


	
<p>Scw'exmx Tribal Council</p>	<p>Tmixw Research</p>

	<p>Morgan Jumbo – Senior Research & Referrals Analyst</p>
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May 10, 2021

Hello my name is Morgan Jumbo. I am from Nooaitch Band in Merritt, BC. My father is John Clark and my mother is Kathleen Jumbo. My family includes my wife Melissa Brunt and our 10 month old baby Ariannah Jumbo. I work for Scw'exmx Tribal Council – Tmixw Research (Lands department). I went to school at Nicola Valley Institute of Technology in Merritt in the Natural Resources department. I have worked in the forestry industry for approximately 20 years. In that time I have worked in different facets of forestry including: planting supervision, block and road layout, timber cruising, GPS block boundaries, fire management, wildlife surveys, environmental monitoring, archaeological impact assessments, preliminary field reconnaissance surveys and traditional land use studies.

My job title at Scw'exmx Tribal Council – Tmixw Research is Senior Research and Referrals Analyst. As Senior Research and Referral Analyst my role includes: Field crew supervision, Occupational Health and Safety, Participating at meetings and committees. Scw'exmx Tribal Council – Tmixw Research represents Nooaitch and Shackan Bands. We are located in Merritt BC. Tmixw Research receive and manage incoming referrals in the Nlaka'pamux Territory.

I was requested to speak on the Species At Risk Act (SARA) work that I have participated in the past. I have participated in a few projects.

Migratory bird study

I worked with a biologist with Hemera in the Roscoe Lake/Chataway Lake area. This was related to a wind energy project that was being proposed in 2016. Below is a couple of my favorite songs that I learned how to identify



Hermit Thrush – photo courtesy of ebird.org



Olive sided flycatcher – photo courtesy of ebird.org



Hermit Thrush song



Olive sided flycatcher song

The proposed Wind energy project needed a migratory bird survey completed. Biologist with Hemera identified several areas that would have moderate to high potential habitat for songbirds. Well all types of birds were identified but the project main scope were towards migratory birds. Myself and the biologist walked to point locations and surveyed for songbirds. At each point location we stayed for 15 minutes and identified birds visually and audibly. We used binoculars, spotting scope and our ears to identify migratory birds. The knowledge I have gained with this project has greatly helped me protect migratory birds in all other future projects. With experience through identification and knowledge of the bird nesting windows.

**SAR Badger - Helicopter Badger survey - Coldwater, Cook's Ferry, Ashcroft -
March 10, 2015**



American Badger

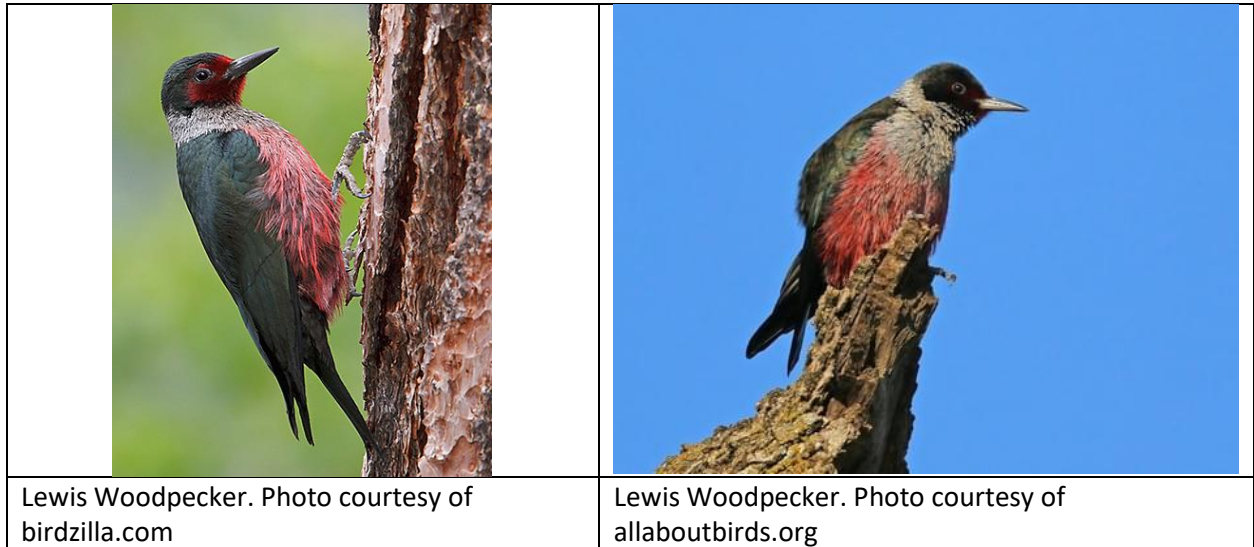
Photo courtesy of Britannica.com

As a field technician I was asked to participate in a helicopter badger survey. Although we never had a sighting of that badger or foraging species, we identified two abandoned dens. This was a real fun day. We had a flight from Merritt, to Coldwater Indian Reserve (IR), Cooks Ferry IR and Ashcroft IRs. Whenever we seen a potential den or excellent habitat either by den identification or foraging species like ground squirrels we asked the pilot to drop us down to the location. We took waypoints, photos of the abandoned dens.

SAR Badger - Badger Survey - Pauls Basin, Oct 20, 21, 23, 27, 28, 29, 2014

Another Badger survey was completed in 2014, this one however was not a flight. With the biologist we conducted a pedestrian survey to identify badger dens or habitat. The area was Coldwater Paul's Basin IR and it measured approximately 650 hectares. We conducted 10 metre transects through the entirety of the IR. No signs of badger were identified during this assessment. But however I did show the biologist an old den that I had local knowledge of in the Coldwater area. This den was definitely abandoned because that the badger was that it was unfortunately hit on the highway and died as the result.

AFSAR 2015 - LEWO - Cook's Ferry, Stump lake, Quilchena, Douglas Lake ranch area - July 2 - 4, 2015



The biologist and their company (can't remember their names) had identified spatially several areas in the Nlaka'pamux territory that would be excellent habitat for Lewis' woodpecker (LEWO). I accompanied the biologist and we identified several Lewis Woodpeckers and their nest cavities. I thought it was very neat how the LEWO stayed near its nest and caught insects in kind of a large circle around it's home. Excellent habitats were identified especially around water for example the Thompson River Cottonwood trees and near Nicola Lake Ponderosa Pines/Cottonwood Trees. One bonus we had during our survey one day we had a badger sighting in some grasslands just below one of our wildlife points. The biologist had a dog with us and it began to bark at the badger. Both me and the biologist told her dog that she had no business trying to pick a fight with a badger.

CW industrial park - - Plant study w/ botanist – June 11, 2016

An industrial park was being proposed for the Coldwater Indian Band. So it was asked to identify any potential Species at Risk. This part of the project I went with a professional botanist and identified trees, plants, shrubs, flowers, mosses and lichens. It helped me remember many Latin names of trees and plants that I was slowly going away from my memory. I also shared with the botanist some the Nlaka'pamux names (that I knew of) of the plants in the area. Yes we looked at all tree species, plants, right down to a lichen that was growing on a deer shed or rock. We did not find any plant species that were SARA rated but was still quite enjoyable to identify plants with a professional.

CW industrial park - bat study w/ biologist - Doug & Rick - June 14 - 2016



Little brown bat

Photo courtesy of Hinterlands who's who hww.ca

Another part of Species at Risk work for the Coldwater Industrial Park was to complete a bat survey. I went out with a biologist in the evening with a special microphone and ipad to conduct Sonar surveys of bats. Hopes were to identify any kinds of bats that evening but no sign was found in the Coldwater Industrial Park. I stated to the biologist that most of the bats were more than likely near the community and street lights.

All of these projects I found were very informative and I have taken that experience to other areas of work that I do as a field technician.