ペレットのために
原生の雨林が伐採される？
バイオマスの脅威

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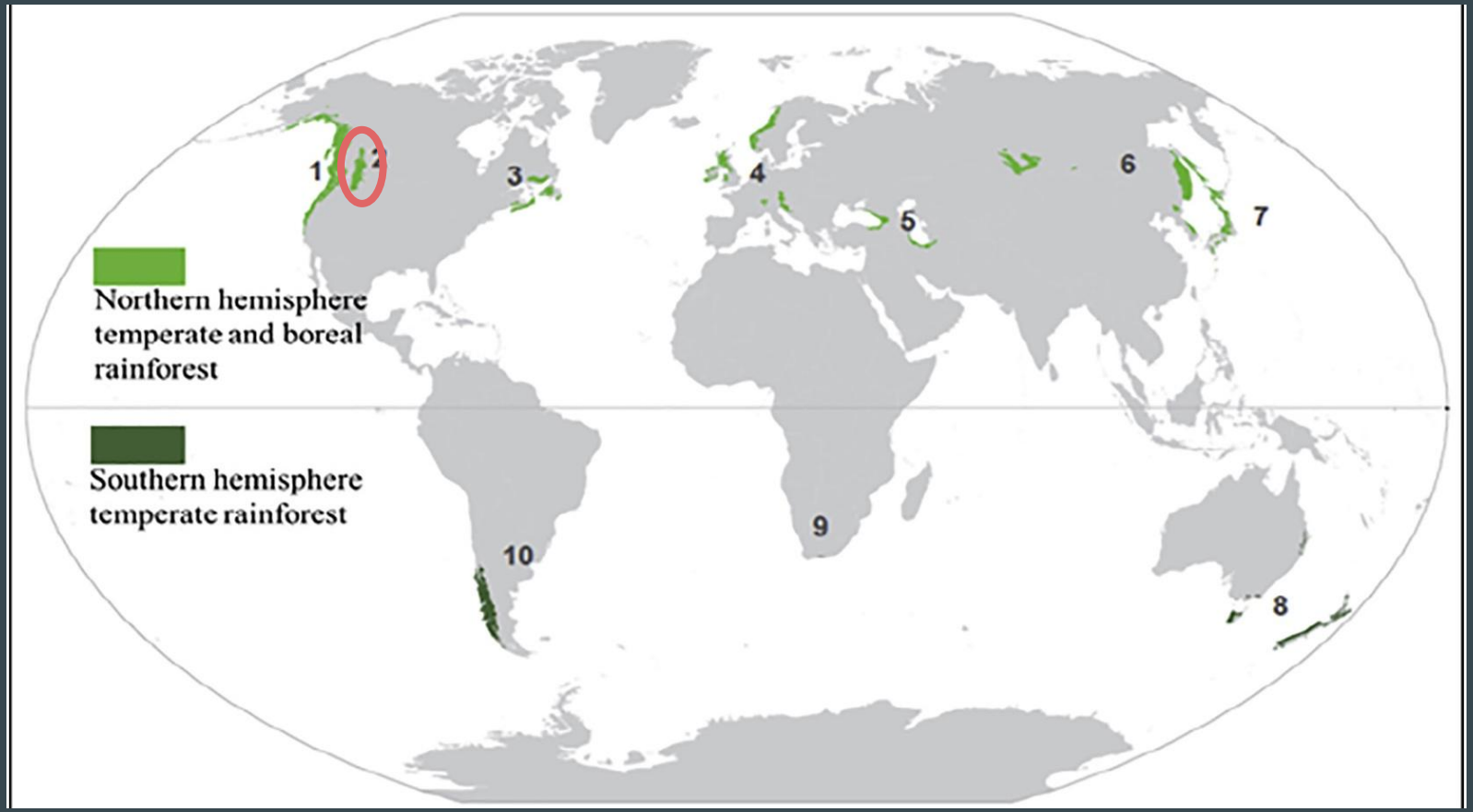

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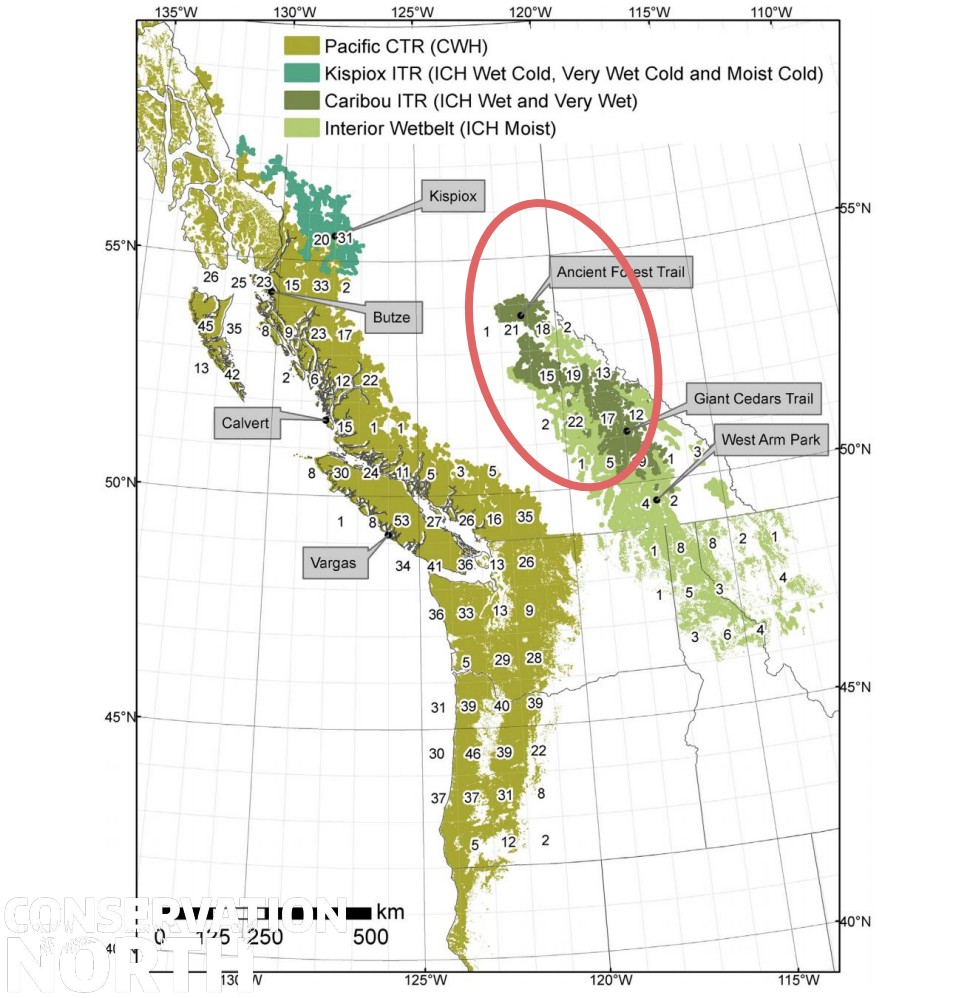
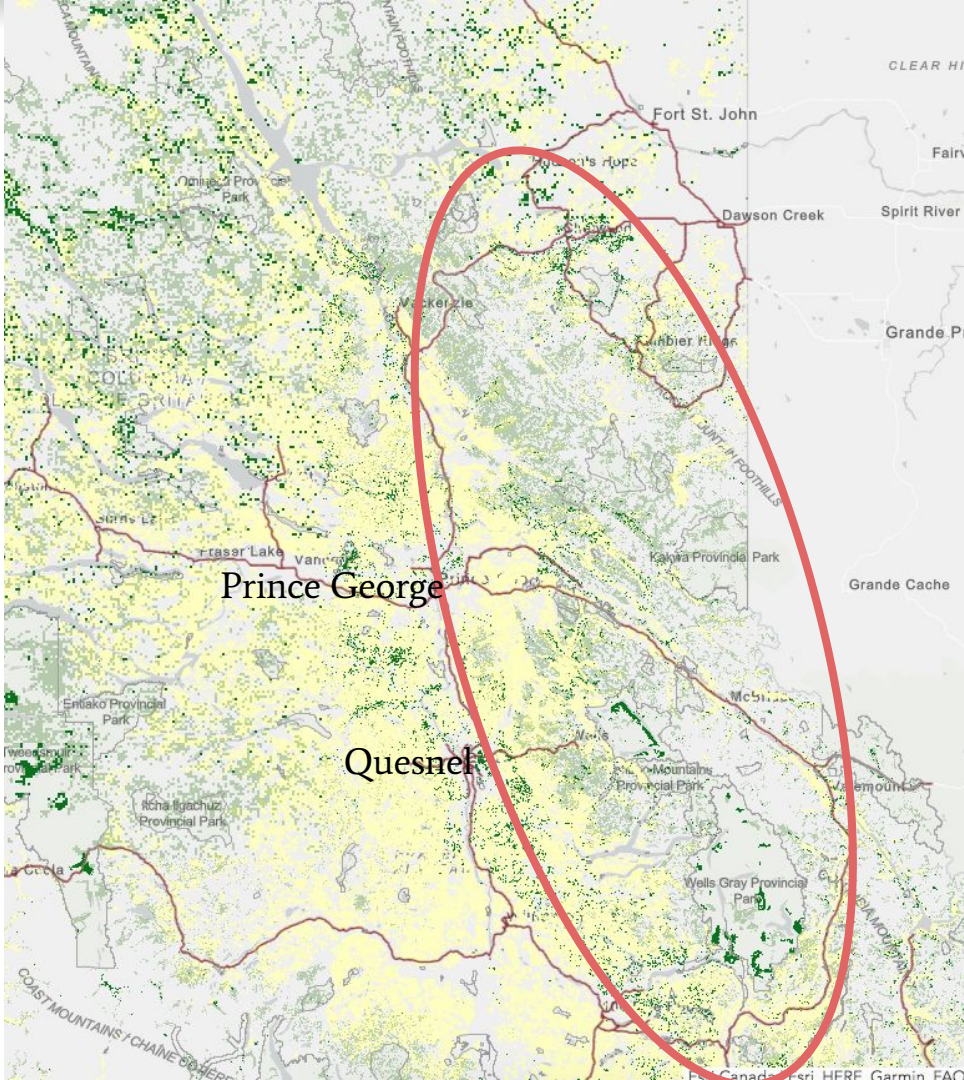

Pacific CTR (CWH)
Kispiox ITR (ICH Wet Cold, Very Wet Cold and Moist Cold)
Caribou ITR (ICH Wet and Very Wet)
Interior Wetbelt (ICH Moist)
Kispiox
Ancient Forest Trail
Butze
Giant Cedars Trail
Calvert
West Arm Park
Vargas
135°W
130°W
125°W
120°W
115°W
110°W
55°N
50°N
45°N
40°N
0 125 250 500 km


Fort St. John
Dawson Creek
Prince George
Quesnel
Grande Cache
Kakwa Provincial Park
Entiako Provincial Park
Wells Gray Provincial Park
Esri, HERE, Garmin, FAO

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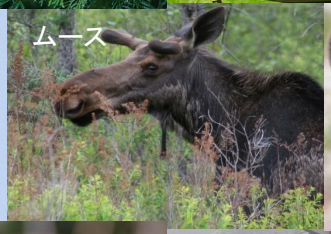

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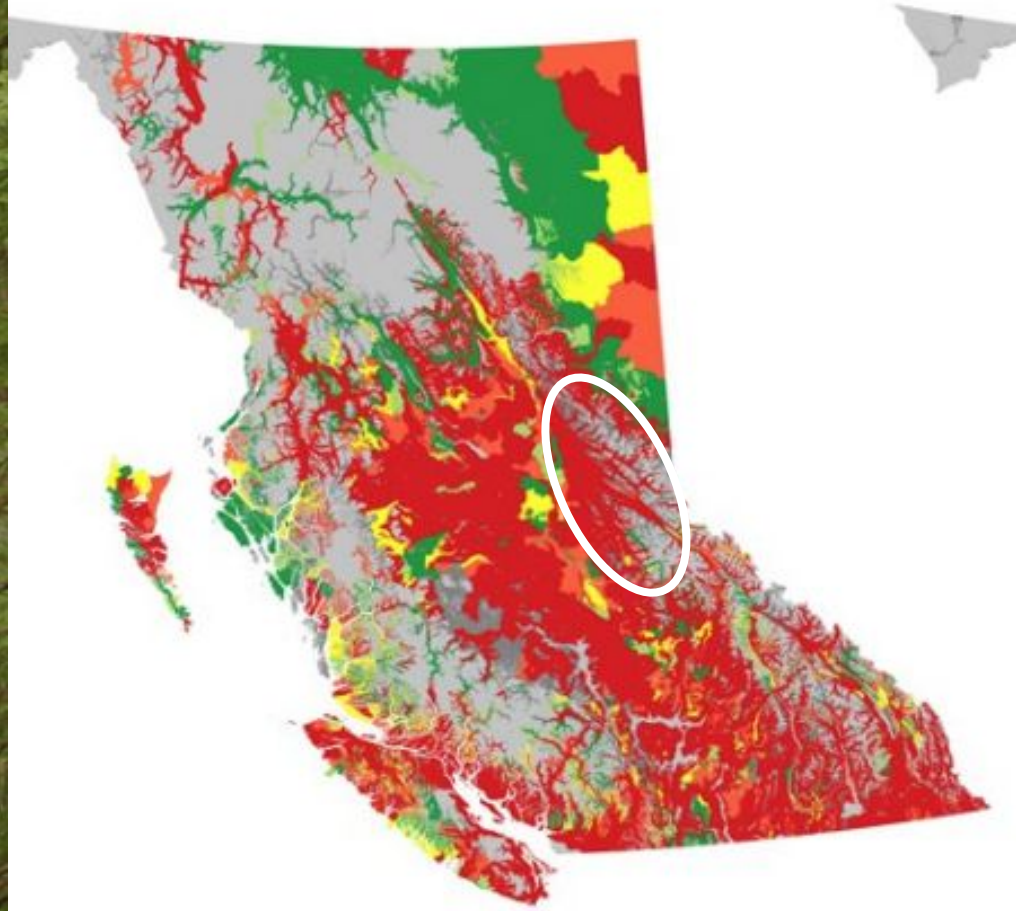
BC's Old Growth Forest: A Last Stand for Biodiversity

April 2020

Karen Price, Ph.D., Rachel F. Holt, Ph.D., R.P.Bio
and Dave Daust R.P.F., M.Sc.



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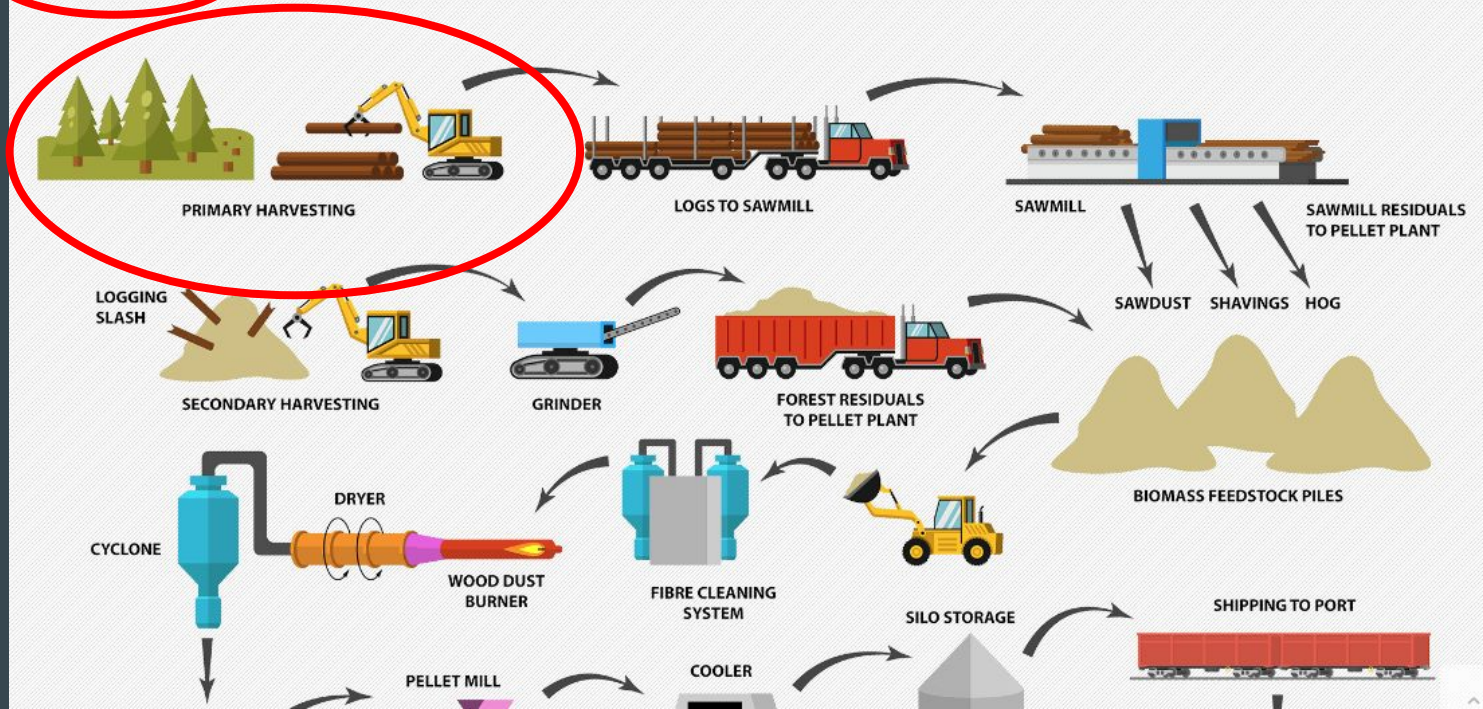
Pinnacle社によって伐採されたエリア
（2017年頃）

WOOD PELLET FUEL BASICS

Wood pellets are an efficient, cost-effective alternative source of energy that can be used in a number of power and heat applications. They are a solid renewable fuel consisting of dried, compressed wood fibers from:

- Sawmill residuals (sawdust and shavings);
- Logging debris, such as forest debris piles; and
- Whole logs.

丸太



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Tel. +49 8724 / 899-0 | E-Mail: sales@stela.de | www.st

Features > Pellets

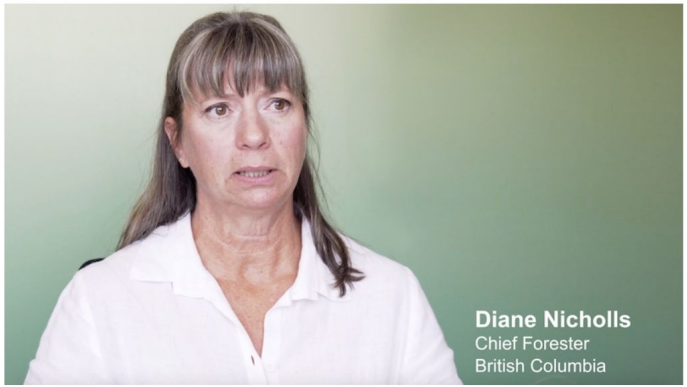
Diane Nicholls: Pellets a good news story for BC's forests

December 9, 2020

By WPAC

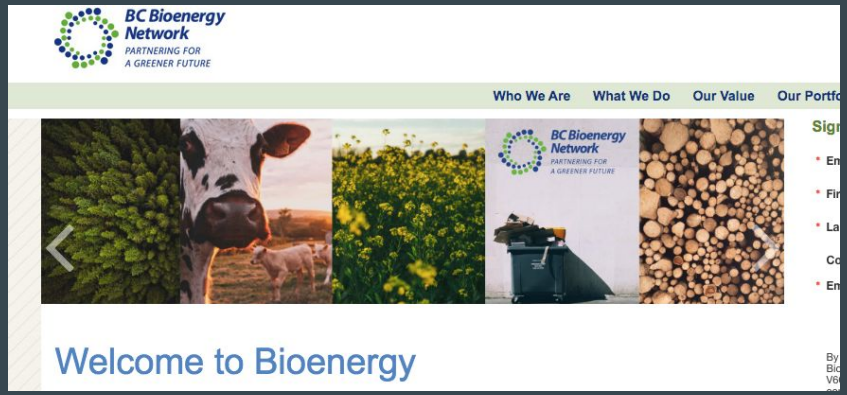
Topics

Pellets



British Columbia's Chief Forester Diane Nicholls believes that the province has one of the best sustainable forest management regimes in the world and that pellets are a critical piece of forest health and the future of the bioeconomy.

https://www.canadianbiomassmagazine.ca/diane-nicholls-pellets-a-good-news-story-for-bcs-forests/より



「まだ利用していない木がある。そこが”バイオエコノミー”のチャンスだ。その木にアクセスする唯一の方法は、森からの伐採・搬出方法をかえる努力を通してだ。」

Chief Forester Diane Nicholls, June 25, 2020

BRITISH COLUMBIA

MINISTRY OF FORESTS, LANDS, NATURAL RESOURCE OPERATIONS AND RURAL DEVELOPMENT

Prince George Timber Supply Area

Rationale for Allowable Annual Cut (AAC) Determination

Effective October 11, 2017

Diane Nicholls, RPF
Chief Forester

current practice.

- *western hemlock leading stands*

Western hemlock is at the northern extent of its range in the Interior Cedar Hemlock (ICH) biogeoclimatic zone within the Prince George TSA and experiences extensive rot when mature. Western hemlock-leading stands make up 32 544 hectares of the CFMLB. In 2016 a bioenergy opportunity was offered as a 10-year non-replaceable forest licence (NRFL) for 25 000 cubic metres per year in this stand profile. Ministry staff report that to date no harvest has occurred on this licence and to date no forest stewardship plan has been submitted for approval. In the base case western hemlock-leading stands were removed from the THLB.

I accept that current practice is that western hemlock-leading stands have marginal utilization within the Prince George TSA and were appropriately removed from the THLB. I note that removal of these stands from the THLB does not preclude future development of opportunities within these stands. If, in future TSRs, harvest performance is demonstrated in these stands the chief forester will consider whether or not they should contribute to the THLB at that time.

- *bioenergy*

As a result of the impact of MPB on mature timber in the Prince George TSA, alternative opportunities for fibre utilization have been identified. A significant opportunity is the use of fibre for the production of bioenergy including electricity production, fueling of hot water-based heating systems, and manufacture of fuel pellets. The previous AAC determination included a contribution of 1.5 million cubic metres per year from bioenergy stands; however, the rationale did not provide a clear definition of the characteristics of bioenergy stands.

All bioenergy licences awarded and contemplated in the Prince George TSA have included a definition of eligible stands. These licences apply to stands below sawlog specifications to ensure protection of current commitments to sawlog licensees. Ministry staff indicate that to date, minimal harvesting has occurred

48

4.4.6 *Forest carbon management*

The Intergovernmental Panel on Climate Change recognizes that land-based actions, including forest management, are critical to addressing climate change and its impacts. With that in mind, the Province launched the Forest Carbon Initiative (FCI) in 2017, supported by the federal Low Carbon Economy Leadership Fund.

The FCI is investing in a range of activities including fertilization, reforestation, and using forest residues to generate bio-fuels. These investments are advancing B.C. government priorities, such as:

- revitalizing the forest sector
- partnering with Indigenous Nations to help advance reconciliation
- supporting the Province's CleanBC commitments to reduce waste, develop more bio-fuels, generate more hydrogen and make the transition to a low-carbon economy, and
- providing economic benefits for rural communities, helping to make life more affordable for all British Columbians

By 2022, the province will have planted at least 70 million trees through FCI activities, including post-wildfire through the Cariboo and Provincial Reforestation projects. The federal government has also committed to planting two billion trees over the next 10 years. For more on the FCI and a link to the FCI Project Portal, go to https://www2.gov.bc.ca/gov/content?id=3919ABD1BBC747069352CE0C5F84A37F.

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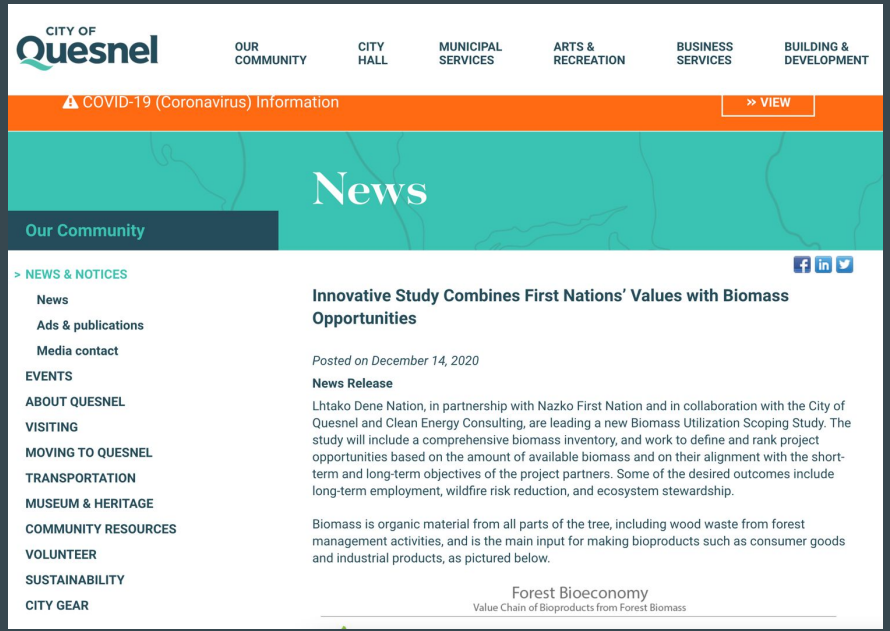
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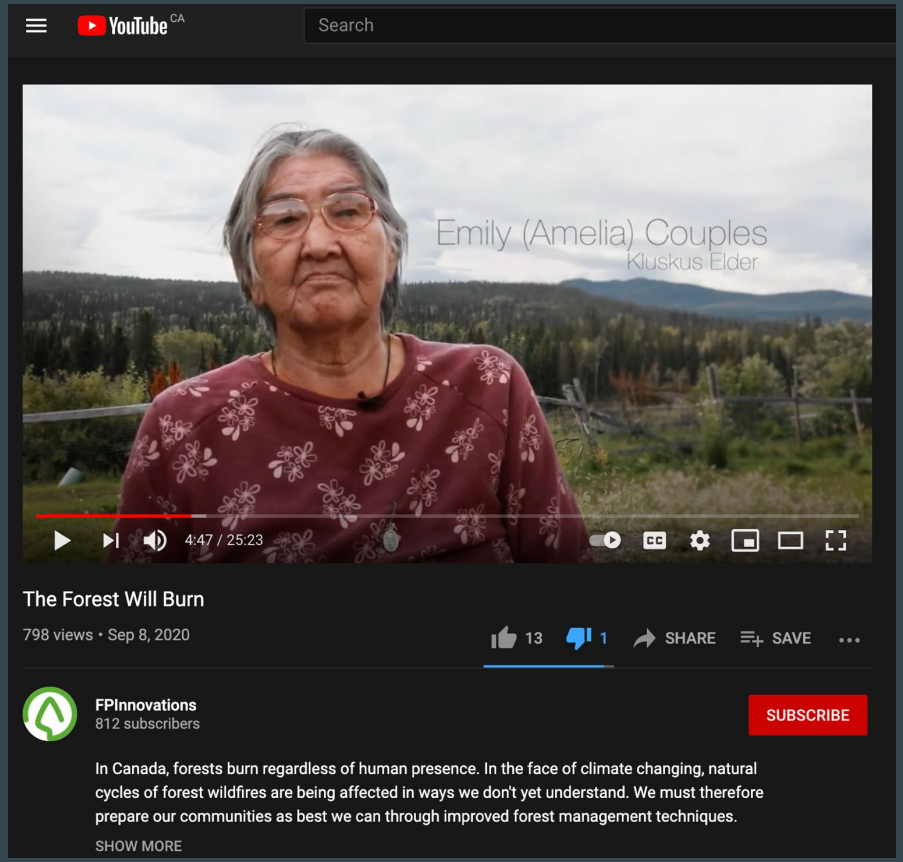
SUSTAINABILITY
CITY GEAR
Innovative Study Combines First Nations' Values with Biomass Opportunities
Posted on December 14, 2020
News Release
Lhtako Dene Nation, in partnership with Nazko First Nation and in collaboration with the City of Quesnel and Clean Energy Consulting, are leading a new Biomass Utilization Scoping Study. The study will include a comprehensive biomass inventory, and work to define and rank project opportunities based on the amount of available biomass and on their alignment with the short-term and long-term objectives of the project partners. Some of the desired outcomes include long-term employment, wildfire risk reduction, and ecosystem stewardship.
Biomass is organic material from all parts of the tree, including wood waste from forest management activities, and is the main input for making bioproducts such as consumer goods and industrial products, as pictured below.
Forest Bioeconomy
Value Chain of Bioproducts from Forest Biomass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In Canada, forests burn regardless of human presence. In the face of climate changing, natural cycles of forest wildfires are being affected in ways we don't yet understand. We must therefore prepare our communities as best we can through improved forest management techniques.
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“低炭素”？
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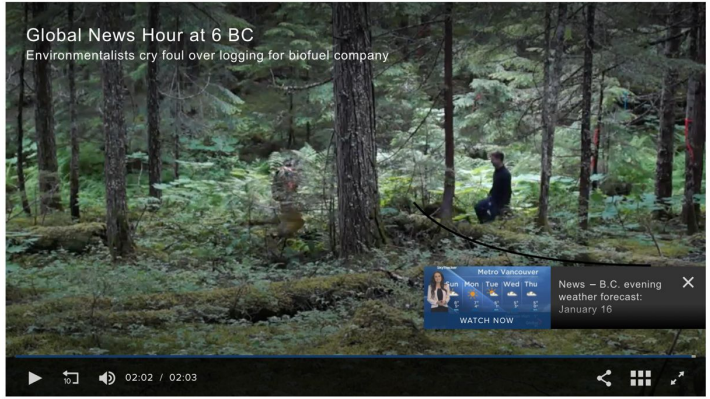
Pellets for power: liquidating rainforests for the grid

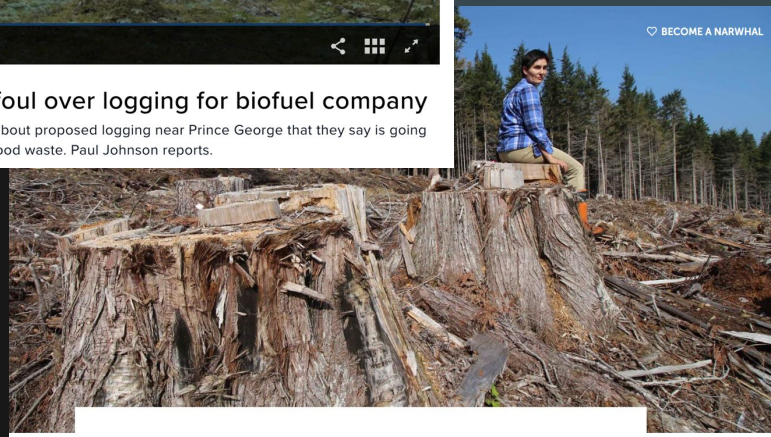
GLOBAL NEWS HOUR AT 6 BC October 16 2020 8:42pm 02:03



Environmentalists cry foul over logging for biofuel company

Environmentalists are raising red flags about proposed logging near Prince George that they say is going to a company that's supposed to use wood waste. Paul Johnson reports.

BECOME A NARWHAL



NEWS

B.C. gives Pacific BioEnergy green light to log rare inland rainforest for wood pellets

Conservation North director and ecologist Michelle Connolly sits in front of B.C.'s rare inland rainforest, which it set to be logged for pellets this winter. Photo: Sean O'Rourke

Prince George plant will grind ancient cedar and hemlock into pellets to be burned for fuel overseas, destroying forest that's home to endangered caribou and vast stores of carbon

Matt Simmons, Local Journalism Initiative reporter • Oct 9, 2020 9 min read

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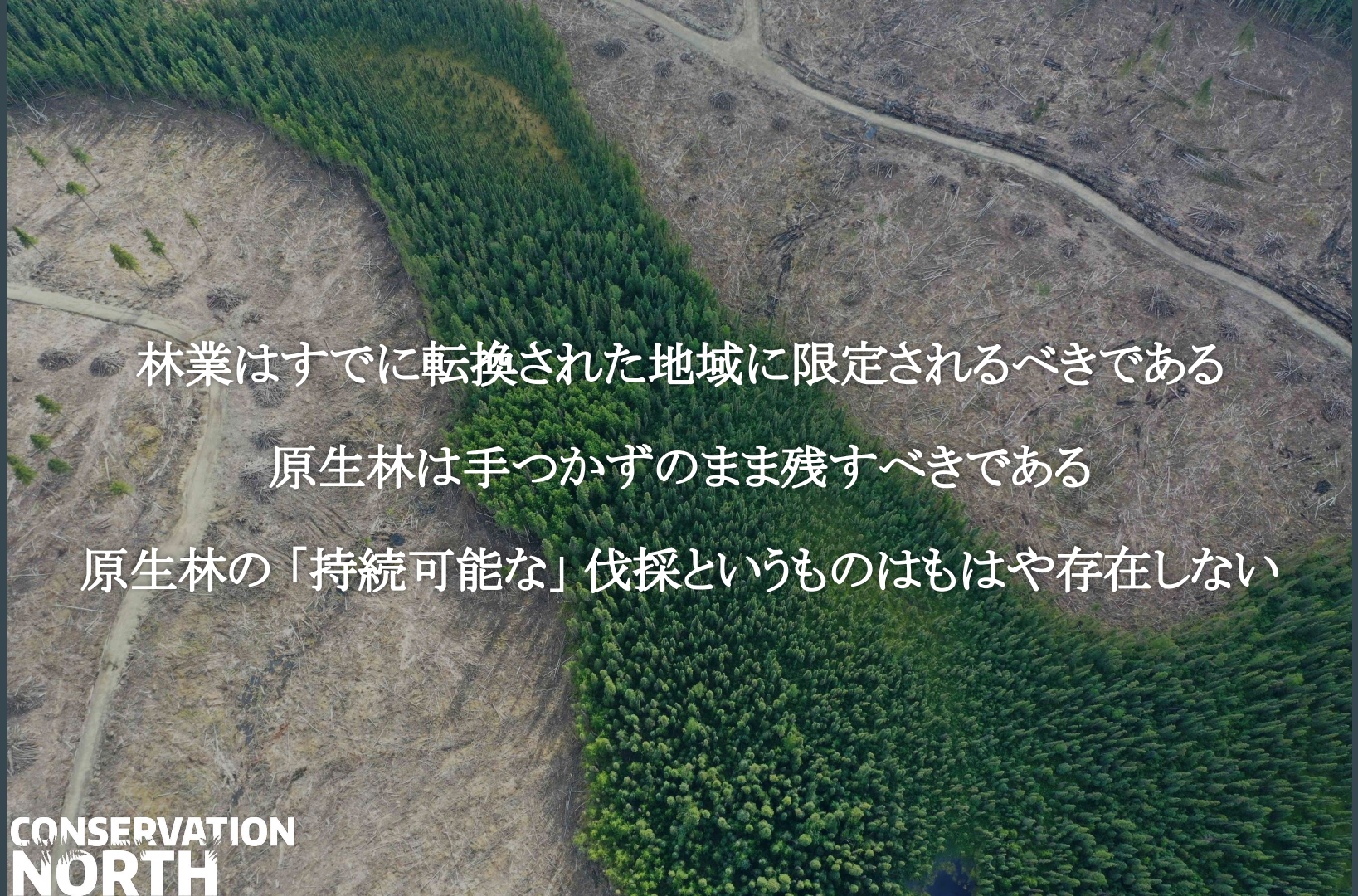

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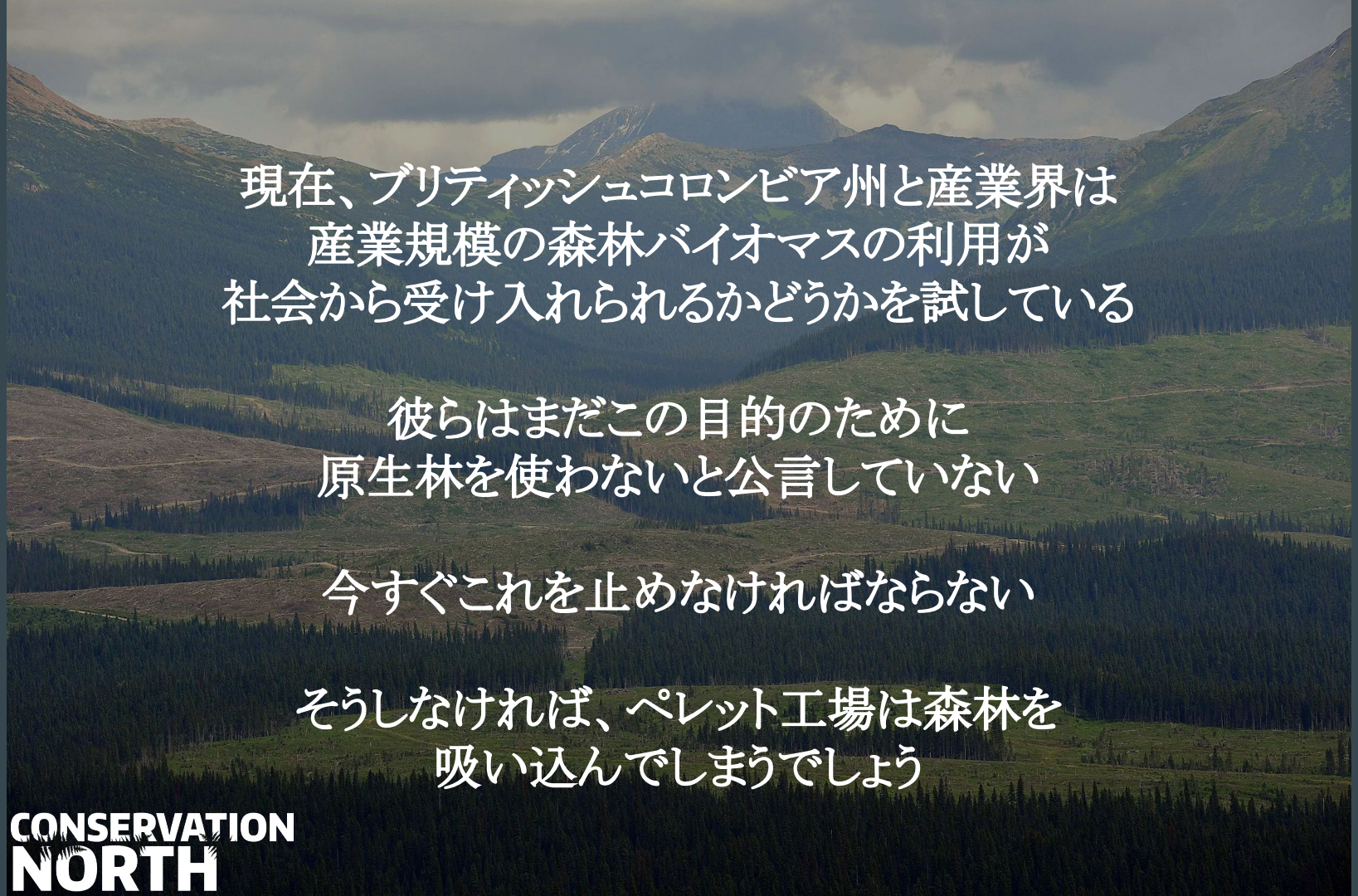

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