

# POTENTIAL ECONOMIC IMPACTS of an oil spill at sea from tankers carrying oil from the PROPOSED NORTHERN GATEWAY PIPELINE

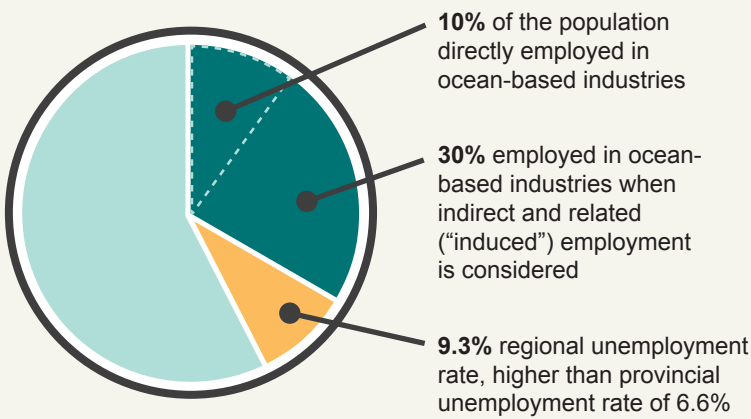


Findings from the 2012 UBC Fisheries Centre Research Reports study, *Potential Economic Impact of a Tanker Spill on Ocean-Based Industries in British Columbia* by Ngaio Hotte and U. Rashid Sumaila. (<ftp://ftp.fisheries.ubc.ca/FCRR/20-7.pdf>)

- ✓ Enbridge has assessed the potential economic benefits of the project and biophysical impacts of an oil spill at sea.
- ✗ Enbridge has **not** assessed the potential economic losses from an oil spill from large oil tankers in North Pacific waters. That is the purpose of the independent report from UBC.

## Employment in the North Coast Region

Ocean-based industries are critical to the economy and well-being of communities in BC's north coast region.



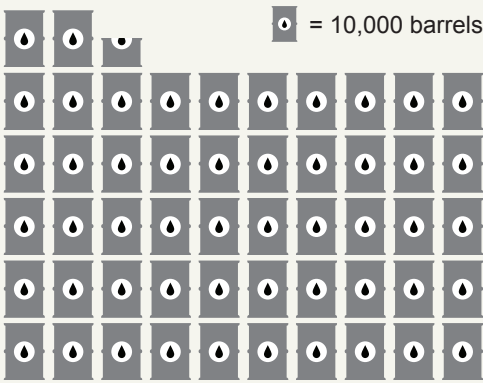
## Proposed Route of Pipeline

The project proposes to pipe oil from Alberta's oil sands to Kitimat, BC.

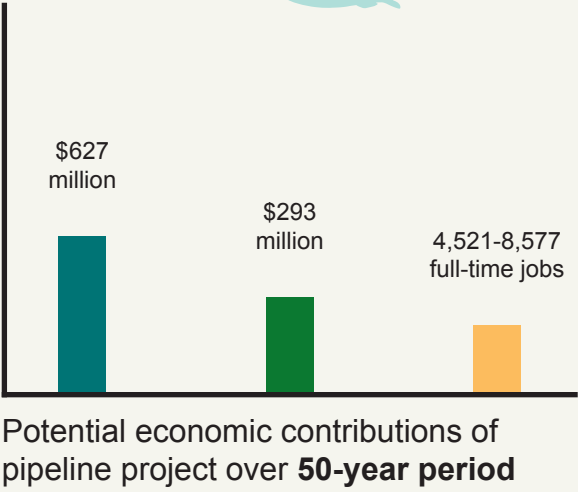
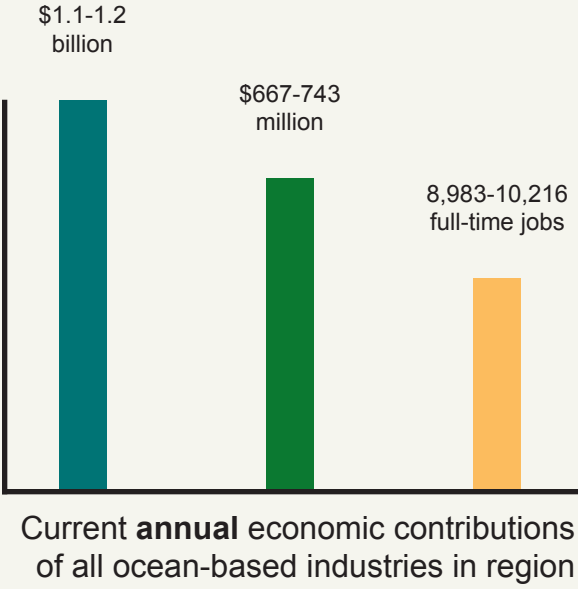


## Daily Quantities of Oil

The proposed project would transport 525,000 barrels/day of different types of oil and blended bitumen for export.



## Comparison of Economic Contributions



### Legend

- Output = Value of total output
- GDP = Gross domestic product
- Employment = Full-time jobs

## Further Potential Losses

Estimated additional potential economic costs from spill response, clean-up and litigation activities, based on an independent consultant report commissioned by Enbridge.

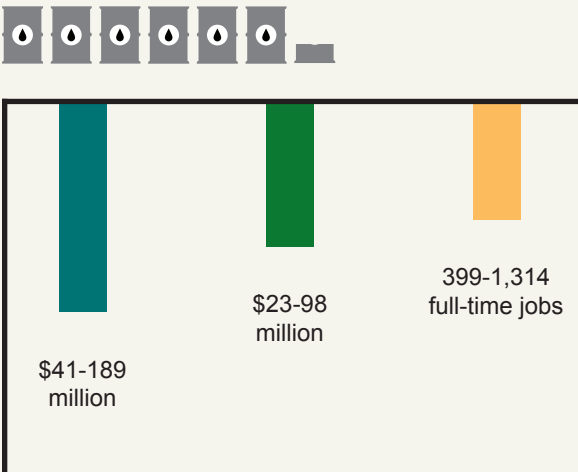
💰 = 250 million

## Potential Economic Losses

Potential economic losses resulting from hydrocarbon spills over **50-year period**

### Medium Impact Spill Scenario:

Location: Ness Rock  
Amount: 10,000m<sup>3</sup> / 63,000 barrels



### High Impact Spill Scenario:

Location: Grenville Rock  
Amount: 41,000m<sup>3</sup> / 257,000 barrels

