


3 ceiling height
1 or over 8
1 window



- Dana -

Thank you for this opportunity.

There are 633 First Nations or Bands in Canada and 203 in BC. Collectively, we are all positioned to be community hubs for regional food security and stability with capacity to expand incrementally into the provision of surplus fresh and processed meats, fruits and vegetable to Canada.

Faced with a decline and possible extirpation of the Fraser River wild salmon stocks, Kanaka has articulated that the people of the salmon must become the people of the potato.

Kanaka intuitively knows that what we are experiencing on the ground here today (forest fires, flooding, air quality, smoke inversion layers, wind events, power failures, changed precipitation patterns and heat) will be growing in frequency duration and intensity with even greater adverse impacts on local area agriculture production and food availability.

Therefore, Kanaka has made a commitment to become a sustainable food self-sufficient community and have instituted the first proactive steps in doing so.

Located in British Columbia in a region known as "Canada's Hot Spot, Kanaka Bar is one of 15 communities that make up the *Nlaka'pamux* Nation today. Kanaka's story is available online at <http://www.kanakabarband.ca/> and a recent Kanaka presentation on Sustainable Agriculture "From the Ground Up" is located at: <http://www.kanakabarband.ca/downloads/kanaka-bar-sustainable-agriculture-from-the-ground-up.pdf>

A basic quality of life requires stability in food, air, water and shelter. To better understand these essential life elements, Kanaka recently completed a Land Use Plan (or LUP), a Community Economic Development Plan (or CEDP) and a Climate Change Assessment and Adaption Report (all available online through the community website). These foundational documents and our first steps towards sustainable self-sufficiency are small due to resource deficiencies.

Support today to address foundational deficiencies in land, agricultural infrastructure, data, people and money would be appreciated. The list below is indicative of areas that Canada could provide support as indigenous communities "own source revenues" or OSR is small.

1. Land: we assessed our current reserve land base and have purchased 6 adjacent fee simple lands "off reserve" for the purposes securing and developing food, shelter and water certainty for the community.
 - a. We have used OSR to produce maps of the land and resources on and off reserve.
 - b. We have started to clear land, fence, start crops, chicken coops and beehives and built a first greenhouse.
 - c. Greenhouses, barns and fences are needed in the Summer now to protect crops and animals from extreme heat, drought, air quality and light diffusion issues.
 - d. Development "off reserve" can also see an increase in regional taxes as infrastructure investments are improvements which change assessed values.
2. Water: Kanaka has installed water gauging stations on 4 of our year-round water sources to generate site specific data regarding water quantity and water quality.
 - a. Kanaka has started replacing antiquated and inefficient ditches with water lines and new above ground intakes so that we can have stable and predictable year-round water for drinking, agricultural purposes and small hydro-electric sources.

- b. Surplus water can be made available for the region in case they "run out of water" or be used as fire protection sources too.
 - c. Kanaka could use financial support to pay for the design and construction of legacy water diversions, lines, storage and treatment.
- 3. Weather: using OSR, Kanaka has installed 3 weather stations to monitor site specific temperature, precipitation, wind speeds and air quality.
 - a. Kanaka is designing and implementing agricultural practices for the environment of tomorrow based on site specific data so that we have sustainable agriculture.
 - b. We can share the data with Canada, but we will need support to ensure that gathered data meets universal Meteorological standards.
- 4. Electrification: cost of fuel is going up and soon scarcity will come into play. This is regressive (costs passed onto our membership) so Kanaka is seeking to become energy self-sufficient.
 - a. Kanaka has completed installation of 7 solar projects and now has two years of annual solar data collected allowing for design and expansion of small solar but also other data allows for wind and hydro to be harnessed as well to power buildings, agriculture infrastructure and electric vehicles.
 - b. Canada can support agricultural electrification initiatives like the recent electric tractor story, solar, wind and hydro powered greenhouses, barns and processing centers.

Thank you again for allowing Kanaka to share. After all, what we do to the land, we do to ourselves.

Food processing - 9 - 8'000 - used the wind & sun to dehydrate

global FN Brand

Language

- threatened

- complexity of language - decrease (also with speakers)

- language - "out on the land"

- food harvesting threatened.