



Important: In this PDF version of training, you can read the presentation transcript and notes by clicking the note icon on the top left of each slide.

Species of Management Concern: Awareness Training

BCTS Chinook
November 30, 2023



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SOMC Awareness Training Overview

- Introduction & awareness!
- What are Species of Management Concern?
- Why protect them?
- Legislation – Federal and Provincial
- SFI Certification
- Business Area SOMC Focus Species
- Reporting SOMC
- Identification Resources



What are Species of Management Concern?



Species, ecosystems, habitats, or wildlife feature that occurs within BCTS operating areas and can be adversely affected by forestry.



What are Species of Management Concern?



Species, **ecosystems**, habitats, or wildlife feature that occurs within BCTS operating areas and can be adversely affected by forestry.



At-Risk Ecological Communities (AREC)

Examples	Status	BEC association	District
Western Redcedar/ Devil's Club	Red listed	CWHds1/07; CWHds2/07	DCK, DSQ, DSC
Red alder/ Salmonberry/ Common horsetail	Blue listed	CDFmm/09; CDFmm/Fl51; CWHvh1/10; CWHvh1/Fl51; CWHvh2/10; CWHvh2/Fl51; CWHwh1/09; CWHwh1/Fl51	DCK, DQC, DSC



Important BCTS Resources:

1. AREC Field Confirmation Procedures
2. AREC Management Guidance



Staff access: <https://intranet.gov.bc.ca/for/bcts/sustainability/sustainability/at-risk-ecological-communities>

[Ministry of Forests](#) > [BC Timber Sales](#) > [Sustainability and forestry](#) > [Sustainability](#) >

▸ [Species of management concern](#)

▾ [At risk ecological communities](#)

[AREC focus lists](#)

[AREC field confirmation procedures](#)

[AREC program implementation](#)

[AREC awareness training](#)

At risk ecological communities



On this page:

- [Species of Management Concern Guide](#)
- [Master AREC list](#)
- [AREC risk rating system](#)

Sustainable forest management in B.C.

Sustainable forest management is one of the three overarching principles that govern all BC Timber Sales (BCTS) activities. As manager of approximately 20% of provincial public forest land, BCTS has both legal and stewardship obligations to manage and conserve ecosystems and habitats that might occur within BCTS operating areas and be adversely affected by

What are Species of Management Concern?



Species, ecosystems, habitats, or wildlife feature that occurs within BCTS operating areas and can be adversely affected by forestry.

- Legislation
- SFI requirements
- Not at-risk, but locally identified for social/economic reasons



Legislation

Wildlife Act

FRPA s. 7

GAR Orders

Species at Risk Act

Identified Wildlife
Management Strategy



Federal Legislation

Federal Legislation	Protection	What does it apply to?	Where does it apply?
<i>Species at Risk Act</i>	<ul style="list-style-type: none">• The legislation that legally assigns the national biological conservation status of species based on advice of COSEWIC• Provides legal protection of species listed in Schedule 1, their residences and critical habitat if located on federal land.• Critical habitat is designated for species listed as Endangered or Threatened	<ul style="list-style-type: none">• Applies to species listed in Schedule 1 as Endangered, Threatened and Special Concern• Currently SARA only includes species and does not include ecological communities	<ul style="list-style-type: none">• Aquatic species and migratory birds – everywhere• All other species – federal lands only
<i>Migratory Birds Convention Act</i>	<ul style="list-style-type: none">• Designates the migratory birds that the act applies to• Protects migratory birds and their nests when they contain a live bird or a viable egg• The new Migratory Birds Regulations (2022) includes a list of 18 species whose nests are reused and are protected year-round, unless they have been shown to be abandoned	<ul style="list-style-type: none">• Applies to migratory birds identified under the Act• Some examples of groups it does not apply to are owls, jays, crows, ravens, hawks and eagles• The nests of the 18 species identified in Schedule 1 of the MBR are protected year-round	<ul style="list-style-type: none">• Applies on all lands and all tenures in Canada

Provincial Legislation

Provincial Legislation	Protection	What does it apply to?	Where does it apply?
<i>Wildlife Act</i>	<ul style="list-style-type: none"> Prohibits the hunting, trapping, wounding of endangered or threatened species and all native wildlife species (S.26) Protects a bird or its egg, the nest of an eagle, peregrine falcon, gyrfalcon, osprey, heron or burrowing owl or the nest of a bird not referred to when the nest it occupied by a bird or its egg (S.34) 	<ul style="list-style-type: none"> All native species. Designated endangered or threatened species (S.13) include Burrowing Owl, Sea Otter, Vancouver Island Marmot, American White Pelican Nests of eagles, peregrine falcons, osprey, herons or burrowing owls Active nests of all bird species 	Everywhere in BC
<i>Forest and Range Practices Act</i>	<ul style="list-style-type: none"> Section 7 Notices are objectives set by government for consideration during forestry planning (result of strategy in FSP) 	<ul style="list-style-type: none"> Provincially designated species at risk Regionally important wildlife (none currently identified) Winter survival of specified ungulate species (GAR S.12) 	Provincial Crown Land
Identified Wildlife Management Strategy supported by the <i>Government Actions Regulation</i>	<ul style="list-style-type: none"> IWMS (2004) is policy used to establish Wildlife Habitat Areas (GAR S.10) and the implementation of general wildlife measures (GAR S.9) for species designated as identified wildlife that are affected by forest or range operations 	<ul style="list-style-type: none"> Identified Wildlife = Species at Risk and Regionally Important Wildlife Includes plant communities 	Provincial Crown Land
<i>Government Actions Regulation</i>	<ul style="list-style-type: none"> Identify wildlife habitat features (GAR S.11) such as a fisheries sensitive feature, a marine sensitive feature, as significant mineral lick or wallow, the nest of a bald eagle, osprey, great blue heron or a category of species at risk that is limited to birds, any other localized feature. 	<ul style="list-style-type: none"> Various species Specifically named species in GAR S.11(d) include bald eagle, osprey, great blue heron Currently only designated in the Kootenay Boundary region 	Provincial Crown Land



SUSTAINABLE FORESTRY INITIATIVE

SFI-00001

Objective 4. Conservation of Biological Diversity

Performance Measure 4.2: Certified Organizations shall protect threatened and endangered species, critically imperiled and imperiled species (Forests with Exceptional Conservation Values), and natural communities and old-growth forests.

- Indicator 4.2.1: Program to protect threatened and endangered species.
- Indicator 4.2.2: Program to locate and protect known sites of flora and fauna associated with viable occurrences of critically imperiled and imperiled species and ecological communities, defined as Forests with Exceptional Conservation Value.

SFI Criteria

- SARA schedule 1
- FRPA/FPPR, Section 7, GAR
- Identified Wildlife Management Strategy
- BC Wildlife Act species

- BC red or blue list
- NatureServe Global
(G1/G2 /S1/S2)





Why protect SOMC?



- Achieve sustainable forest management goals
- To maintain biological diversity
- To comply with federal legislation
- To comply with provincial legislation
- To maintain Sustainable Forestry Initiative (SFI) certification



The Chinook SOMC Program



1. Standard Operating Procedure
2. Tracking Form
3. Focus Lists
4. Operator Awareness Sheet
5. Field card packages



Water management



Business area certification

Expand All | Collapse All

Babine (TBA)



Cariboo-Chilcotin (TCC)



Chinook (TCH)



Species of management concern

- [TCH Species of Management Concern Focus List DQC \(PDF, 1.2MB\)](#)
- [TCH Species of Management Concern Focus List DCK, DSQ, DSC \(PDF, 1.2MB\)](#)
- [TCH Operator Awareness Sheet \(PDF, 612KB\)](#)
- [TCH SOMC & AREC Tracking Form \(PDF, 173KB\)](#)
- [TCH Species of Management Concern Standard Operating Procedure 2023 \(PDF, 230KB\)](#)



BCTS
BC Timber Sales

Species of Management Concern &
At-Risk Ecological Communities
Standard Operating Procedure
Chinook Business Area
2023-11-14

INTRODUCTION

This Species of Management Concern (SOMC) and At-Risk Ecological Communities (AREC) Standard Operating Procedure (SOP) is intended to provide guidance to all BCTS Chinook staff, contractors, licensees, and permittees. BCTS is committed to managing Species at Risk identified through federal and provincial legislation, as well as to meet Sustainable Forest Management certification requirements. Additionally, some species and species habitat features do not have legal requirements but are still recognized by BCTS as needing additional management guidance. **Collectively, these species & habitats are referred to as SOMC.** The corporate framework on the development of SOMC programs is outlined in the provincial [BCTS SOMC Guide](#)

(https://intranet.gov.bc.ca/assets/intranet/flnrord/bcts/tos/sustainability/somc/somc_program_guide.pdf). AREC are currently included as part of the SOMC program as defined above, but have unique field confirmation procedures and implementation guides, available on the Provincial AREC website (<https://intranet.gov.bc.ca/for/bcts/sustainability/sustainability/at-risk-ecological-communities>)

SCOPE

This SOP covers all aspects of forestry planning, block and road development, and silviculture. It includes and applies to relevant Business Area (BA) staff, licensees, and contractors working for BCTS Chinook.



BCTS
BC Timber Sales

Species of Management Concern &
At-Risk Ecological Communities
Tracking Form
Chinook Business Area
2023-11-21

FORM INSTRUCTIONS

Please fill out this form & submit to BCTS, for each BCTS development, at each of the four development stages, following the [Species of Management Concern & At-Risk Ecological Communities Standard Operating Procedure](#). This form is also for incidental observations. BCTS staff must save a copy of this form, with any photo and spatial data, in the SOMC tracking folder:

<\\sfp.idir.bcgov\s164\S63062\BCTS\10050-ForestCertification\02-Procedures\SOMC tracking>

LOCATION

Licence / Block or Road Number	
Name / Company	
Date Form Completed	

DEVELOPMENT STAGE

Please select one.

- 0 Incidental Observation
 1 Planning
 2 Layout & Development
 3 Final TSL Package **perform CDC check for updates only at this stage*
 4 Silviculture

SPECIES OF MANAGEMENT CONCERN CHECKLIST

Please review the current BCTS Chinook focus list, found on the [BCTS Chinook EMS website](#).

Data Check Complete: Does the iMap tool from the [Conservation Data Centre \(gov.bc.ca\)](#) indicate the presence of any species or ecosystems listed in the current BCTS Chinook focus list? Note: you may



Category	Common Name	Scientific Name	Reason for Inclusion or Non-Inclusion as Focus Species
Amphibians	Western toad	<i>Anaxyrus boreas</i>	Actively managed by BCTS
Birds	Ancient murrelet	<i>Synthliboramphus antiquus</i>	Identified Wildlife Species in 1 or more BCTS Business Areas
	Bald eagle	<i>Haliaeetus leucocephalus</i>	Species Identified in Wildlife Act
	Barn swallow	<i>Hirundo rustica</i>	Actively managed by BCTS
	Great blue heron, fannini subspecies	<i>Ardea herodias fannini</i>	Species Identified in Wildlife Act; HGLUO
	Marbled murrelet	<i>Brachyramphus marmoratus</i>	High Risk Rank
	Northern saw-whet owl, brooksi subspecies	<i>Aegolius acadicus brooksi</i>	High Risk Rank; HGLUO
	Northern goshawk, laingi subspecies	<i>Accipiter gentilis laingi</i>	HGLUO, IWMS, Red list, schedule 1 T
Peregrine falcon, pealei subspecies	<i>Falco peregrinus pealei</i>	Species Identified in Wildlife Act	
Gastropods	Haida Gwaii Slug	<i>Staalaa gwaii</i>	High Risk Rank
Mammals	Ermine, haidarum subspecies	<i>Mustela erminea haidarum</i>	Actively managed by BCTS
	Little brown myotis	<i>Myotis lucifugus</i>	Actively managed by BCTS
	Black bear	<i>Ursus americanus</i>	HGLUO
Ray-finned fishes	Cutthroat trout, clarkii subspecies	<i>Oncorhynchus clarkii clarkii</i>	Actively managed by BCTS
Bryophytes	Dalton's moss	<i>Daltonia splachnoides</i>	High Risk Rank
	Drooping-leaved beard-moss	<i>Oxystegus recurvifolius</i>	High Risk Rank
Lichens	Considerable gingerbread	<i>Pannaria rubiginosa</i>	High Risk Rank
	Flaking tarpaper	<i>Collema flaccidum</i>	High Risk Rank
Vascular Plants	Aleutian adder's-mouth orchid	<i>Malaxis diphyllas</i>	High Risk Rank
	Fairy-slipper	<i>Calypso bulbosa</i>	HGLUO Class 1 Traditional Forest Feature
	Black hawthron	<i>Crataegus douglasii</i>	HGLUO Class 1 Traditional Forest Feature
	Devil's club	<i>Oplopanax horridus</i>	HGLUO Class 1 Traditional Forest Feature



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	Barn swallow		BCTS
	Great blue heron		Wildlife Act; HGLUO
	Marbled murrelet		
	Northern saw-whet		O
	Northern goshawk		st, schedule 1 T
	Peregrine falcon		Wildlife Act
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Focus List Development:
Risk Ranking





4



Species of Management Concern Field Guide - Mainland

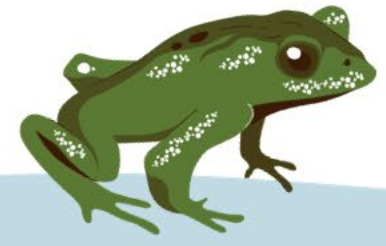
BCTS Chinook
November 23, 2023

Species	Habitat	Identification
 <p>The image shows a large Western toad with dark, bumpy skin and a prominent yellow stripe running down its back, resting on a piece of wood. Below it, a person's hand is shown holding several small, dark tadpoles.</p>	<p>Western toad <i>Anaxyrus boreas</i></p>	<ul style="list-style-type: none"> - Forest, wetlands, grassland, meadows, shrub lands, or subalpine or alpine meadows and dry habitats - Usually not far from water <ul style="list-style-type: none"> - Skin dry with bumpy warts, coloration light to dark green to brown or even reddish - Distinguished by cream-colored to white stripe down the length of back - Tadpoles are black or dark brown and relatively small (1.2-3 cm, 2.5-3 cm total length prior to metamorphosis)
 <p>The image shows a Pileated woodpecker with a prominent red crest and black and white plumage, perched on a tree trunk.</p>	<p>Pileated woodpecker <i>Dryocopus pileatus</i></p> <p>*N/A on Haida Gwaii*</p>	<ul style="list-style-type: none"> - Forest birds that require large, standing dead trees and downed wood - Prefers live hardwoods for nesting, especially trembling aspen and black cottonwood, but paper birch, red alder and maple are also used. Conifers are used but less frequently <ul style="list-style-type: none"> - Very large woodpecker - Long, chisel-like bill - Triangle crest on head - Mostly black with white stripes on the face and neck and a flaming-red crest - In flight, wings are broad and crow-like with large white patches on underside of wing

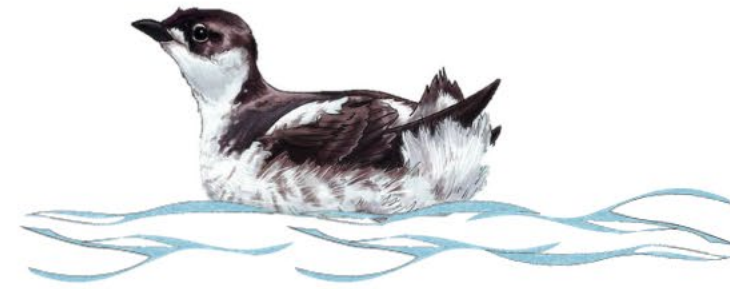
Focus Lists

Plants & Animals	DCK, DSQ, DSC	DQC
Amphibians & reptiles	6	1
Birds	14	8
Gastropods	1	1
Insects	2	N/A
Mammals	12	3
Fishes	2	1
Bryophytes	2	2
Lichens	6	2
Vascular Plants	6	22
At-risk ecological communities	262	30





a peak into the focus lists...





focus highlight

amphibians of Haida Gwaii



Western Toad



Northern red-legged frog

focus highlight

Oregon forest snail



© Robert Forsyth



Dun skipper



Johnson's
hairstreak





Ancient Murrelet



Northern Saw-whet owl



Spotted owl



Olive-sided flycatcher



Marbled Murrelet



Western screech owl



Common nighthawk



Barn swallow

focus highlight

Pileated woodpecker





Great blue heron



Peregrine falcon



Bald eagle (mature)

Bald eagle (immature)



Gyr falcon



Northern goshawk



Osprey





Grizzly bear



Mountain beaver



Mountain goat



Southern red-backed vole



Wolverine



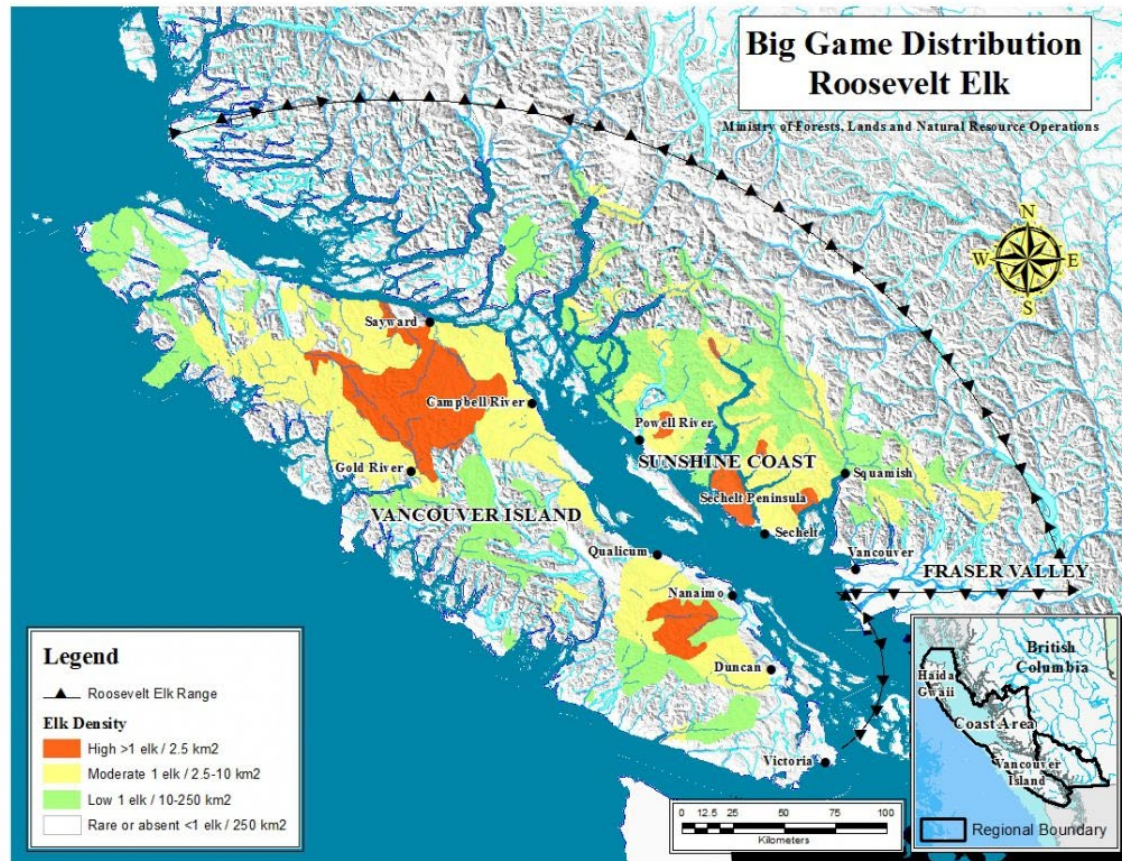
Moose



Fisher

focus highlight

Roosevelt elk



focus highlight



Bear dens



focus highlight

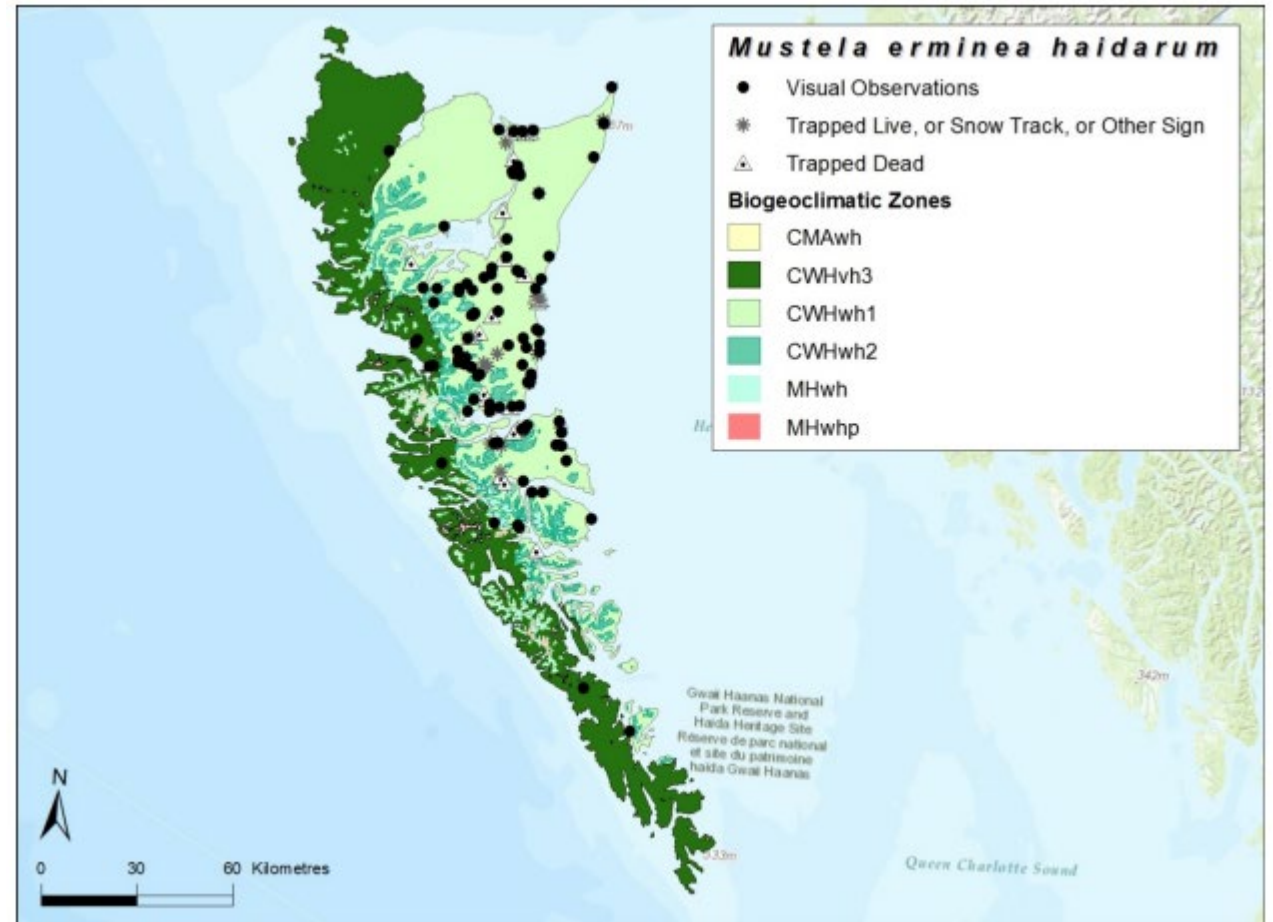
Bats



focus highlight



Haida Ermine



DCK, DSQ, DSC Bryophytes



Roell's brotherella



Silver hair moss

DCK, DSQ, DSC Lichens



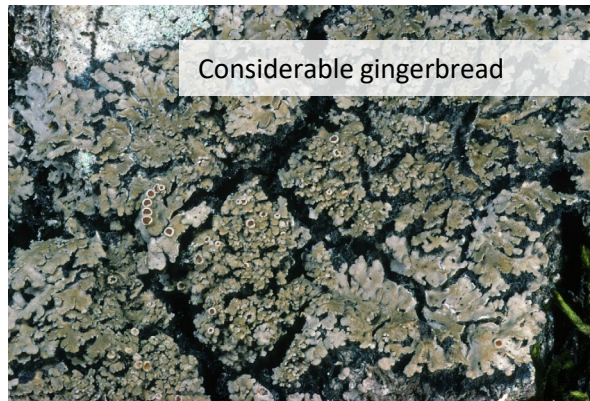
Old growth lung



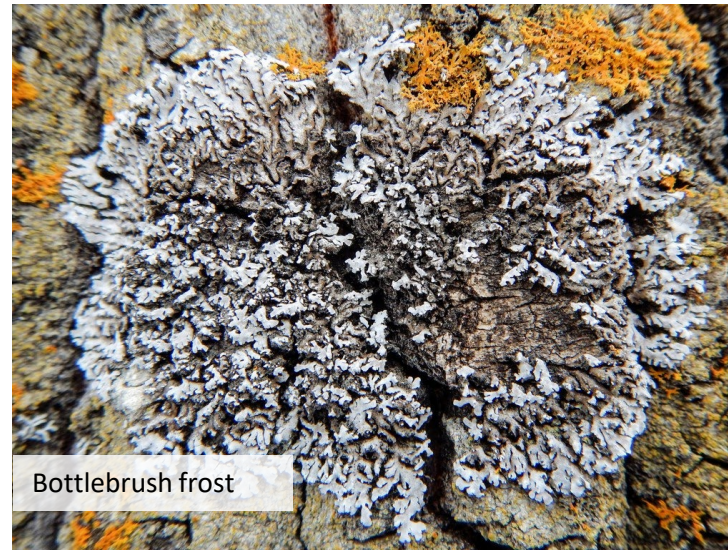
Mountain crab-eye



Cryptic paw lichen



Considerable gingerbread



Bottlebrush frost



Flaking tarpaper



1 DCK, DSQ, DSC Plants



Cascade rockcress



Near navarretia



Mountain holly fern



2 DCK, DSQ, DSC Plants





Haida Gwaii Bryophytes & Lichens



Dalton's moss



Drooping-leaved beard-moss

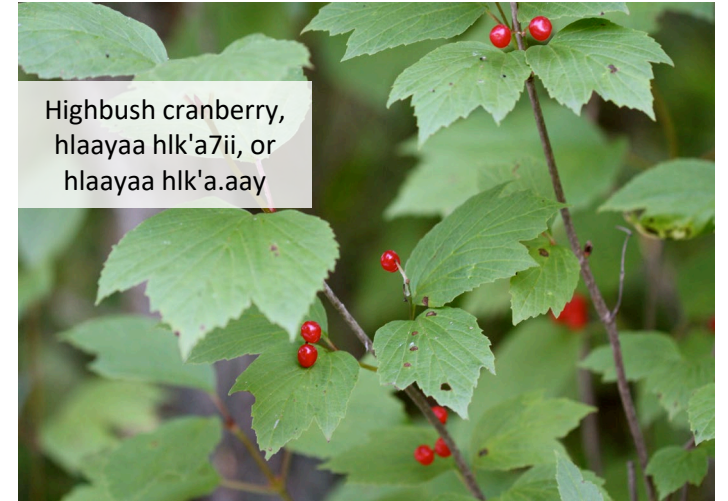
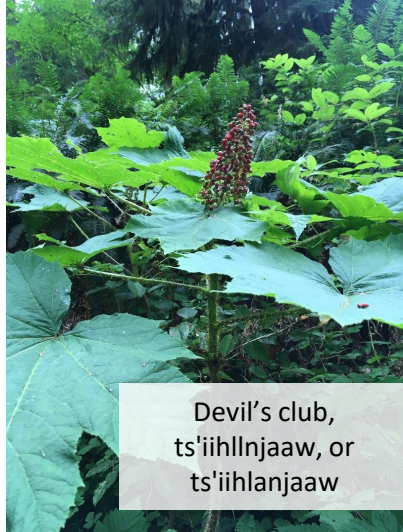
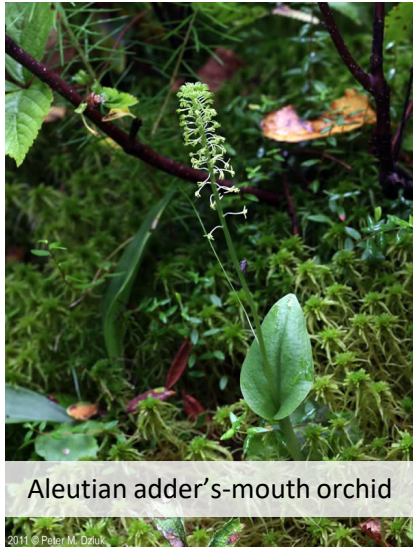


Flaking tarpaper



Considerable gingerbread

1 Haida Gwaii Plants



2

Haida Gwaii Plants



Richardson's geranium



Western cowbane



Common juniper, kaayda kaxawaay, or
hIk'am.aal I



Common harebell, dal(xil)-guhlahl



Pacific crabapple, k'anhI7I, or
k'ayanhla



Stinging nettle,
gudang.xaal, or
gudang.aal

3

Haida Gwaii Plants



Yellow pond-lily, xil gaaydlgins, or xil giidlagang



Stink currant, galgun xil, gal.un hlk'a.aay



Wright's filmy fern



Indian hellboure, gwaayk'yaa, or gwaayk'aa



Black swamp gooseberry, gudga gi gayd, or xaayuwaa



Fairy slipper,
skil taawaatlIxaay, or skil taw



Northern rice-root,
7inhllng, or
stla k'iist'aa

At-Risk Ecological Communities (AREC)

Examples	Status	BEC association	District
Western Redcedar/ Devil's Club	Red listed	CWHds1/07; CWHds2/07	DCK, DSQ, DSC
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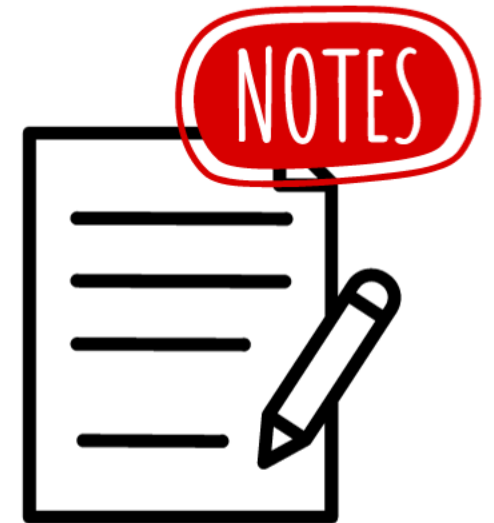
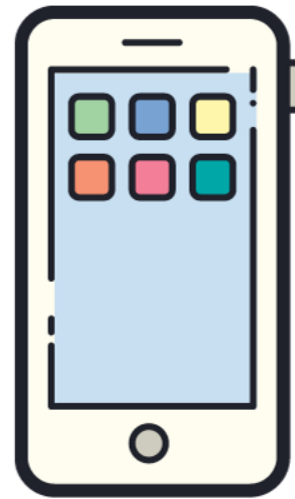


Important BCTS Resources:

1. AREC Field Confirmation Procedures
2. AREC Management Guidance



What to do if you observe an SOMC



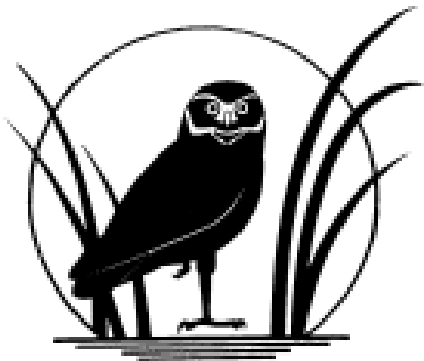
Reporting

1. Contact **BCTS**

Consultants/contractors - email your contract supervisor
BCTS – notify practices/planning foresters

2. **Tracking & Reporting Form**

3. Submit to the **BC Conservation Data Centre**






SOMC Program Resources

- External EMS website (**SOMC documents here**): <https://www2.gov.bc.ca/gov/content/industry/forestry/bc-timber-sales/forest-certification/ems-sfm#mandatory>
- **AREC field confirmation procedures and management guidance:** <https://intranet.gov.bc.ca/for/bcts/sustainability/sustainability/at-risk-ecological-communities>
- **BC Conservation Data Center (CDC)** : <https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/conservation-data-centre>
- **Submit SOMC data** to the CDC : <https://www2.gov.bc.ca/gov/content/environment/plants-animals-ecosystems/wildlife/wildlife-data-information/submit-wildlife-data-information>

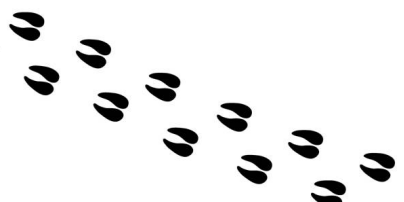
Additional Resources & ID Support

Merlin Bird ID (App)	
iNaturalist (App)	
Seek (App)	
South Coast Forest Snail ID (PDF)	https://www.sccp.ca/app/snail-id-tips
Coastal Black Bear Den ID Manual (PDF)	http://artemiswildlife.com/AWC_Bear_Den_ID_manual_v2.pdf
BC Fisher Working Group (website)	https://www.bcfisherhabitat.ca/
Regional Amphibian ID Keys (PDF)	https://bcreptilesandamphibians.trubox.ca/identification-keys-amphibians/
BC Community Bat Programs (website)	https://bcbats.ca/

Training Checklist



- ✓ watch the training presentation
- review the EMS documents!
- contact Viviana to have your name recorded





Chinook Contacts

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Provincial Operations Contact

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