

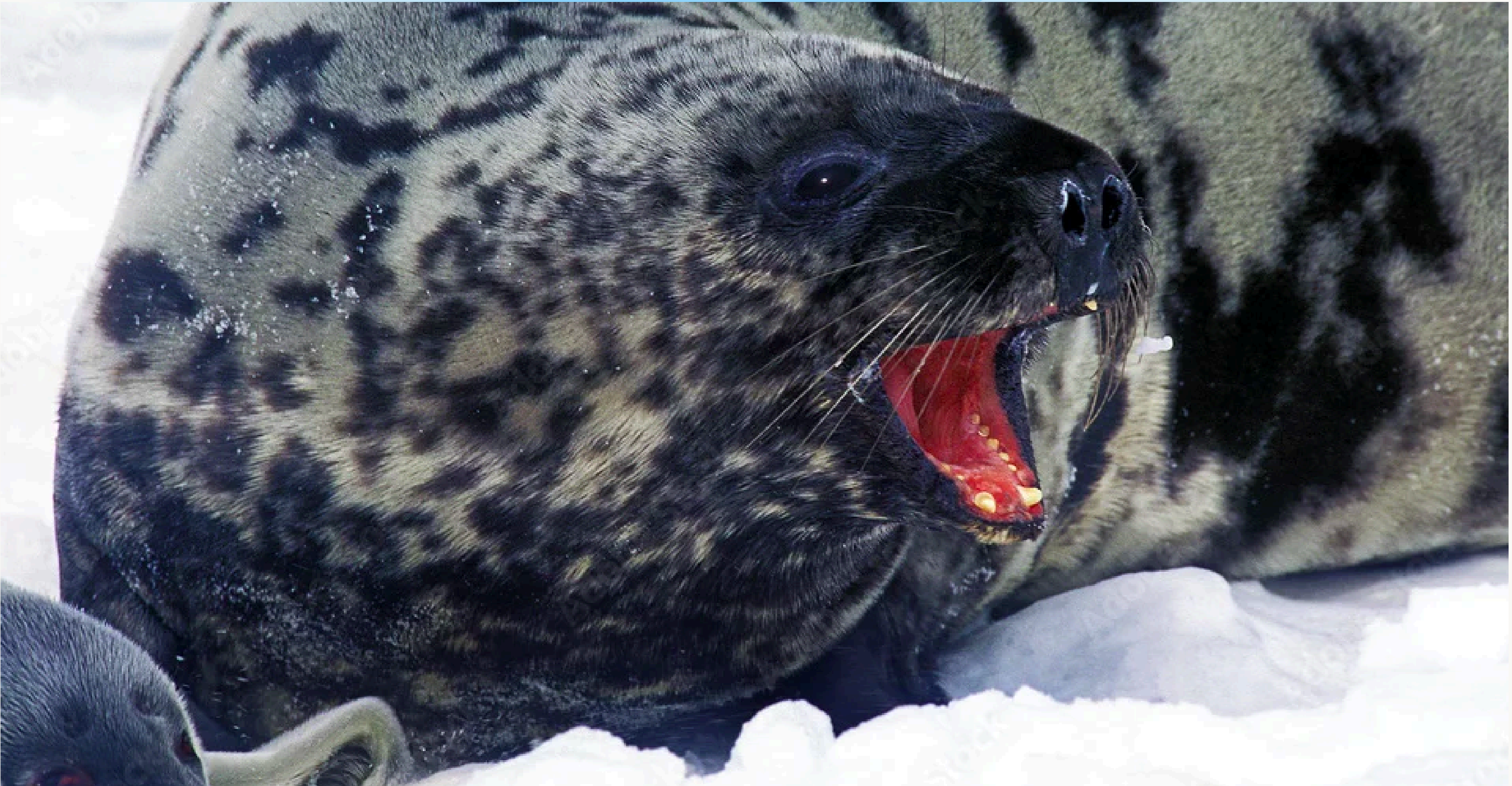


CLIMAFACTS

MONTHLY NEWSLINE

NEWSLINE

APRIL



Adapting to a Changing Arctic: How Atlantic Hooded Seals Respond to Global Warming

Author: Miranda Jacques

Date: 5 Dec 2025

Link to Blog Post:

<https://climafacts.ca/adapting-to-a-changing-arctic-how-atlantic-hooded-seals-respond-to-global-warming/>

The article focuses on the Arctic, a region profoundly affected by global warming, particularly in terms of rising ocean and air temperatures and shrinking sea ice. These changes have significant ecological impacts, especially on marine mammals like hooded seals that rely on ice-associated ecosystems for survival. Research into how these species are

adapting is vital for understanding broader environmental impacts and guiding future conservation efforts.

The research sought to determine how hooded seals in the Northwest Atlantic are adjusting their foraging habits over the past 30 years in response to climate change and predicted future habitat changes. This study is crucial as it fills gaps in understanding long-term ecological shifts for Arctic marine mammals, given the lack of extensive historical data. While the researchers did not explicitly state a hypothesis, they explored whether seals' foraging patterns would change as environmental conditions shifted. Previous studies focused more on short-term behavior; this study extends the analysis by utilizing long-term data.

Researchers tracked 92 hooded seals over three decades (1992–2019) using bio-telemetry, analyzing their movements

during breeding and molting seasons in the Gulf of St. Lawrence and Newfoundland (Front). A Bayesian switching state-space model was used to estimate foraging behavior based on geographic data, distinguishing between foraging and transit activities.

Despite changes in isotopic signatures that hint at possible prey changes, hooded seals continued targeting similar oceanographic conditions over the decades. However, they migrated northwards to find these conditions, particularly the Gulf seals, which preferred colder waters, while Front seals foraged in warmer areas. Future warming is expected to further push foraging regions northward, with Front seals predicted to adapt more resiliently. This study highlights how climate change is altering foraging behaviors and suggests increasing competition and predation risks.

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



Warm Weather in Charlottetown

Author: Mariam Abdul Majeed

Date: 25 Mar2026

Link to Blog Post:

<https://climafacts.ca/warm-weather-in-charlottetown/>

Climate change has led to a noticeable increase in global temperatures, resulting in hotter summers and milder winters. This warming trend is largely driven by human activities, particularly the release of greenhouse gases like carbon dioxide from burning coal, oil, and gas. These emissions trap heat in the atmosphere, accelerating global warming and intensifying the climate changes we are now experiencing. Understanding the link between human actions and climate change is essential for mitigating its future impact.

The news article, "There is a new normal for weather in Charlottetown, and it's

warmer" discusses a report detailing the significant effects of climate change on weather patterns in Prince Edward Island and the broader Atlantic region. It highlights rising average temperatures, leading to hotter summers, milder winters, and more frequent extreme weather events. Environment and Climate Change Canada has updated its climate normals using data from Charlottetown Airport, showing the persistent and growing influence of climate change on the region.

The report indicates that average temperatures have risen by

approximately 1.4 degrees Celsius since the 1970s. This increase has contributed to more extreme weather events, including heavier rainfall and stronger storms, which have led to flooding and other related hazards.

The study is crucial to many aspects of daily life, highlighting long-term environmental shifts in the Atlantic region due to climate change. It examines rising temperatures, changes in precipitation, and sea level increases, all of which affect agriculture, fisheries, and coastal communities.

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

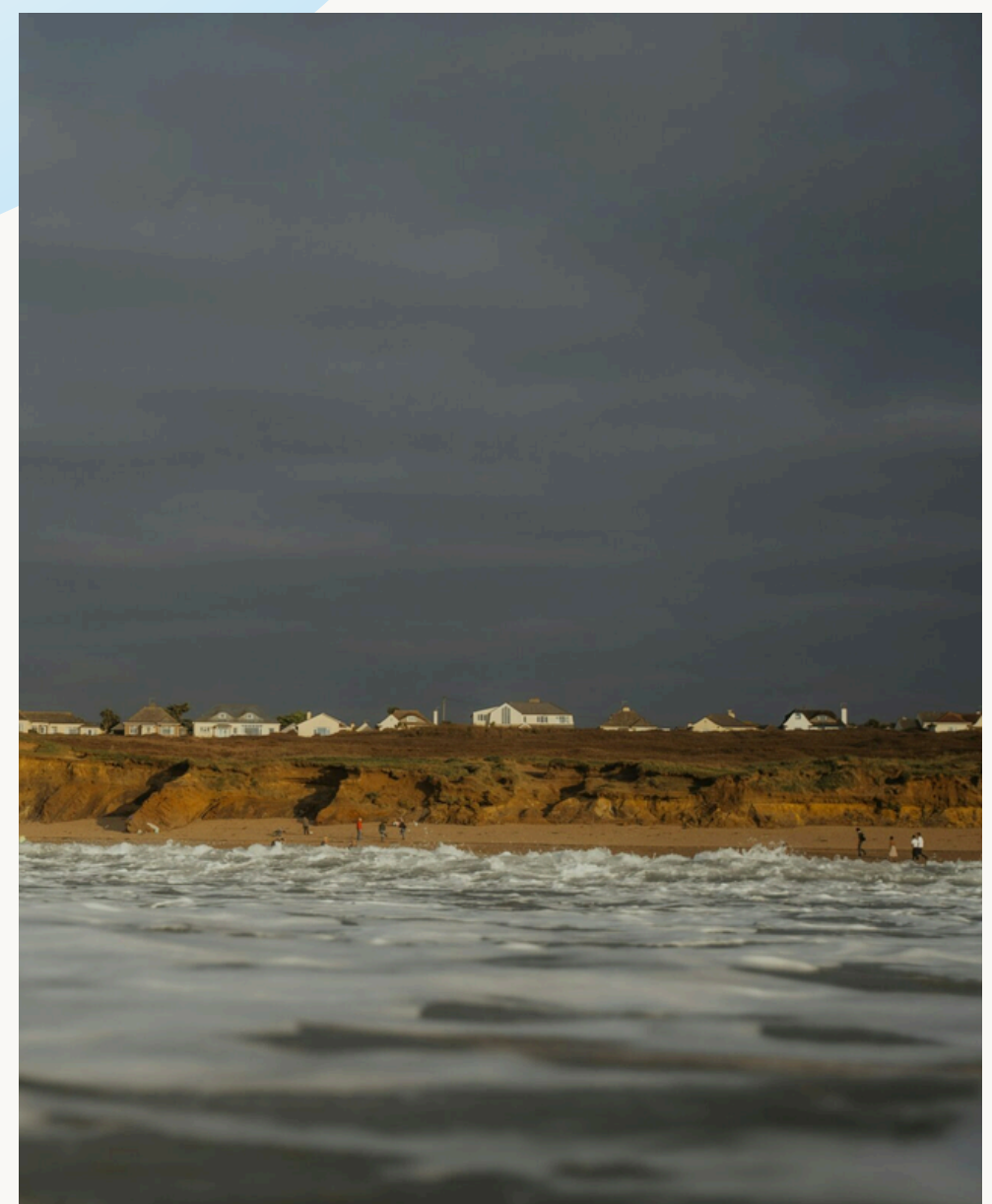
GLOBAL WARMING WORD SEARCH

M	A	E	G	N	A	H	C	E	T	A	M	I	L	C	L	S	O	Y	Z
R	W	Z	F	N	T	E	M	P	E	R	A	T	U	R	E	Z	O	E	L
O	F	L	A	Y	I	R	A	T	C	L	R	C	O	I	X	N	Q	H	U
T	S	U	B	Q	Z	D	V	O	D	G	S	N	O	I	S	S	I	M	E
S	R	K	A	A	U	U	O	G	V	T	I	Q	S	Q	E	W	Z	W	M
C	A	R	B	O	N	D	I	O	X	I	D	E	W	B	I	B	M	E	T
A	F	N	P	W	H	S	H	X	L	P	B	A	Y	F	L	K	R	W	B
H	T	G	P	R	F	F	W	Z	G	F	N	A	N	N	J	N	S	J	Y

carbon dioxide
climate change

emissions
flooding

storm
temperature





Sources of Renewable Energy

S A E N T K E Y O O G W
 G L D P O T B S Q E R L
 L T S I T W C H L N A A
 R A R R N W M S Y M I D
 A B D H Y I T T R D O B
 L S E I M G E E S L R T
 O L S U T M H B K A R O
 S E I I D T Z L T V U U
 H R D D O S S A J R D H
 A O S E S N D U J D R T
 I O G S S A M O I B I M
 X B A W E H T G P A H M

Word Bank

-Solar

-Hydro

-tidal

-Wind

-Geothermal

-biomass

Mixed Coast Collective

Author: Jake Breen

Date: 10 February 2026

Link to Blog Post:

<https://climafacts.ca/mixed-coast-collective/>

In recent years, with climate change progressing, climate anxiety has been a growing concept. Climate anxiety is described as the stress, dread, and fear of our changing planet. One of the best ways to address climate anxiety is through storytelling. Storytelling allows individuals to share and connect about their personal experiences. It allows people to find comfort in the understanding that they are not alone in climate change; there are others who are feeling the impacts as well. Generational storytelling, sometimes referred to as oral tradition, has been vastly important in environmental management. Indigenous oral tradition in Canada, and throughout the world, provides the basis of many environmental management techniques that are still used and effective today.

The Mixed Coast Collective is an organization in Newfoundland that focuses on bridging storytelling with climate action. Being BIPOC owned and operated, the Mixed Coast Collective is one of Newfoundland's leaders in bringing together and uniting communities in climate resiliency.

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