



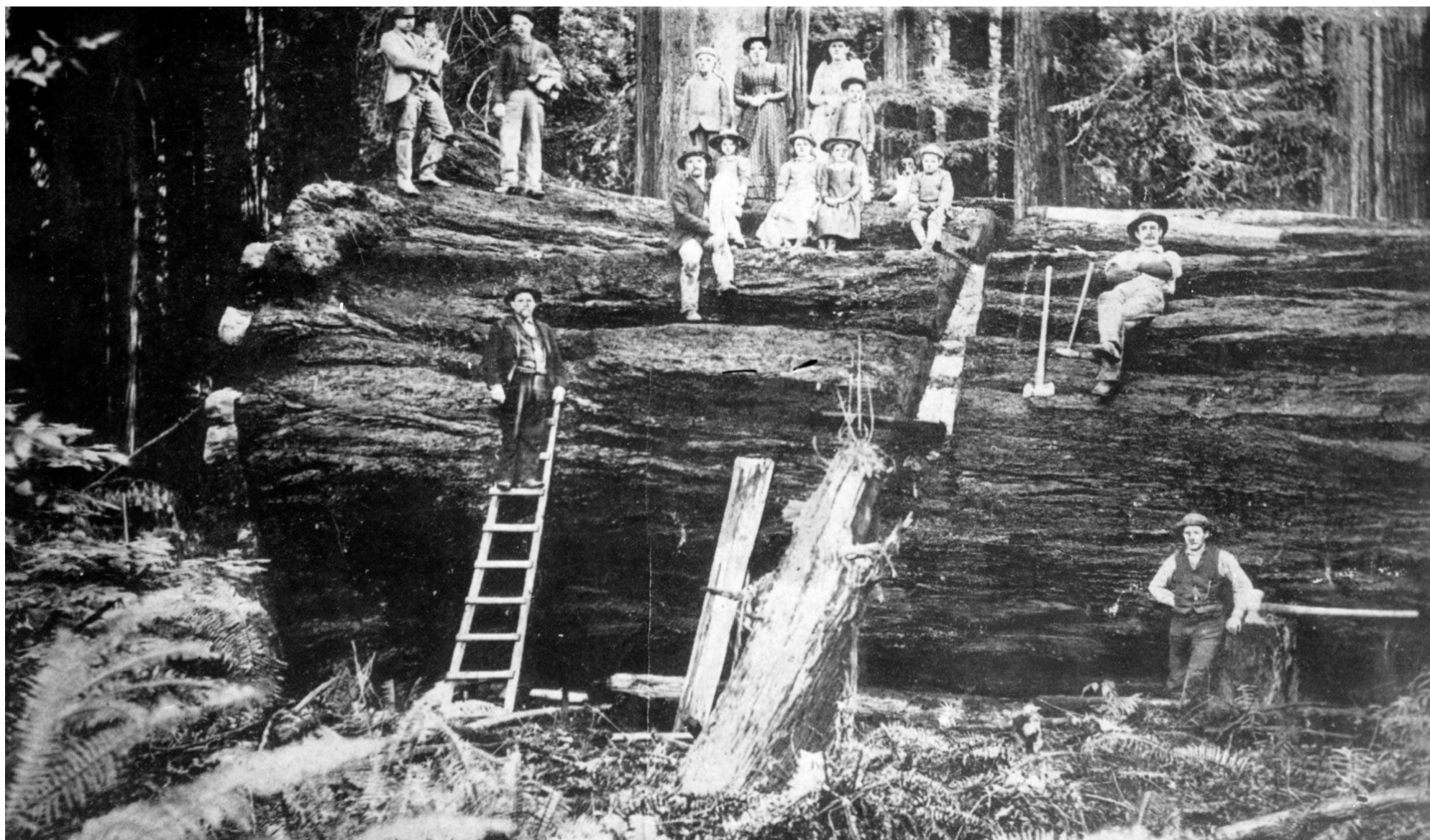
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Roger Smith

ロジャースミス

Japan Director | 日本プロジェクト統括マネージャー

roger@mightyearth.org



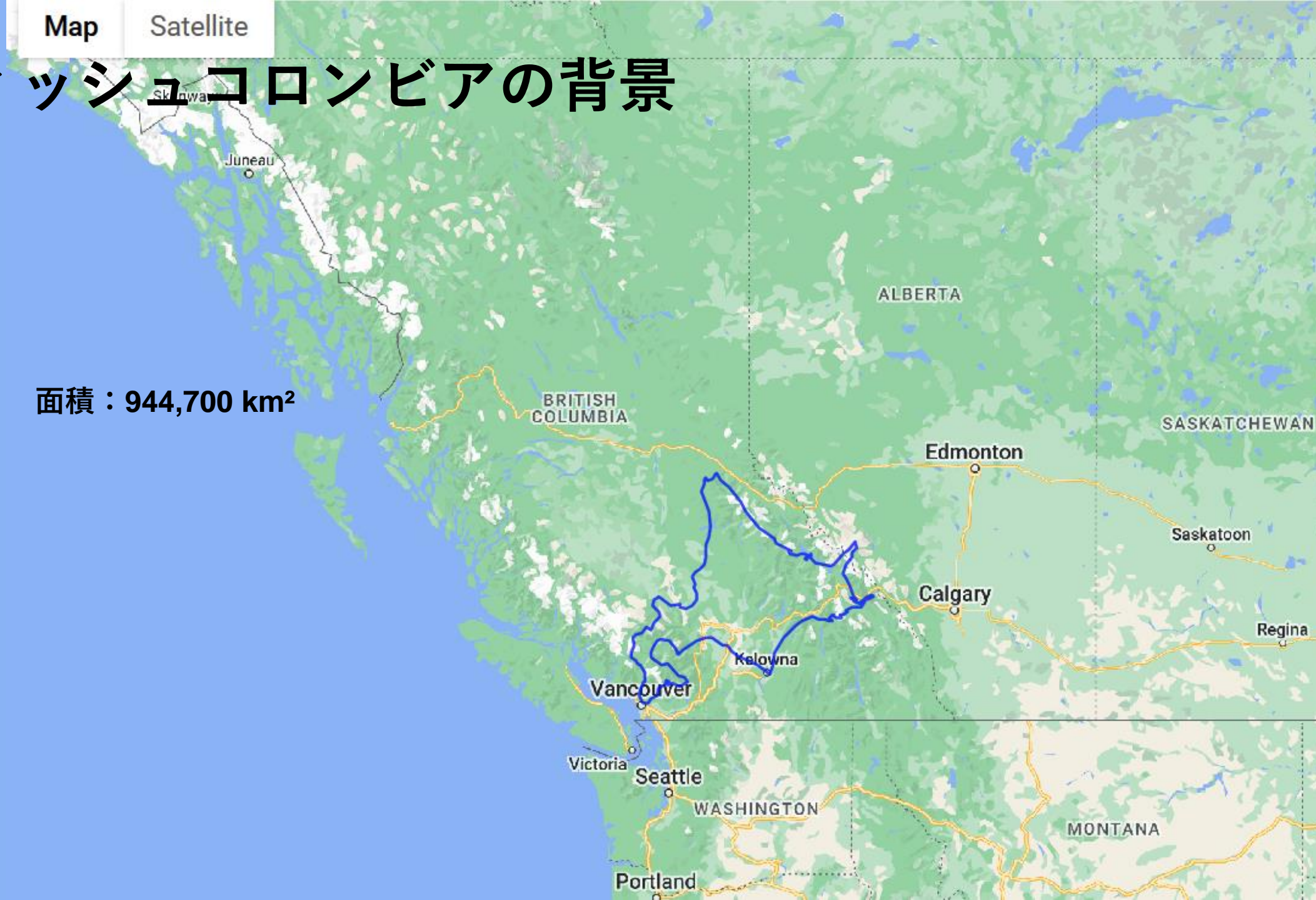
バンクーバー周辺の老齢木約1890年

Map

Satellite

ブリティッシュコロンビアの背景

面積：944,700 km²



ブリティッシュ コロンビア

バンクーバー島

北方林

内陸温帯雨林

Terrain
View topography and elevation



The Court	Cases	Judges	Act and Rules	Parties	Media	Visits	Library	Jobs	
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Supreme Court Judgments

Tsilhqot'in Nation v. British Columbia

Collection: Supreme Court Judgments
Date: 2014-06-26
Neutral citation: 2014 SCC 44
Report: [2014] 2 SCR 257
Case number: 34986
Judges: McLachlin, Beverley; LeBel, Louis; Abella, Rosalie Silberman; Rothstein, Marshall; Cromwell, Thomas Albert; Moldaver, Michael J.; Karakatsanis, Andromache; Wagner, Richard
On appeal from: British Columbia
Subjects: Aboriginal law
Notes: SCC Case Information: [34986](#)



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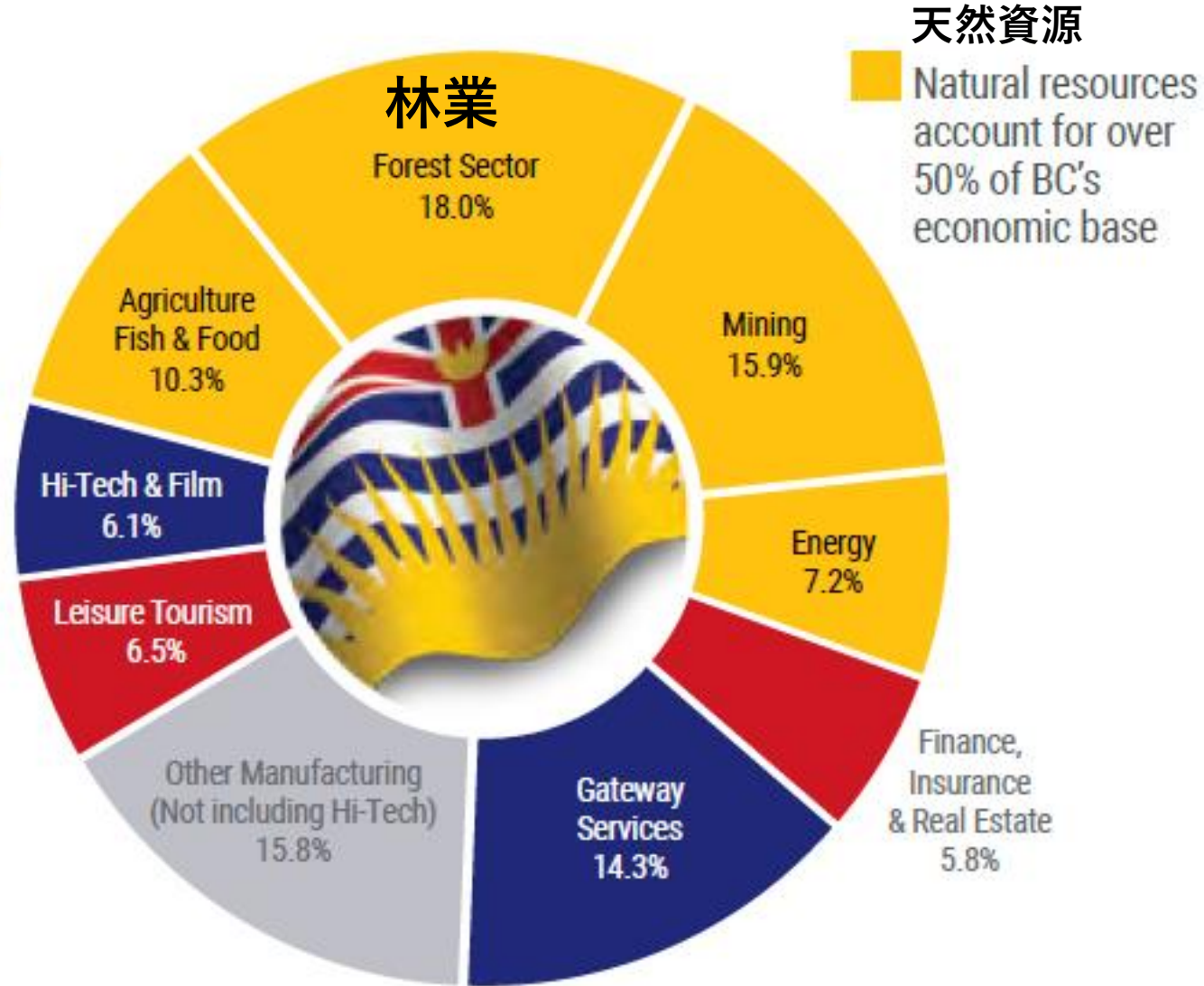


SUPREME COURT OF CANADA

CITATION: Tsilhqot'in Nation v. British Columbia, 2014 SCC 44, **DATE:** 20140626
[2014] 2 S.C.R. 256 **DOCKET:** 34986

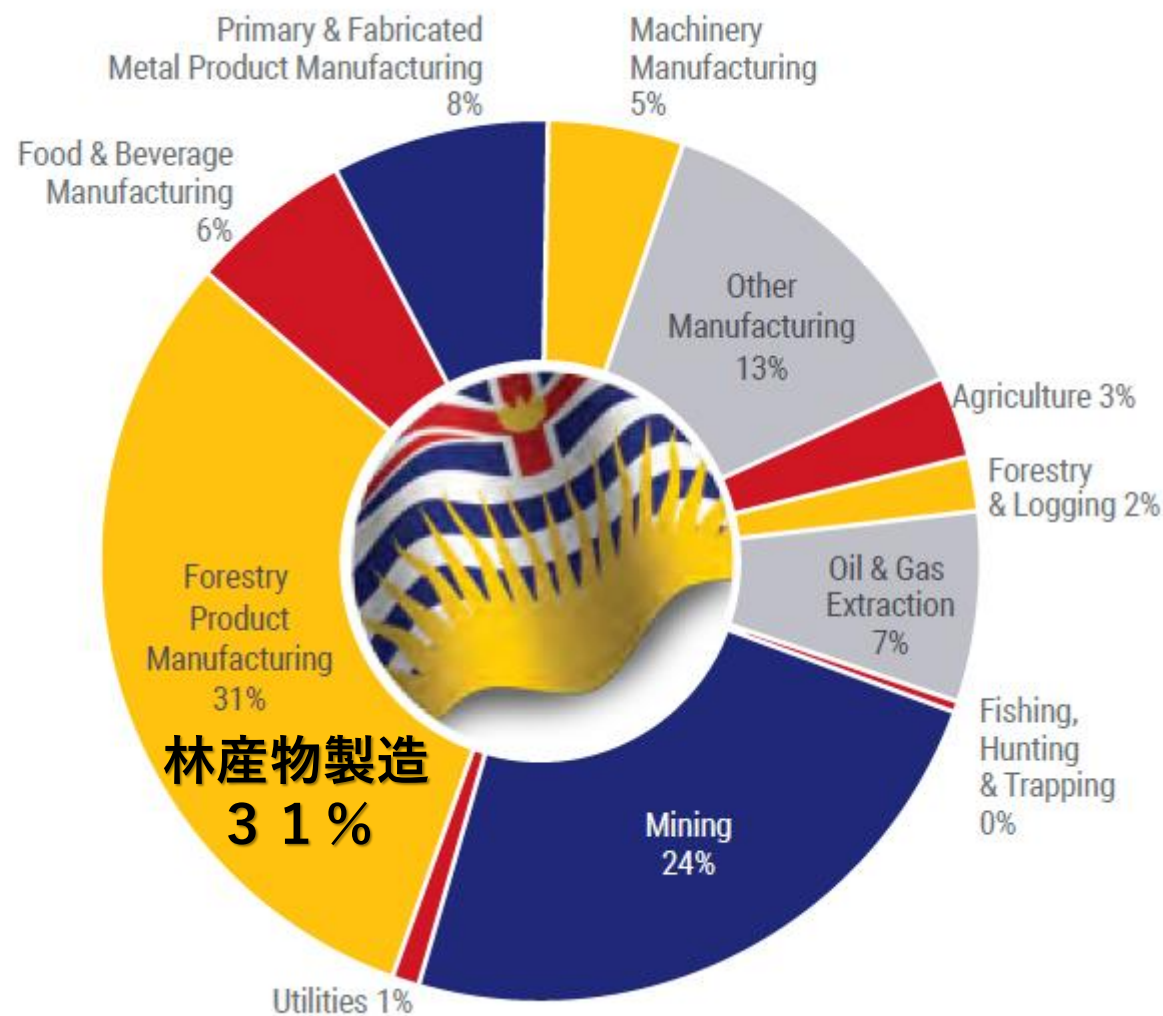
BETWEEN:
Roger William, on his own behalf, on behalf of all other members of the Xeni Gwet'in First Nations Government and on behalf of all other members of the Tsilhqot'in Nation
Appellant
and

British Columbia's Economic Base



British Columbia's Origin Exports by Industry 2018

産業別の輸出 2018年

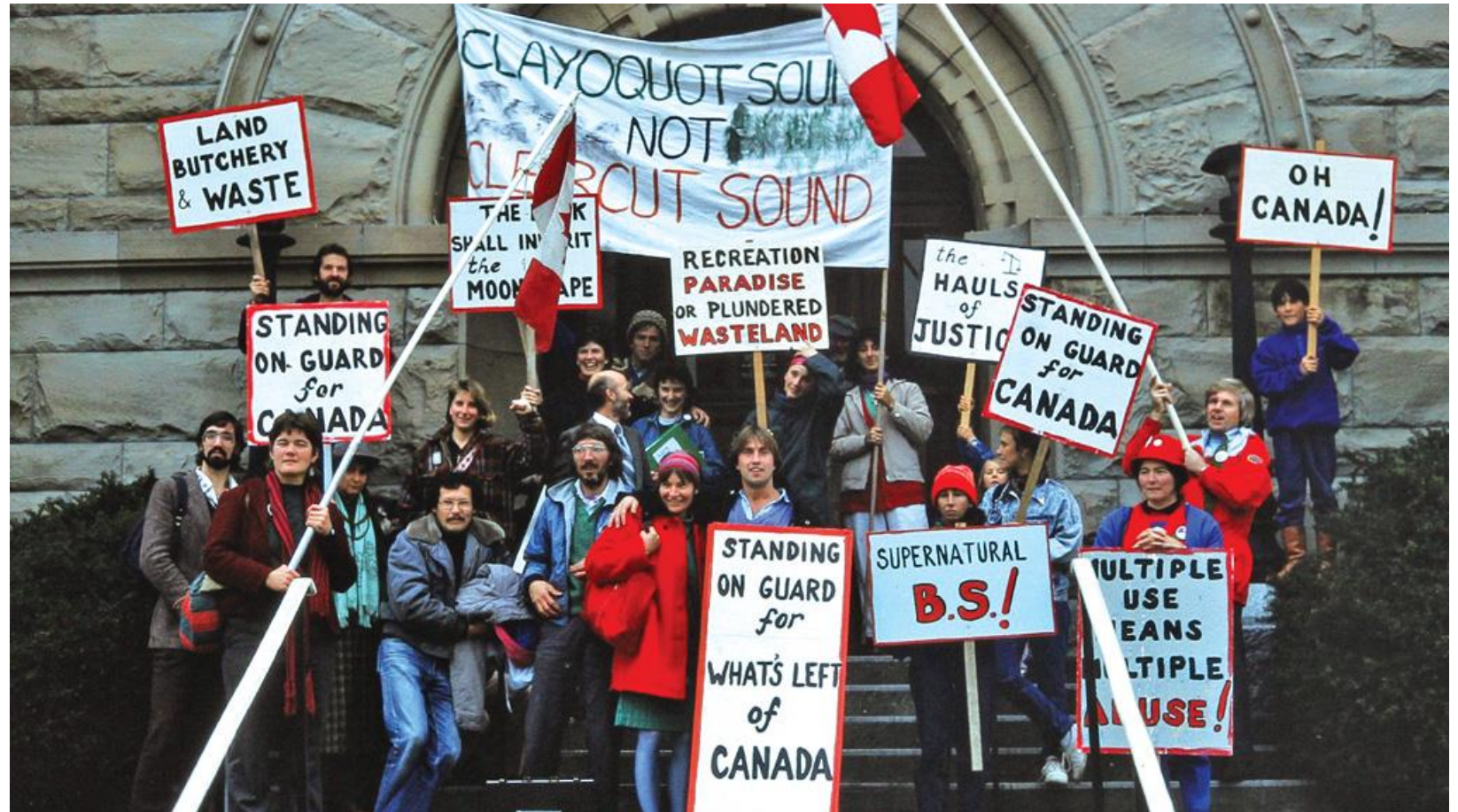
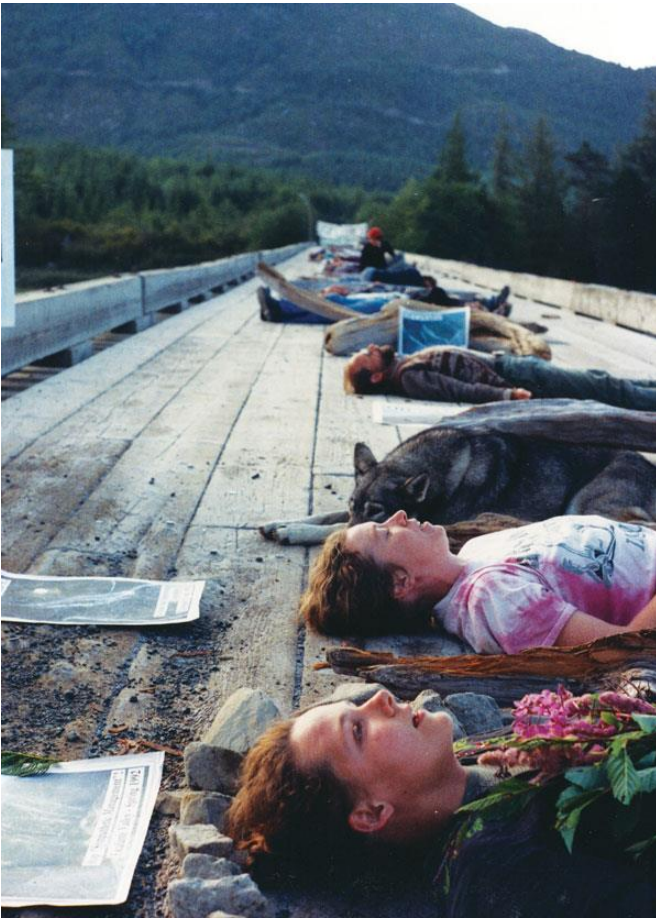


製材所の倒産

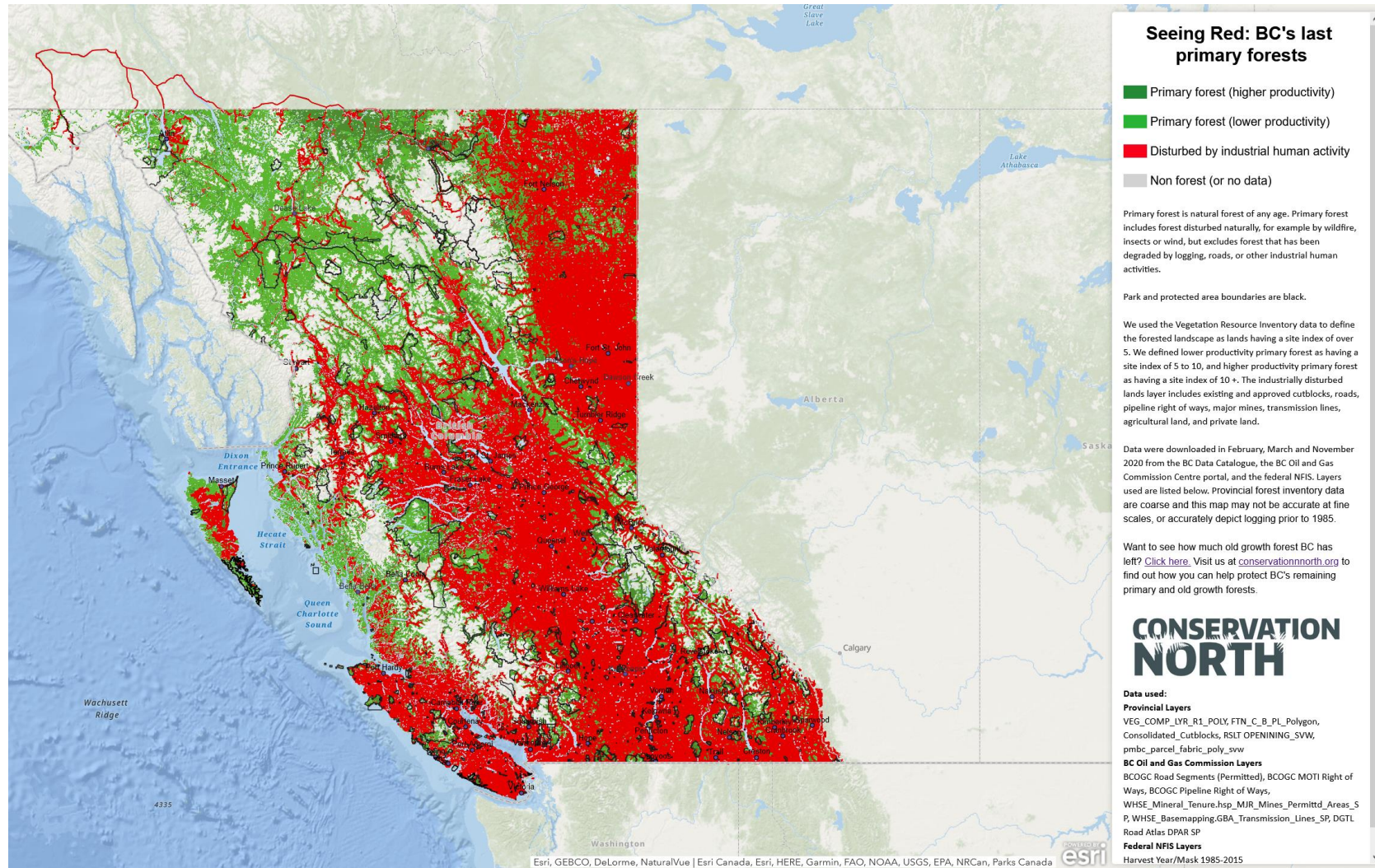
B.C. INTERIOR

Over the past decade, sawmill capacity in the B.C. Interior was scaled up to recover value from the extensive tracts of beetle-killed timber before it decayed or burned. Now, as these beetle harvests end, some of the least competitive or most fibre-compromised mills must close. This difficult but long-anticipated adjustment has begun, and companies have announced permanent closures of sawmills in Quesnel, Vavenby and Clinton, as well as multiple indefinite closures of other facilities.

“War in the Woods” 90年代




Seeing Red: BC's Last Primary Forests



Conservation North

<https://consnorth.maps.arcgis.com/apps/webappviewer/index.html?id=d1620f43f9084a99a4921e5e8b9b98dds>

Collapse of ITR



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





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Red-Listed Ecosystem Status of Interior Wetbelt and Inland Temperate Rainforest of British Columbia, Canada

by  Dominick A. DellaSala ^{1,*}  James R. Strittholt ²  Rebecca Degagne ²  Brendan Mackey ³  Jeffery R. Werner ⁴  Michelle Connolly ⁵  Darwyn Coxson ⁴  Andrew Couturier ⁶ and  Heather Keith ³

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Land **2021**, *10*(8), 775; <https://doi.org/10.3390/land10080775>

Received: 11 June 2021 / Revised: 15 July 2021 / Accepted: 20 July 2021 / Published: 23 July 2021

(This article belongs to the Special Issue Identifying Endangered Terrestrial Ecosystems)

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Abstract

The Interior Wetbelt (IWB) of British Columbia, which includes the globally rare Inland Temperate Rainforest (ITR), contains primary forests poorly attributed and neglected in conservation planning. We evaluated the IWB and ITR using four IUCN Red List of Ecosystems Criteria: geographic distribution, environmental degradation (abiotic and biotic factors), and likelihood of ecosystem collapse. Clearcut logging (3.2M ha) represented 57% of all anthropogenic disturbances, reducing potential primary forest by 2.7 million ha (28%) for the IWB and 524,003 ha (39%) for the ITR. Decadal logging rates nearly doubled from 5.3% to 10.2% from 1970s–2000s. Core areas (buffered by 100-m from roads and developments) declined by 70% to 95% for the IWB and ITR, respectively. Vulnerable was assigned to karst, the only abiotic factor assessed, because it was associated with rare plants. For biotic factors, Old-Growth Birds were Vulnerable, Southern Woodland Caribou (*Rangifer tarandus caribou*) habitat and Sensitive Fish were Endangered, and Old-Growth Lichens habitat was Critical. Overall, the IWB was ranked as Endangered and the ITR as Critical with core area collapse possible within 9 to 18 years for the ITR, considered one of the world's most imperiled temperate rainforests.

Keywords: British Columbia; inland temperate rainforest; interior wetbelt; endangered; critical; collapse

2021年7月

<https://www.mdpi.com/2073-445X/10/8/775>



森林火災

DH News

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WEATHER

Vancouver has the worst air quality in the world this weekend



Sarah Anderson | Sep 12 2022, 2:25 am



Daily Hive

ホーガン知事の森林保護提言



Premier John Horgan | October 19, 2020

A new approach to old forests

SHARE

SHARE

「老齢林は、唯一無二のかけがえのない複雑な生態系であり、独自の本質的価値を持っており、立木の価値だけでなく、生態系全体の健全性を優先すべきであることを認識している」

It's time we had a paradigm shift when it comes to the abundant natural resources that surround us. Only by protecting what makes our province so special can we build long-term prosperity.



抗議 (Fairy Creek)

CANADA'S
**NATIONAL
OBSERVER**

Protest over old-growth logging on Vancouver Island marks one year

By Brenna Owen | News | August 30th 2021



CBC | MENU | Beijing 2022

NEWS

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カナダの歴史上最大の市民的不服従運動

British Columbia

Fairy Creek protest on Vancouver Island now considered largest act of civil disobedience in Canadian history

882 arrests made so far at the old-growth logging protest on Vancouver Island surpasses Clayoquot Sound

Karin Larsen · CBC News · Posted: Sep 09, 2021 3:07 PM PT | Last Updated: September 25, 2021



Police prepare to arrest activists who chained themselves together to block a road into the headwaters of the

<https://www.cbc.ca/news/canada/british-columbia/fairy-creek-protest-largest-act-of-civil-disobedience-1.6168210>

木質バイオマス

丸太





住友商事

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2017年07月21日

住友商事株式会社

カナダにおける木質ペレット製造会社への資本参画について

住友商事株式会社（本社：東京都中央区、代表取締役 社長執行役員 CEO：中村邦晴、以下「住友商事」）は、木質ペレットの製造会社Pacific BioEnergy Corporation（パシフィック バイオエナジー コーポレーション）（本社：カナダ ブリティッシュコロンビア州、社長：Donald Steele、以下「PBEC」）の株式を47.6パーセント取得し、カナダにおける木質ペレット製造事業に参入しました。

木質ペレットは、乾燥した木材を細粉し、圧縮成形したバイオマス燃料であり、環境への影響が少なく、効率性の高い発熱量を得られることから注目を集めています。EU各国に加え、日本をはじめとするアジアでもバイオマス発電の需要が増加しており、木質ペレットの需要も拡大する見込みです。特に、日本においては2015年に政府が策定した2030年度の電源構成（エネルギーミックス）※の実現に向けた発電効率向上の一手段として注目されています。

カナダは、国際的な森林認証制度を取得した、適切に管理された持続可能な森林の面積で世界最大を誇ります。中でも、ブリティッシュコロンビア州は60百万ヘクタールを超える森林面積を背景に木材産業が主幹産業として根付いており、世界でも有数の良質な木質ペレットの供給地となっています。PBECは同州内に3か所の工場を保有、年間550千トン超の木質ペレットを取り扱っており、カナダ第2位の生産能力です。

住友商事は、2008年に発電用バイオマス燃料の対日輸入ビジネスを開始しました。バイオマス燃料を日本の再生可能エネルギーの普及促進のための有望なエネルギー源と捉え、国産バイオマス燃料を補完する位置づけで海外の安定ソースの開拓を進めてきました。PBECへの資本参画を通じて木質ペレットの長期・安定的な供給体制を構築し、再生可能エネルギーの普及促進に貢献していきます。

※電源構成のうち、再生可能エネルギーは22～24%、バイオマス発電は4%とされている。

https://www.sumitomocorp.com/ja/jp/news/release/2017/group/20170721_1

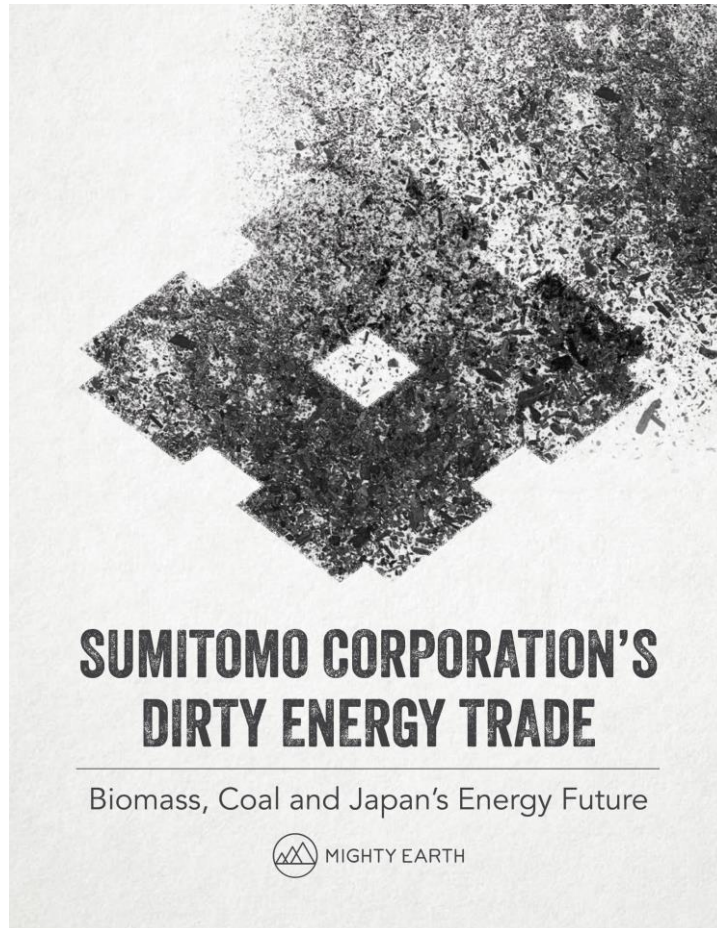
PBEC=Pacific BioEnergy

パシフィック・バイオエネルギー



老齡樹がパシフィック・バイオエナジー社によって伐採のタグが付けられた
2020年

2019年12月



www.mightyearth.org/sumitomojp/

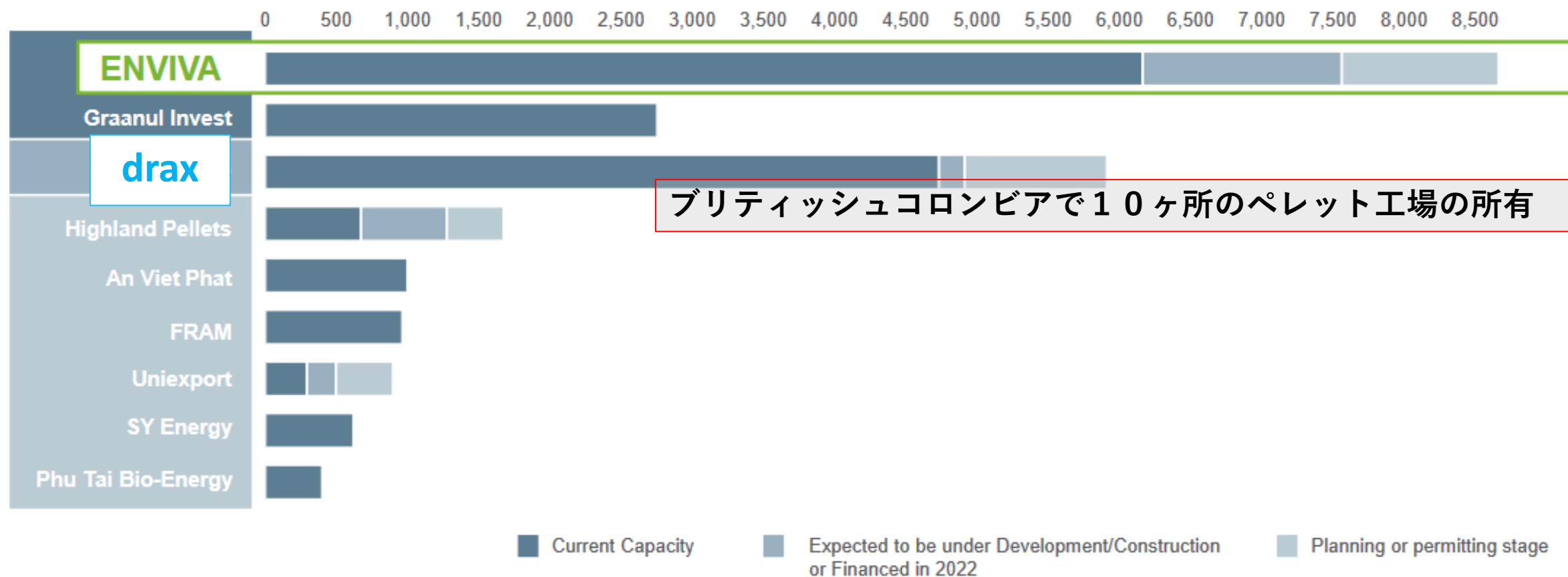


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3rd party supply and own-use

Attractive 3rd party supply business

US\$4.5bn of contracted sales to 3rd parties

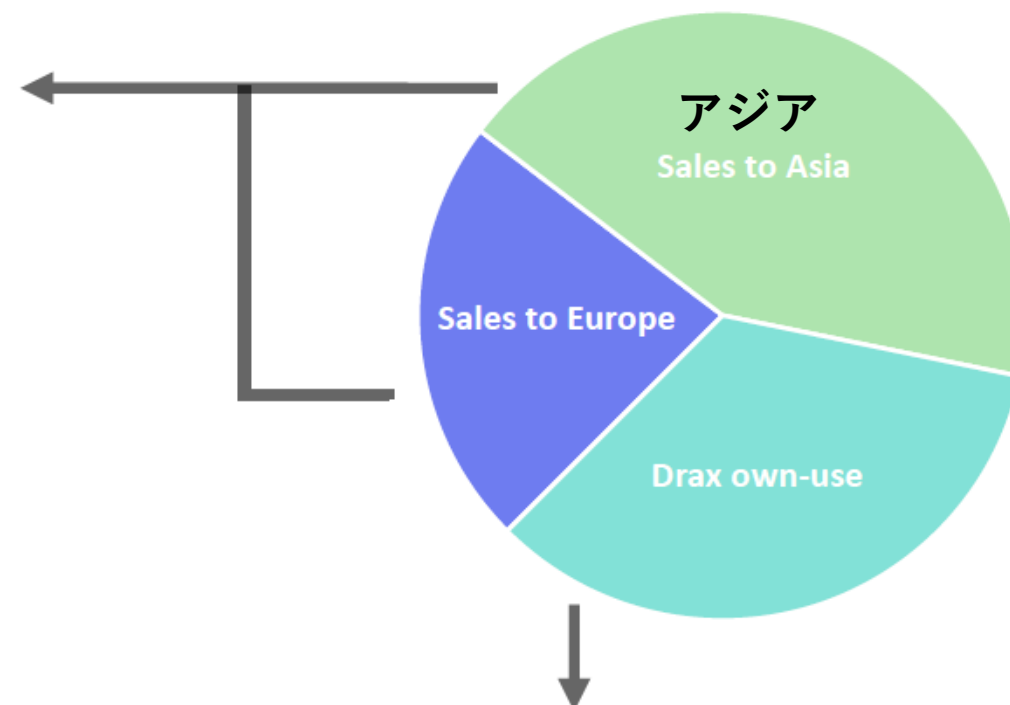
22Mt of contracted sales to 3rd parties

Contracts extending to mid-2030s

High-quality Asian and European counterparties



Diversified long-term offtake



Additional capacity for own-use

14Mt own-use through 2026

Long-term capacity to support BECCS, additional 3rd party supply and generation models

New capacity required to support further growth in 3rd party demand and own-use

Drax expands its operations into Asia to support region's renewable energy transition

Renewable energy company Drax Group is expanding its operations into Japan as part of its ambitions to increase sustainable biomass sales to support energy security and decarbonisation in Asia.



リスク・マップ

ペレット工場

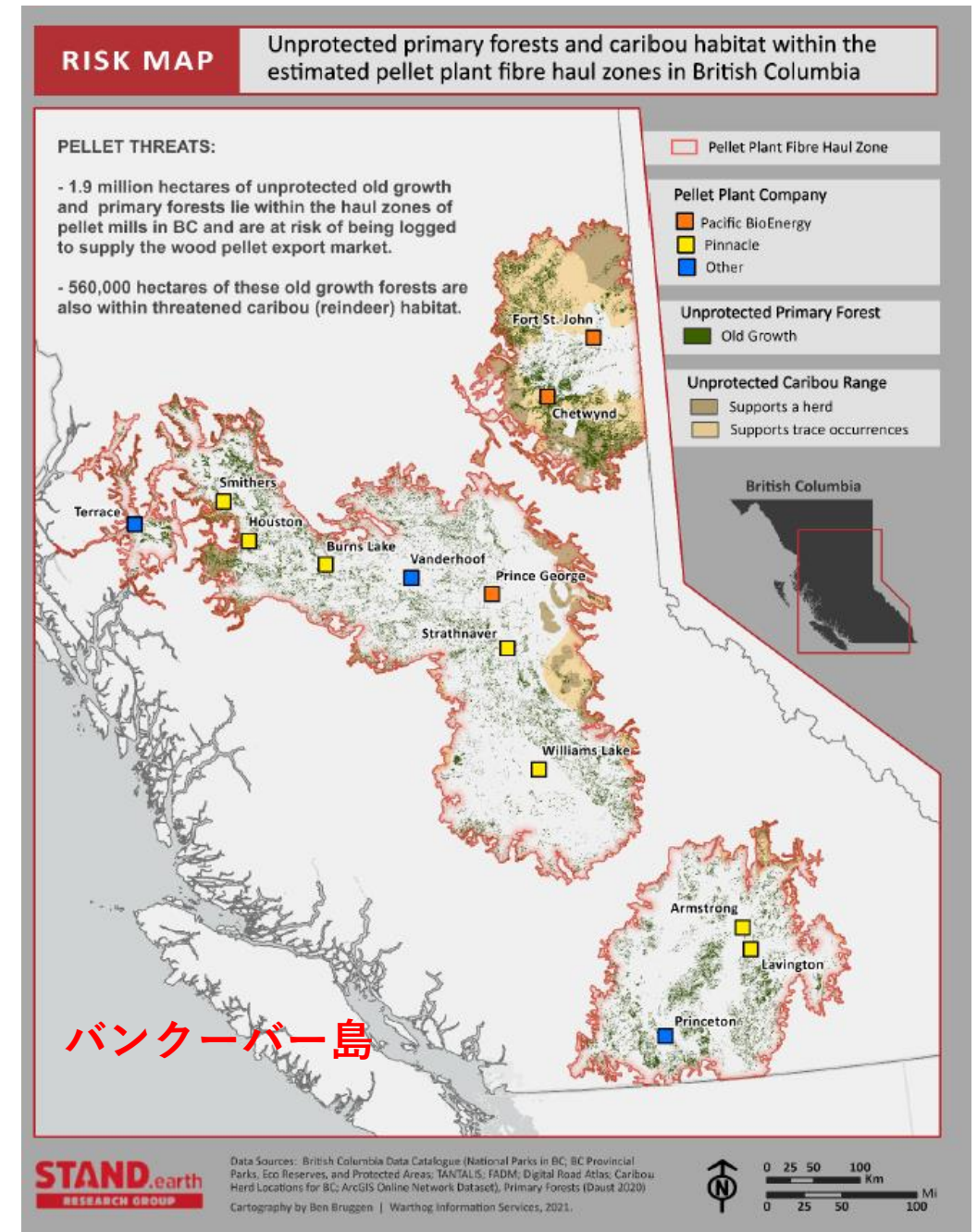
■ パシフィック・バイオエネルギー

■ ピナクル

■ 原生林

■ カリブーの生息地

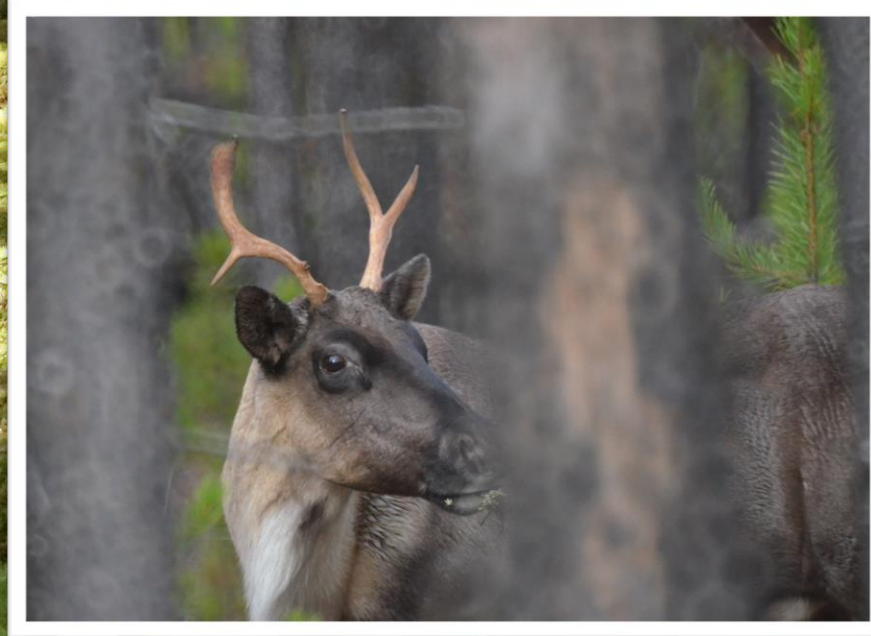
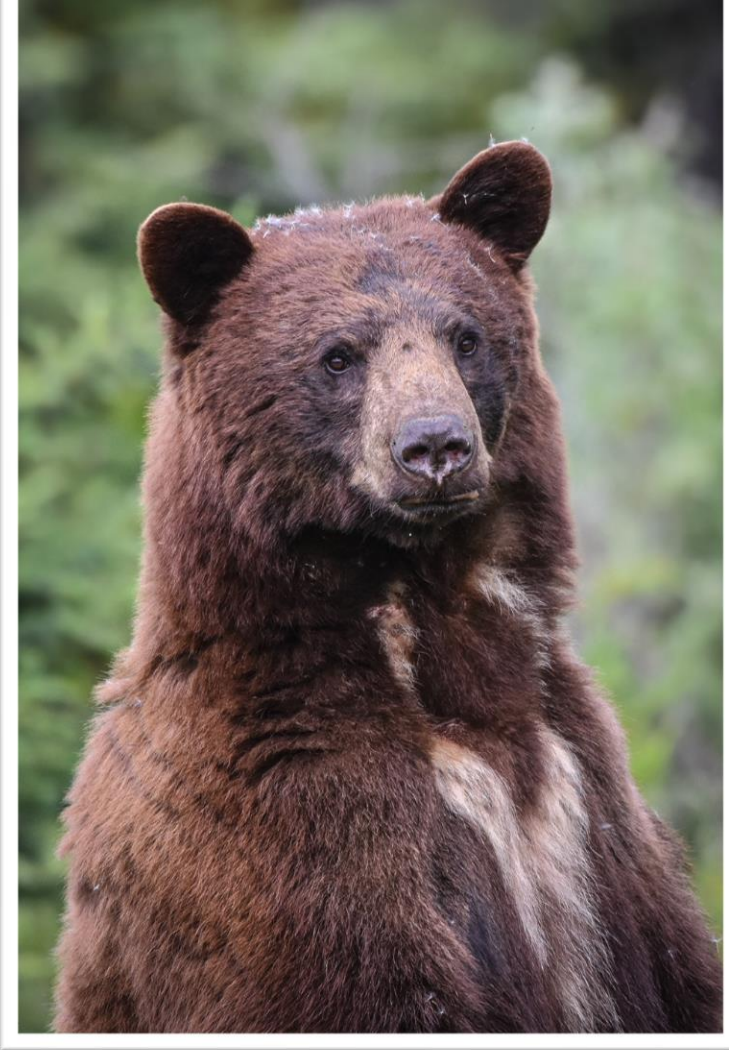
<https://stand.earth/resources/risk-map-pellet-facility-threatens-primary-forest-and-caribou-habitat/>



Earthworm Foundation

- 2020年の州WGのマッピングで保護を優先すべき森林を保護する
- スギとヘムロックを丸ごとサプライチェーンから外すこと（残材を含めて）
- 木質（残材を含めて）を原生林とカリブーの重要な生息地から調達しない

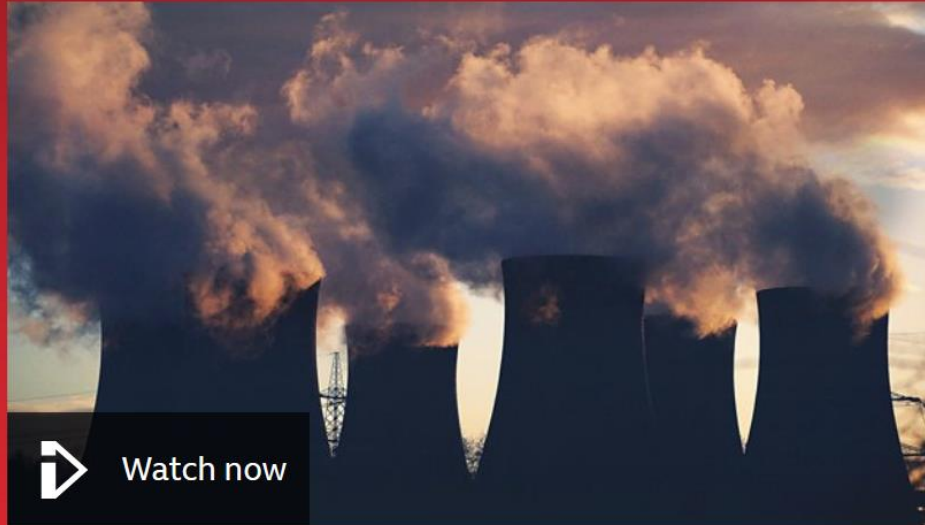




ブリティッシュコロンビア州の野生動物

Conservation North (left), Angus Morrison (right)

one Panorama

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Reporter	Joe Crowley
Producer	Tim Robinson
Executive Producer	Andrew Head
Editor	Karen Wightman

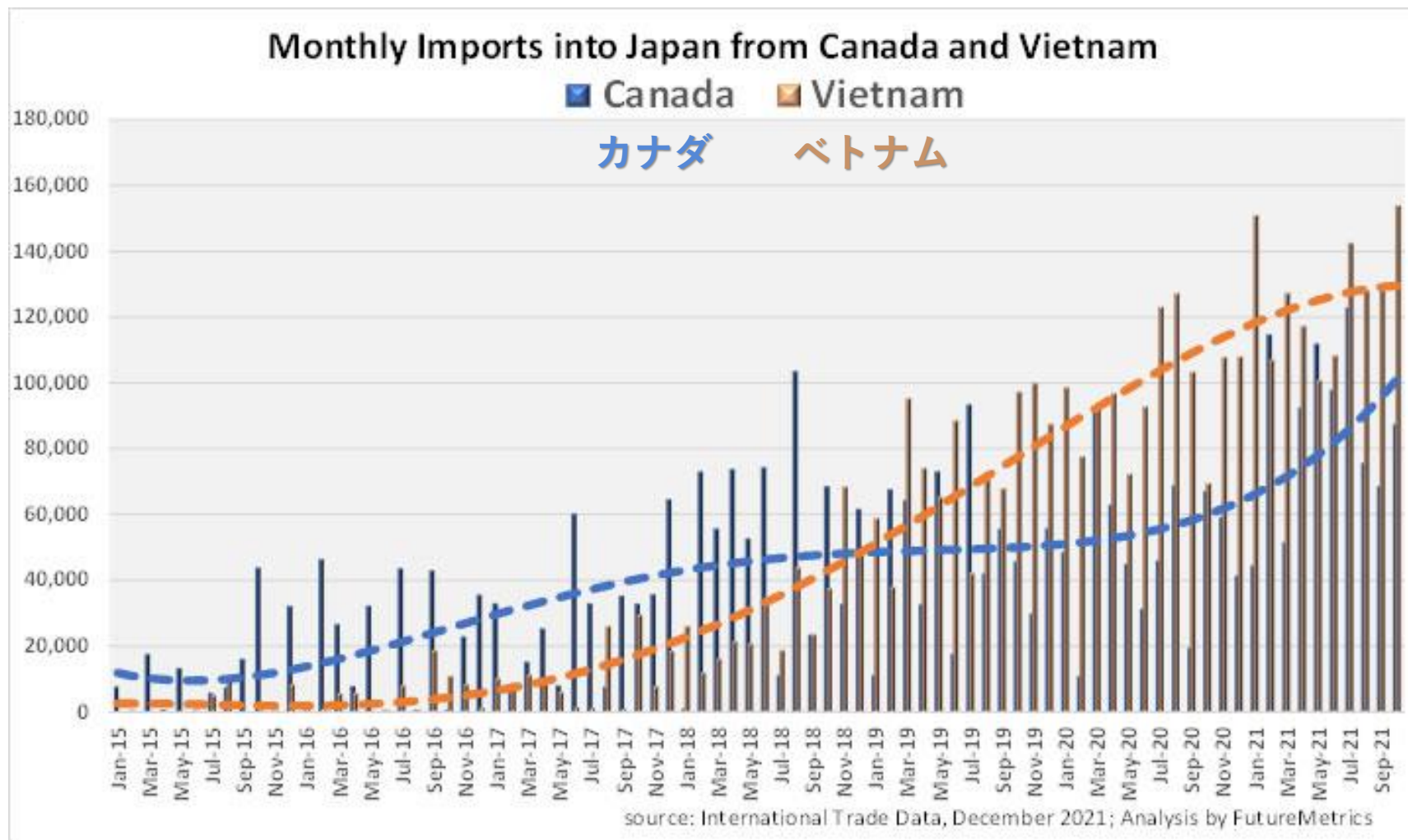
Explore the wider challenges that people with a learning disability face in society, and how this impacts on their health



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日本の木質ペレット輸入のトレンド



ドラックス社が現在の生産量を500万トンから800万トンに拡大する予定



ブリティッシュコロンビア州のカリブー

Howard Sandler/Shutterstock.com



MIGHTY EARTH

Roger Smith

ロジャースミス

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