

# WCS Canada Program Highlights\*

2022

2021

## Western Bats



- > **504** Bridges studies for bat use and tracking WNS's spread in Western Canada.
- > Began the analysis of **250,000** acoustic recordings collected in five years
- > **43** fake bark roosts and **12** tree modifications completed to mitigate natural habitat loss.

- > **480** Bridges studied in Alberta and Saskatchewan for bat use.
- > **53** NABat gridcells were monitored for acoustic analysis of bats
- > Fake bark roosts and tree modifications were installed to mitigate habitat loss

## Ontario Northern Boreal



- > Captured and collared **19** new wolverines.
- > Captured, tagged, and collected samples from **45** new lake sturgeon.
- > Downloaded receivers with **800,000** new detections logged from tagged fish
- > Launched a new website for the lake sturgeon program, to increase youth engagement

- > Removed or deployed GPS trackers for **23** individual wolverines.
- > Downloaded, serviced, and redeployed **22** receivers to study lake sturgeon
- > Held virtual youth outreach sessions in response to pandemic restrictions

## Northern Boreal Mountains



- > Published an analysis of the status and future risk of **17** caribou herds in northern British Columbia.
- > Found **50** new nests of Black-backed and Three-toed Woodpeckers in our Birds and Burns field study
- > Completed species distribution models for **66** endemic plant species

- > Found **40** active nests including **17** Black-backed Woodpecker nest in our Birds and Burns study
- > Generated preliminary distribution models for **36** plants and **2** invertebrate species
- > surveyed boreal songbirds at **312** unique locations
- > Analyzed data from **47** wildlife camera to uncover sites with grizzly bears and wolverines

## Western Arctic



- > Recovered **44 (73%)** geolocator tags along with a good sample of diet observations for our thick-billed murre project.
- > Studied ringed seals and bearded seal stomach contents for micro plastics
- > Led a detailed analysis of marine mammal detections and study of affects of noise on these species including whales and seals

- > Tagged **60** thick-billed murre with geolocators.
- > Collected GPS tracks including dive records from **23** birds, feeding observations, morphometrics on **53** birds in our study of thick-billed murre.
- > In response to pandemic restrictions, we established partnerships with local communities to continue our acoustic monitoring programs.

## Key Biodiversity Areas



- > Launched the national KBA registry and website
- > Presented at COP15 at Canada Pavillion and Nature Positive Pavilion.
- > Published **36** National KBAs and submitted **21** global KBAs, and led the review of an additional **124** KBAs

- > Identified **260** new KBAs
- > Released the **first National KBA Standard** in the world for Canada in French and English
- > Coordinated and led monthly KBA webinars
- > Developed a partnership with Centre for Indigenous Environmental Resources (CIER) to lead discussions about how KBAs could support Indigenous led conservation.

\*For information about all of our programs and further details we encourage you to visit the webpages related to each program.