A look at Canada's General Status Ranking Program

Mainstreaming data flow from Canada's Northern

Biodiversity

October 2018 KNO14 Arctic Biodiversity Congress, Finland

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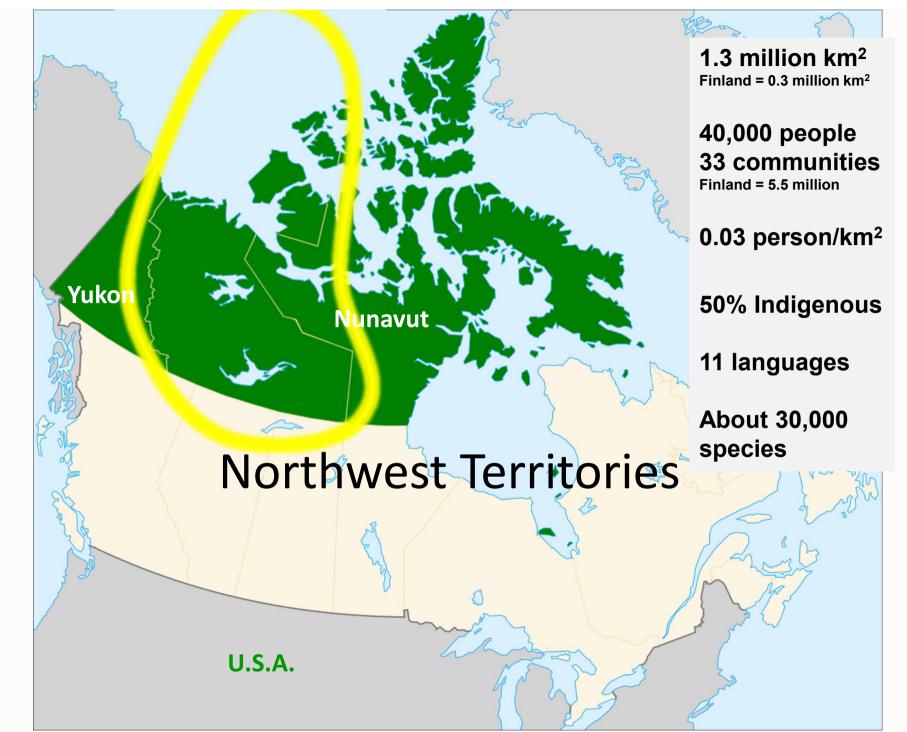


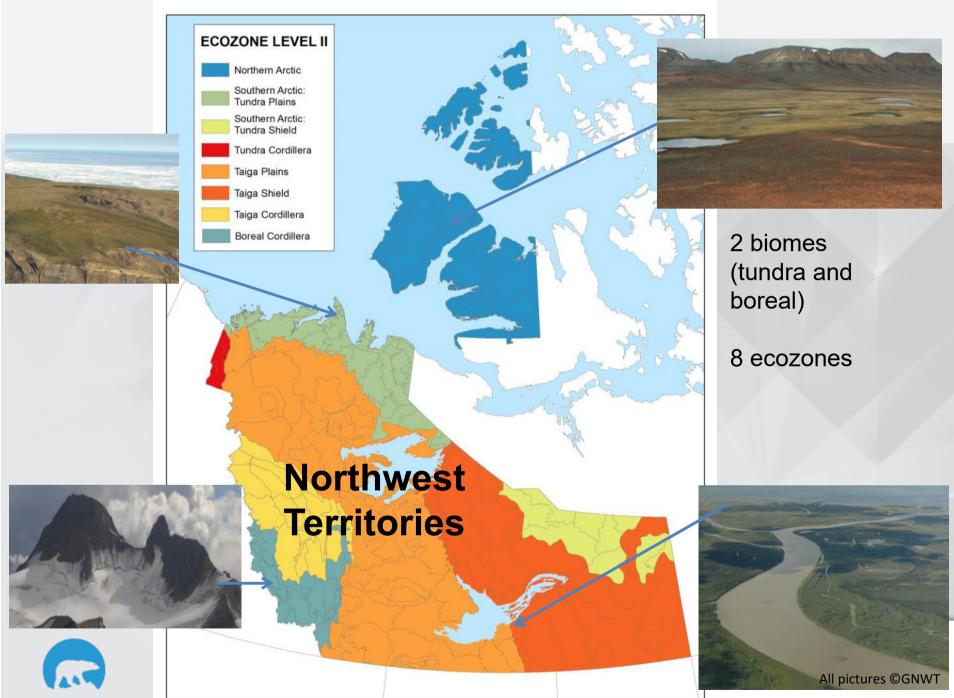
In collaboration with

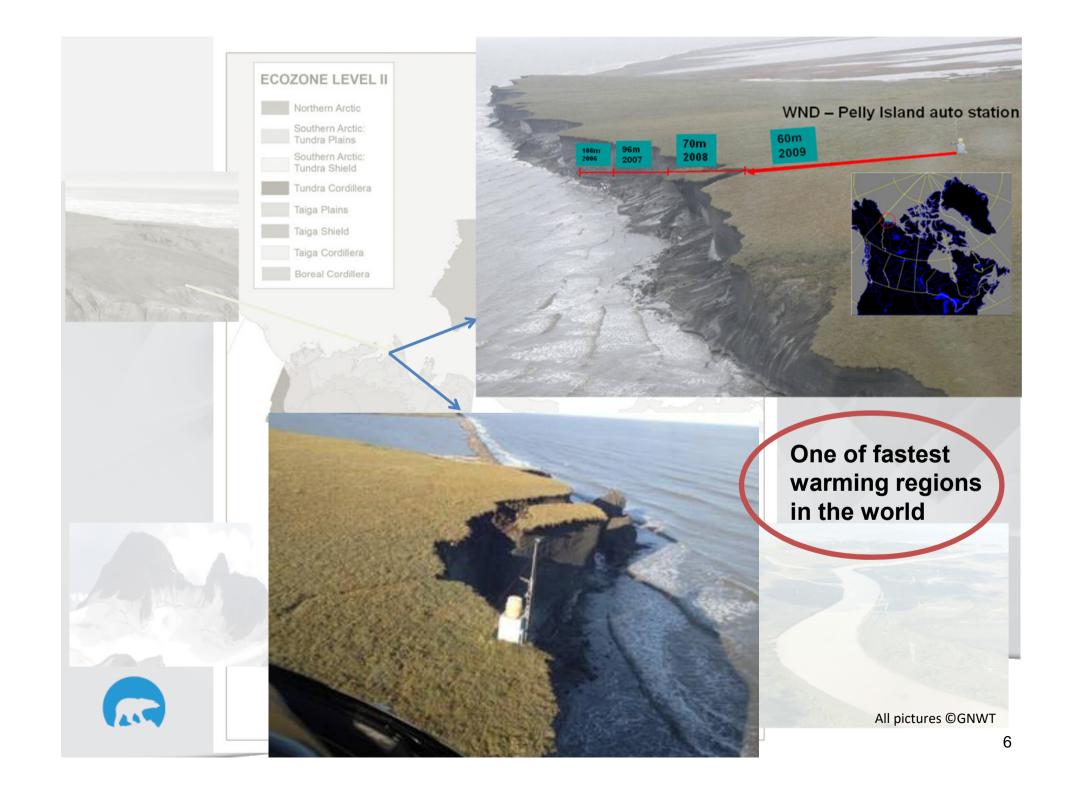












Northern adapted



Edge for many species



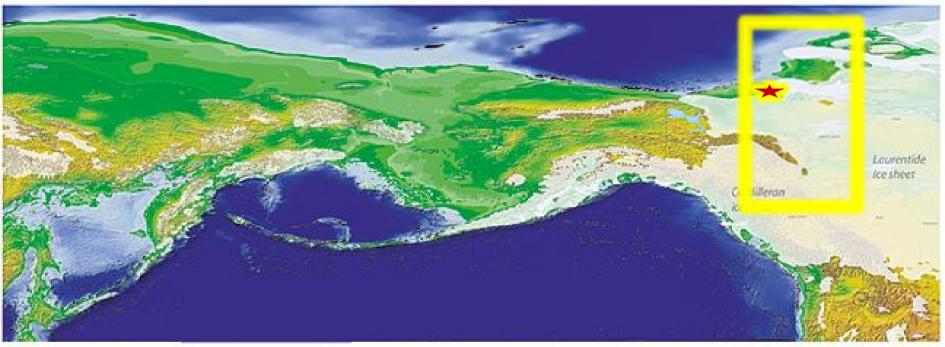
Red-sided Garter Snake ©JF Biennentreu

Barren-ground Grizzly Bear ©GNWT/R Gau





Eastern edge of Beringia – ice free in the last glaciation



Beringia 18,000 years ago with exposed land bridge. - Map courtesy Yukon Geological Survey









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All pictures ©Jim Harris

We collect a lot of data!

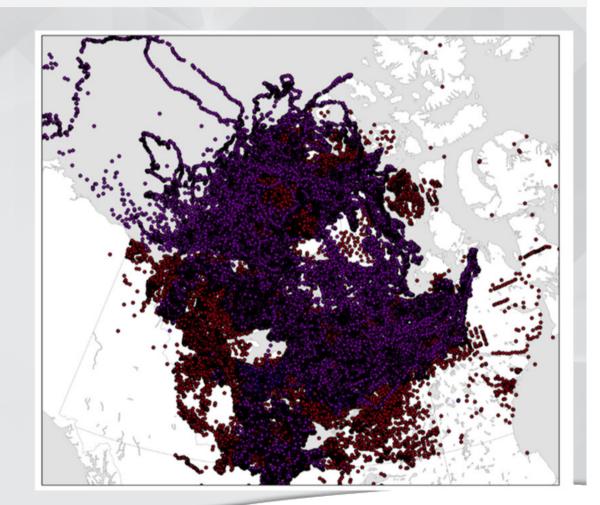
But almost nobody else sees it.

©GNWT

Introducing our data to the world

Our Data Help

- Species and ecosystem conservation
- Knowledge about climate change effects
- Climate change adaptation efforts





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Steps to Mainstream Our Biodiversity Data



- General Status Ranking of Species in Canada
- NatureServe Canada Methodology



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Step 1: High Level Mandate

Rough-legged hawk © Gordon Court

Mandate

- Accord for the Protection of Species at Risk (1996) in Canada
 - "Monitor, assess and report regularly on the status of all wild species".
- Species at Risk Act (Canada)
 - Example (2003): "five years after this section comes into force and at the end of each subsequent period of five years, the Minister must prepare a general report on the status of wildlife species".



Mandate ...

- One of the main goals of the General Status Ranking program is to flag species that may be at risk.
- Can help to prioritize species for detailed assessments.





Step 2: Assembled a Team



National General Status Working Group

- Government representatives across Canada, including the North.
- Conservation Data Centre (CDC) specialists.
- Ex officio members.

14 people in 1999, now up to 200 +



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Caribou © GNWT/J Nagy



Supervising ...

- Report to the Canadian Wildlife <u>Directors</u> Committee.
- Then report to the Canadian Endangered Species Conservation Council (CESCC) – all wildlife <u>ministers</u>.

PRODUCT ORIENTED

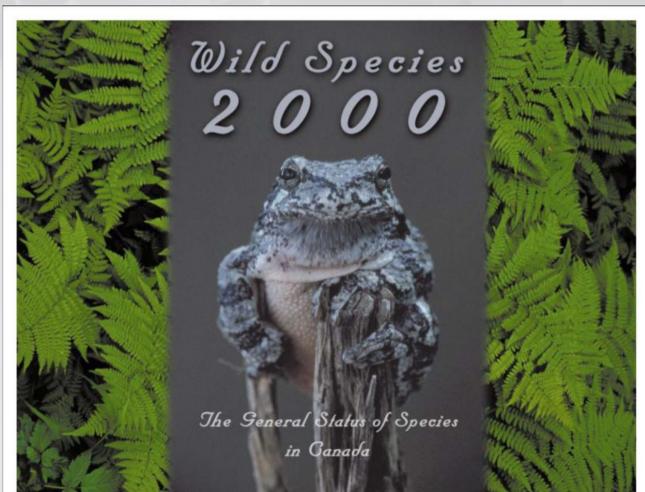
 Main products are series of reports published <u>every five years</u> titled "Wild Species: The General Status of Species in Canada".

Step 4: Created a Start line



First reports were small

- Canada-wide
- Wild Species 2000
- 1670 species assessed in 8 groups:
 - Ferns
 - Orchids
 - Butterflies
 - Freshwater fishes
 - Amphibians
 - Reptiles
 - Birds
 - Mammals

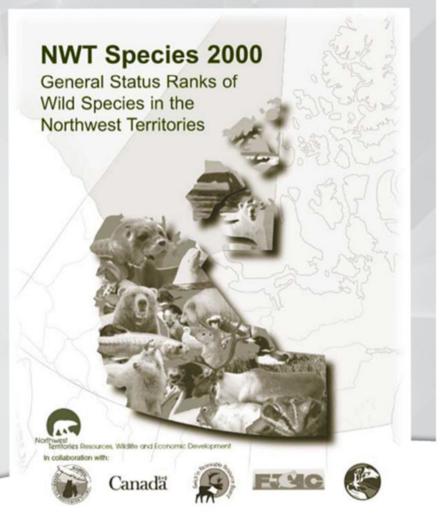


Canadian Endangered Species Conservation Council

NWT report

NWT Species 2000

- 407 species assessed in 8 groups:
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Step 5: Agreed on some rules

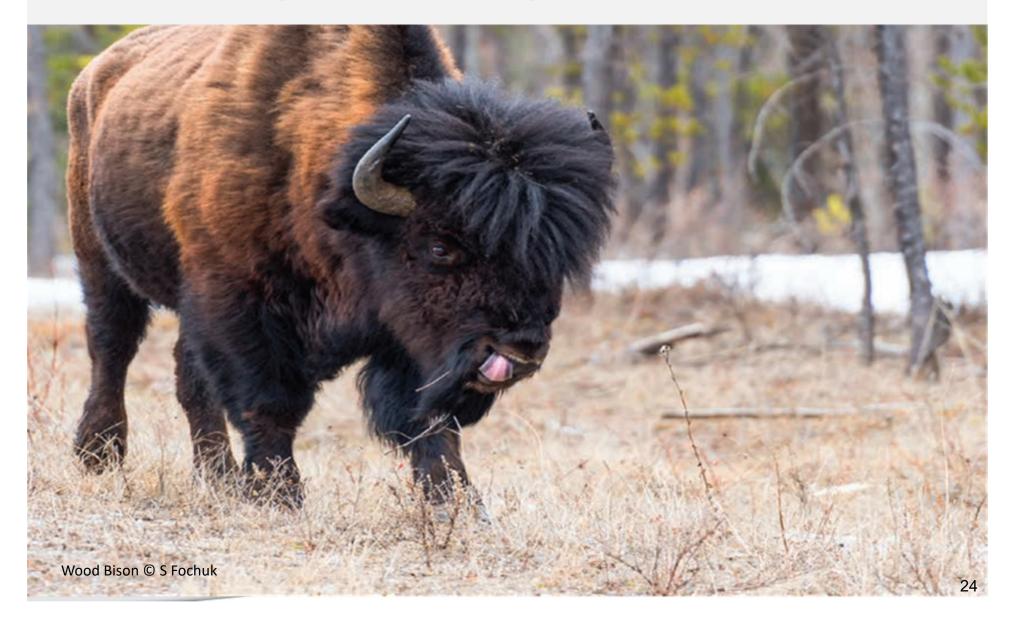
White Pelican and Arctic Lamprey © JJ McKinnon

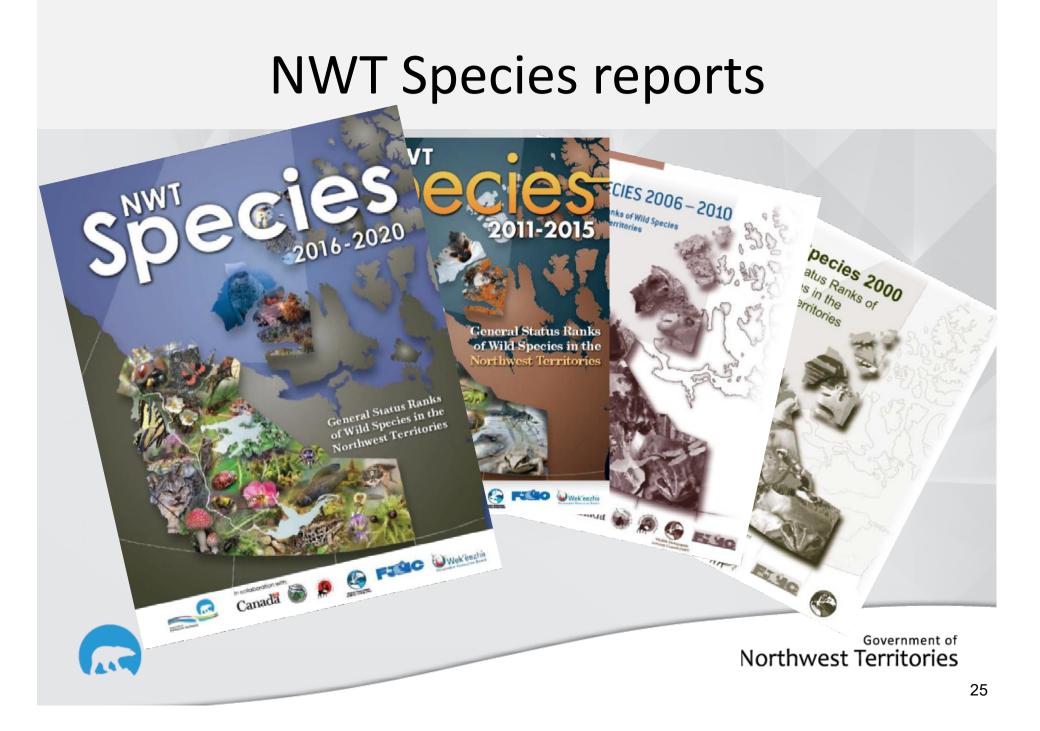
Methodology.



Add new species group to every report.

Step 6: Show your Results





Results ...

- Official species lists
- Priority lists for species at risk assessment under legislation
- Alien species tracking
- Participation in Arctic and circumpolar monitoring
- Impact assessments of industrial development





Step 7: Do Better + Do More

I want to know more about insects!

34 Species groups in latest report!



Overall

- Wild Species 2015 represents the most complete vision we ever had on species in Canada!
- 29,848 species ranked among 34 taxonomic groups
- Already working on 2020 report.
- Working together = great results.
- <u>www.wildspecies.ca</u>





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Kysymyksiä?

Rob Gau Government of the NWT

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www.nwtspeciesatrisk.ca

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