

Visualizing cumulative environmental, community, and health impacts of resource development, Peace River Regional District, 2017

Cumulative impacts are the combined past, present, and future effects of multiple forms of natural resource development.

Population Change, 2006-2016

- Greater than 5% decrease
- 5-0% decrease
- 0 - 5% increase
- Greater than 5% increase

15.3%

of the population identify as Aboriginal

Cumulative impacts can influence environments, ecosystems, landscapes, and non-human species....



The regional district boundaries overlap with the unceded traditional territories of 7 First Nations including: Blueberry River First Nations, Doig River First Nation, Halfway River First Nation, Kwadacha First Nation, Sauleau First Nations, Tsay Keh Dene Band, West Moberly First Nations. It is covered by Treaty 8 land, an agreement of peace, coexistence and sharing signed June 21, 1899.

Current Land Use, Peace River Region

- Towns
- First Nation(s) Community
- Transmission line
- Roads
- Regional District Boundary
- Waterbodies
- Oil & gas infrastructure
- Forestry cutblocks
- Parks and protected areas
- Intact forest 2016

...how communities develop socially, culturally, and economically...

Human Activity Footprint

- More
- Less
- Peace River RD



The social, health impacts is something that's never really been looked at here. Higher rates of heart attacks in young 35 year old men than the rest of the province. Why? Poor diet, stress, long hours, smoking, alcohol, all related to resource development. Working 20 hour days and 2-3 months on the job is not unusual even now, even with the slow-down, still long hours. -Fort St. John, June 2017

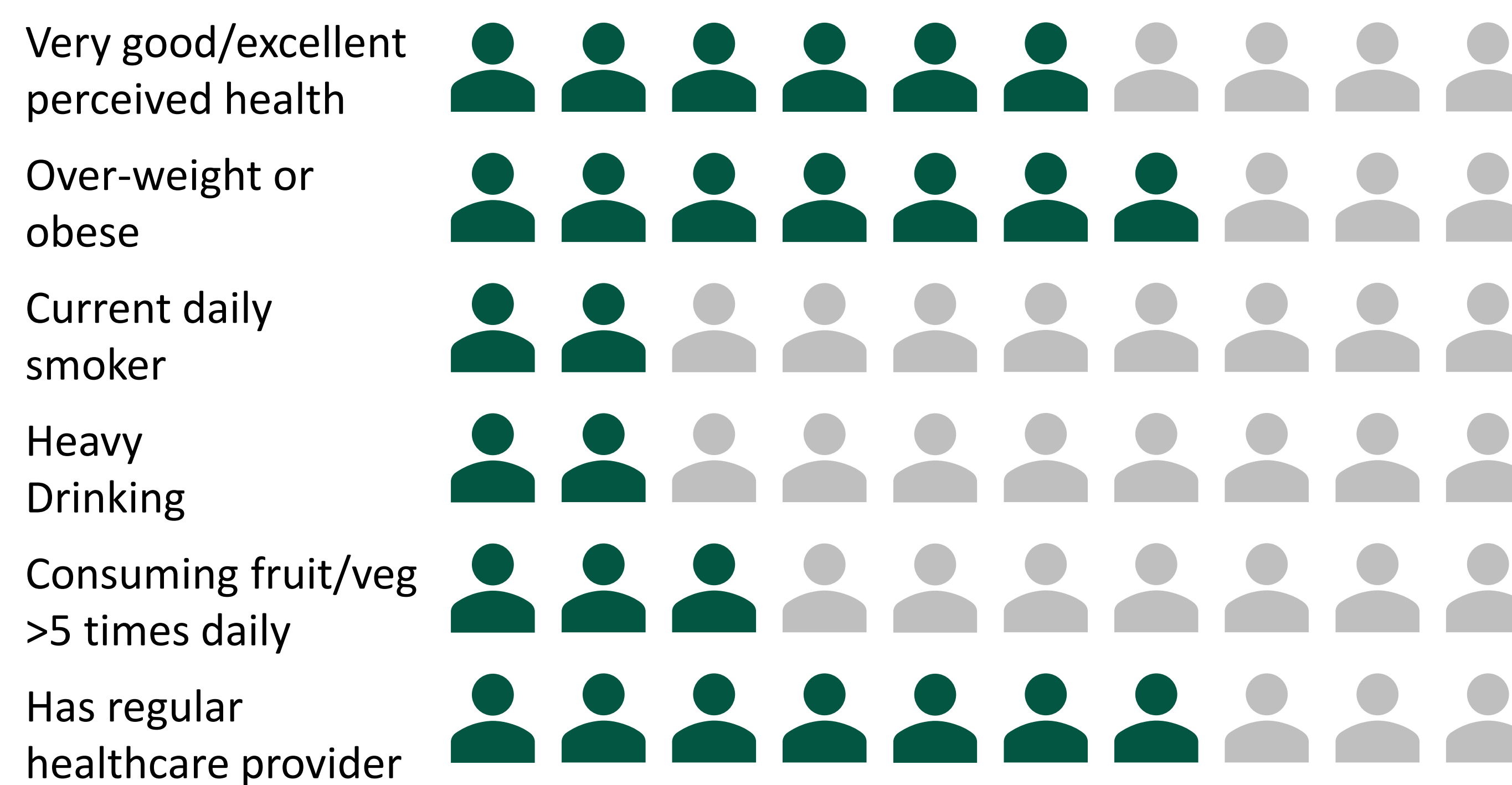
Some of this stuff is hard to notice. If I couldn't remember back 70 years and remember the way the lakes were, it would be hard to notice. There are not many people who remember these changes. -Chetwynd, June 2017

How do we make better land-use decisions? Well we have to plan for them and we have to engage the communities in making those plans, and then we have to follow through on them regardless of political changes. -Chetwynd, June 2017

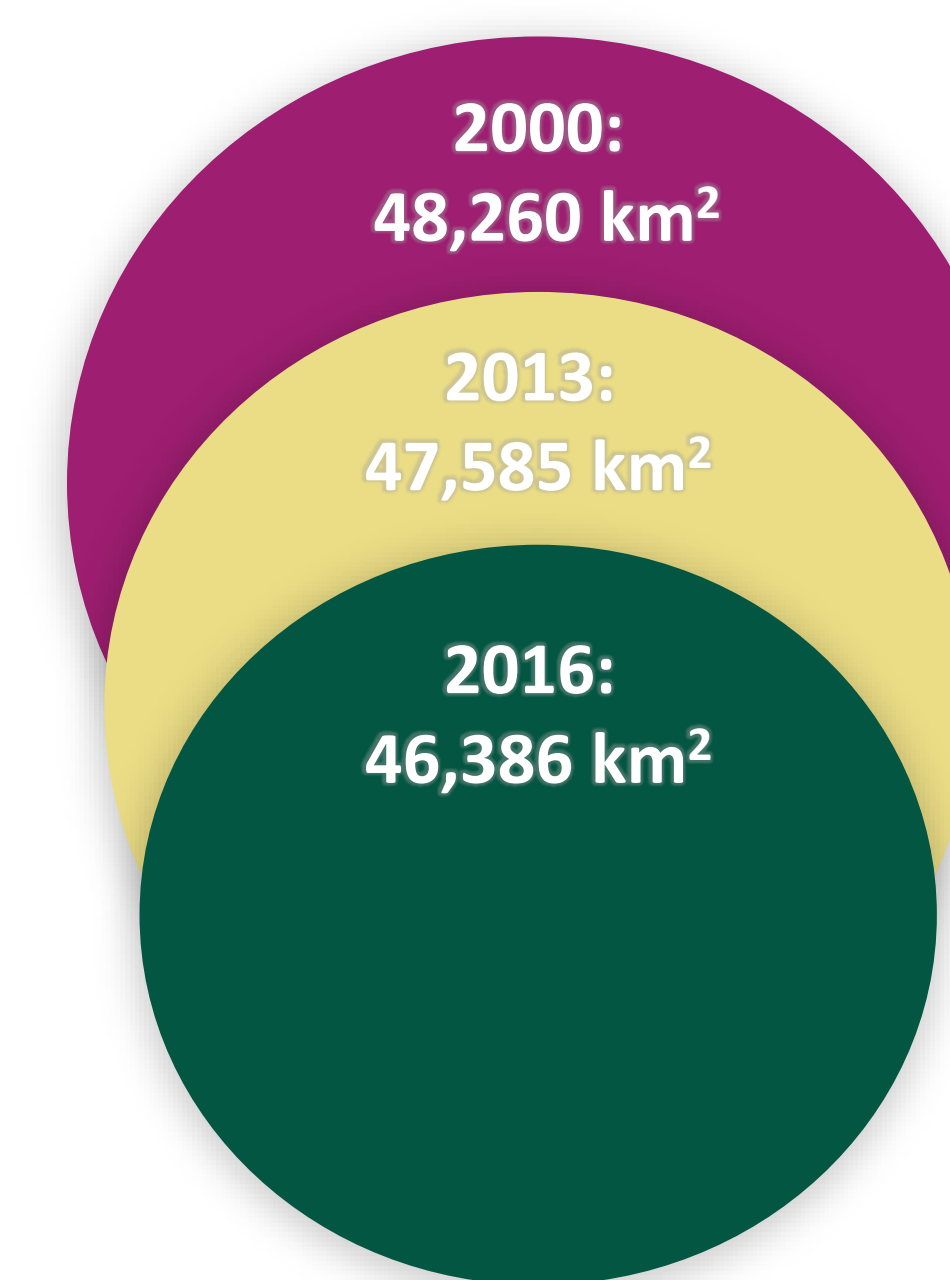
Yes, it's clear we need to step up, but we need to weigh everything and oil and gas and lumber, all of those industries have brought a lot to our communities. There's a lot of things to take into consideration, health care, education, a lot of those have been supported by industry. -Dawson Creek, June 2017



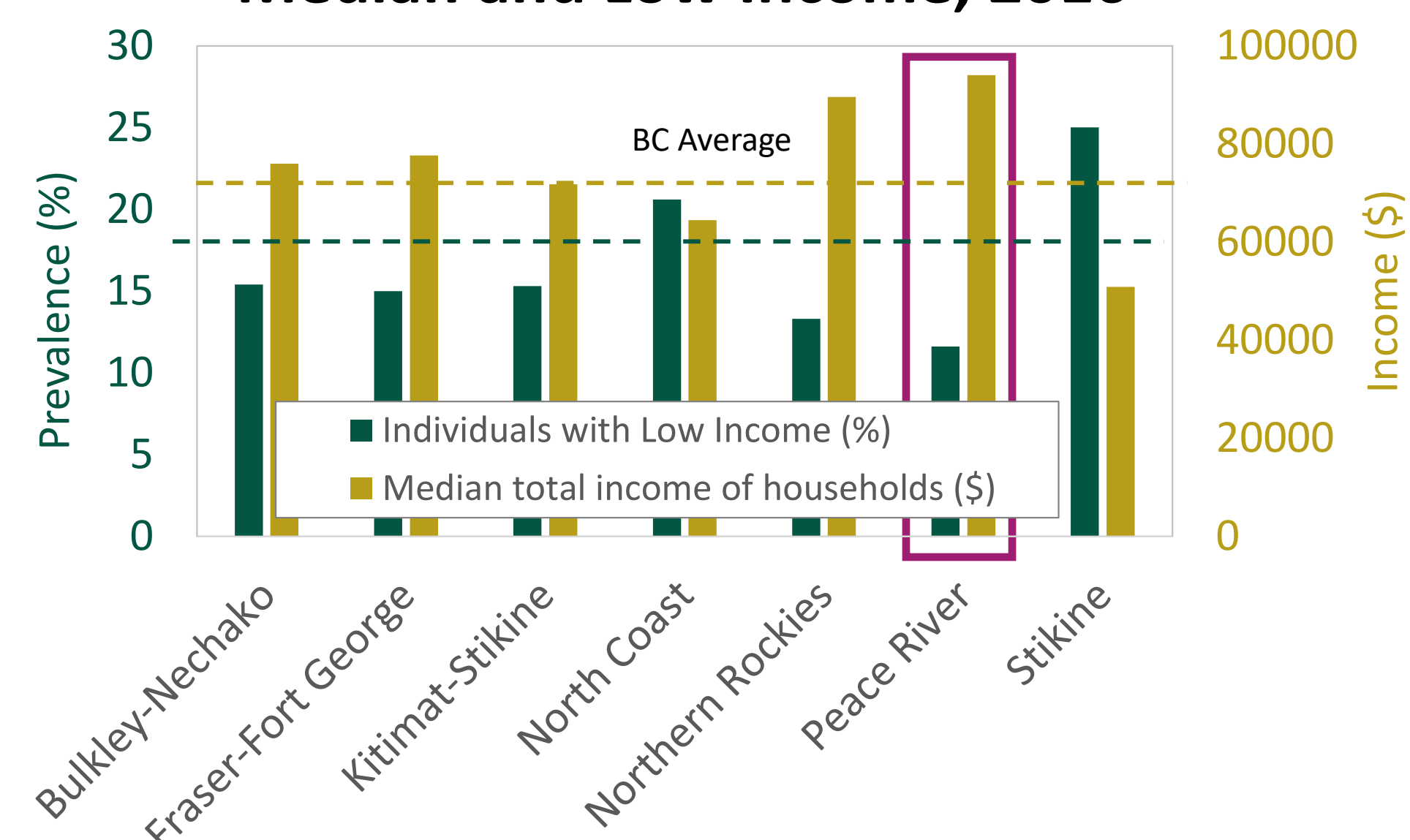
Health Characteristics in the Northeast Health Service Delivery Area 2015-16



Forest area undisturbed by human activity, 2000-2016

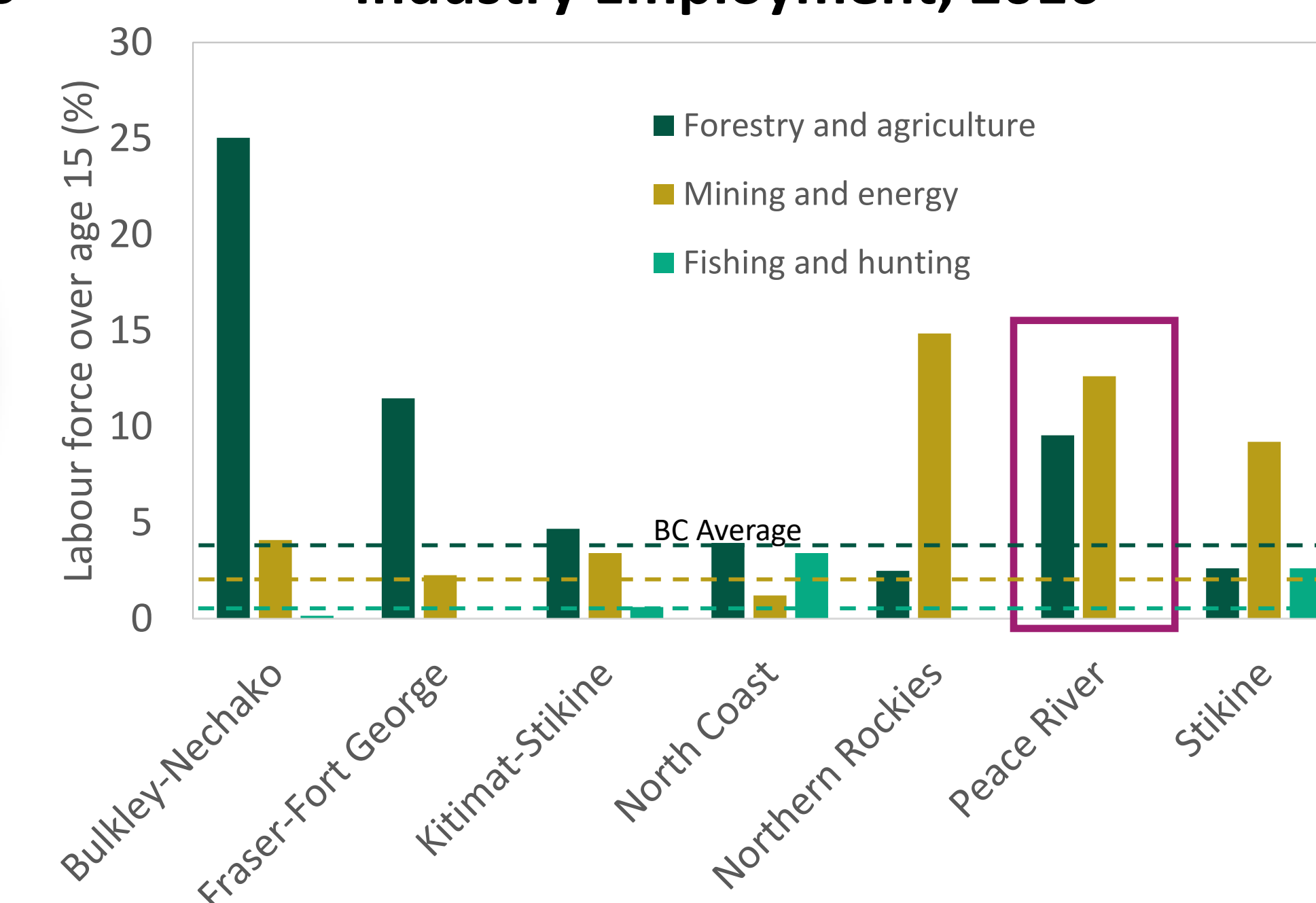


Median and Low Income, 2016



73.1% Population in the Northeast health service region with a strong or very strong sense of belonging to a local community

Industry Employment, 2016



...and can leave lasting legacies for human health outcomes and access to health services.