

# South Coast SAR Update

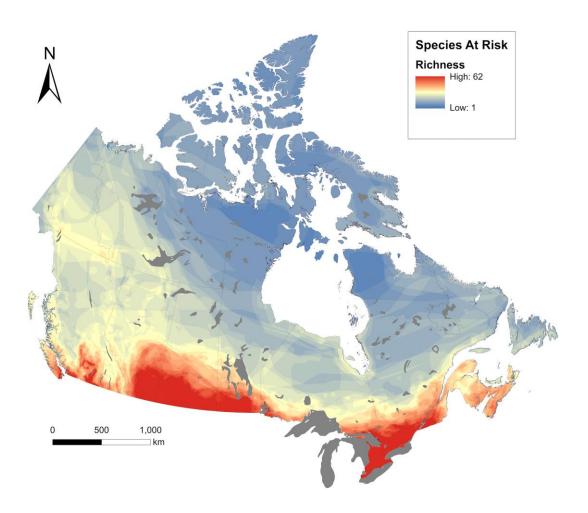
Bill Harrower

South Conservation Conservation Program

**Conservation Connections** 

28 September 2021

## Number SAR overwhelming





## Big threats overwhelming



**Resource Extraction** 



Agriculture



Urbanization

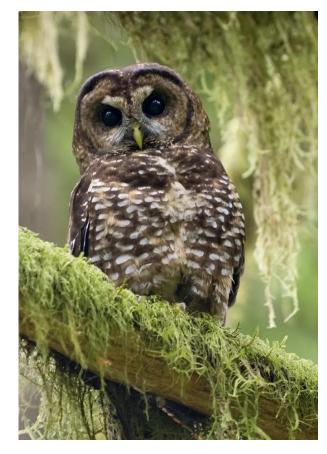


Recreation

### Limited First Nations involvement



## FLNRORD focus on the big three....



**Spotted Owl** 



Marbled Murrelet



Northern Goshawk



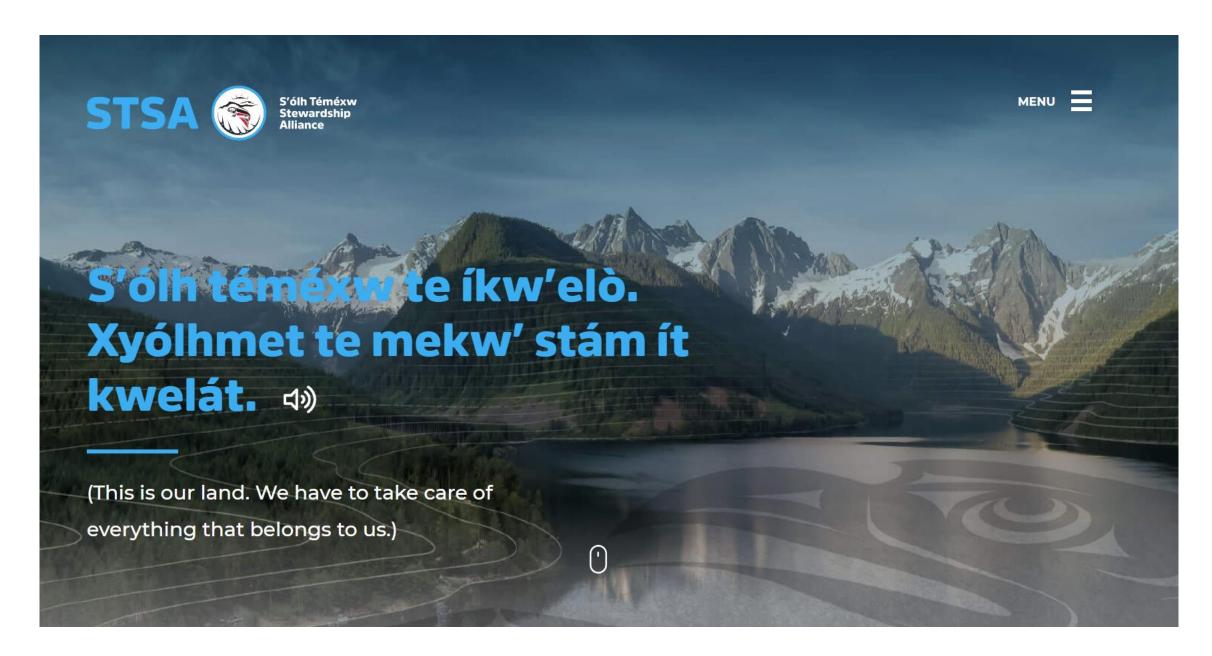


## **CoViST**

Conservation of Species, Ecosystems, and Indigenous Values in S'ólh Téméxw



FLNRORD Joanna Burgar, Agnieszka Sztaba, Bill Harrower and Josh Malt Karen Bradey, Keri Ardell, Kevin Webber, Colin Green, Deanna Rach, Lisa Davidson,



https://thestsa.ca/

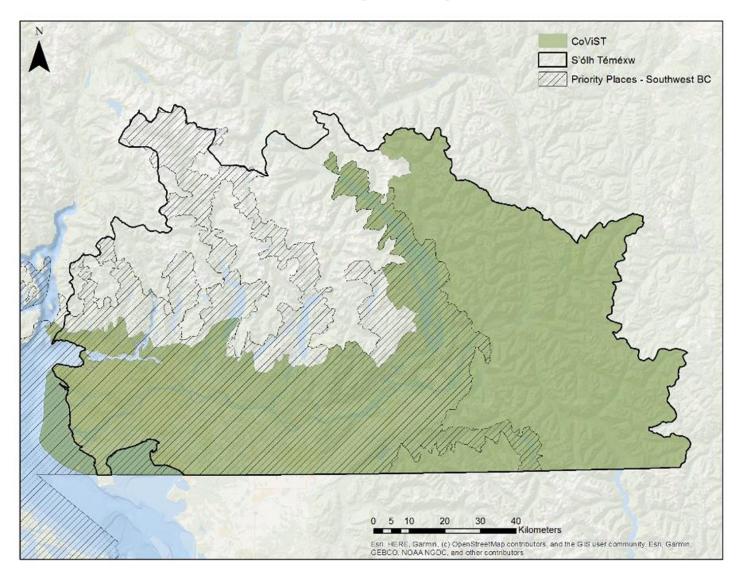
### What are we doing together?

- Building a partnership and working with stakeholders
  - What indigenous values are at risk?
  - ► How do indigenous values and SAR co-occur?
- Examining regional impacts
  - ► Can we identify priorities areas?
  - Is there connectivity?
- Tracking how we are doing
  - ▶ Where are we now, where are we going?
  - Who needs to know?
- Predict
  - Are we working in all the right places?
  - ▶ Where should we go in future?



Fringed Myotis, Jose G. Martinez-Fornseca

## Where are we working together?



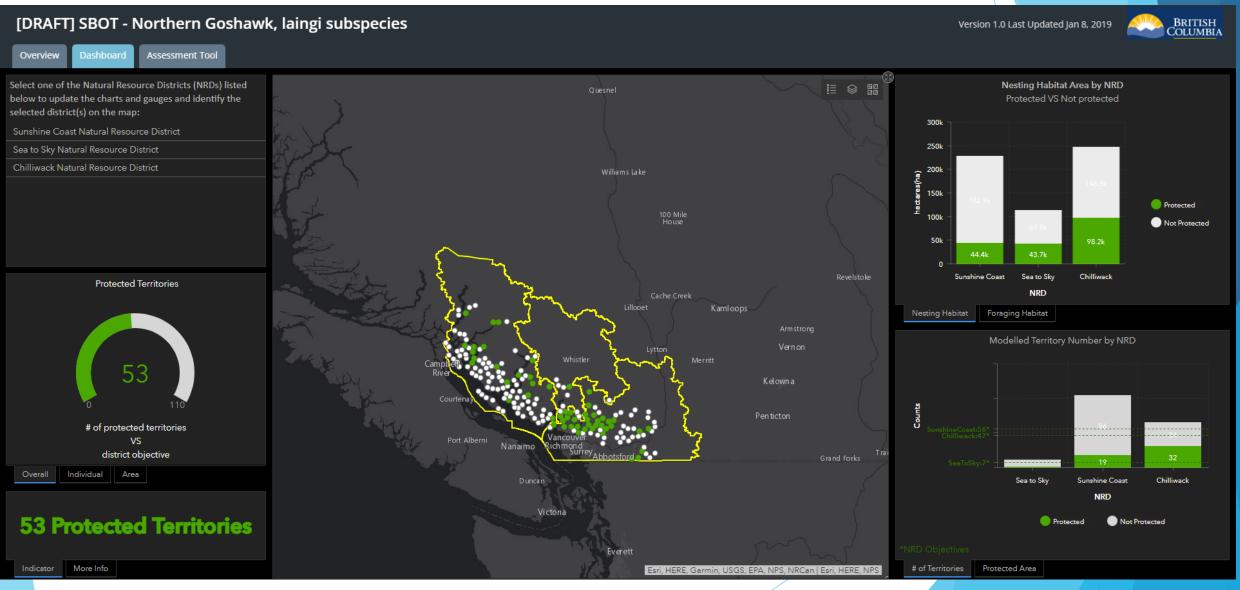
### Building Multi-value objectives (SBOT)

- Stewardship Based Objectives Tools (SBOTs) allow us to set objectives
- Requires:
  - ▶ Baselines where are we now
  - Vision knowing where your going
- Developing



American Bittern, John Reynolds

## Building Multi-value objectives (SBOT)



### FLNRORD Engagement

#### Key groups:

- Land managers
- Non-STSA First Nations
- Species experts

#### Input land managers

► Held workshop (Spring 2021)

#### **Engaging non-STSA First Nations**

Underway before year end

#### **Species Experts**

Coming attraction in 2022



Oregon Forest Snail, John Reynolds

## Systematic Conservation Planning

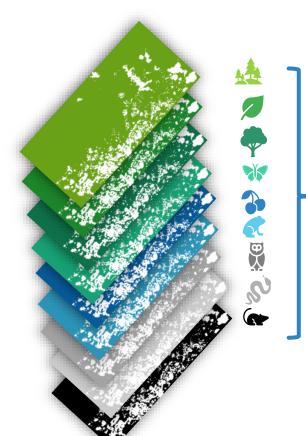
Quantify species, ecosystems, and indigenous values spatially

#### Prioritize land parcels based on

- Greatest number of species or values
- Reducing threats
- Most effective actions (cheapest, best)
- Build biggest parcels, most connected

#### Communicate and track

- Present information with SBOT
- Track information projects / Progress
- Make this knowledge available





## Stewardship Based Objectives Tool (SBOT)



### Prediction

- Predict new or high-value sites with new data (high resolution GIS)
- Overcome issues with survey effort, missing data.
- Link species to indigenous values
- This is still really under development but building.



Phantom Orchid, calphotos.berkeley.edu



Gappletail, John Reynolds

### Conclusion

#### Continue to work with you!

- Indigenous partners and nations
- Stakeholders
- Species experts
- ► Federal government

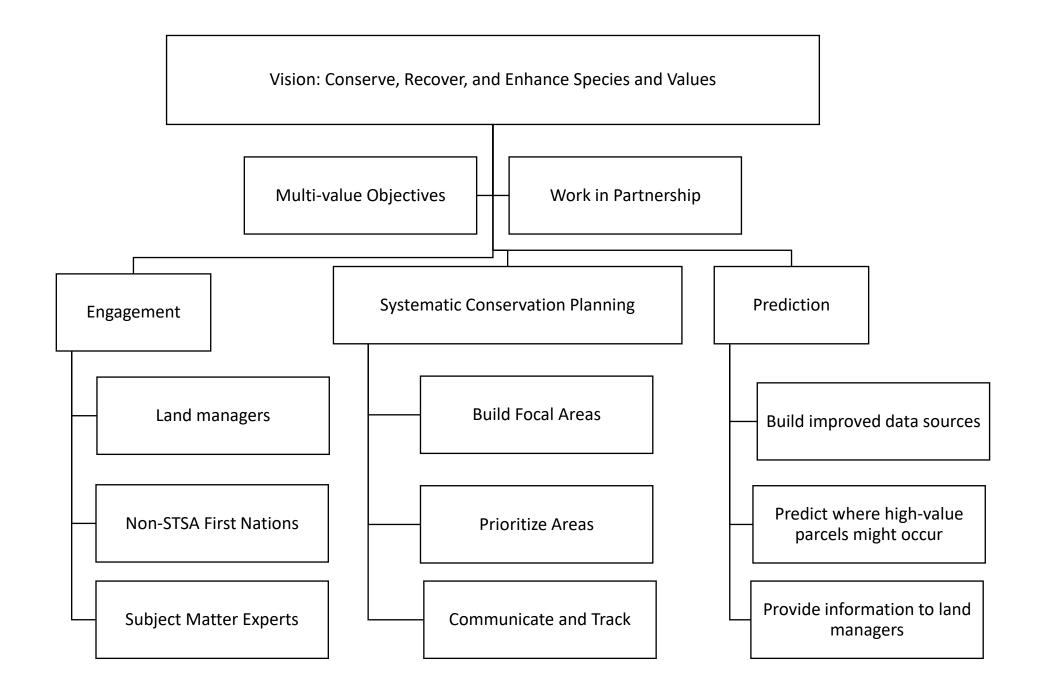
#### Using the best available evidence to

- Build new tools
- Inform decisions
- Provide this to others





Like you, trying to keep up!









### What species are priorities?

- Northern Goshawk (Implementation Plan)
- Marbled Murrelet (Implementation Plan)
- Spotted Owl (captive breeding/re-introductions)
- Tall Bugbane (propagation/planting)
- Western Screech Owl (habitat restoration)
- Grizzly Bear (cumulative effects assessment)
- Mountain Goat (cumulative effects assessment)
- Phantom Orchid (cumulative effects assessment)
- Roosevelt Elk (cumulative effects assessment)
- Western Painted turtle (captive breeding)
- Oregon Spotted Frog (captive breeding/recovery)
- Coastal Giant Salamander (habitat restoration, inventory, effectiveness monitoring)
- Steelhead (barrier removal, inventory)
- Coastal Tailed frog (cumulative effects assessment)
- Pacific water shrew (inventory)
- Lower Fraser White Sturgeon (inventory, regulations, etc)
- Mountain Goat (inventory, human disturbance, etc)
- Terrestrial Carnivores (Wolverine) (inventory, human disturbance, etc)
- Grizzly Bear (inventory, habitat assessment, etc)