



LAKE BABINE NATION



Jigeh Beyigh



First Nations Health Authority
Health through wellness

INDIGENOUS CLIMATE ACTION HEALTH PROGRAM



LAKE BABINE NATION

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Pathway for this session

- Overview of FNHA's Indigenous Climate Health Action Program (ICHAP)
- Climate-resilience in community: Lake Babine Nation's Jigeh Beyigh Project
- Dialogue with presenters
- Table Discussion (time permitting): What does climate-health look like in your community? What can support it (conversations, resources, information/research, activities, partnerships)?



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Indigenous Climate Health Action Program (ICHAP)

Established by FNHA Environmental Public Health Services (EPHS), with funding from Indigenous Services Canada's [Climate Change Health & Adaptation Program](#).

Program Goal: Support First Nations leadership in climate action and building community resilience against climate impacts on health & wellness.

Program Components

- *Funding Program*: ICHAP funds climate action projects that are community-driven and focus on health and wellness outcomes.
- *Climate-Health Policy & Program development*: w/ Health System Partners (e.g. Regional Health Authorities & Ministry of Health)
- *Collaborative research* with communities to better understand impacts & responses



Stay safe during extreme heat events

As our climate changes, heat waves are becoming more common and more severe. High temperatures can be dangerous to our health. Here are six ways to stay safe.



Stay Cool



Close windows and curtains during the day and open them at night.



Seek cooler locations like shaded areas, basements, or air-conditioned buildings.



Apply ice packs and cool, damp cloths to your wrists and neck.

Take Care



Drink water, even when you don't feel thirsty.



Take it easy and avoid intense activities.



Check on others, especially those who live alone or are more at risk.

See the PreparedBC Extreme Heat Guide for more tips:



Know the signs of heat-related illness

Heat Exhaustion: heavy sweating, headache, muscle cramps, extreme thirst, and dark yellow pee.

Heat Stroke: high body temperature, confusion, dizziness/fainting, and flushed skin.

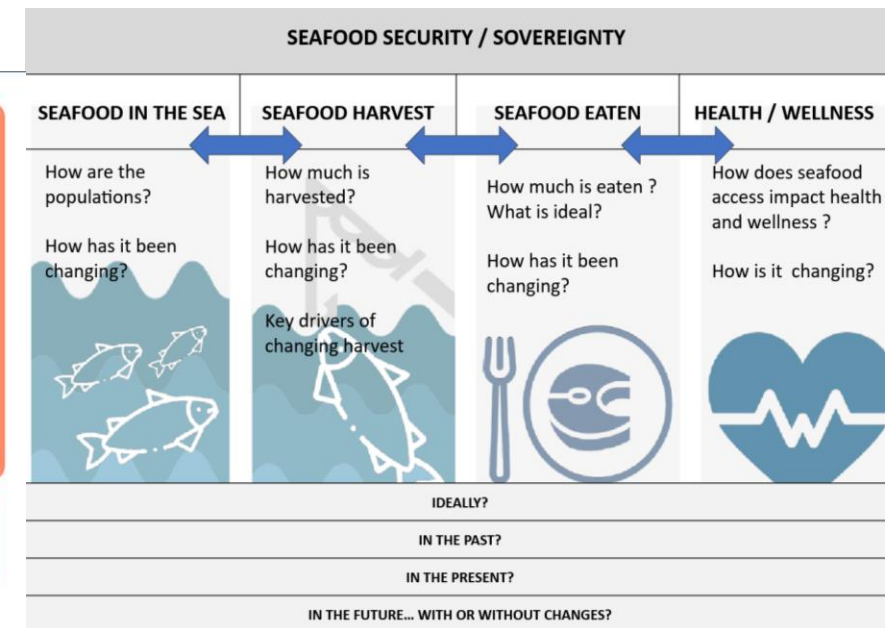
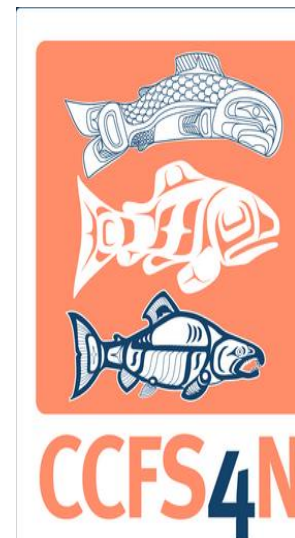
Heat stroke is a medical emergency; call 911.

Context: What do we mean by climate-health?

Climate health: Relationship between climate-driven changes and human health (including physical, mental, emotional, and spiritual).

Climate change (which combines w/ other stressors) can affect human health in two main ways:

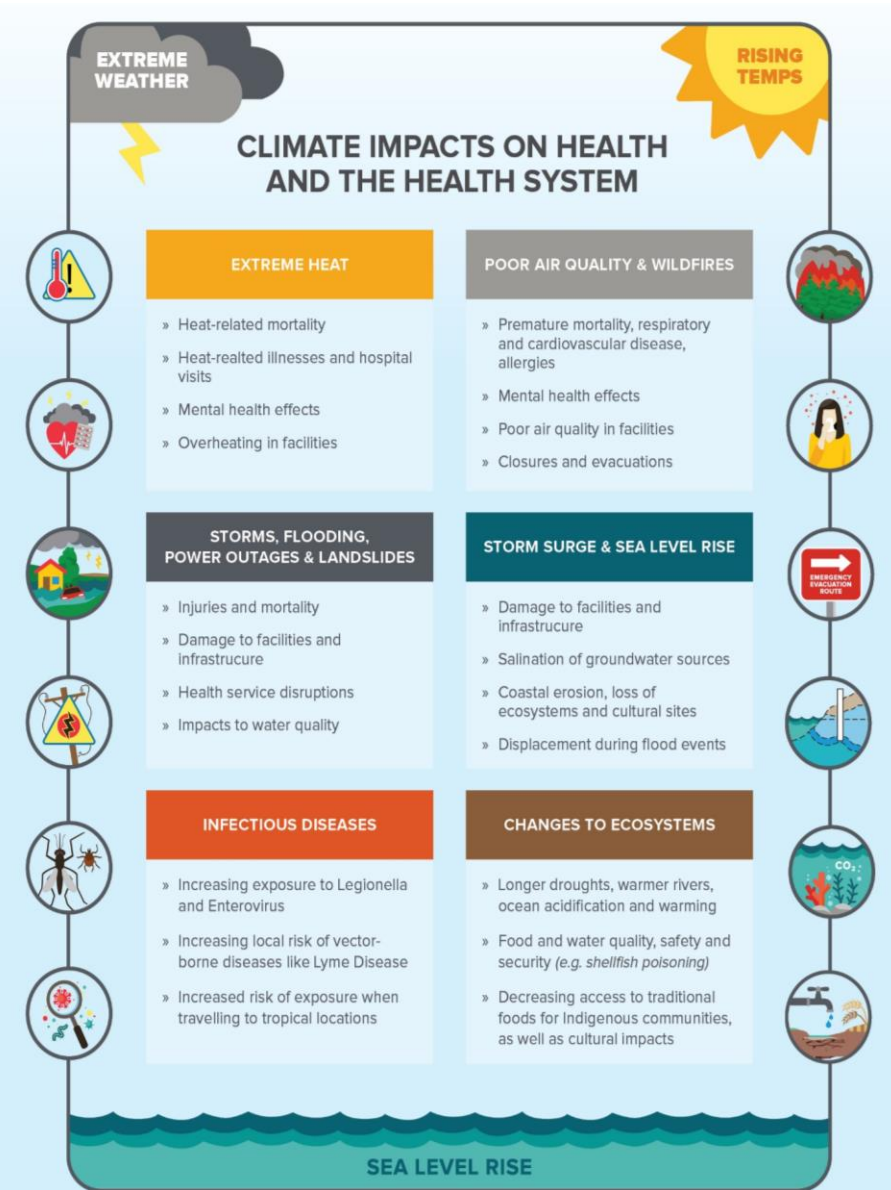
1. By **changing the severity** or frequency of existing health problems.
2. By **creating unprecedented** or unanticipated health threats in places where they have not previously occurred.



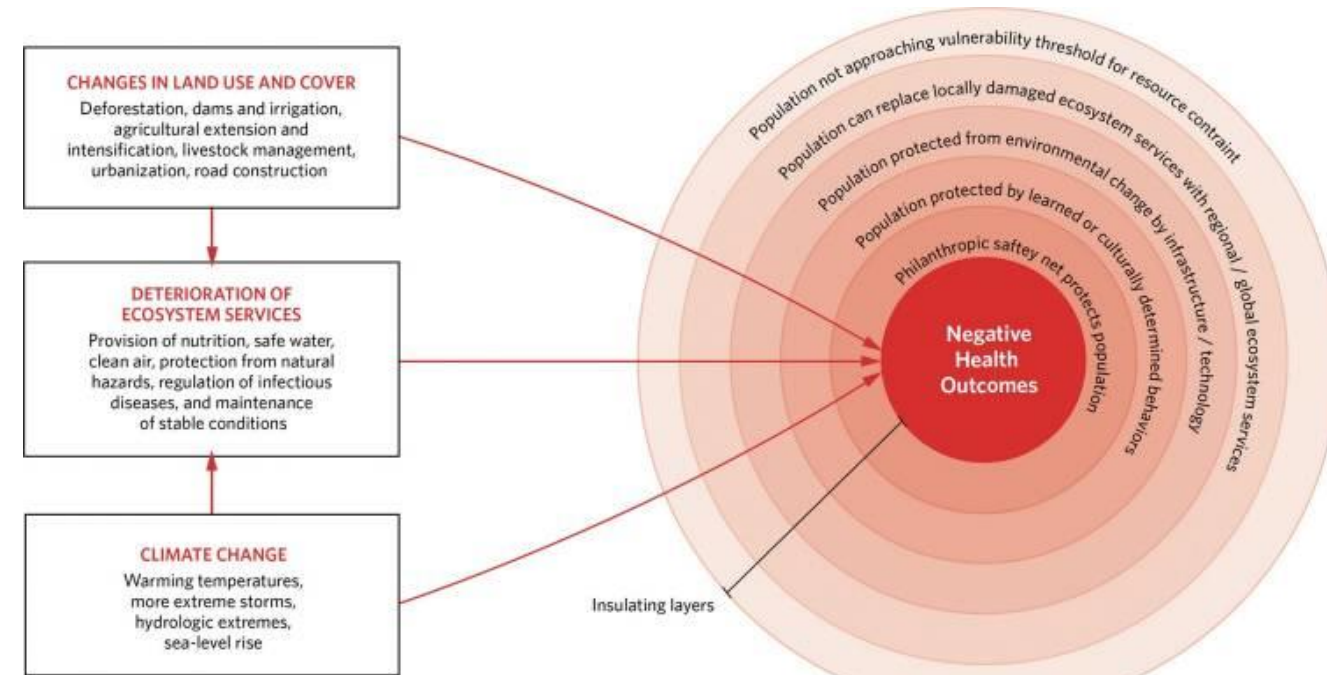
Climate Health In BC

Key exposures in BC

- Rising temperatures
- Extreme Weather Events
- Sea-Level Rise



Indirect health effects of global climate change



Priority climate-health impacts being raised by communities

Reduced access to traditional foods, medicines, and the conditions for traditional practices

Respiratory & cardiovascular impacts caused by increased forest fire smoke and summer temperatures

Grief & anxiety related to extreme weather events, and changes to the land, air & water

Impacts to sacred and cultural sites due to disappearance, damage or loss of access.

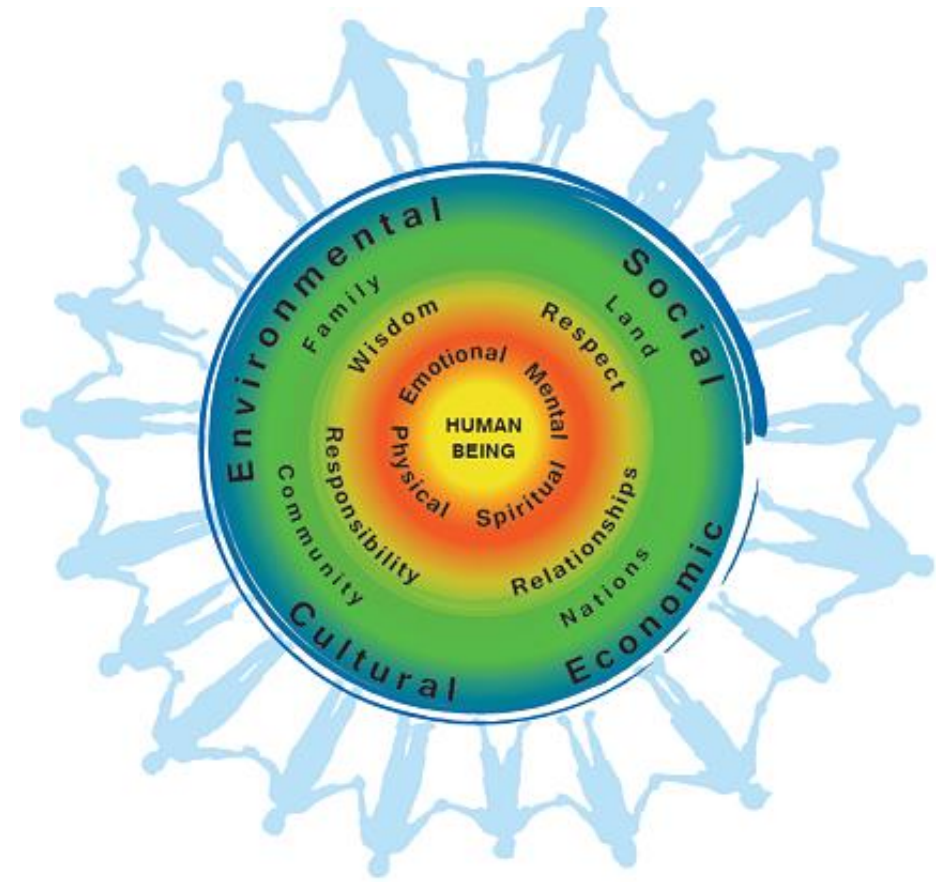
Changes in location, abundance, quality of **plants, animals, medicines**

Water quality & quantity concerns (including lower water levels & flooding from extreme weather events)

How does ICHAP seek to address climate health?

Encourage First Nations climate leadership through **community-driven** projects which:

- Apply a **wholistic** approach to climate-health that reflects **First Nations Perspective on Health and Wellness**
- Promote the use of **local and Traditional Knowledge**, together with Western knowledge as needed
- Engage and **empower youth** to participate in and lead climate health action
- Build on existing **community strengths** & assets
- Support First Nations communities in **planning and strategy development** for climate health resilience



What kinds of projects does ICHAP fund?

Projects can focus on climate health in general or on developing information, strategies, or plans to understand and reduce climate change impacts on community health.

Community-led

Up to \$100k per community per project

1-2yr project timeline

Letters of support from leadership & Health Dept

ELIGIBLE PROJECTS

ICHAP funds community-driven projects. The project must be led by a First Nations community or by a sub-regional or regional collaboration or partnership. A Selection Committee will review and assess the proposals based on their:



Focus on reducing negative climate change impacts on health. Projects need to state clearly the health threats related to climate change that are affecting the community/communities or that may affect them in the future.



Level of youth engagement, with a preference for inclusion of youth leadership.



Incorporation of Traditional Knowledge and Western knowledge.



The potential to strengthen community climate health resilience through new knowledge and skills (e.g., training components, knowledge and skill building, etc.).



Integration with or connection to existing community plans when applicable.



Clarity of the proposal's action plan and outcome expectations.



Budget and timelines (i.e., how detailed, realistic, and meaningful the budget is).



Plan to document the project as well as to evaluate and use project findings.



Active community engagement throughout the project.

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*Up to \$100k per
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1-2yr project timeline

*Letters of support from
leadership & Health Dept*

ICHAP does *not* fund:

- Emergency Response (e.g., wildfire or flood response activities)
- Infrastructure development (e.g., buildings, roads)
- Major capital (e.g., tractors or solar panels)

Application process

1. Contact the program for Expression of Interest (EOI) template and current funding availability
2. Invitation to apply
3. Draft full proposal
4. Feedback & final proposal
5. Funding decision

Program features

- First Nations perspective on health & wellness -> holistic view of what it means to do the work of community climate-resilience
- Relationship-focused
 - Work together from expression of interest through the lifecycle of the project (and beyond)
- Flexibility to respond to changing situations on the ground (e.g. work plans, timelines, & budgets)
- Partner-led reporting



ICHAP Project Themes

Climate-health assessments & action planning

- Risk/vulnerability assessments & action plans
- Health indicator development

Land-based learning & action

- Culture camps
- Revitalizing access to traditional territory

Community climate-action leaders

- Climate Change Coordinators
- Climate Change Internships



L'heidli Tenneh member Konnor McIntosh during his climate change internship



Tla'amin Guardian interview for climate-health risk assessment

ICHAP Project Themes

Environmental monitoring

- Fisheries, phytoplankton, ungulates, traditional medicines
- Water quantity and quality
- Traditional ecological indicators

Food sovereignty and security

- Community gardens & greenhouses
- Harvesting, processing, preservation of traditional foods



Coastal erosion documented in Tla'amin Nation territory



Lake Babine Nation Fish Smoking Project

Other Funding to Support Climate Action: *Current Examples*

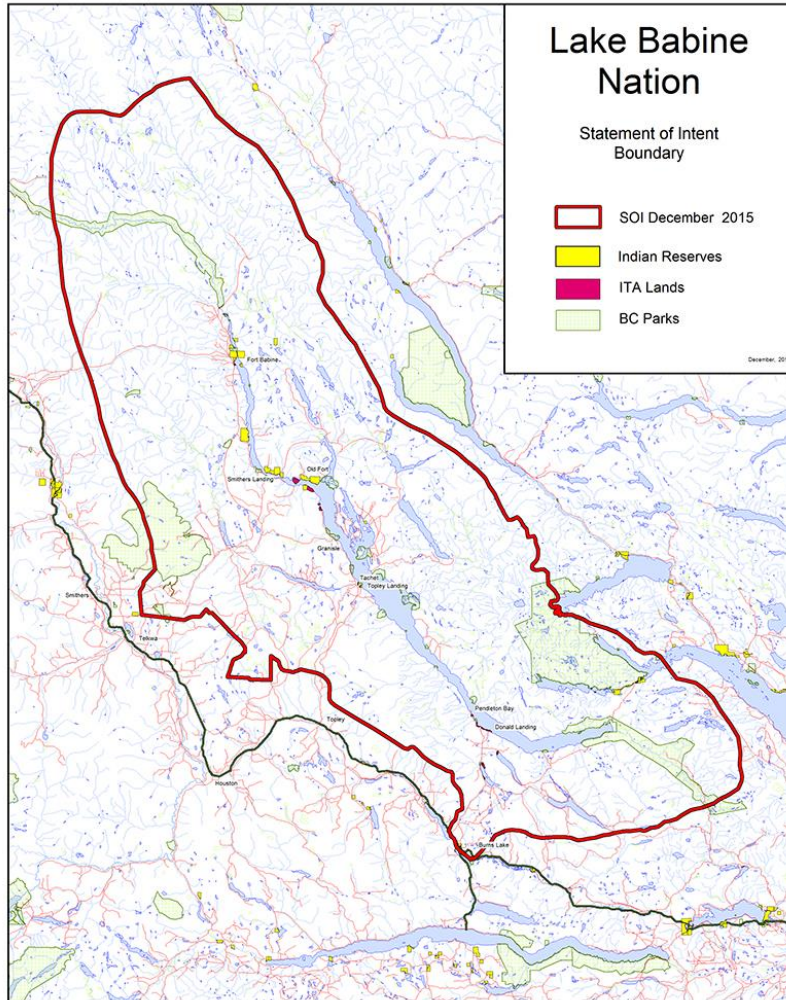
Funding Opportunity	Funder	Focus Area	Closing Date
Indigenous Grant Funding - Indigenous Watersheds Initiative	Indigenous Watersheds Initiative	Watershed Health + Security	April 24, 2023
Local Government Climate Action Program	Province of BC	Local Climate Action	Continuous Intake
Public Notification & Evacuation Route Planning	Union of BC Municipalities	Emergency Preparedness	April 28, 2023
Infrastructure Canada - Disaster Mitigation and Adaptation Fund	Infrastructure Canada	Emergency Preparedness	July 19, 2023
FireSmart Community Funding & Supports	Union of BC Municipalities	Emergency Preparedness (Fire Risk)	Open between October 1, 2022 and December 31, 2023
First Nation Adapt Program	Health Canada	Infrastructure and disaster risk reduction	Ongoing (no 2023 application guide on website)
Forest Enhancement Society of BC	Forest Enhancement Society of BC	Emergency Preparedness (Fire Risk Reduction)	Ongoing
First Nations Clean Energy Business Fund	Province of BC	Clean Energy	April 30, 2023
Indigenous Community-Based Climate Monitoring Program	Environment & Climate Change Canada	Climate Monitoring	Opening Fall 2023
Indigenous Natural Resource Partnership	Natural Resources Canada	Clean Energy	Ongoing



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AGE	All Residencies			On Reserve & Crown Lands			Off Reserve		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All ages	2,549	1,229	1,320	1,402	719	683	1,147	510	637
0-6 Years	123	61	62	59	33	26	64	28	36
7-12 Years	239	121	118	126	68	58	113	53	60
13-18 Years	254	117	137	140	68	72	114	49	65
19-30 Years	553	272	281	343	175	168	210	97	113
31-64 Years	1201	586	615	633	328	305	568	258	310
65+	179	72	107	101	47	54	78	25	53

Data and stats Collective in collaborative effort through engagements with other delegated agencies and Membership of Lake Babine Nation through preventions services and Jurisdiction framework and agreements .



Handing Down Our Knowledge



Beverly Michell

This is my favourite past time ❤️ I do what I do best, love and teach tradition ❤️ Making memories ❤️ First time without my dear husband! It's true what they say, you start looking for your loved one whether it's driving or doing what you did with them. I am so happy **Beatrice** and **Tim** took me. I am happy **Daniel** and **Cameron** went with us and saw what needs to be done setting net for char. My hubby and I set net in Babine, Augier and Pinkut Lake year round, every season. I talk about my teachings because I live it, love it, breathe it! I wish my hubby was still here today ❤️ — with **Cameron Zigler**.

HEREDITARY CHIEF BEVERLY MICHELL GRANDSON CAMERON ZIGLER



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Project Goal
What was achieved?

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Successful Measurables,
Outcomes, Achievements

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Why we needed to do the
project,
How Climate Has affected
our Nation,

Jigeh Beyigh



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How our project connected to
existing community plans

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How we engaged our youth
and elders,

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**We just love
our Salmon**



**This why
we do what
we do for
the love of
Salmon**

DeeBeeNo

Who knows Murphy out in



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Murphy patrick Jr Special Projects Coordinator

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Our ability to enhance and
involve our traditional
Knowledge and Culture,

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How we involved our
Community Members,

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Best Practices,

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Our intentions

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Traditional Clan	Affiliation	Roles and Responsibilities	Relevant Knowledge, Skills, and/or Experience
Giltseyu	Traditional Clan	Teachers/mentors/professors/ learners	Hunting/fishing/trapping/lectures/history Harvesters/healers/sewers/
Gilantin			
Luhkjibu			
Luhktsamisyu			
Natural resources	Prevention	Team lead, guidance, mentors, initiators	They will offer their existing programs to service the needs that are identified by the members
Traditional wellness	Traditional/Cultural	To ensure that the traditional and cultural practices are incorporated by knowledge holders to ensure that there is connection to our lands	Will apply the skills and knowledge by including the most avid knowledge holders within each of the activities that will occur in each of the programs within each of the seasons

EXPENSE CATEGORIES	DESCRIPTION
Instructors	17 x Lead Instructor 17 x 1 st Helper 17 x 2 nd Helper
Travel: Food Fish Delivery	2 Drivers x 2 Weeks 2 Assistants x 2 Weeks 1 Helper (Wood & Disposal) x 2 Weeks
Supplies	Canning Jars, Salt, Vinegar, Freezer Wrap, Tape, Food Saver & Wrap (FSW), Pressure Cooker (PC), PC Weights, Water, Participant Food, Fuel/Propane
Boat Rental	Transport to and from remote communities and net setting x 2 Weeks
Incentive	Participants

*Immediacy Identified in immediate Roll
Out of Preventions Service*

What does this Mean?

Recognizing that we need these immediate services, we will also need to ensure that there are additional funds applied in all levels of these programs to ensure that we tackle the one main barrier which has been identified as Poverty. If we support additional finance in all ages groups along side new services we will improve what current stats are and we are currently facing these ratios.

53% Status First Nation children living on reserve

41% status First Nation Children living off reserve

47% of on-off reserve status first Nation are below poverty line

If we increase support and financial increase it will alleviate the majority of the member population that are suffering the poverty strain

Immediate Measure

Ideal Services Summarized

Prenatal- support healthy Pregnancy Improving health of Mother and Baby through Nutrition supports. Healthy Community supports for Parents, Include Traditional and cultural knowledge activities and mentorship

Early Childhood education Family cultural immersion, language and activities

Support Mental, Physical, Emotional and spiritual needs through family and youth orientated including counselling, occupational health and fully funded recreational programming. With culturally enhanced programs/activities. To improve building of identity.

Incorporating Rites of passage to the teen programs and support and educate about healthy living sexual education. Confidence in identity peer groups for Boy-girls run by our own membership

Cultural Camps Community youth based, family based incorporate roles responsibilities in traditional aspect.

Life skills with traditional components included school training education, community roles responsibilities, training mentorship peer to peer. Restorative mentorship relationship building rebuilding. Grief and loss trauma and support services. Career planning Community based drop-in center for daily activities. Peer support groups. Traditional and cultural activities. Meeting space for Clans. Mens group

Womans group child group activities drop-in center. Structured around Knowledge holders for these activities. Culturally influenced activities

Enhance elders support daily activities, drop in and mentorship with youth. Community to community visits have mtg space in each of the communities just to drop in and facilitate the activities withing the communities on-off reserve



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Thank you!

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Table Discussion:

What are some of the climate-health strengths you see in your community? What are some of the challenges?

What kinds of activities, resources, or information would support your community's ability to address some of the climate-driven changes that are occurring?

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