



Endangered Species Endangered Spaces

“Sometimes I feel like Industry has the right
to push every species to EXTINCTION”

Sam Hunter- Environmental Stewart
Peawanuck

- We can all live without love, but none of us can last long without clean water.



None of the world's top industries would be profitable if they paid for the natural capital they use

- The Elders of Peawanuck learned about the scientific data regarding the previous ice ages. We really don't know what happened in between the previous prior to the last, but we have a good idea what happened after the last ice age.



Glyphosphates

may affect fish and wildlife indirectly because killing the plants alters the animals' habitat.

NO DOGS

CHEMICAL
TREATED LAWN

The Elders

- These are the elders words ...
- While pesticides and specifically **Neonicotinoids** are targeting insects, the songbirds have almost totally disappeared. The Bee population decimated. The forests are eerily quiet.
- Does the Environmental Assessment process negate the aboriginal person?
- We are concerned as the land sustains every facet of our lives, It is our playground, healer, she nurtures us.



John Chookomolin

“you just cannot continue to dam river systems, mother earth will get very sick. When sick, she is just like us, her fever will get really hot and cold. This is how she cleans herself.”

“Imagine what would happen if most of your blood vessels are blocked.”

Circa spring 1974



The retreating Ice

An aerial photograph showing a vast landscape of retreating ice. In the center, a large, dry, brownish area, likely a former lake or riverbed, is marked with intricate, dark, branching patterns. This area is surrounded by dense, green coniferous forests. In the background, there are rolling green fields and more forested areas under a clear sky.

- 70 Km's from the shores of Hudsons Bay, driftwood can be found.
- Lakes and rivers are drying up
- The earth is rebounding 3 feet every one hundred years.

Retreating Ice

Scientists say, the Polar bear is the barometer for Climate Change. I think not!

Palsa is ...mere centimeters under, is solid permafrost, but it is melting/disappearing at an alarming rate. Without it, there is loss of habitat, methane is released to the atmosphere.



An aerial photograph showing a large, irregularly shaped basin that has dried up. The central part of the basin is a light-colored, sandy or silty area, surrounded by patches of green vegetation. To the left, a dense forest of evergreen trees borders the basin. To the right, a narrow, winding stream flows through the landscape. The overall scene suggests a significant change in the local hydrology and environment.

Dried up Lake

Climate change, permafrost thaw, and rebound.

The disappearing ponds ...



... are dotting the landscape



What does this mean?

Loss of habitat for many species, ducks, phalarope, and other shore birds. Just a few years ago, this was a grassland. Now willow is sprouting up all over.

The disappearing Palsa



Sunken Palsa

An aerial photograph showing a large, irregularly shaped area of sunken peat (palsa) in a wetland. The palsa is a dark, textured patch of peat that has become submerged, surrounded by a dense carpet of green and brown vegetation. The surrounding area is a mix of green grasses and brown peat, indicating a transition from a peat bog to a muskeg.

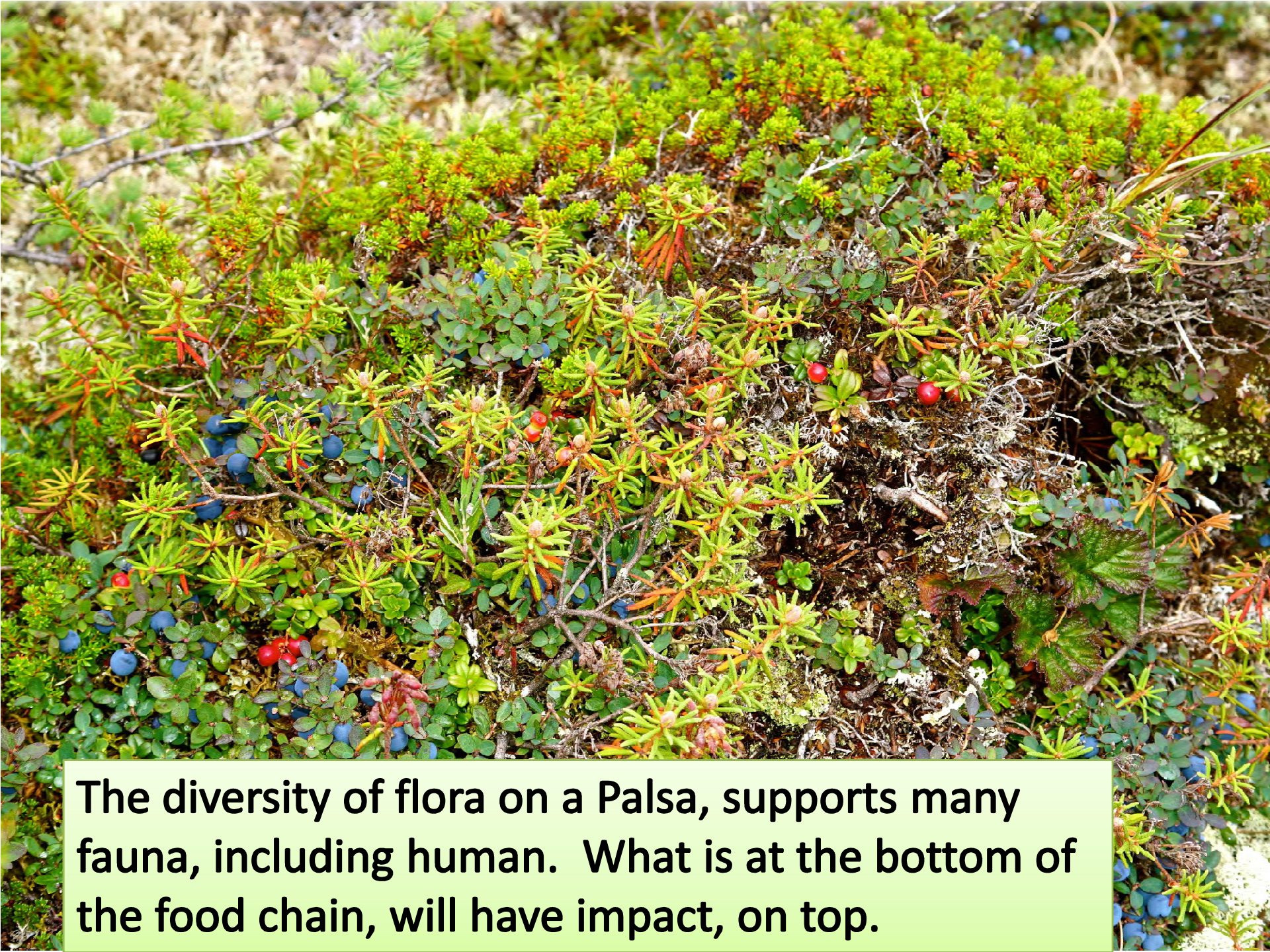
Once it is gone, it is Muskeg

At one time, the area was dotted with lakes, ponds and Palsa



2009 - - - >> 2017





The diversity of flora on a Palsa, supports many fauna, including human. What is at the bottom of the food chain, will have impact, on top.

The Last 100 Years

Besides the melting permafrost

The last Muskox died somewhere between the Brant and Sutton River

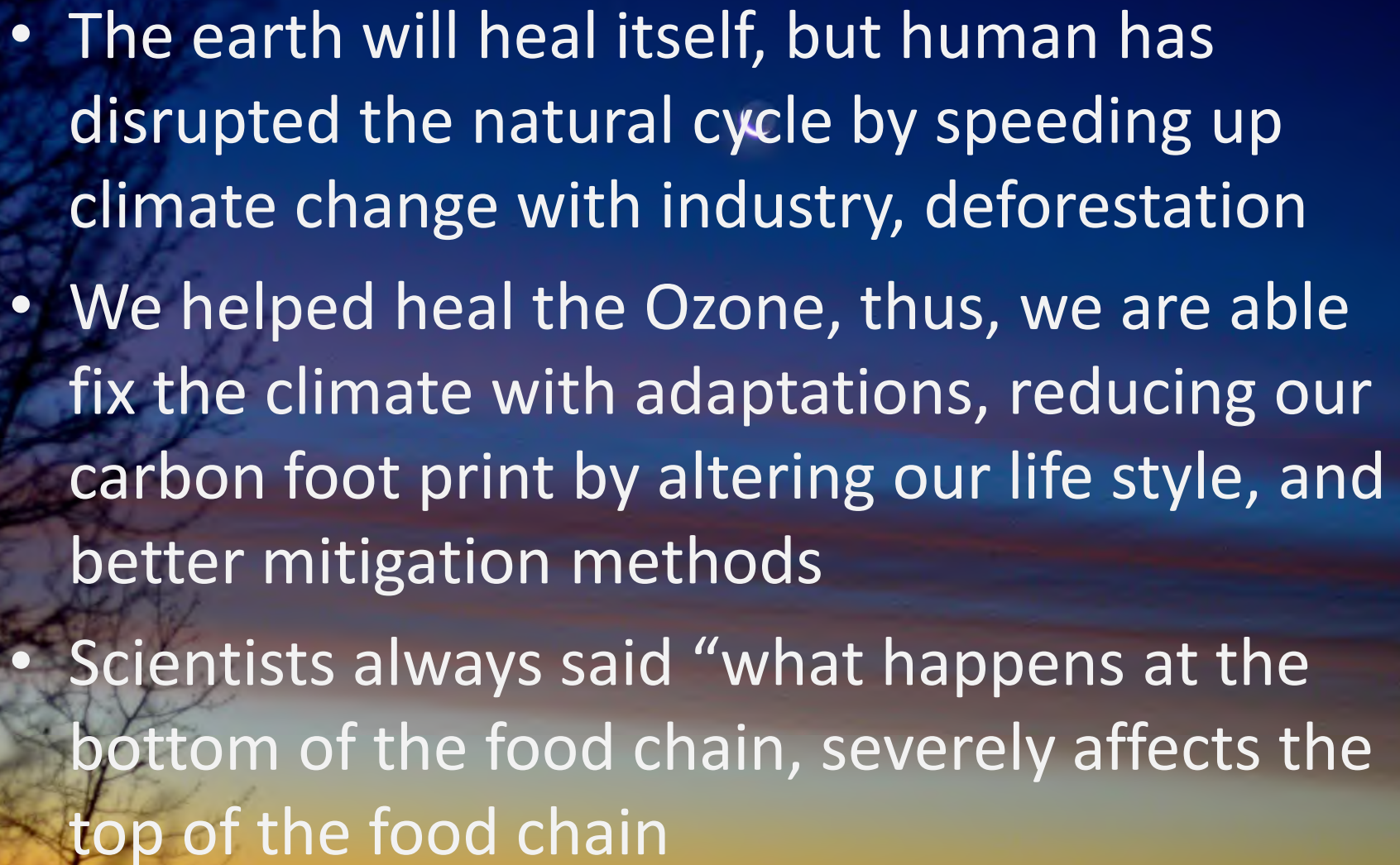
The first Moose was harvested. No Moose prior, and they are moving north.

Pelican, garter snakes, and mountain Lion have been spotted

We can still drink our water

What traditional Ecological Knowledge is saying;

- What used to take 100's of years is now taking decades to change
- Ponds and rivers are drying up
- Human and industry is causing mass extinction
- The Hundreds of thousands of Caribou that used to migrate to and fro the north are no longer
- Next, the Industry will want our living waters

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- The background of the slide is a photograph of a sunset or sunrise. The sky is a gradient of colors, from a deep blue at the top to a bright orange and yellow near the horizon. The silhouettes of trees and a forest line are visible against the bright horizon. The text is overlaid on this background in a white, sans-serif font.
- The earth will heal itself, but human has disrupted the natural cycle by speeding up climate change with industry, deforestation
 - We helped heal the Ozone, thus, we are able fix the climate with adaptations, reducing our carbon foot print by altering our life style, and better mitigation methods
 - Scientists always said “what happens at the bottom of the food chain, severely affects the top of the food chain

Youth and the outdoors

We promote outdoor activities which are culture based

We teach our kids the old ways, while harnessing the new



Our Youth & the Future

- Climate change up north looks promising
- Temperate weather for agriculture / farming
- Future housing



Very Interesting Place

All of the water here is diluted with fresh and is different from sea water. It freezes faster, longer

It has been colder, hotter, seen both extremes

The area has been colder this past year than the far arctic



Your way of live ...

... is my way of dying

Thank you, Merci, Meengwetch



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