million people**.

FUN FACT # 6

Goderich has the **largest underground salt mine in the world**, located 1,800 feet under Lake Huron (as deep as the CN Tower is tall).

FUN FACT # 7

Manitoulin Island is the **largest freshwater island** in the world.

FUN FACT # 8

There is a **160km underwater ridge** from Alpena, Michigan to Amberley, Ontario. 9,000 years ago, lake-levels were lower, exposing the ridge, which currently lies approximately 76-metres under the surface of Lake Huron. The ridge was used by Aboriginal Peoples to intercept migrating caribou herds. Divers have found stone hunting structures along this narrow land bridge.

(NOT SO) FUN FACT # 9

There are over **190 aquatic invasive species** that have been introduced to the Great Lakes basin since 1950.

(NOT SO) FUN FACT # 10

Lake Huron receives over **600 metric tons** of plastic pollution each year – that's the equivalent of about 40 dump trucks full!

FUN FACT # 11

The **lighting of Lake Huron** began when a lighthouse was established at Goderich in 1847.

FUN FACT # 12

Sand beaches only make up **2-3% of the lake's shoreline**.

FUN FACT # 13

Because of a large connecting channel (the Straits of Mackinac) **Lakes Michigan and Huron share identical water level regimes** and long-term behaviour. They can equalize rapidly whenever water level imbalances occur. Hydrologically Lakes Michigan and Huron are considered one big lake, and together they form the **world's largest lake!**

FUN FACT # 14

True tides—changes in water level caused by the gravitational forces of the sun and moon—do occur twice daily on the Great Lakes. Studies indicate that the **Great Lakes spring tide**, the largest tide caused by the combined forces of the sun and moon, is less than five centimeters in height though! Consequently, the Great Lakes are considered to be non-tidal.

FUN FACT # 15

Wind and weather conditions on the Great Lakes may create a seiche, on **oscillating wave which can be several feet high**. In many of the Great Lakes, the time period between the high and low of a seiche may be between 4-7 hours; since this is very similar to the time period of ocean tides, a **seiche is frequently mistaken for a tide**.



Off the beaten path, near the shores of Lake Huron is a glass fusing workshop, Lake Life Studio. Established in 2015 with the intention of creating custom glass pieces and curating a beautiful space featuring various artisans, Justine Goulet founded this business in Camlachie, Ontario. All of their products embody the lake lifestyle, such as beach glass jewelry, small batch soaps, or the perfect hand-thrown cottage mug. Lake Life has also created a beautiful line of lake-themed apparel, generously donating a portion of sales to the Coastal Centre.

Justine says: "I am such a lover and supporter of handmade. 98% of the products I carry in the boutique are made by one person, I know their names and their stories and truly love their products and supporting them. The apparel line has always been something fun and extra, a bonus creativity design outlet for me! 100% of the apparel is designed by me and locally screen printed by our friends in Sarnia. Because it is brought in and it doesn't meet the requirements of our 'handmade store', our partnership with the LHCCC, where 3% of every apparel purchase is donated, is important to me and our customers. So instead of supporting a maker or artist like every other product in our store, we are supporting our lake that we love."



We are fortunate to have such amazing supporters like Justine who care about our Great Lake! For more information about Lake Life you can visit www.lakelifestudio.com.



Ontario
Trillium Foundation



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THE COASTAL ACTION PLAN

The Coastal Action Plan for the southeastern shores of Lake Huron, a 3-year project, is reaching completion this December.

The shoreline between Sarnia and Tobermory Ontario is full of diversity, from the rare ecosystems, to the communities that call it home. Managing this landscape is a challenging, yet rewarding task, as the shores of Lake Huron are valued by so many.

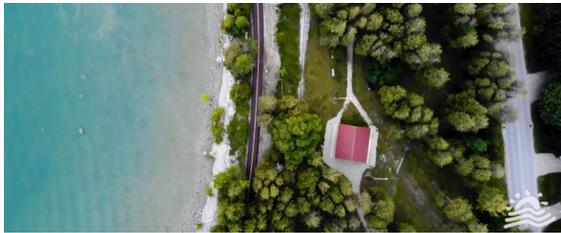
The Coastal Action Plan aims to improve understanding of the threats and stressors affecting coastal environments and provide place-based actions for protection, restoration and enhancement to be implemented collaboratively. The CAP, as implied by its name will recommend actions for the coastal corridor of Lake Huron to ensure that the coastal corridor is a resilient, sustainable landscape, for future generations.

Many findings were made through this plan, including the sheer diversity of threats and stressors the southeastern shore faces. Habitat loss and fragmentation, invasive species, nutrient inputs, plastic pollution, light pollution, shoreline hardening, and climate change are only some of them. The diverse set of ecosystems that lie along this coast include sand beaches and dunes, cobble shores, bluffs, gullies, islands, wetlands, woodlands, alvars, river mouths, and nearshore waters.

This plan has been in the making since 2016, and will be available on our website after December 20th, 2019. The technical, scientific document, along with a 'coffee table book' and a set of fact sheets will all complement the new video series we have also created through this project.

We welcome feedback to these products, which are non-regulatory in nature. We hope that the Coastal Action Plan will guide conservation efforts and direct us towards collaborative action towards coastal resiliency and sustainability.

This project was made possible through the generous contributions and support from donors like you, as well as Ontario Trillium Foundation, Environment and Climate Change Canada, and The Ministry of Environment, Climate Change and Parks.



Video Series, now LIVE!

Our new 8-episode video series is now available (for free!), on our [YouTube](#) and [Facebook](#) pages!

Developing educational videos was requested by YOU, our coastal comrades.

We hope that you love the beautiful footage, and learn a few things about the ecosystems we call home.

This video series was made possible with support from: **Regional Tourism Organization 4**, and **Ontario Trillium Foundation**. Thank you!





HOLIDAY HOURS

Please note that our office will be closed from December 25 - January 1. If you would like to get in touch with us you can send us an [email](#), and we will respond as soon as we can when we re-open in January. We look forward to a busy 2020 working with you to protect Lake Huron!

The Lake Huron Centre for Coastal Conservation supports environmental efforts along the Canadian coastline of Lake Huron. We foster communication and partnerships between environmental agencies and organizations, working towards a sustainable and resilient coast. We provide education, resources, and information on lake-wide issues and our programs reflect the inter-connectivity between land and water.

DONATE TODAY!

Follow our social media for updates about our upcoming events and some interesting quick facts about Lake Huron and its coastal ecosystems!

