Nechako Watershed Roundtable Annual General Meeting: Fire, Flood and Drought: Climate Adaptation in the Nechako Watershed

I am grateful to be joining you today on the unceded traditional territory of the Saik'uz First Nation



Dr. Raina Fumerton MD, MPH, PHPM Medical Health Officer Northern Health November 7th, 2023 Raina.Fumerton@northernhealth.ca







Medical Health Officers in Northern Health: Geography & Portfolio Assignments

Dr. Jong Kim

- Regional
- Chief Medical Health Officer

Dr. Trevor Corneil

- Regional
- Observatory (epidemiology/surveillance), Public Health Response, UBC

Dr. Raina Fumerton

- Northwest HSDA
- Environmental Health, Climate Change and Health, Health and Resource Development, Community Care and Facility Licensing

Dr. Rakel Kling

- North Interior HSDA
- Communicable Disease, Immunization, Harm Reduction, Schools

Dr. Abby Steinberg

- Northeast HSDA
- Overdose Prevention, Infection Prevention & Control



What are the Key Functions of an MHO?

- Responsible for monitoring, assessing, and reporting on the health status of persons living in the Northern Health region
- Protecting and Promoting the health of northerners
- Address conditions that create health inequities (usually relates to inequities in upstream social, economic, ecological determinants of health)
- Have positive statutory duties to administer various BC statutes and regulations relevant to
 protecting the health of the population control of health hazards, reportable diseases, drinking water,
 child and adult facilities
- Provide strategic and tactical support to senior leadership within an organization to reorient health care policy and operations to support the health of populations
- Offer consultation to health professionals regarding emergent health risks to individuals or groups of persons
- Work collaboratively with and are a resource to external stakeholders to support healthy public policy



Climate Change in Northern BC

- Northern BC is warming faster than other parts of the province and is projected to see the highest increases in temperature and precipitation.
- Climate risks include, but are not limited to:
 - More frequent and extreme
 - High heat days
 - Wildfires
 - Precipitation and heavy-rain events
 - Regional drought and water shortages
 - Storm surges and inland flooding
 - Increased levels of
 - Sea level rise and coastal erosion.
 - Precipitation falling as rain (not as snow)
 - Glacier loss and smaller snowpack
 - Changes to growing season and ecology, including plant and animal distributions, pests and harmful algal growth
 - Lowering ocean pH (ocean acidification)



Donnie Creek
wildfire between
Fort Nelson and
Fort St. John, 2023.
(Source: The
Canadian
Press/HO; BC
Wildfire Service,
BC Wildfire
Service).



Flooding near Old Remo, Terrace BC, 2021; Source: CTV News).



Telegraph Creek Rockslide, 2018; Source: CBC News).

Climate change-related impacts on health and health systems



