



Environment
Canada

Environnement
Canada

Canada



ԺԳՆՈԾԻ ԴՐՆԱՐԿԱԾԵՐԻՆԻ ԺՐԿՆԵՐԻ Federal Species at Risk Program

ՇՆԴՐՈՒՄ ԸԺՐՎԵՂՈՒՄ General Overview

ԺԵՇԿԻ ԻՆՎԵՆՏԱՐԻՆԻ ԵՐԿՐԱՆԻ ԸՆԴՈՒՄԻ ԸՆԴՈՒՄԻ
ԴՐՆԱՐԿՈՒՄ, ԺԵՇԿՈՒՄ
ԸՆԴՈՒՄ, ԻՆՎԵՆՏԱՐԻՆԻ
8 ՆՈՎԵՄԲԵՐ 2014

NWMB Quarterly Meeting
Iqaluit, NU
Lisa Pirie, Wildlife Biologist
8 September 2014

What is a “species at risk”?

$$\wedge P^{\text{qb}} \supset \triangleright L \triangleleft \Delta^c \supset \text{d}^{\text{qj}} \supset \Delta^a \text{e} \neg \triangleleft^{\text{qb}} \neg^c \text{e} \triangleleft^{\text{qb}} <^b C^{\text{q}} \Gamma^a \sigma^b \text{ b} \neg C \Gamma$$

Plants and animals that are in danger of disappearing from the wild in Canada.



ᠳᠠᠨᠤᠯᠤᠰᠤᠨ ᠨᠠᠭᠤᠨᠠᠨᠢ
Rusty Blackbird:
ᠳᠠᠨᠤᠯᠤᠰᠤᠨ ᠨᠠᠭᠤᠨᠠᠨᠢ
Special Concern



᠋ᠣᠪᠢᠨᠭᠡᠷᠦᠨ:
Ross's Gull:
ᠠᠴᠤᠳᠤᠰᠠᠵᠤᠶᠢᠨ
Threatened



ᖁᕐᕋᕐᓴᕈᕐ ᓵᕐᓴᕐ:
Peary Caribou:
ᐱᕐᖃᕈᕐᓴᕐᓴᕐ
Endangered



ᐃᑦᓂᓴᑦ ᐅᓂᓕᓖᐅᐅ ᐃᓱᓴᓕᐃᓴᑦ:
Greater Prairie Chicken:
ᐱᓕᓴᓂᓄᓴᑦ ᑲᐸᐅ
Extirpated

[illegible]

Under the federal *Species at Risk Act* (SARA) the legal list is known as:

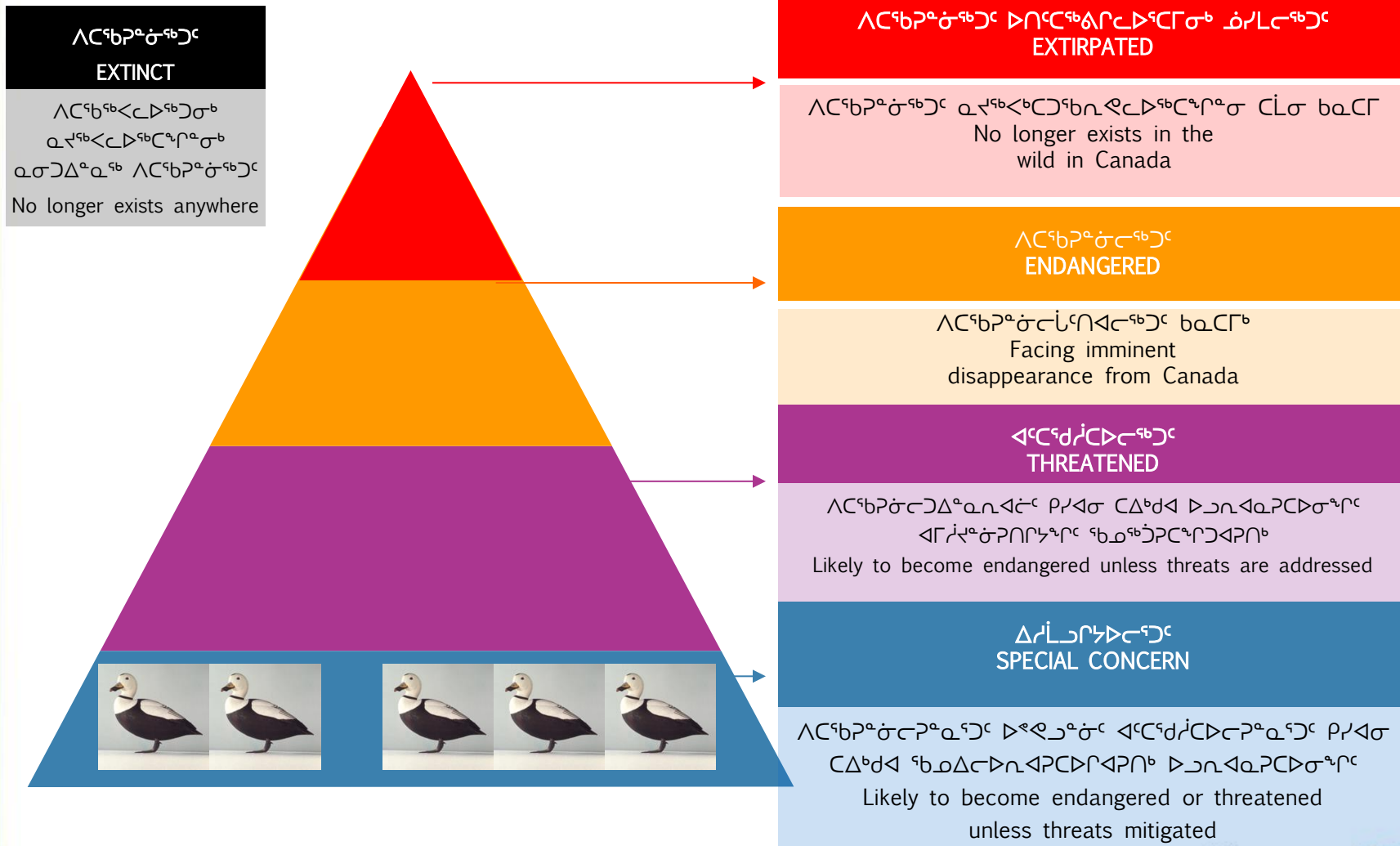
[illegible]

Schedule 1: List of Wildlife Species at Risk in Canada

Species are considered to be “at risk” if:

- $\Delta L \ll \Delta C \ll \Delta \rho \ll \Delta \sigma$
Species has experienced a large decline in numbers
- $\rho \ll \sigma \ll \Delta \rho \ll \Delta \sigma$
Only a very small number of individuals remain
- $\Delta C \ll \Delta \rho \ll \Delta \sigma$
Species occurs only in a very small area
- $\Delta L \ll \Delta C \ll \Delta \rho \ll \Delta \sigma$
Conditions for species survival are poor or may get worse

၎်ႈႁူႉႁိၼ်ႈ ၵႃႈႁိၼ်ႈ “ၵႃႈႁိၼ်ႈ”
 Different levels of “at risk”



bqCD< ᐱᑭᓂᕈᒃᔨᓪᓗᓚᓄᓲᓴᓇᓅᓰᓯᓳᓵᓶᓸᓴᓆᓁᓺᓀᓹᓉᓴᓼᓬ
Federal departments responsible for the administration of SARA

ΔΛΓΔCΓΛΠ^bδ^c
Fisheries and Oceans (DFO)



C_hl_or_op_hy_ll_oid_eae, C_hl_or_op_hy_ll_oid_eae
 Chlorophyta, Chlorophyta
 Marine species, freshwater fish and molluscs

ᐅᑦᓴᕐᔪᐃᑦ ᐅᑦᓴᕐᔪᐃᑦ
Parks Canada Agency (PCA)



ᐅᓕᓕᓴ ᑲᓇᑕᑦᒪᓯ ᓱᙵᐃᓄᓶᓂᓹᓸ ᑲᓇᑕᑦᒪᓯ
ᐃᑕᑕᓚᔭᐅᓶᓴᓰ ካᓂᓁᑦᑕᐅᓶᓴᓰ

Species in national parks and national historic sites

ᐃᓕᑎᑦᑲᐅᑦ ᑲᓚᑖ
Environment Canada (EC)



ᐊᓯᑦᐱᓯᑦ ᐅᐱᑦᐃᑦ ᑭᓯᑦᐱᑦ, ᐱᓯᑦᐃᑦ ᐅᑦᐱᑦ, ᐊᐱᑦ
ᑕᐱᑦᑭᑦ ᐅᑦᐱᑦᐱᑦᐅᑦᐱᑦᐱᑦ ᐊᐅᑦᐱᑦᐱᑦᐱᑦ
All other species, including migratory birds, and overall
administration



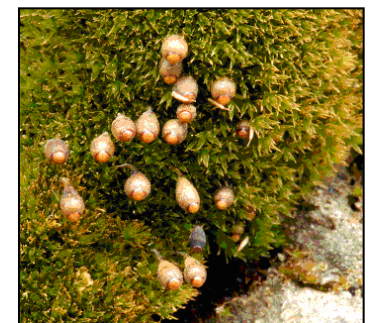
Photo/image: Sue Cosens / Fisheries and Oceans

**Bowhead Whale Fisheries
and Oceans**



© Gordon Cour

ᐅᖃᓴᕗᑦ
ᐅᑲᑎᓚᒃᑐᑦ ᑭᔪᑦ
Peregrine Falcon
Environment Canada

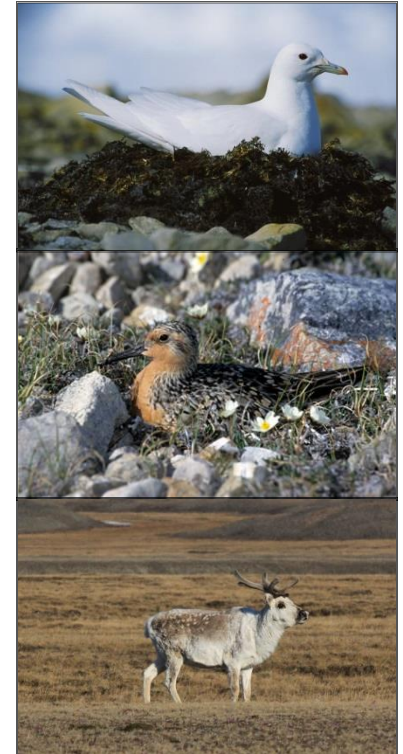


Porsild's Bryum
Parks Canada

ᐅᓕᓐᓴᓂᓐ ᐃᓕᓕᓐᓴᓂᓐᓴᓂᓐ ᐱᓐᓴᓂᓐ *Species at Risk Act (SARA)*

ᐱᓐᓴᓂᓐ Purpose

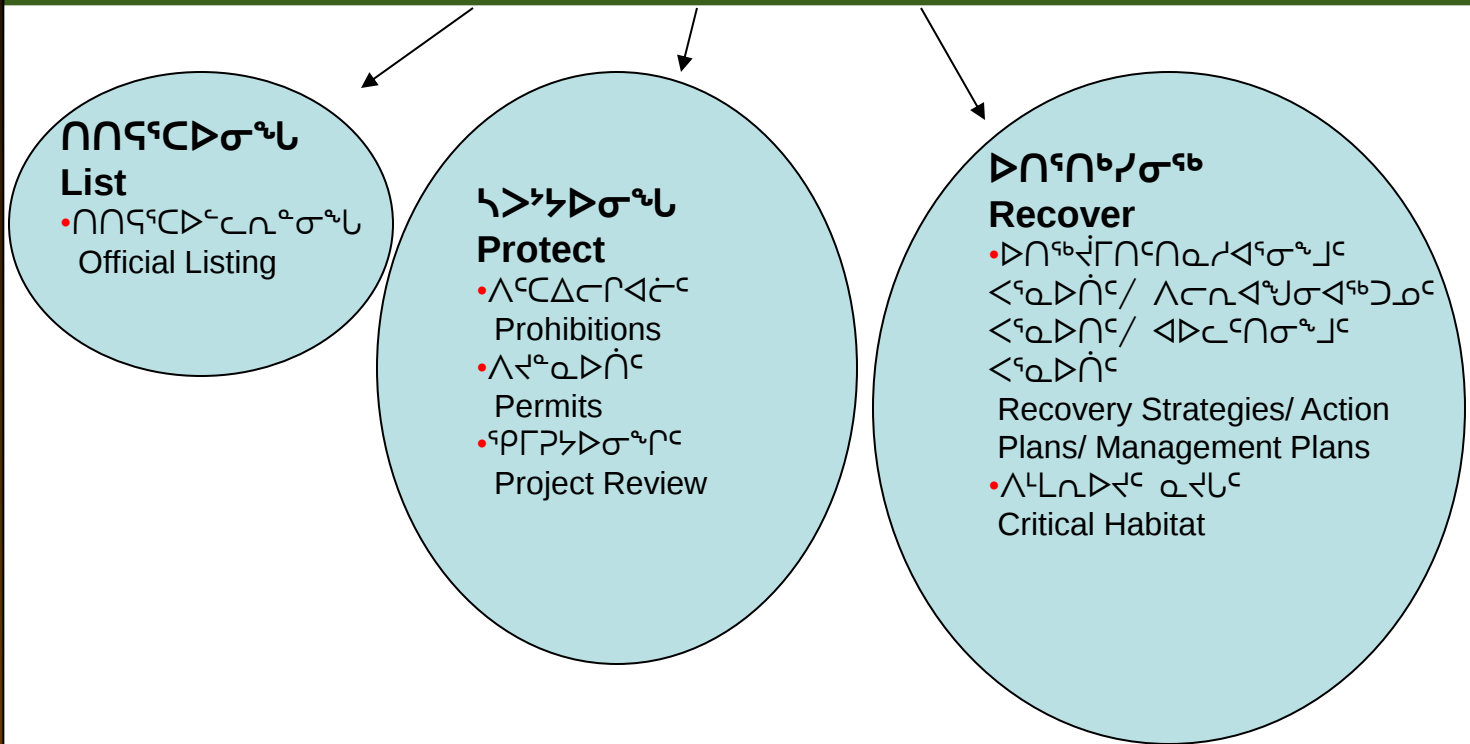
- ᐃᓕᓐᓴᓂᓐ ᐱᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ
ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ
ᐃᓕᓐᓴᓂᓐ
Prevent wildlife from becoming extirpated or
extinct in Canada
- ᐱᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ,
ᐱᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ,
ᐱᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ
Provide for the recovery of extirpated,
endangered or threatened species
- ᐃᓕᓐᓴᓂᓐᓴᓂᓐ ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ
ᐃᓕᓐᓴᓂᓐᓴᓂᓐᓴᓂᓐ
Manage special concern species to prevent
them from becoming further at risk



ምዕራፍ ልሳሽገብንድርፍጋፍ ለፍጥነት SPECIES AT RISK ACT

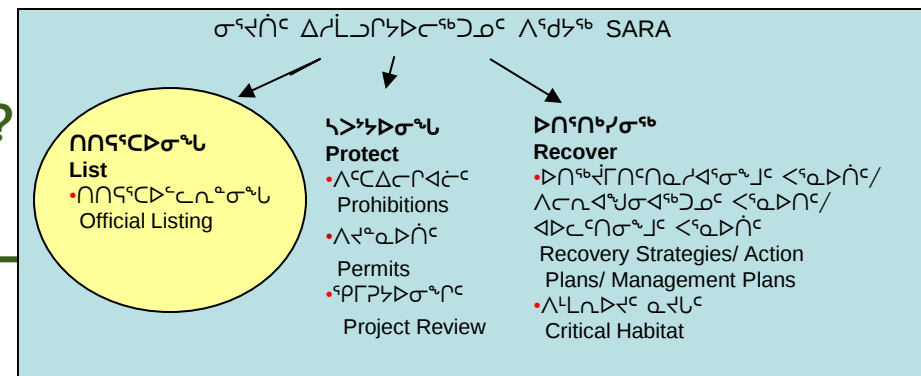


KODAK



ክፍል ስለሚገኝ በዝርዝር ዝርዝር?

How does a species get on the list?



- ስለሚገኝ የፍርድ ስልጣን ባለቤት
Committee on the Status of Endangered Wildlife
in Canada (COSEWIC)



- በፍጥነት የሚገኝ የፍርድ ስልጣን ባለቤት
ለፍጥነት ስልጣን ባለቤት ስልጣን
መረጃ ለማግኘት ስልጣን
(ለፍጥነት ስልጣን ባለቤት ስልጣን) ስልጣን ባለቤት.

Council of wildlife experts that decides the level of risk of extinction (disappearing) of a species in Canada.

Species at Risk Act and the Nunavut Land Claim Agreement

-  Environment Canada Environnement Canada

The Listing Process in Nunavut

1. የግራፍ ምልክት ለመግለጽ በባለቤቱ ስም ላይ ምልክት ማድረግ

There is a **priority list** of species to be assessed

- [illegible]

በበዓላዊነት ለመዝገብ የሚያስፈልጉት ሂደት The Listing Process in Nunavut

1. የሚመረጡ የሕይወት ዓይነቶች በበዓላዊነት ለመዝገብ የሚያስፈልጉት
There is a **priority** list of species to be assessed

2. ወደፊት ለሕይወት ዓይነቶች የሕይወት ምርመራና የሕይወት ዓይነቶች ለሕይወት ምርመራ
የሕይወት ዓይነቶች ሕግ የሕይወት ዓይነቶች ሕግ

Gather existing Scientific Knowledge and Aboriginal Traditional Knowledge into a **status report**

- ለዚህ ሕግ የሕይወት ዓይነቶች ሕግ የሕይወት ዓይነቶች ሕግ
Relies on existing information
- የሕይወት ዓይነቶች ሕግ የሕይወት ዓይነቶች ሕግ የሕይወት ዓይነቶች ሕግ
Draft report is reviewed by the Nunavut Wildlife Management Board
- ለሕይወት ዓይነቶች ሕግ የሕይወት ዓይነቶች ሕግ የሕይወት ዓይነቶች ሕግ
Should include Aboriginal Traditional Knowledge

በበኖኑርፕሮጀክትፕሮጀክትፕሮጀክት ፕሮጀክት ፕሮጀክት

The Listing Process in Nunavut

1. ፖርቲክላርፕሮጀክት በበኖኑርፕሮጀክት ፕሮጀክት ፕሮጀክት
There is a **priority list** of species to be assessed

2. ሙሉ ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት
Gather existing Scientific Knowledge and Aboriginal Traditional Knowledge into a **status report**

3. ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት
COSEWIC assesses species and recommends to the Federal Government

- ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት
Representatives from Federal, Provincial and Territorial governments – including Nunavut
- ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት
Aboriginal Traditional Knowledge Subcommittee
- ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት ፕሮጀክት
Makes recommendations to the Federal government

በበኖሮች ምዝገባ ሂደት ላይ ያለው ስልጣን

The Listing Process in Nunavut

1. ስራው ላይ ያለው የስፔሲየስ ምዝገባ ስልጣን
There is a **priority list** of species to be assessed

2. ወደፊት ያለው የስፔሲየስ ምዝገባ ስልጣን የስፔሲየስ ምዝገባ ስልጣን ለማድረግ ያለው ስልጣን
b) ስራው ላይ ያለው የስፔሲየስ ምዝገባ ስልጣን

Gather existing Scientific Knowledge and Aboriginal Traditional Knowledge into a **status report**

3. ስራው ላይ ያለው የስፔሲየስ ምዝገባ ስልጣን ለማድረግ ያለው ስልጣን
c) ስራው ላይ ያለው የስፔሲየስ ምዝገባ ስልጣን

COSEWIC **assesses species** and recommends to the Federal Government

4. ስራው ላይ ያለው የስፔሲየስ ምዝገባ ስልጣን ለማድረግ ያለው ስልጣን
Federal Government Consults

በበዓላት ለመደረግ የሚያስፈልጉትን ዓይነቶች ለመለየት ያለው ሂደት

The Listing Process in Nunavut

1. ለመጀመሪያ ለመለየት የሚያስፈልጉትን ዓይነቶች ለመለየት
There is a **priority list** of species to be assessed

2. ወደፊት ለሚገኝ የሰነድ እና የሕዝብ ጥያቄዎች ለመደረግ ለሚያስፈልጉት ዓይነቶች ለመለየት
b) የሕዝብ ጥያቄዎች ለመደረግ ለሚያስፈልጉት ዓይነቶች

Gather existing Scientific Knowledge and Aboriginal Traditional Knowledge into a **status report**

3. የሕዝብ ጥያቄዎች ለመደረግ የሚያስፈልጉትን ዓይነቶች ለመለየት
ለሕዝብ ጥያቄዎች

COSEWIC **assesses species** and recommends to the Federal Government

4. ለሕዝብ ጥያቄዎች የሕዝብ ጥያቄዎች
Federal Government **Consults**

5. ለሕዝብ ጥያቄዎች የሕዝብ ጥያቄዎች
Federal Government **Decides**



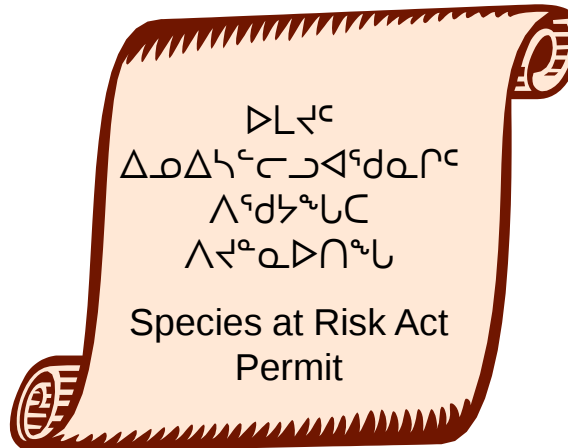
How does the Act Protect? ክፍል ለኖረኝ ካላገለጽኝ?



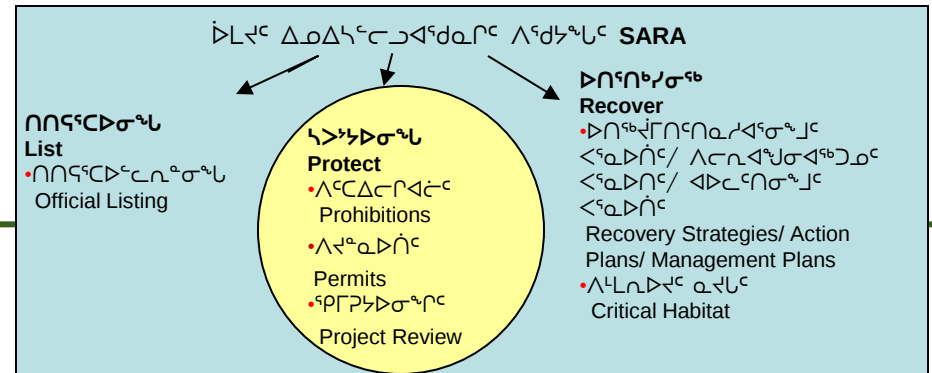
ለኖርደብረኝ

Prohibitions

Endangered/ለኖኔግቶራኝጋጅ ✓
Threatened/ላኖኖደብረኝጋጅ ✓



Endangered/ለኖኔግቶራኝጋጅ ✓
Threatened/ላኖኖደብረኝጋጅ ✓



Project Review
የፖሊስ ምርመራ

Endangered/ለኖኔግቶራኝጋጅ ✓
Threatened/ላኖኖደብረኝጋጅ ✓
Special Concern/ልገረደብረኝጋጅ ✓



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ኢትዮጵያ በጋራ ጥራት ለሕይወት
Protection for listed species

- [illegible]

Measures are in place to protect extirpated, endangered and threatened species when listed in Schedule 1 of the *Species at Risk Act*

It is an offence under the *Species at Risk Act* to:

- ɔʼɓɔɔɔ, ɔʼɓɔɔɔ, ɔʼɓɔɔɔ, ɔʼɓɔɔ ʌɔɔɔɔɔɔɔ ɔʼɓɔɔ
Kill, harm, harass, capture or take individuals
- ɔʼɓɔɔ, ɔʼɓɔɔ, ɔʼɓɔɔ, ɔʼɓɔɔɔɔɔɔ, ɔʼɓɔɔɔ
Possess, collect, buy, sell or trade an individual or its parts
- ɔʼɓɔɔ ɔʼɓɔɔ ɔʼɓɔɔɔɔɔɔɔɔɔ ɔʼɓɔɔ ɔʼɓɔɔɔɔɔɔɔ
Damage or destroy the residence of one or more individuals

ኢትዮጵያ በበላይነቷ ለተመዘገቡ ዓይነቶች

Protection for listed species

LdΔ ΔDc^qb^cC^cD^c Lc^cCDΔ^qb^cc^c<^bD^c:

These prohibitions apply:

- $CL\Delta^a\sigma$ below CJ^c and $d\cap r\triangleright\sigma^b$

On all federal lands

- [illegible]

National Parks, National Wildlife Areas, National Defense lands, and reserve lands defined in the Indian Act

- [illegible]

On federal lands in a territory under the authority of the Minister of the Environment or the Parks Canada Agency

- [illegible]

To migratory birds protected by the Migratory Birds Convention Act, 1994, anywhere they occur

- $\Delta L^{\epsilon} \Gamma \triangleright C \Delta^c > \Delta \dot{\lambda}^c \sqcup \dot{\triangleright} L \triangleleft \delta \Gamma \triangleleft^b C^{\epsilon} \Gamma^a \sigma^b$

To aquatic species anywhere they occur

*** $\Delta c^a r^a \sigma^b$ $L c^a r^c \omega^a \omega^b n^c n^d \rho^b \rho^c$ $C L^b d \sigma^a$

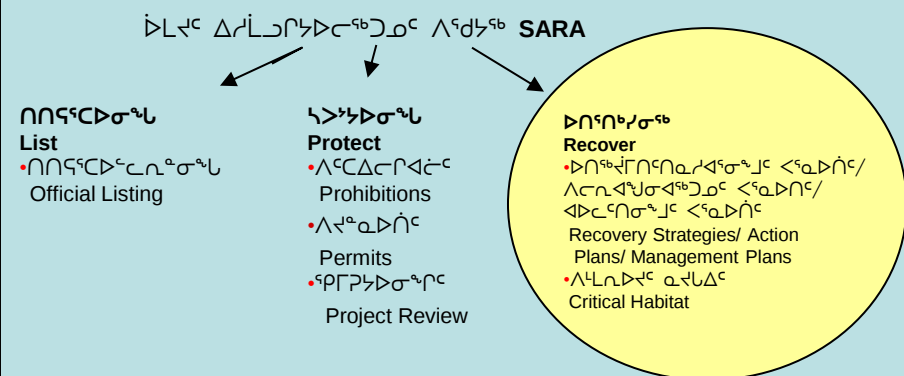
There are some exceptions to these prohibitions

[illegible]

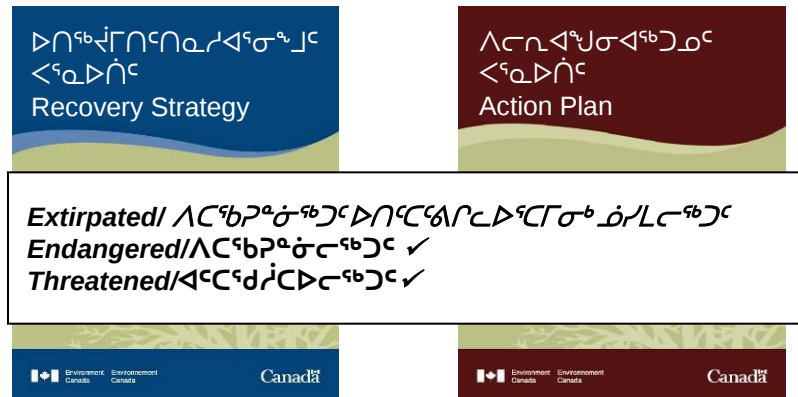
No prohibitions for species listed as special concern

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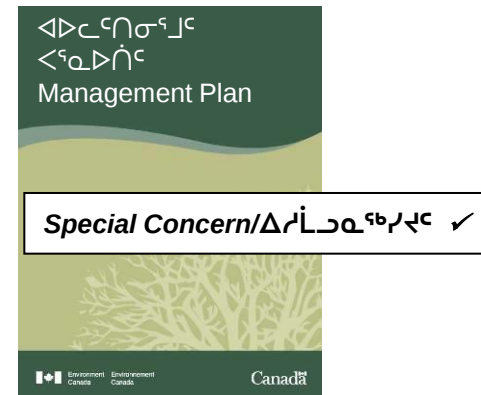
HOW DOES THE ACT RECOVER?



- በበፍሃዊ ረቀቅ ዓመት ለአስተዳደር አገልግሎት ለሚያስፈልጉ የእንስሶች እና ባሕርይ መኖሪያዎች ላይ የተፈጸሙ ምርመራዎች
Written plans to help species at risk recover



- | | |
|--|--|
| <p>• བལྟ་བུ་གི་སྒོ་ནས་ དྲི་རྒྱུ་དང་ཕྱི་རྒྱུ་</p> <p>འཛུལ་ རྩིས་ཀྱི་</p> <p>Broad recovery goals and objectives</p> | <ul style="list-style-type: none"> • དྲི་རྒྱུ་དང་ཕྱི་རྒྱུ་ཁྱོད་ཀྱི་ འཛུལ་ <p>Specific recovery actions</p> |
|--|--|

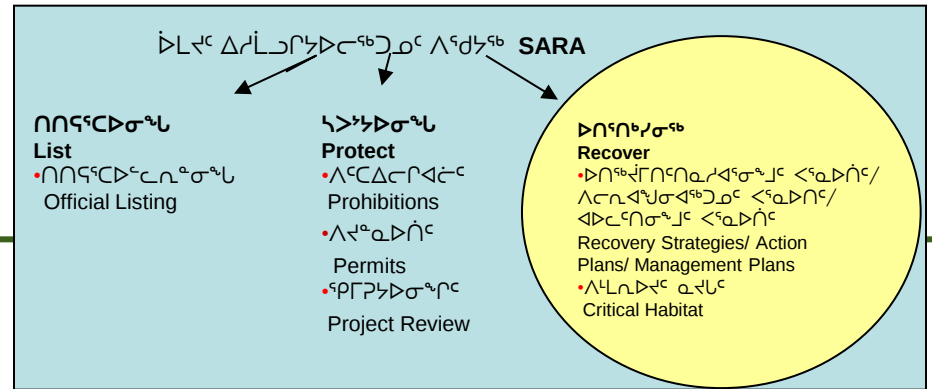


- ᐃᓄᔭᕈᑦᑐᒍᑦ ᐸᓗᓇᓂᐱᑦ ᐆᓴᓚᐅᑦ
ᐱᑖᕐᔭᕈᓐᑦᑐᑦᓂᓁᓯᑦ ᐅᔪᓛᓂ
ᐊᑖᑖᑦᓂᓲᐱᓂᓂᓁᓯᑦ
- Management actions to prevent species from becoming Endangered or Threatened**

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HOW DOES THE ACT RECOVER?

Endangered/ΛCᵇPᵃᵒCᵇᵛC ✓
Threatened/◁CᵇᵈᵇC▷CᵇᵛC ✓



- **ከፍተኛ ጥቅም ላይ የሚውል ባለሕይወት ዓክልለት**
Protect critical habitat
 - ዓክልለት ለአንድ ዓይነት ሕይወት ለመገኘት ወይም ለመሸጋገር የሚያስፈልገውን ቦታ ያሳያል
Habitat needed for survival or recovery of a listed species
 - የአካባቢ ጥበቃ ስልጣን ለሕዝብ ምክር ቤት ለመስጠት የሚያስፈልገውን ቦታ ያሳያል
Identified in recovery strategy or action plan
 - የአካባቢ ጥበቃ ስልጣን
Needs to be protected
 - ለአካባቢ ጥበቃ ስልጣን ለሕዝብ ምክር ቤት ለመስጠት የሚያስፈልገውን ቦታ ያሳያል
Once identified, protection measures will be put in place to ensure any part of critical habitat will not be destroyed

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- [illegible]

- $$\begin{aligned} & \mathcal{L}(\mathcal{L}(\Delta^c) \wedge \mathcal{L}(\mathcal{L}(\sigma^a) \vee \mathcal{L}(\sigma^b)) \supset \mathcal{L}(\sigma^c) \supset \mathcal{L}(\mathcal{L}(\mathcal{L}(\sigma^a) \vee \mathcal{L}(\sigma^b)) \supset \mathcal{L}(\sigma^c)) \\ & \supset \mathcal{L}(\mathcal{L}(\sigma^c)) \end{aligned}$$

- $\wedge^L L \cap \Delta \nabla^C \subseteq \Delta \nabla^C$

- $\Delta \lesssim \alpha \Delta \rightarrow \dot{\alpha}$

Nunavut SARA Listed Species (Terrestrial)

[illegible]

መግቢያ ስለሚገኙት የኢትዮጵያ የአገልግሎት አገልግሎት ስርዓት ስርዓት ስርዓት ስርዓት (መግቢያ)

NU COSEWIC Assessed Species (Terrestrial)

ስርዓት የኢትዮጵያ የአገልግሎት አገልግሎት COSEWIC Status	የአገልግሎት አገልግሎት Taxon	ስርዓት Species
ፈጣን ምርጫ Special Concern	በግብር Birds	ወረዳ - ልዩ ምርጫ Horned Grebe - Western population ሶኬሲ Buff-breasted Sandpiper
	ግራም ስርዓት ልዩ ምርጫ Mammals	ግራም - ልዩ ምርጫ Grizzly Bear - Western pop. የኮሎምቢያ - ልዩ ምርጫ Wolverine - Western pop.

For more information...

If you have questions, or would like to receive more information, please contact:



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ბედი ოქტომბრის ორთხიდან - დეკემბრის

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ᐱᑲᑦᐳᑦ: 867-975-4645

$${}^{\circ}b\cap C\triangleright\zeta^bd^c.$$

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[illegible]

Thank you for your interest in protecting and recovering Canada's species at risk.