

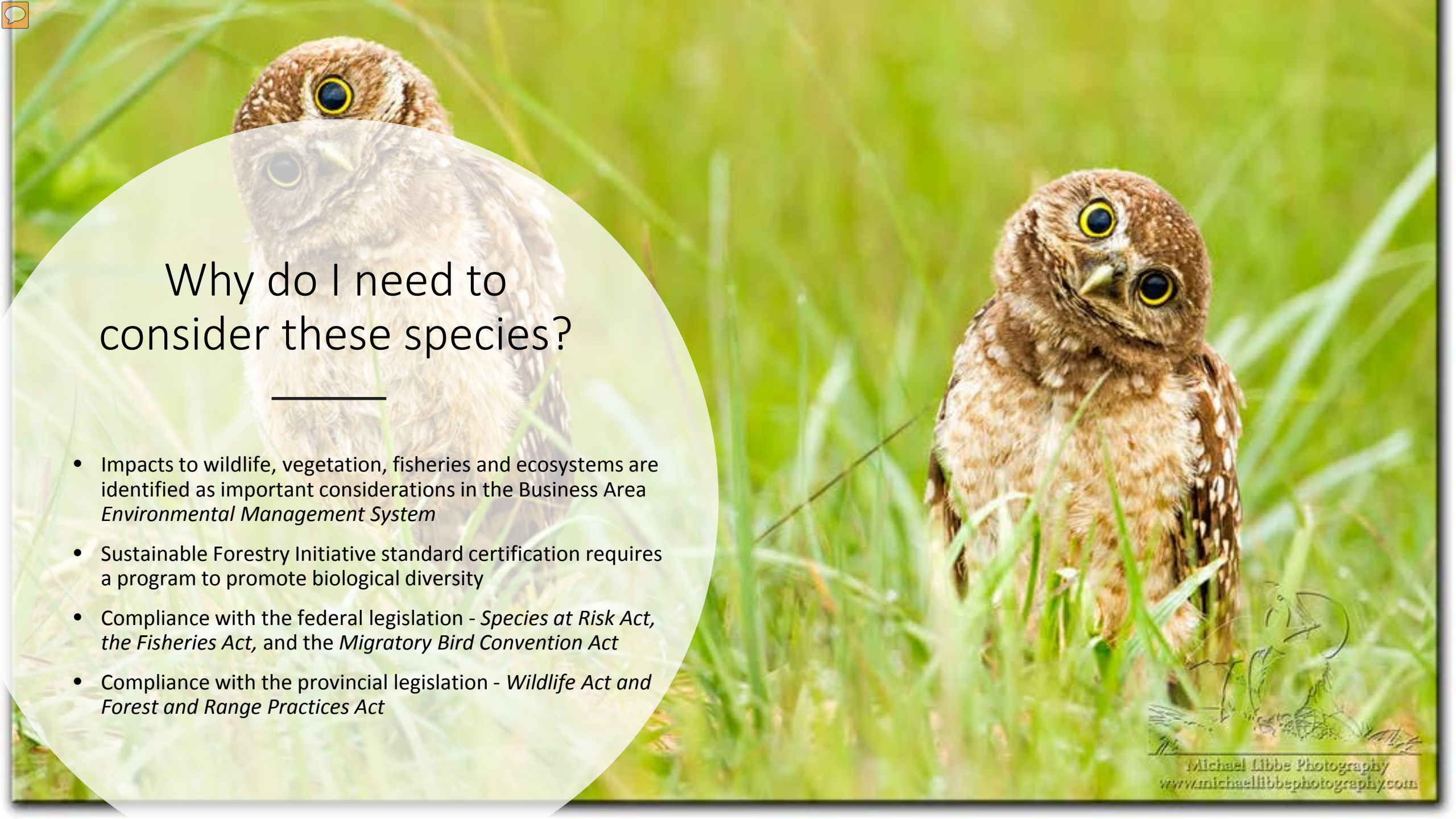
# Species and Ecosystems at Risk

These include:

- Provincially red and blue listed wildlife, plants, ecosystems
- Regionally Important Wildlife (RIW) species)
- Federally list species under R and CO E IC
- Wildlife Habitat Areas (WHA)
- Ungulate Winter Range (UWR)
- Wildlife Habitat Features(WHF)

Last reviewed: Dec 2021





## Why do I need to consider these species?

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- Impacts to wildlife, vegetation, fisheries and ecosystems are identified as important considerations in the Business Area *Environmental Management System*
- Sustainable Forestry Initiative standard certification requires a program to promote biological diversity
- Compliance with the federal legislation - *Species at Risk Act*, *the Fisheries Act*, and *the Migratory Bird Convention Act*
- Compliance with the provincial legislation - *Wildlife Act* and *Forest and Range Practices Act*

How do I find out about Species at Risk and Species of Management Concern?



[Species identified under Section 7 of the Forest Planning and Practices Regulation \(FPPR\)](#)

[Government Actions Regulation \(GAR\)](#)




[Species at Risk Act Public Registry \(SARA\)](#)

[BC Conservation Data Centre \(BC CDC\)](#)

[Species identified under Section 13 of Designation and Exemption Regulation of the Wildlife Act](#)

[Wildlife Habitat Features Order](#)

# Defining Species at Risk - Actions

Statutes & Legislation		TERM	Policy		
 Species at Risk Act	 Wildlife Act		 Conservation Data Centre	Lists	Animals
no longer exists in the wild in Canada	no definition	EXTIRPATED	Red	SX, SH	SX, SH
imminent extirpation or extinction	<u>designated</u> as an endangered species	ENDANGERED	Red	S1, S1S2, S1S3	S1, S1S2, S1S3
likely to become endangered	<u>designated</u> as a threatened species	THREATENED	Red	S2, S2?	S2, S2?
may become threatened or endangered	no definition	SPECIAL CONCERN	Blue	S2S3, S2S4, S3, S3?, S3S4, S3S5	S2S3, S2S4, S3, S3?
no definition	no definition	NOT AT RISK	Yellow	S4, S5	S4, S5

ACTIONS
Management
Recovery Planning & Implementation

Diagram illustrating the flow of actions from the table above. Blue arrows point from the 'EXTIRPATED', 'ENDANGERED', and 'THREATENED' rows to the 'Recovery Planning & Implementation' box. A blue arrow points from the 'SPECIAL CONCERN' row to the 'Management' box. A blue arrow points from the 'NOT AT RISK' row to the 'Management' box.

# Statutes & Legislation

# Processes Available for Protection of SEAR

<b>Canada Wildlife Act</b>	National Wildlife Areas
<b>Migratory Birds Convention Act</b>	Migratory Bird Sanctuaries Habitat protection requirement
<b>Species at Risk Act</b>	Habitat protection requirement



<b>National Parks of Canada Act</b>	Park Park Reserve
<b>Fisheries Act</b>	Ecologically and Biologically Significant Areas Habitat protection requirement

<b>Park Act</b>	Conservancy Class A Park Class B Park Class C Park Recreation Area
<b>Protected Areas of BC Act</b>	Conservancy Ecological Reserves
<b>Ecological Reserve Act</b>	Ecological Reserves
<b>Environment and Land Use Act</b>	Protected Areas
<b>Wildlife Act</b>	Wildlife Management Area Motor Vehicle Restricted Area Public Access Restricted Area Habitat protection requirement



<b>Land Act</b>	Reserve Withdrawal Conditional Withdrawal Land Revested in Government Notation of Interest Minister may establish FRPA objectives
<b>Water Act</b>	Habitat protection Wildlife Habitat Areas Wildlife Habitat Feature Ungulate Winter Range Fisheries Sensitive Watersheds Temperature Sensitive Streams Habitat protection - fish Habitat protection - wildlife
<b>Forest &amp; Range Practices Act</b>	

# How do I fulfill my obligations? BC- FPPR – Section 7 Notices

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Most of the species identified in Notices under the Forest Planning and Practices Regulation (FPPR) Section 7 are addressed through:

- Wildlife Habitat Areas (WHAs)
- Ungulate Winter Range orders set under the Government Action Regulation

It is always a good practice to review the Notices just in case there have been changes:

- [FPPR Section 7 - Species at Risk Notices](#)
- [FPPR Section 7 - Ungulate Winter Range Notices](#)

[General Information on FPPR Section 7 notices and Objectives set by Government for Wildlife](#)



# How do I fulfill my obligations? BC- GAR

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Under the *Forest & Range Practices Act*, the [Government Actions Regulation](#) (GAR) directs how the B.C. provincial government establishes land designations or stewardship measures for forest and range values.

Species specific Orders under Government Actions Regulation (GAR) are:

- [Wildlife Habitat Areas](#) (WHA)
- [Wildlife Habitat Features](#) (WHF)
- [Ungulate Winter Range](#) (UWR)



# Federal- SARA

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The Species at Risk Act legally assigns national biological conservation status to species in Canada

Section 32: prohibits the killing, harming, harassing, capturing, taking, possessing, collecting, buying, selling or trading of any species listed as *Extirpated*, *Endangered* or *Threatened*.

Section 33: prohibits the damage or destruction of the residence of any species listed as *Endangered* or *Threatened* (or *Extirpated* if an recovery strategy has recommended reintroduction).

If the species is a migratory bird or an aquatic species then s.32 and s.33 apply on all lands and waters in Canada. Only if placed under an Order (e.g., s. 60, s.61, s.80) will these prohibitions apply off of federal lands for species other than migratory birds and aquatic species.





# Conservation Status Categories SARA and COSEWIC

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**Extinct (X):** species no longer exists

**Extirpated (XT):** species no longer exists in the wild in Canada but exists elsewhere

**Endangered (E):** species is facing imminent extinction or extirpation

**Threatened (T):** species may become endangered if limiting factors for survival are not reversed

**Special Concern (SC):** species may become threatened or endangered due to biological factors and identified threats

**Not-at-Risk (NAR):** species is determined to not be of conservation concern

**Data Deficient (DD):** species lacks sufficient data to determine a conservation status



# Species at Risk in BC

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- Provincial red- and blue-listed species and federal SARA-listed species warrant special consideration in planning and development.
- In British Columbia, specialists with the [Conservation Data Centre](#), in consultation with other experts, assign species conservation status ranks. The Red and Blue lists provide a list of species for consideration for more formal designation as Endangered or Threatened, either provincially under the *British Columbia Wildlife Act*, or nationally by the *Committee on the Status of Endangered Wildlife in Canada* (COSEWIC).
- The BC Conservation Data Centre has the most complete list of species of concern and will be our main source for designation information.



# Conservation Data Centre

The BC Conservation Data Centre (CDC) assess the provincial conservation status, track changes of conservation status, and provide biological and status information about species in BC

Colour-coded status categories:

**RED:** any indigenous species, sub-species or ecological community that is *Threatened, Endangered, or Extirpated* in BC


**BLUE:** any indigenous species, sub-species or ecological community that is considered *Vulnerable (Special Concern)* in BC

**YELLOW:** ecological communities or indigenous species which are not at risk in BC

[BC Species and Ecosystems Explorer](#)

[CDC iMap](#)





## At the planning stage...

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### Identify:

- Which species are likely to occur in the area?
- Habitat requirements? WHA? WHF?
- Sensitivities? (water, wetlands, rare/unique ecosites)

### Tools:

[Habitat Wizard](#), [BC Species and Ecosystems Explorer](#) and [CDC iMap](#) / Field Team mxds



## During crafting of the site plan ...

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- Review any operational requirements or constraints specific to an activity or location for species that were identified either in the field or during the planning phase
- Review associated requirements or management strategies
- Review Forest Stewardship Plan and operational planning maps

# REPORTING and NOTIFICATION

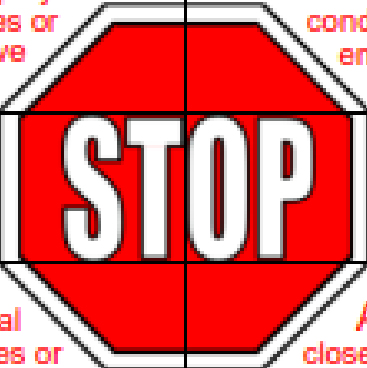
If a Species of Management Concern (SMC) or Wildlife Habitat Feature (WHF) is identified in the field...

## STOP WORK AND CONTACT YOUR SUPERVISOR IF:

You're uncertain of the project plan, your responsibilities or hazardous/ sensitive areas.

You observe unfavourable conditions that could cause environmental damage.

A previously unidentified resource feature is found.




Species at risk sightings.

Hazardous material spills, uncontrolled fires or landslides occur.

Any safety hazards, close calls/ near misses or accidents that occur.



A person wearing a brown hat and a dark jacket is sitting on a rocky, uneven terrain. They are holding a red pen and writing in a blue notebook. The background consists of dark, jagged rocks and some sparse, dry vegetation. A large, semi-transparent circular graphic is overlaid on the left side of the image, containing text and a list of instructions.

**If a Species of Management Concern (SMC) or Wildlife Habitat Feature (WHF) is identified in the field...**

- **NOTIFY BCTS Project Supervisor ASAP**
- **Observations:**
  - Location (GPS, or map location)
  - Date of observation
  - Species
  - Number of individuals seen or heard
- **Collect helpful information:**
  - Name and contact info
  - Habitat
  - Land status (crown, federal, private)
  - Adjacent landscape (i.e. roads, disturbance)
  - Habitat quality
  - Health of species (live, dead, sick ,injured)
  - Photos

## If you are the BCTS Project Supervisor...

Does this occurrence require action?

- 1- timing restrictions?
  - 2- buffers?
  - 3- Reporting to CDC / Habitat Officer?
  - 4- If unsure, contact a Registered Professional Biologist (RPBio)
- as required, submit this information to the BC Conservation Data Centre through the following website:

### [Incidental Wildlife Observations](#)

- Print a copy of the report
- Scan to .pdf with the date: (e.g. Western Toad\_aug8\_2016) and file it in the following directory:

BCT E - ETHIO E Incidental  
Observation Forms





# Stay Current!

- Species conservation status can change depending on the immediacy of population declines, identified threats, and addition of new information

## Examples:

- three species of bats were added to the SARA Schedule 1 listing as *Endangered* after white-nose syndrome was identified as an imminent threat to species survival.
  - Rocky Mountain Tailed Frog status downgraded from *Endangered* to *Threatened*
  - Western Toad was a blue-listed species when the Field Guide was created in 2014, is now listed provincially as yellow.
- WHF, WHA, UWR information may change as new information is compiled, priorities shift, policy changes, etc.



# Once again ... links to important sites

## Provincial information

- [Species identified under Section 7 of the \*Forest Planning and Practices Regulation\*](#)
- [Government Actions Regulation \(GAR\)](#)
- [Species at Risk Act Public Registry \(SARA\)](#)
- [BC Conservation Data Centre \(BC CDC\)](#)
- [Species identified under Section 13 of Designation and Exemption Regulation of the \*Wildlife Act\*](#)
- [BCTS EMS website](#)





Rocky Mountain Tailed Frog

Gary Nafis



Little Brown Myotis

Joe Kosack/PGC Photo

# Species of Management Concern

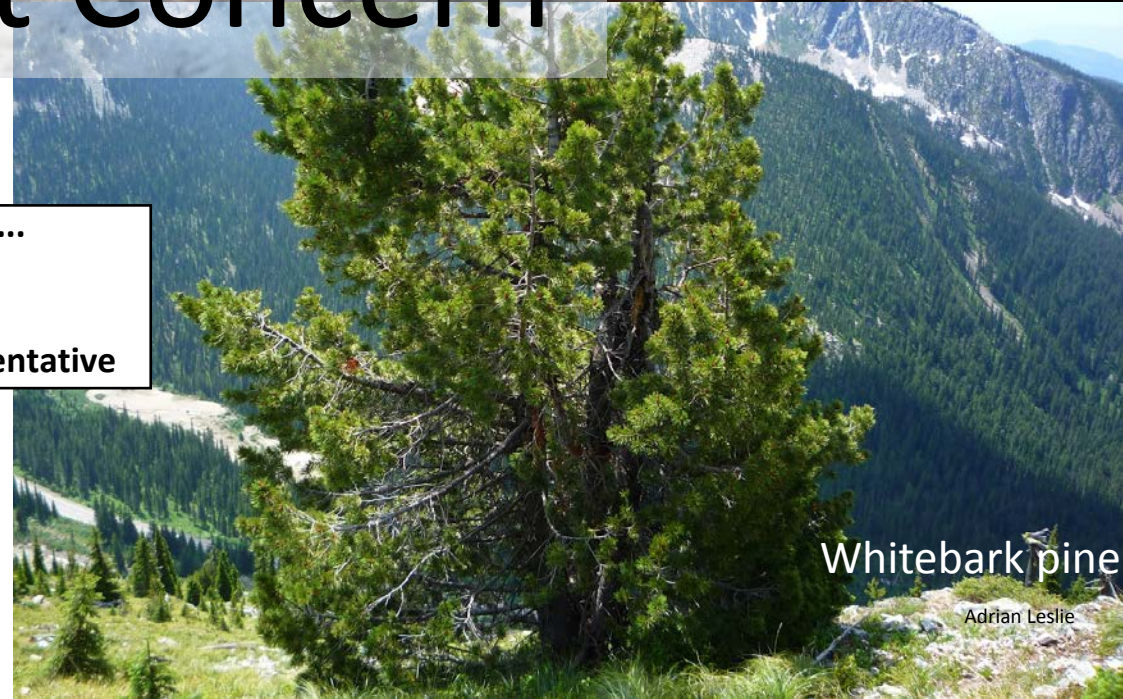


Western Screech-owl

Laura Keene

Just a few examples...

Questions:  
Contact your BCTS representative



Whitebark pine

Adrian Leslie