

Protecting Species and Spaces on BC's south Coast : Species at risk in the Classroom



SOUTH COAST CONSERVATION PROGRAM

Protecting and Restoring at Risk Species and Ecological Communities on BC's South Coast

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Program Coordinator.
South Coast Conservation Program**

SCCP history and objectives

- Established in 2005
- Multi-partner or “joint venture” approach (senior agencies, stewardship groups, industry, academia, First Nations)
- Facilitate implementation of sound conservation and management tools for species and ecosystems at risk.
- Work at a landscape (“eco-regional”) level across the South Coast of British Columbia.
- Foster stewardship on public & private lands

Key narratives:

- What are species at risk (also called endangered species)?
- Why do plants and animals become endangered?
- How can we help protect them?



South Coast Stats: Provincially threatened, endangered and special concern: 268. Federally (SARA) threatened, endangered and conservation concern: 57 (+ three extirpated)

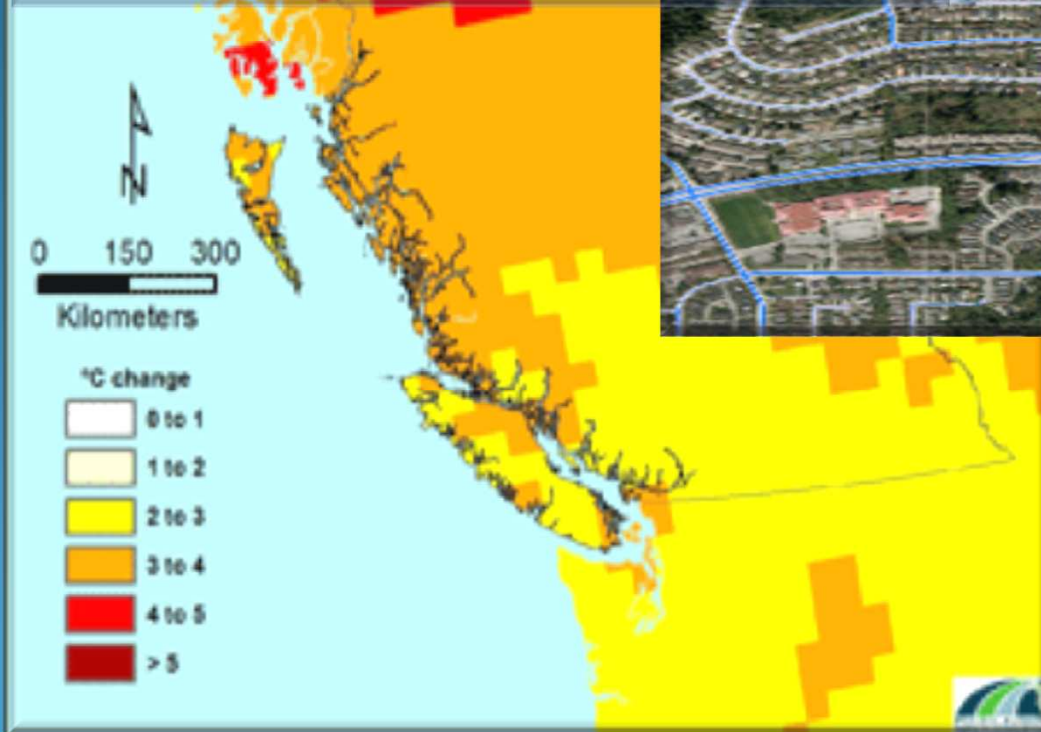
Species at Risk in our Backyard

Where we live – the South Coast, nearly 2.5 million people and expected to double by 2036

The Challenges We Face:

The rapid loss of species we are seeing today is estimated by experts to be between 1,000 and 10,000 times higher than the *natural extinction rate*.


*Source: World Wildlife Fund



Core Program Streams

SOUTH COAST ENVIRONMENTAL STEWARDSHIP PROGRAM


Nature Steward



www.sccp.ca

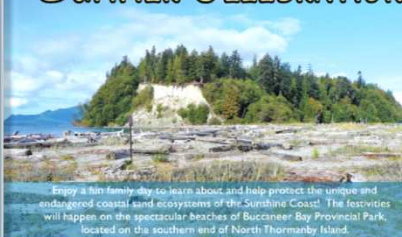
Species at Risk in the Classroom

A Guidebook for Educators



COASTAL SAND SUMMER CELEBRATION

JULY 20 & 21, 2013
BUCCANEER BAY PROVINCIAL PARK



Enjoy a fun family day to learn about and help protect the unique and endangered coastal sand ecosystems of the Sunshine Coast. The festivities will happen on the spectacular beaches of Buccaneer Bay Provincial Park, located on the southern end of North Thormanby Island.

Saturday, July 20
Family Festival Day
11am to 4pm
Activities will include: Information booths, guided naturalist walks, hotdog BBQ & nature games with prizes. All are welcome.

Sunday, July 21
Habitat Restoration Day
10am to 1pm
Help to rid the park of invasive Scotch broom. Tools and supplies provided. No experience necessary. Registration required.

For more information, call 604-202- email tamsin@sccp.ca or visit www.sccp.ca

Species Are Sacred
A Stoá world view on Species At Risk in S'ólh Témáxw (Fraser Valley)

Oral traditions have been instrumental in forming and maintaining the foundation of Stoá & Coast Salish society. There has always been value in acknowledging the connection that elders have with their children and grandchildren, to experience the sharing of historical understanding through story, uniting past and present. Sharing history through oral society means expressing one's world view, which is a comprehensive, diverse perspective that balances the physical, spiritual and intellectual worlds. World view translates to a living knowledge of resources that reflects thousands of years of observation and connection.

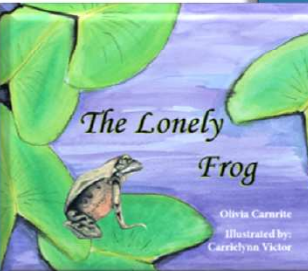
Ancestors of the Coast Salish people were either "by boat" or transformed into their current forms by spirits in the time when the world was being set right. Metáka (transformation) - First sons and one daughter of Red Headed Woodpecker and Black loon traveled through the land up and down the river, transforming beings into various plants, rocks, mountains, animals and geographic places. The world is it exists today.

Connections that date back to the time of the Coast Salish people still exist. Connections are a key in the ancestral ceremonies and hereditary use and of specific sites around the territory.

The stewardship and Sáto approaches are the intellectual property of the Stoá people. Very specific use permission has been granted to South Coast Conservation Program for sharing purposes.

Learn more about Species At Risk



The Lonely Frog



Olivia Carric
Illustrated by Carolelyn Viktor

Diversity by Design: A Guide to Restoring Habitat for Species at Risk on BC's South Coast

DRAFT - April 2013


SARNET DATABASE



SARNet the Species at Risk Network for the South Coast

Local Government Tools Supporting Species and Ecosystems at Risk

A Resource Guide for the South Coast of British Columbia




Species at Risk in the Classroom

Species at Risk in the Classroom

A Guidebook for Educators



Written and compiled by: Olivia Carnrite
Edited by: Pamela Zevit and Isabelle Houde

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Why the Classroom?

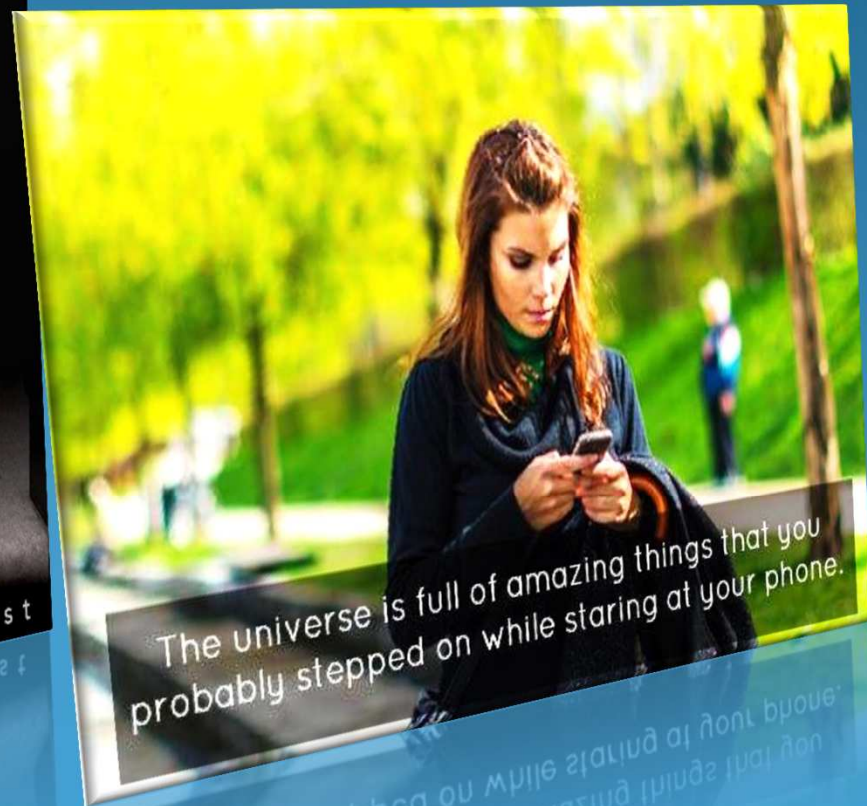
- **Increasing disconnect of youth from the natural world (“Nature Deficit Disorder”)**
- **Lack of available tools and resources to BC educators on local endangered species education.**
- **No rules or guidelines within formal education system over use of live animals for curriculum.**
- **Many schools have complementary programs (e.g. Salmonids in the Classroom) but not a focus on biodiversity or SEAR**
- **Connections to local conservation, greening and restoration efforts (Streamkeepers or naturalist groups), invasive plant management programs already exist.**

The paradox is - if we aren't connected in the first place those attempts to instill value will have little meaning or effect. That disconnect is hard to reverse once it becomes entrenched

The average American child can recognize 1,000 corporate logos, but can't identify 10 plants or animals native to his or her own region.



facebook.com/discovertheforest
facebook.com/discovertheforest



The universe is full of amazing things that you probably stepped on while staring at your phone.

2012-2014 Guidebook: Background on legal, public and First Nations efforts for endangered species conservation

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Written and compiled by: Olivia Carrante
Edited by: Pamela Zevit and Isabelle Hogue

British Columbia is home to over 2 million people and growing landscape supporting freshwater and marine habitats, riparian, upland forests and grasslands.



The South Coast area encompasses five Regional Districts:

- Fraser Valley
- Metro Vancouver
- Powell River
- Squamish - Lillooet
- Sunshine Coast

What are Species at Risk?

A "species at risk" is any plant or animal native to an area that is in danger of becoming extinct or extirpated (disappearing from its range).



Who protects species at risk?

BC Species at Risk Rankings *

- EXTINCT:** A species that no longer exists
- EXTIRPATED:** A species that no longer exists in its native BC habitat, but may occur elsewhere
- ENDANGERED:** A species facing imminent extinction or extirpation

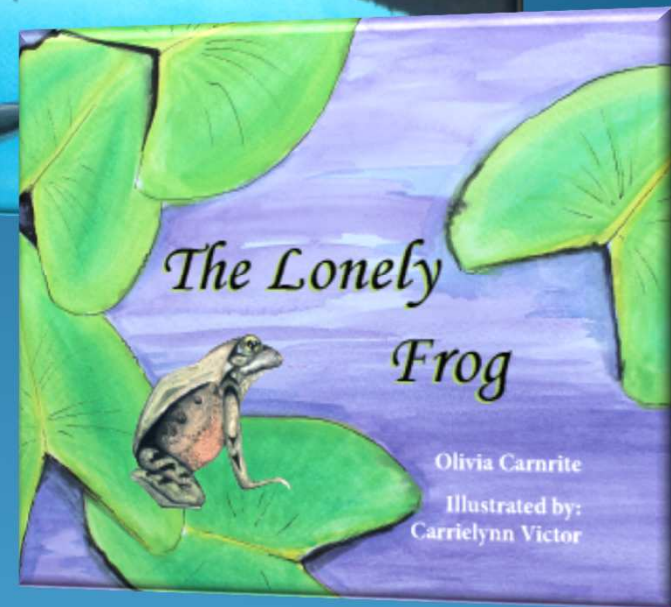
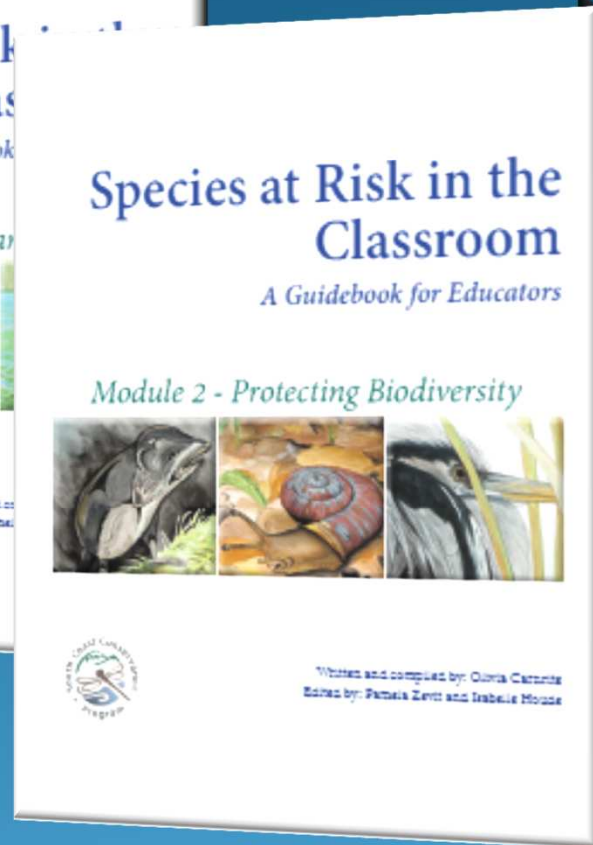
Ancestors of the Coast Salish people were either sky-born "tel swaye!" or transformed into their current forms by Xexá:ls in the time when the world was "being set right". Xexá:ls (Transformers – three sons and one daughter of Red headed woodpecker and Black bear) traveled through the land, up and down the river, transforming beings into certain plants, rocks, mountains, animals and geographic places within Sólh Téméxw long long ago, creating the world as it exists today.

Family connections that date back to the origins of the Coast Salish people still exist. Those connections are alive in the ancestral names, ceremonies and hereditary use and passing of specific sites around the territory.



...is a complex interconnected web of life that has many benefits to human populations.





3 modules accompany the guidebook: Amphibians and Reptiles, Protecting Biodiversity, Discovering Ecological Communities at Risk. Two storybooks introduce audiences to local endangered species characters and conservation issues

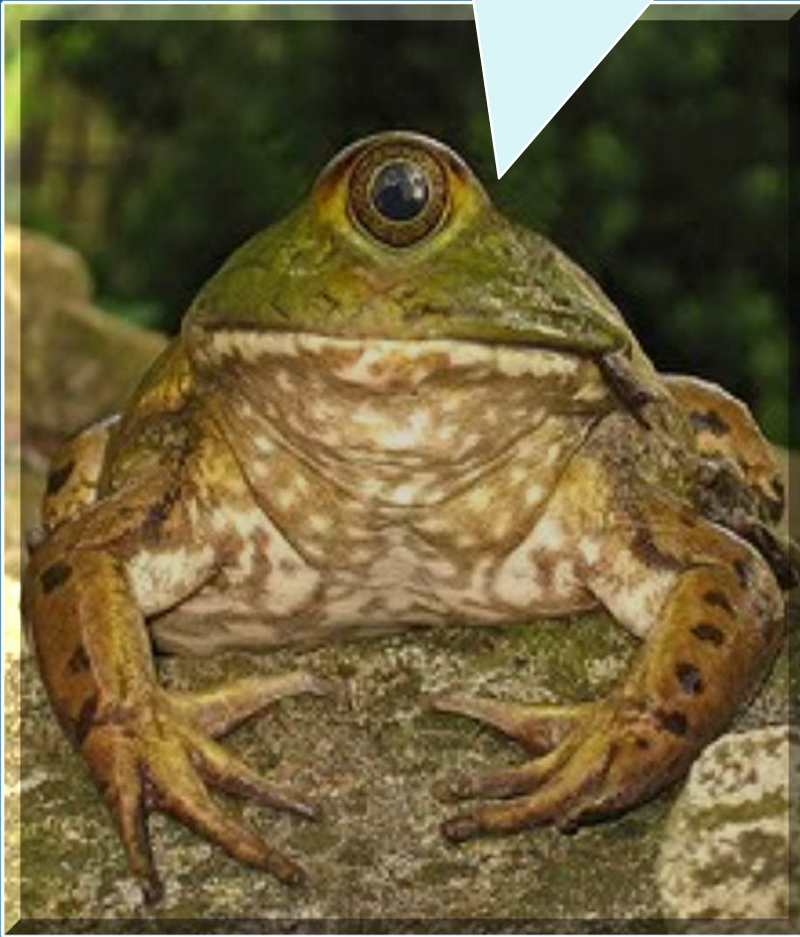
2014-2016:

- **Module #3 (Discovering Ecological Communities finalized)**
- **Vancouver Foundation funded pilot with formal and informal education partners to implement “SARitc” locally.**
- **Get storybooks available through “publish on demand” system online.**
- **Work with pilot school (Meadowridge School in Maple Ridge) integrating SARitc into school-wide curriculum and learning applications, including undertaking habitat enhancement actions for species at risk on school property**
- **Outreach and extension to South Coast school district leads, seek other schools to adopt the program, connect to other environmental education program leaders**

The South Coast supports an incredible level of biodiversity. Fostering a strong stewardship culture around endangered species and spaces will be key to the long-term, effective conservation of this amazing natural capital



Questions?



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