



CLIMAFACTS

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Hurricanes and Climate Change

Author: Sarah Norman

Date: 8 Aug 2024

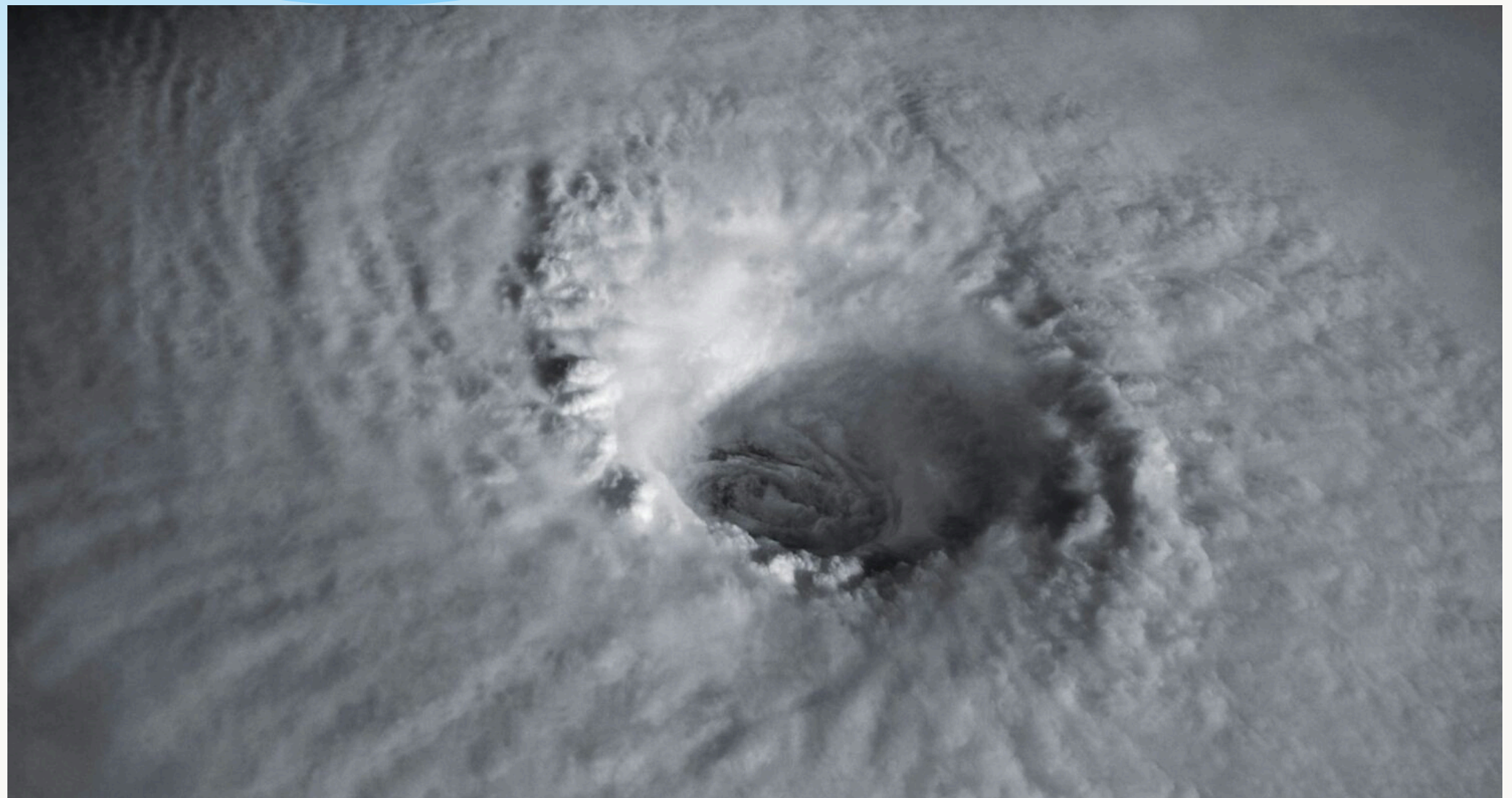
Link to Blog Post:

<https://climafacts.ca/hurricanes-and-climate-change/>

Hurricanes are dangerous, and they're only set to worsen as temperatures increase. They are intense storms that form in the tropics, and can also be called typhoons or cyclones depending on where you are in the world. They bring torrential rain, wind speeds faster than cars on a highway, and consequently huge waves, pounding the shore. According to NASA (as well as NOAA scientists), climate change is making hurricanes stronger.

The article explains this by noting that a hurricane needs many ingredients to form: warm waters, a pre-existing disturbance (or series of storms), the right wind in the right direction, and lots of little water droplets in the air. Climate change will warm the waters and increase water levels, not changing the frequency of the storms but making the ones that occur far more likely to become major storms.

The article notes that since the later part of the 20th century, we have been experiencing an increase in hurricane intensity. The changes we are seeing today are much too significant to be a result of natural changes, but instead are influenced by the changing climate.



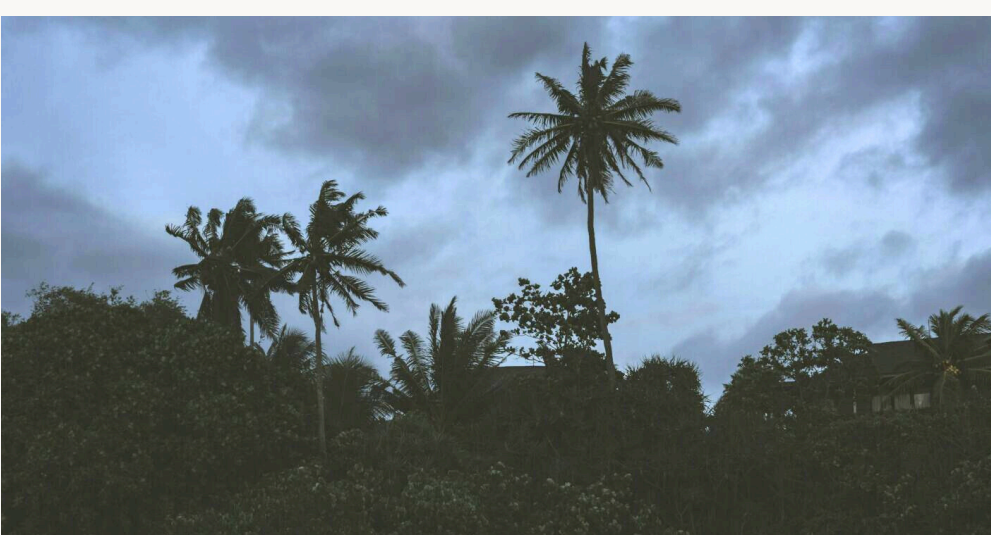
There are many ways to observe hurricanes and their intensity: weather buoys in the ocean and planes that can fly into the center to collect data are two of the methods used. The scientists and developers of some of the newest weather satellites hope that their work will help increase the accuracy of predictions on where and when hurricanes form, intensify and travel.

The significance of this is that hurricanes are dangerous, and intensification means that we need to be prepared when they hit. Flooding due to the large waves is historically the most deadly effect, but debris being carried around by winds can also cause serious damage. Preparation

and awareness is key to having the least harm to property, people, and communities as a whole.

In summary, hurricanes are becoming more intense due to human activities, and being prepared is essential to mitigating damage as it comes. If you are in an area that could be potentially impacted by hurricanes, check out the following resources for hurricane preparedness:

[Red Cross Hurricane Safety](#)
[Government of Canada Hurricane Resources](#)
[NOAA Hurricane Preparedness](#)





Nova Scotia’s Abandoned Mines: Cleanup Plans

Author: Tomas Wang

Date: 25 Jun 2025

Link to Blog Post:

<https://climafacts.ca/nova-scotias-abandoned-mines-cleanup-plans/>

From climate change to the extinction of animals, human activities have caused harm to Mother Nature. As governments, organizations, and individuals get together and take this issue seriously, the situation is improving; with endangered animals preserved, logging and similar activities regulated, pollution limited, and the use of greenhouse gasses discouraged, there is a bright future ahead of us. Unfortunately, the damages done by our predecessors have left marks that are difficult to erase. It will take countless years and endless efforts to undo all of those marks, but we have to start somewhere. Currently in Canada, one of the greatest marks to

be tackled is the abandoned mines of Nova Scotia.

The article Cleanup of historical mines in Nova Scotia to begin next year outlines the problems caused by the abandoned mines of Nova Scotia and the cleanup plans. Mining in Nova Scotia started before Canada was founded, with Indigenous peoples digging up valuable minerals. However, after the Europeans arrived, mining gradually became less eco-friendly, as companies exploited the mines to their fullest. Notably, the mines of gold, coal, gypsum, and limestone left toxic tailings, which was the reason why they were closed as environmental regulations were put into place. However, the accumulated tailings were simply too much for Mother Nature to get rid of. For decades, these toxic tailings have been continuously damaging the environment. Finally, actions are being taken.

To learn more and read the full article, visit our [website Blog Page](#).

Habitat Sustainability for Atlantic Cod

Author: Miranda Jacques

Date: 24 Jun 2025

Link to Blog Post:

<https://climafacts.ca/climate-change-habitat-sustainability-for-atlantic-cod/>

Climate change is significantly impacting marine ecosystems, particularly in colder regions where species, like Atlantic cod, thrive. Understanding these changes is vital as they have profound implications for fisheries, biodiversity, and global food security. This research focuses on the effects of climate change on Atlantic cod habitats, providing critical insights into how warming oceans might alter the distribution and survival of this economically important species. The research aimed to investigate how different climate scenarios (SSP1-2.6, SSP2-4.5, SSP5-8.5) would affect the survival, growth potential, and habitat suitability for Atlantic cod across various life stages by the year 2100.

This topic is crucial because it fills a gap in knowledge about how multiple life stages of cod are affected by climate change, particularly in relation to habitat shifts due to warming oceans and declining oxygen levels. The study builds on previous work by incorporating more detailed spatial models and considering multiple factors, such as oxygen levels and temperature, to assess habitat suitability. The research methods included projecting cod habitat changes using advanced climate models and analyzing how these projections align with existing marine protected areas (MPAs).

To learn more and read the full article, visit our [website Blog Page](#).

KABENROUDE ATTITUDE

Cartoon Series





Cleaning up Sandy Point

Author: Sarah Norman

Date: 21 Aug 2024

Link to Blog Post:

<https://climafacts.ca/cleaning-up-sandy-point/>

Beaches, though often small, are extremely important in nature: seabirds rest there, lots of creatures live there, and they protect the land from the brunt of a storm's waves. As such, it makes sense that we should protect them and keep them clean.

Fortunately, this is exactly what volunteers for Nature Conservancy Canada have done on August the 17th, hosting an annual cleanup of the square kilometer of beach that lies around the Island for the various animals who live there. Notably, the Piping Plover.

To learn more and read the full article, visit our [website Blog Page](#).

Wool Pellets: An Eco-Friendly Fertilizer That Uses Wool Wastes

Author: Tomas Wang

Date: 25 Jun 2025

Link to Blog Post:

<https://climafacts.ca/wool-pellets-an-eco-friendly-fertilizer-that-uses-wool-wastes/>

The evolution of human society has been accompanied by improvements in the production process. Much has improved since the Stone Age, marked by the various revolutions in production, including the Neolithic Revolution, the Industrial Revolution, and the Technological Revolution. However, the production process has not been perfected by any means. Much waste is still produced, some actively posing threats to the environment and others. The imperfect nature of production has contributed majorly to the damage done to the environment in the past centuries. Scientists and engineers have worked relentlessly in the effort of improving the production process and reducing waste. One of the waste-reducing methods that has gained recent attention is wool pellets.

The article Turning wool into pellets could keep fibre from going to waste — and help farmers weather a changing climate introduces the idea of wool pellets, explains what makes them great, and outlines the current wool pellet industry. This only leaves one question: what are wool pellets? In modern society, wool farming still remains a significant industry. Wools are used quite abundantly, being manufactured into everyday products like clothes and blankets. However, not all wools are quality enough to be transformed into fabric. These lower-quality wools, which are seen often in Atlantic Canada, are often put to waste or sold at a very low price. Wool pellets fix this problem.

To learn more and read the full article, visit our [website Blog Page](#).