



NOVEMBER 2022

WOODFIBRE LNG & FORTISBC EAGLE MOUNTAIN GAS PIPELINE PROJECTS

Update from Skwxwú7mesh Úxwumixw Rights & Title and Environmental Working Group

WHAT IS LNG AND ITS PROCESS?

LNG is Liquefied Natural Gas. Most of the natural gas in B.C. is extracted from the ground (subsurface rock formations) via drilling upstream in Treaty 8 territory, and sent around the province in pipelines in its gas form. The Woodfibre LNG project will turn that natural gas into LNG, basically with giant refrigerators that absorb the heat and chill it to -162 C, shrinking its volume by 600 times. This turns it into a clear, colourless, non-toxic liquid - liquefied natural gas, or LNG - that is much easier to store and transport. The LNG is then transported by tankers called LNG carriers in large, onboard, super-cooled tanks to overseas markets. LNG on the tankers is super cold but not pressurized (think of refrigerator vs. propane tank).

FORTISBC OPEN HOUSE

FortisBC will be hosting 2 community open houses addressing any concerns our community members might have with the project. Community feedback is helpful so that we can continue to share the most relevant information and work together to improve the project!

Some topics of discussion are:

- General updates on project
- Construction traffic impacts in Squamish. This includes anticipated construction traffic from the BC Rail Site (related to the Tunnel) and increased traffic on Government Road
- and more!

Come share your feedback!

Dates & Times:

November 23 from 5:00–7:30 pm

POSTPONED: November 29

Location:

**Executive Suites Hotel,
40900 Tantalus Road, Squamish**



This update is about environmental regulation. Skwxwú7mesh Úxwumixw Members and businesses seeking employment or business opportunities for the project are encouraged to contact:

Ta7lnewás (Education, Employment & Training)
Paul_Wick@squamish.net

Nch'kaý Development Corporation
Jody_Antone@squamish.net

HERRING ROE SAMPLING RESULTS

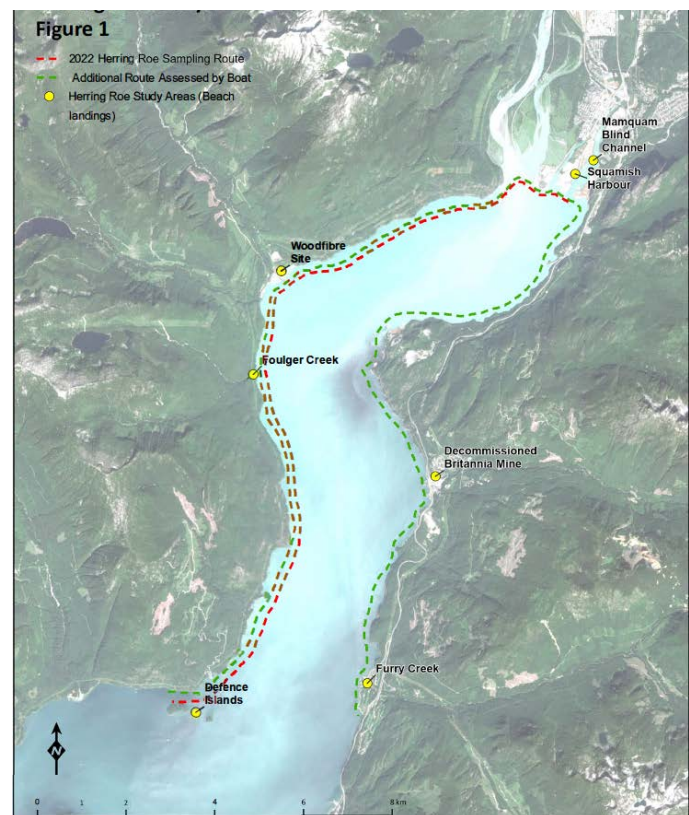
In Spring 2022, we requested that WLNG sample Ch'émesh (herring roe) from near Swiýát (and from other areas for comparison) to test if the Ch'émesh shows signs of pollution contamination, and if so whether there are differences between sites. The Ch'émesh sampling was done in addition to samples taken from Aýx (crab) and Lhémkw'a (sole).

The Ch'émesh samples were tested only for metals, whereas the Aýx and Lhémkw'a sampled from Swiýát were also sampled for chemicals left over from the pulp mill. (Which we agreed with, the pulp mill contaminants are in the sediment, there would be no reason to expect Ch'émesh to accumulate that, compared to Lhémkw'a and Aýx that live on the ocean floor). Metals are a common pollution concern in Howe Sound because of the Britannia Mine and from past pollution in Squamish Harbour.

Primary message from the Ch'émesh sampling: There isn't a different risk for Ch'émesh taken from Swiýát vs. Foulger Creek vs. Squamish Harbour. An adult would need to eat about 1 lb of Ch'émesh every day for a year to generate health concerns. Some might argue about the accuracy of the science about when a certain amount of pollution causes health effects, but even if the science is off by a factor of 2, that would still mean risks are relevant with 0.5 lb/day for 365 days.

In a nutshell, the most likely metal to cause issues is cadmium, present in similar levels at Squamish Harbour, Foulger Creek, and Swiýát. It is not uncommon for cadmium to be naturally high on the BC coast, and it has shown up throughout BC in shellfish.

Water quality sampling from around Swiýát has found moderately high cadmium for years and it can slowly build up in marine life. Excessive cadmium in humans can cause kidney issues. Again though, a line like “the most likely metal to cause issues is cadmium” sounds like there's a pollution problem, which is not the main message here. It was also interesting to see from this sampling that Squamish Harbour samples had 2 to 3 times more of the other metals in Ch'émesh than Foulger Creek or Woodfibre area. The data on Aýx and Lhémkw'a also found more contamination around Squamish Harbour, especially mercury. None of the metals are at a health-risk level, but interesting to see the comparison between sites.



HAVE YOU BEEN IMPACTED?

Has your cultural use on our traditional territories been impacted in ANY way by the current pre-construction activities that are taking place?

Please report immediately to Whitney Joseph
swiyat@squamish.net
 or
 778-966-1117