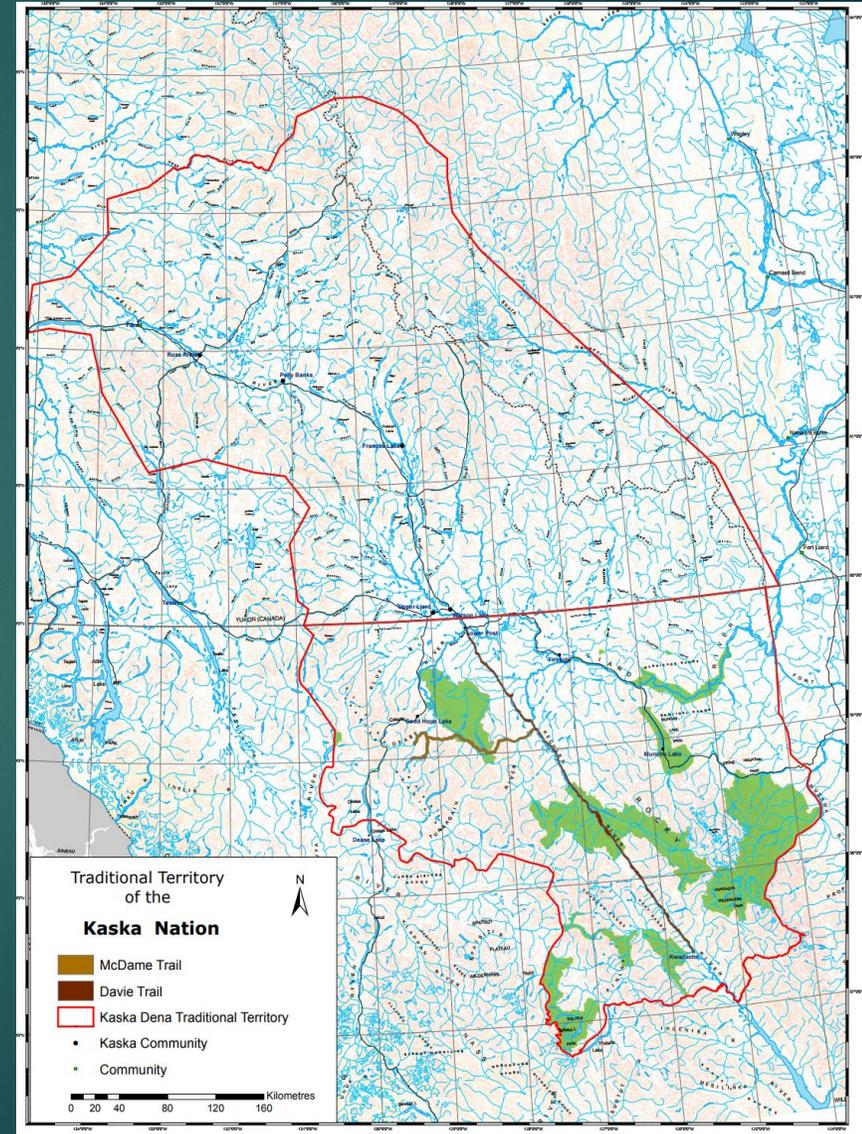


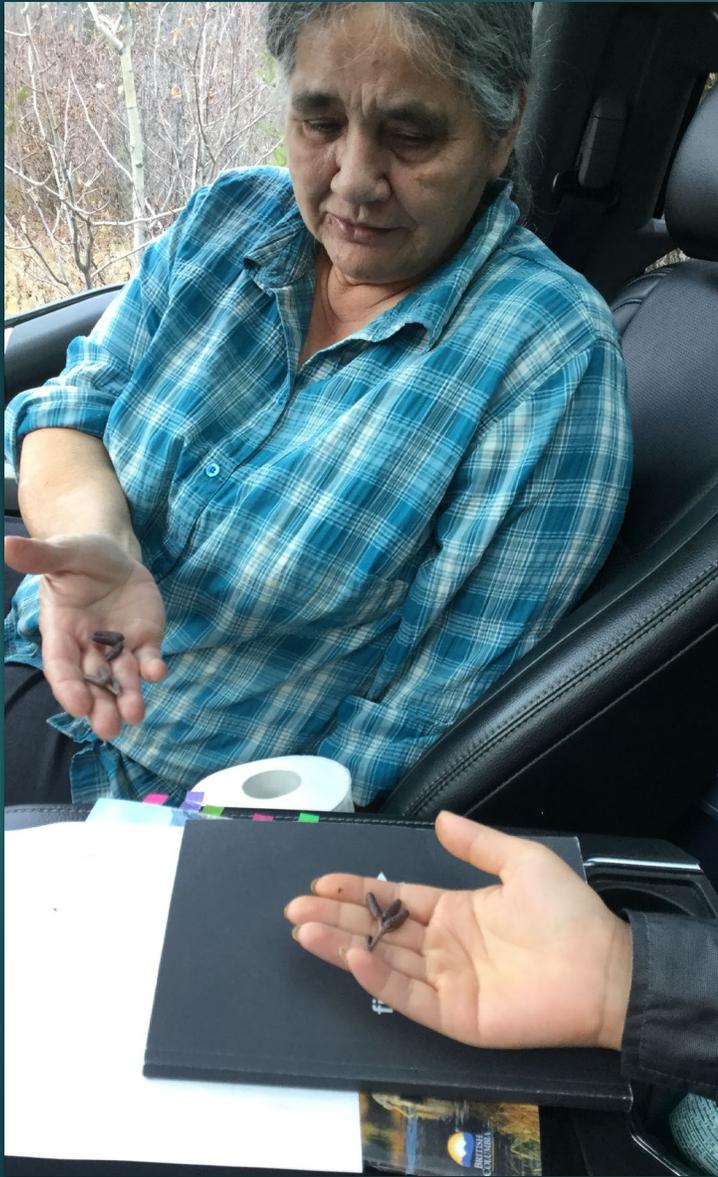


KASKA LAND GUARDIAN PROGRAM



Guardian Initiatives

- ▶ Create presence on the land
- ▶ Build relationships with land users
- ▶ Instill traditional knowledge and language into guardian program
- ▶ Educate community members and youth
- ▶ Use Traditional Knowledge and Science to inform land management
- ▶ Joint Mining Inspections with province
- ▶ Joint wildlife surveys as part of Collaborative Stewardship Framework initiatives



Land Patrols with Elders teachings of Traditional Medicines





Connection
with elders and
the land is vital
to
documenting
climate
change data

Kaska Guardian Program

- ▶ Field patrols: wildlife monitoring, high cultural use areas, data collection, water sampling
- ▶ Game Checks with BC
- ▶ Wildlife Health Programs -sample kits (10 completed in 2016).
- ▶ Community and Public Education: wildlife harvest surveys, community meetings, handing out brochures, meeting with hunters
- ▶ Collaboration with neighboring FNS - Training Opportunities, wildlife management, 3 Nations wildlife team
- ▶ Community freezer and cultural use of hides donated

Surveys completed on land patrols

Climate Change
Observations- Water
monitoring,
Ice/Snow and water
depths

Environmental
Concerns

Frog/Toad
Identification - Kaska
and Scientific names

Hunter Camp
Observations

Hunter Harvest
Surveys

Morel Mushroom
Monitoring

Traditional
Knowledge
Observations
(medicinal plants,
cabins, burial sites)

Wildlife Observations

Wildlife
Questionnaires/
Harvest Surveys
(Kaska members)

Water sampling program with Yukon Government on the Liard River





Training- Swift
Water Rescue
and Ice River
Rescue as part
of YTG
contract

Tom Creek Hydrometric Station

- ▶ Flow Measurements
- ▶ Collect Data from dataloggers and Baraloggers
- ▶ Surveying ground levels





Archeology and CMT training in Atlin, BC as part of 3 Nations wildlife initiative





Regulatory Enforcement and Compliance Training



Collaborative Stewardship Framework Initiative

- ▶ The 3 Nations and Province of BC are working together to pilot collaborative approaches to wildlife management within TKT traditional territories.
- ▶ An important goal for the 3 Nations is to establish a process that incorporates our traditional knowledge and management practices into the Provincial wildlife management practice and approach. Our vision is this will be accomplished in partnership with FLRNO.



Eco System Monitoring-July 2nd-5th, 2019 held in Dease Lake, BC

- ▶ To provide context/understanding around the purpose of ecological field data collection, and how it can fit into mapping and wildlife modelling projects.
- ▶ To expose participants to potential career/education options and opportunities.
- ▶ To expose participants to a diversity of ecosystem types across the region, and to provide an understanding of their attributes and ecological contexts.
- ▶ to bring each participant forward in their individual comfort, knowledge and experience with ecosystem projects, and to bring more experienced participants forward to a level at which they can be confident collecting field data (wildlife, soils, and/or vegetation) with minimal supervision.



Wilderness First Aid 3N-July 9th & 10th held in Watson Lake, YT





Game Check at Racing River in the Peace Region with CO's and FLNRO staff

Climate Change Monitoring Program 2018

- ▶ Climate Change Project funded thru CIRNAC
- ▶ Monitoring objectives were to start tracking changes seen in High Cultural Use areas.
- ▶ Over time move into other areas of the Kaska Traditional Territory
- ▶ Training Guardians on proper methods and techniques
- ▶ Mapping and documenting all data and changes
- ▶ 3 elders were hired to teach and implement the program and 4 guardians



Water Monitoring Training with Golden Predator 3 Aces

- ▶ Conducting Flow Measurements
- ▶ Water Quality Sampling & chain of custody
- ▶ Snow Depth Surveys
- ▶ Weather Station installation and operation



Collecting water samples (proper techniques and protocols)



Conducting Snow Surveys



First Aid & chainsaw safety Review



Learning to build a winter survival shelter



Climate Change program ended March 31st 2018

Our vision is to have a fully funded guardian program and continuous climate change monitoring program so that there is no gaps in data collected

Extend our guardian program or help assist in starting a guardian program in the Yukon Kaska Territory

Kaska have always protected our wildlife and lands and waters, the guardian program has been developed to ensure that those values are shared and respected among all users of the land.

Wildlife Observations & Environmental Concerns

▶ **Environmental Concerns (2017-2019)**

- ▶ All 2019- 103
- ▶ All 2018-90
- ▶ All 2017-10
- ▶ 2019 Kwadacha- 86
- ▶ 2019 DRFN- 2
- ▶ 2019 DDC- 15

▶ **Wildlife Observations (2017-2019)**

- ▶ All-340
- ▶ 2019 Kwadacha- 106
- ▶ 2019 DDC- 35
- ▶ 2019 DRFN-3

Hunter Harvest & Camp Observations

Hunter Harvest Surveys (September 2018)

Surveys Completed:

- ▶ DDC- 7
- ▶ DRFN- 0

Hunter Camp Observations (2018)

Surveys Completed:

- ▶ DDC- 21
- ▶ DRFN- 1
- ▶ Kwadacha- 1



Traditional Knowledge Observations

- ▶ TK Observations
- ▶ ALL – 41
- ▶ DDC 2019- 9
- ▶ DDC 2018- 13
- ▶ DDC 2017- 19

- ▶ Community Based Research Projects within the Mackenzie Basin
- ▶ Tanya Ball attended the trip to New York in which members of the group were able to speak at the United Nations forum on Indigenous Issues
- ▶ Land Guardians are currently collecting data from the Liard river watershed to monitor water depths and water health under this initiative

trackingchange



Staff Gauge Locations

Iron Creek

Mill Creek

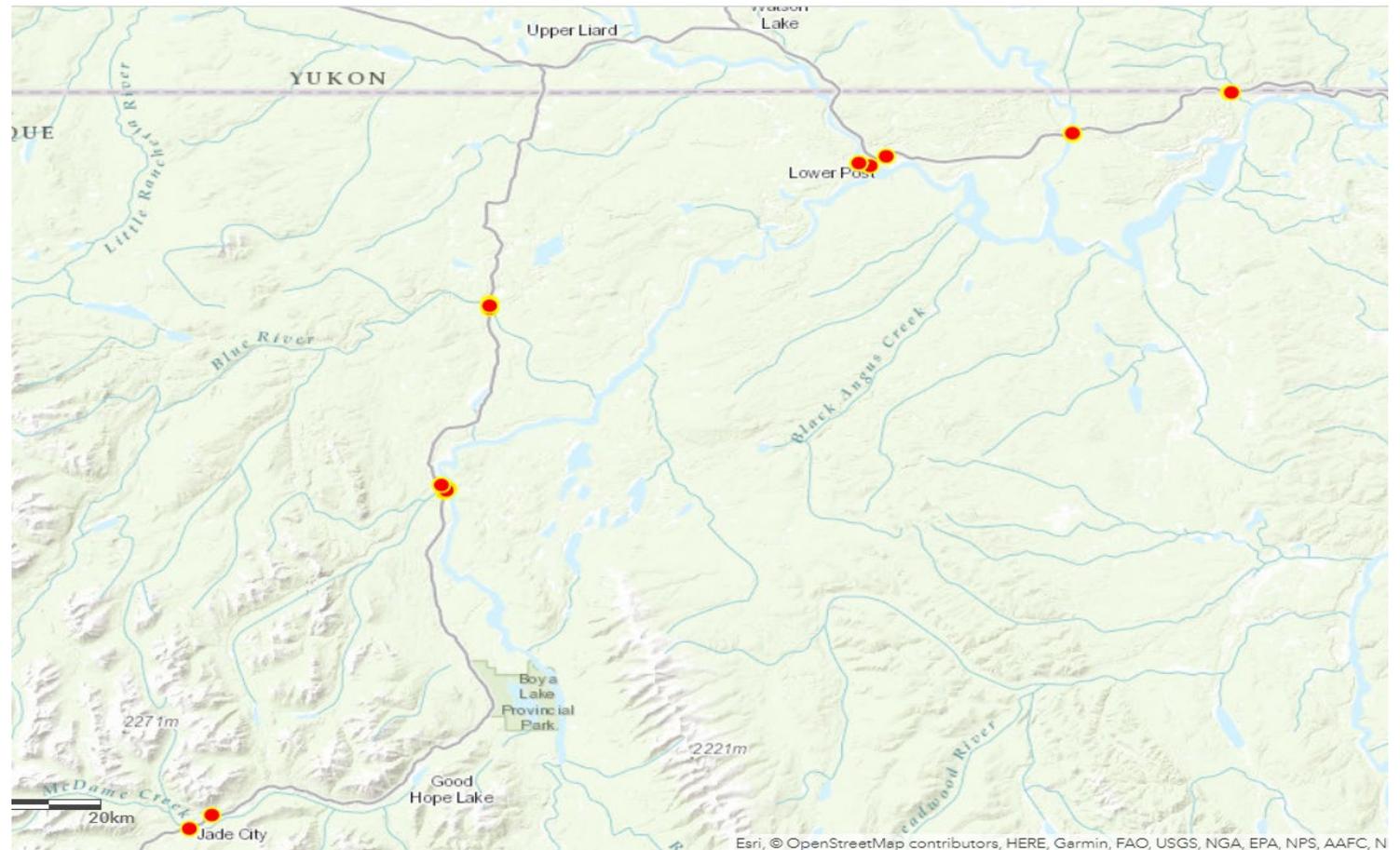
French Creek

McDames Creek

Snow Creek

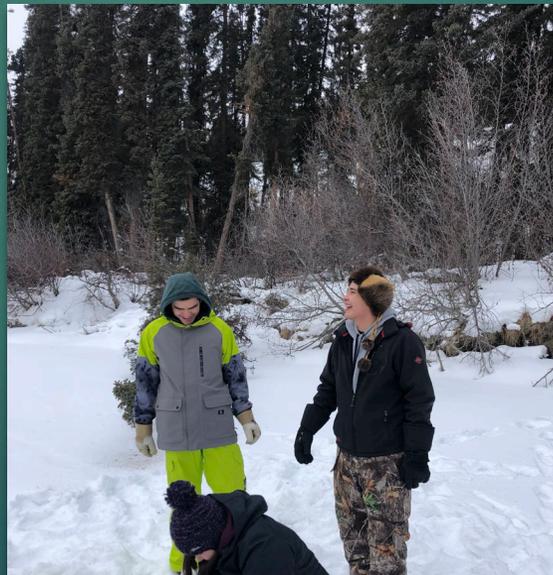
Troutline Creek

Simmons Creek



Parameters and Measurements taken at each site

- ▶ pH
- ▶ Conductivity
- ▶ Water temperature
- ▶ Dissolved oxygen
- ▶ Snow Depths
- ▶ Water Depths
- ▶ Ice measurements
- ▶ Flow Measurements



Community member training in Staff Gauge data collection

Morel Mushroom Monitoring

- ▶ Sign Installation
- ▶ Permitting (distributing in the field & from office)
- ▶ On the ground Patrols/ Boat Patrols
- ▶ Harvester/Buyer and Camp surveys
- ▶ Garbage bins and porta potties brought into the camping & staging area



Harvey Lake Cleanup in the Ne'ah Conservancy

- ▶ Cleanup up of a mushroom camp left there in 2013
- ▶ All camping supplies was left at this area
- ▶ Illegal ATV trails are all throughout this area
- ▶ 3 boatloads of garbage was taken out of this area
- ▶ Lower Post and Good Hope lake Guardians completed this task of cleaning the area by foot and by boat



Shó'we sénlá'



Questions?