Polar Bear Harvest registration and data in Nunavik

Aurélie Bourbeau-Lemieux, wildlife biologist

Guillaume Szor, wildlife biologist

Québec Ministry of Environment, Fight Against Climate Change, Wildlife and Parks (MELCCFP)

Prepared for the Polar Bear Non-Quota Limitations Public Hearing

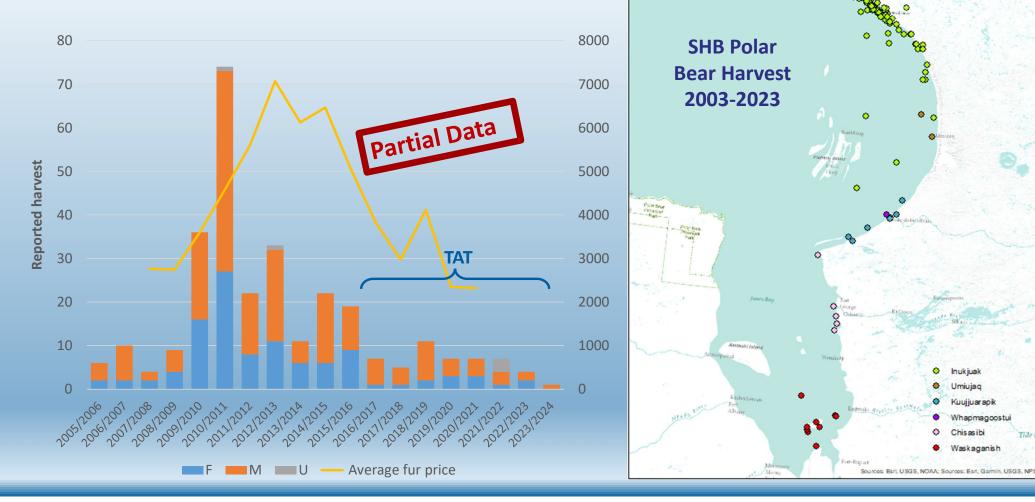


2025/02/04

Southern Hudson Bay

St. Ellis

Portrait of polar bear harvest in SHB communities



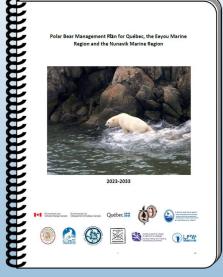
8

Tide I

Harvest season	Waskaganish	Wemindji	Chisasibi	Whapmagoostui	Kuujjuarapik	Umiujaq	Inukjuak	Total
2003/2004	0	0	1	0	0	0	10	11
2004/2005	0	0	0	0	0	0	0	0
2005/2006	0	0	0	0	0	0	6	6
2006/2007	1	0	0	0	0	0	9	10
2007/2008	0	0	0	0	2	0	2	4
2008/2009	0	0	0	0	0	0	9	9
2009/2010	0	0	0	0	0	0	36	36
2010/2011	0	0	0	1	2	0	71	74
2011/2012	0	0	1	0	2	0	19	22
2012/2013	3	0	0	0	0	0	30	33
2013/2014	2	0	0	0	0	0	9	11
2014/2015	1	0	0	0	0	1	20	22
2015/2016	0	0	0	0	0	0	19	19
2016/2017	1	0	0	0	1	1	4	7
2017/2018	0	0	0	0	1	0	4	5
2018/2019	0	0	0	0	1	0	10	11
2019/2020	0	0	0	0	2	0	5	7
2020/2021	2	0	1	0	0	0	4	7
2021/2022	0	1	1	0	0	0	5	7
2022/2023	1	0	3	0	0	0	0	4
2023/2024	0	0	0	0	0	0	1	1
Total	11	1	7	1	11	2	273	306

Polar Bear Management Plan for Québec, the Eeyou Marine Region and the Nunavik Marine Region

Objective #1: Establish a management system based on the best available information, which reflects Inuit and Cree values, and adapt it as necessary to ensure the long-term persistence of polar bears in the management plan area.



Revise the harvest registration process with the goal of achieving complete reporting of all human-caused mortality of polar bears.

→ Registration historically done on a voluntary basis through Hunter Support
 Program office, mostly for selling hide (Tag system).

Why is it important to report polar bear harvest?

Objective #1 [...] "best available information" [...]



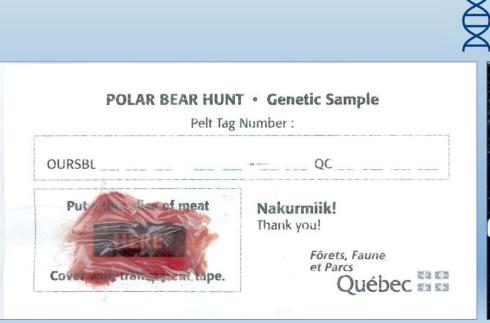
To document harvesters' needs and support sustainable harvest level

- Demonstrate sustainability of current harvest level
- Eventually might be used for allocation of a share if a Total Allowable Take is to be set up among jurisdictions

To maintain international trade (CITES Non-Detriment Finding reports)

- Report on polar bear trade in Canada published in September 2022 identifies market price having an impact on reported harvest in Québec...
- Lack of complete reporting in Québec considered an impediment to effective management

Providing samples from harvested bears when registering/tagging
 Meat sample (genetic ID of bears)
 Teeth (lower premolars for age)







Providing samples from harvested bears when registering/tagging Meat sample (genetic ID of bears) Teeth (lower premolars for age)

Recent population monitoring techniques rely on the genetic ID of bears



Providing samples from harvested bears when registering/tagging Meat sample (genetic ID of bears) Teeth (lower premolars for age)

Recent population monitoring techniques rely on the genetic ID of bears

Provide information on movements of bears (Ex: SHB vs WHB)



- Providing samples from harvested bears when registering/tagging Meat sample (genetic ID of bears) Teeth (lower premolars for age)
- Recent population monitoring techniques rely on the genetic ID of bears
- Provide information on movements of bears (Ex: SHB vs WHB)

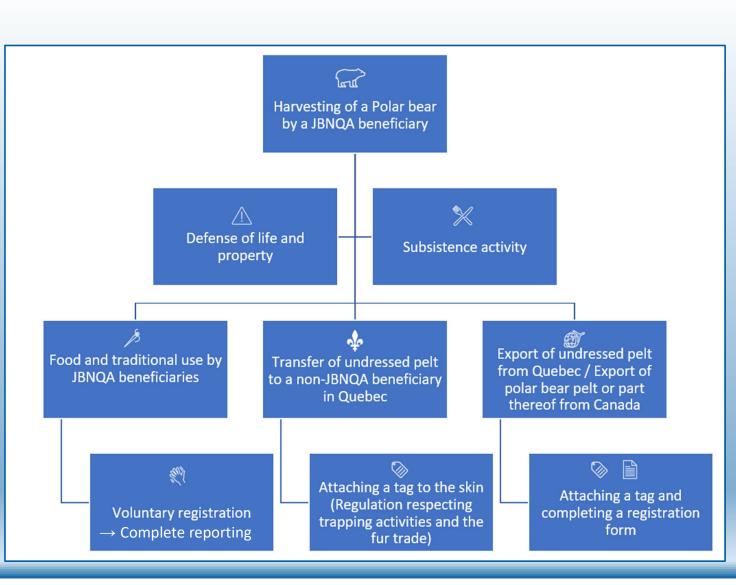


Age of bears useful in survival rates modelling + information on structure of population AT TR hh

- Providing samples from harvested bears when registering/tagging
 Meat sample (genetic ID of bears)
 Teeth (lower premolars for age)
- Recent population monitoring techniques rely on the genetic ID of bears
- Provide information on movements of bears (Ex: SHB vs WHB)
- Age of bears useful in survival rates modelling + information on structure of population
- Very few samples from Nunavik so far \rightarrow information gap



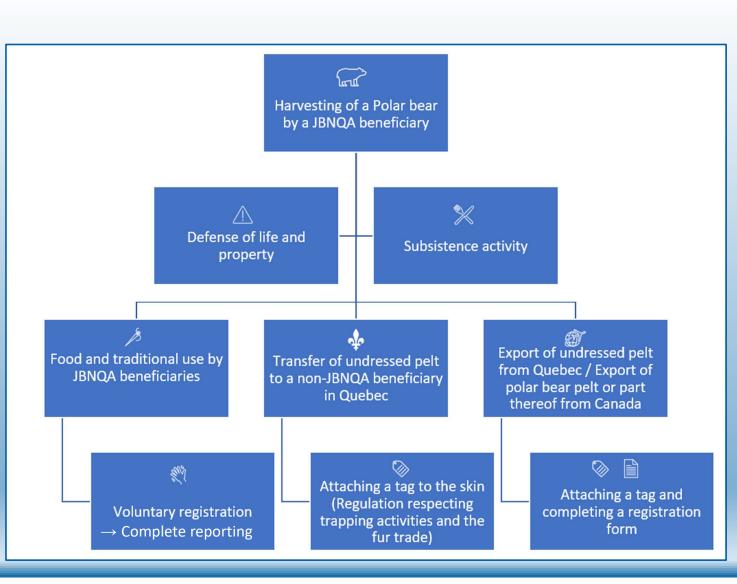






	-
PB 1718 - et Parcs Québec E E E C C C C C C C C C C C C C C C C	
∝_oჼተቅσჼσჼ ጋኒჼበተJበჼ / POLAR BEAR HAR\'EST REPORT	
a s5b* a stdCtic P0(40)b Pelt tag number O U R S B L - Q C C Pelt tag number O U Right Lip tattoo number	
$\begin{array}{c c} & & & & \\ & & & & \\ \hline & & & \\ \hline & & & \\ \hline \hline & & \\ \hline & & \\ \hline \hline & & \\ \hline & & \\ \hline \hline \\ \hline \hline \\ \hline \\$	
$a^{+} a^{+} b^{+} U = a^{+} \sigma^{+} U = 4 n^{+} U - Kill location name$ $a^{+} a^{+} b^{+} \sigma^{+} b^{-} (a^{+} \sigma^{+} b^{-} b^{-} d^{+} \sigma^{+} b^{-} d^{+} d^$	
OURSELSHE12-130C	0092 🔍
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	Currently managed by Hunter Support Program representative, but local Anguvigaqs working towards taking over this role.
۵۲-۵ ک۲۵ مارس کی ۲۹۹۹ مارس ۱۹۹۹ مارس ۱۹۹۹ مارس کی کرد. SAMPLE to: Wildlife protection office, 851, Kaivivik circle, P.O.Box 59, Kuujjung, JOM 100 Tel:1-866-237-2442 Fax : (819) 964-2502	











Environnement Environment Canada Canada

APPLICATION FOR A PERMIT TO Import, Export, or Re-export Live Animals or Animal Parts or Products

CITES Form A1 (2014.02.04)

CONVENTION ON INTERNATIONAL TRADE IN ENDANGERED SPECIES OF WILD FAUNA AND FLORA (CITES)

If you need assistance in completing this form, the CITES Management Authority Office can be contacted by email at <u>cites@ec.gc.ca</u> or by telephone at 1-855-869-8670.

IMPORTANT NOTES

- Do not use this form for hunting trophies. Please use the Hunting Trophy application form.
- Send your completed application by email, regular mail or fax (send application only once): CITES Permitting Office Canadian Wildlife Service Environment Canada 351, St. Joseph Blvd Gatineau, Quebec K1A 0H3 Email: <u>cites@ec.gc.ca</u> Fax: 1-855-869-8671
- All applicable sections must be filled out. Incomplete application forms will not be accepted. Additional
 information or documents may be requested from the applicant in order to process the application. <u>The
 applicant must sign the application form.</u>
- A period of 40 days (or 80 days for requests relating to polar bears) may be required to review an application before the CITES permit is issued. Please note that this reviewing period begins once all required documents and information are received.
- If the application is approved, the permit and instructions will be sent by mail to the applicant. If you would like to
 receive your permit by courier, please provide a pre-paid envelope or your courier account number. The permit will be
 sent to the address provided in Section 3A, unless otherwise specified by the applicant.
- Some animals and products must also meet the requirements of the Canadian Food Inspection Agency (CFIA). Please

Questions ?

