



# Future of Forestry on Vancouver Island & Coastal BC AVICC 2026



“ You can't really know where you are going until you know where you have been.

Maya Angelou

# Clearcut Logging: Default Forest Practice

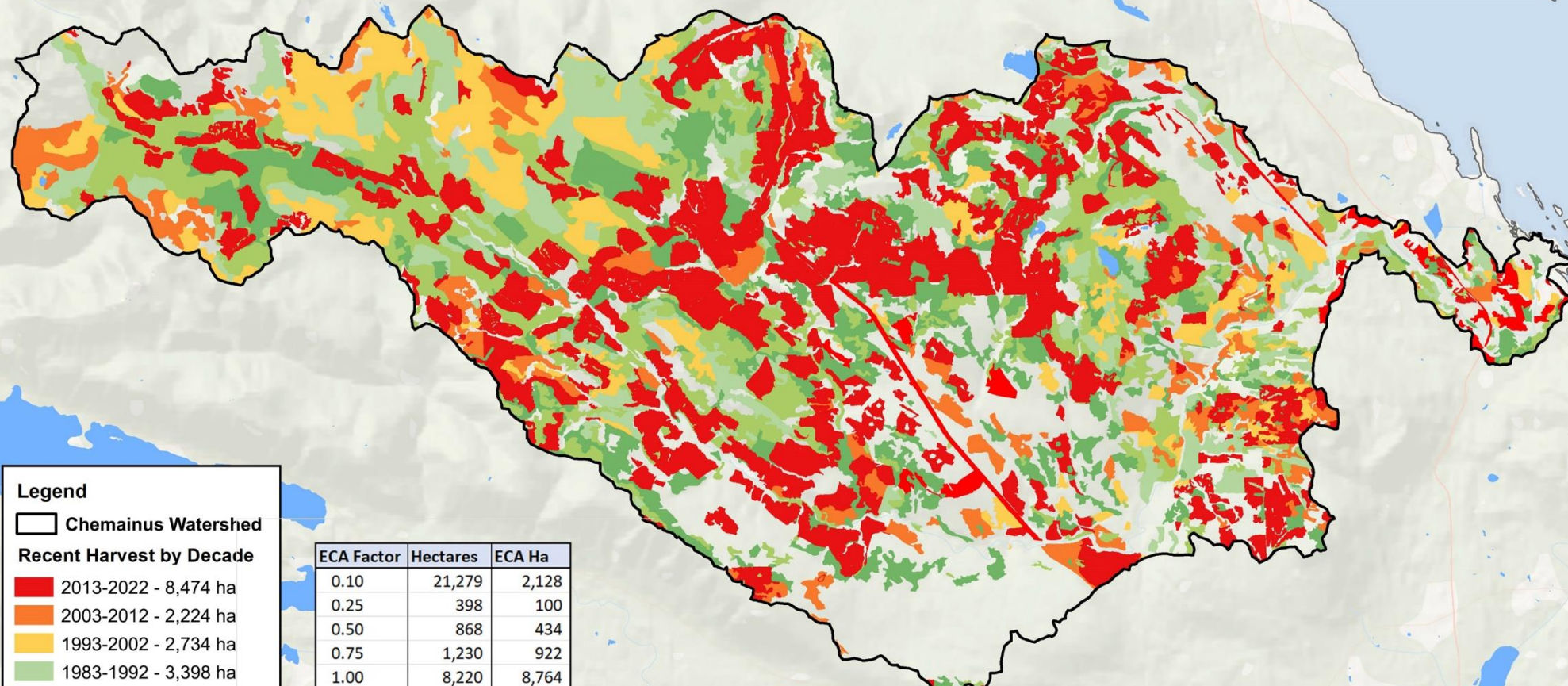
**Mimicking Natural  
Disturbance  
(80s & 90s)**

**Salvage Logging After  
Beetle Infestation  
(2000s)**

**Salvage Logging After  
Wildfire  
(Recent Years)**

# Chemainus Watershed

355.6 km<sup>2</sup>



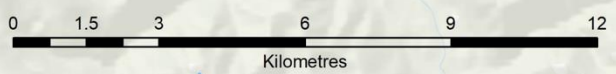
**Legend**

□ Chemainus Watershed

**Recent Harvest by Decade**

- 2013-2022 - 8,474 ha
- 2003-2012 - 2,224 ha
- 1993-2002 - 2,734 ha
- 1983-1992 - 3,398 ha
- 1973-1982 - 4,756 ha
- 1963-1972 - 3,853 ha

ECA Factor	Hectares	ECA Ha
0.10	21,279	2,128
0.25	398	100
0.50	868	434
0.75	1,230	922
1.00	8,220	8,764
NonFor	3,564	
<b>Total</b>	<b>35,560</b>	<b>12,348</b>
<b>ECA %</b>		<b>35%</b>



# Halalt First Nation Sues Forest Firm, Governments for Flooding

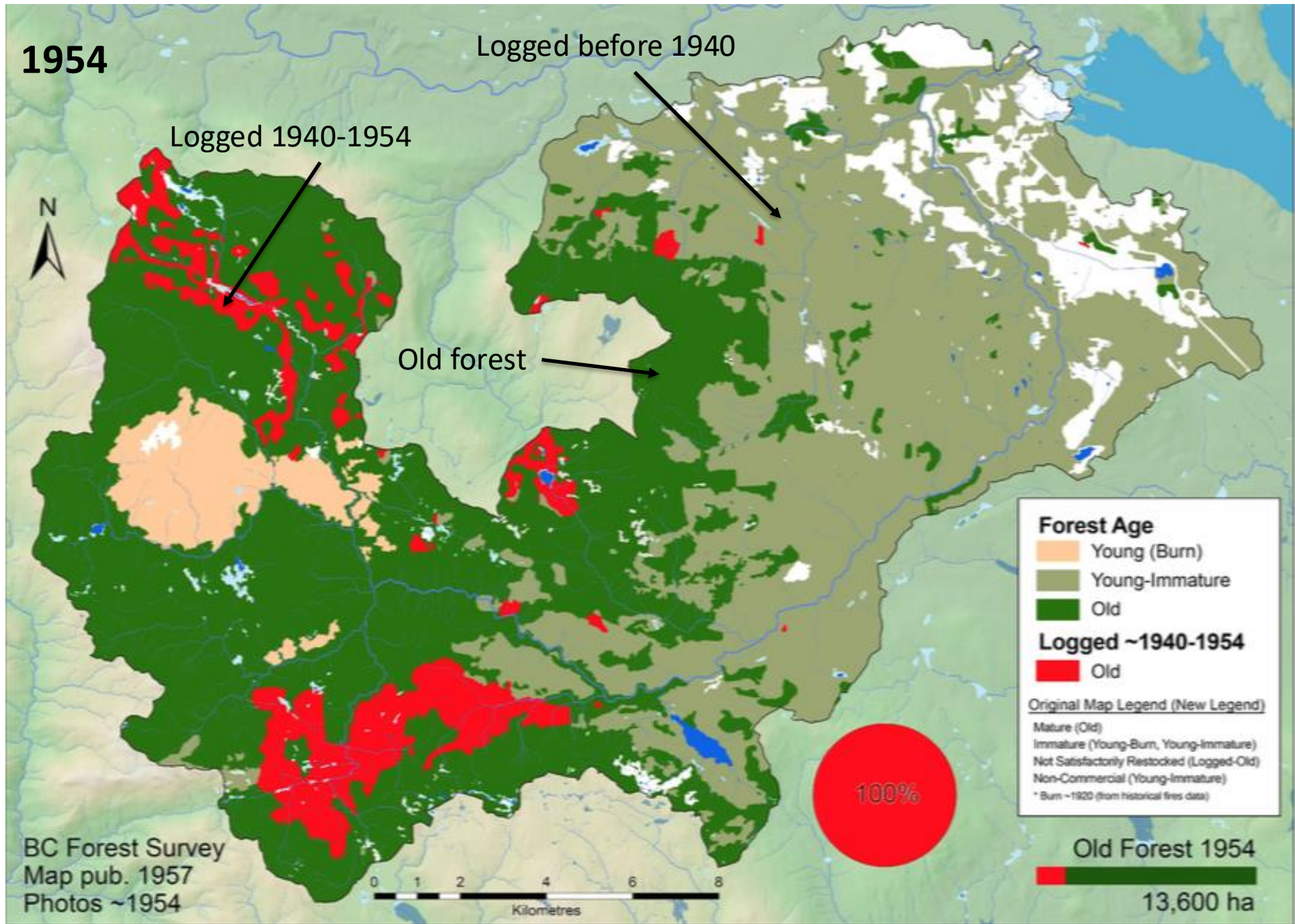
The class action alleges 'careless and reckless' practices created conditions for disaster.



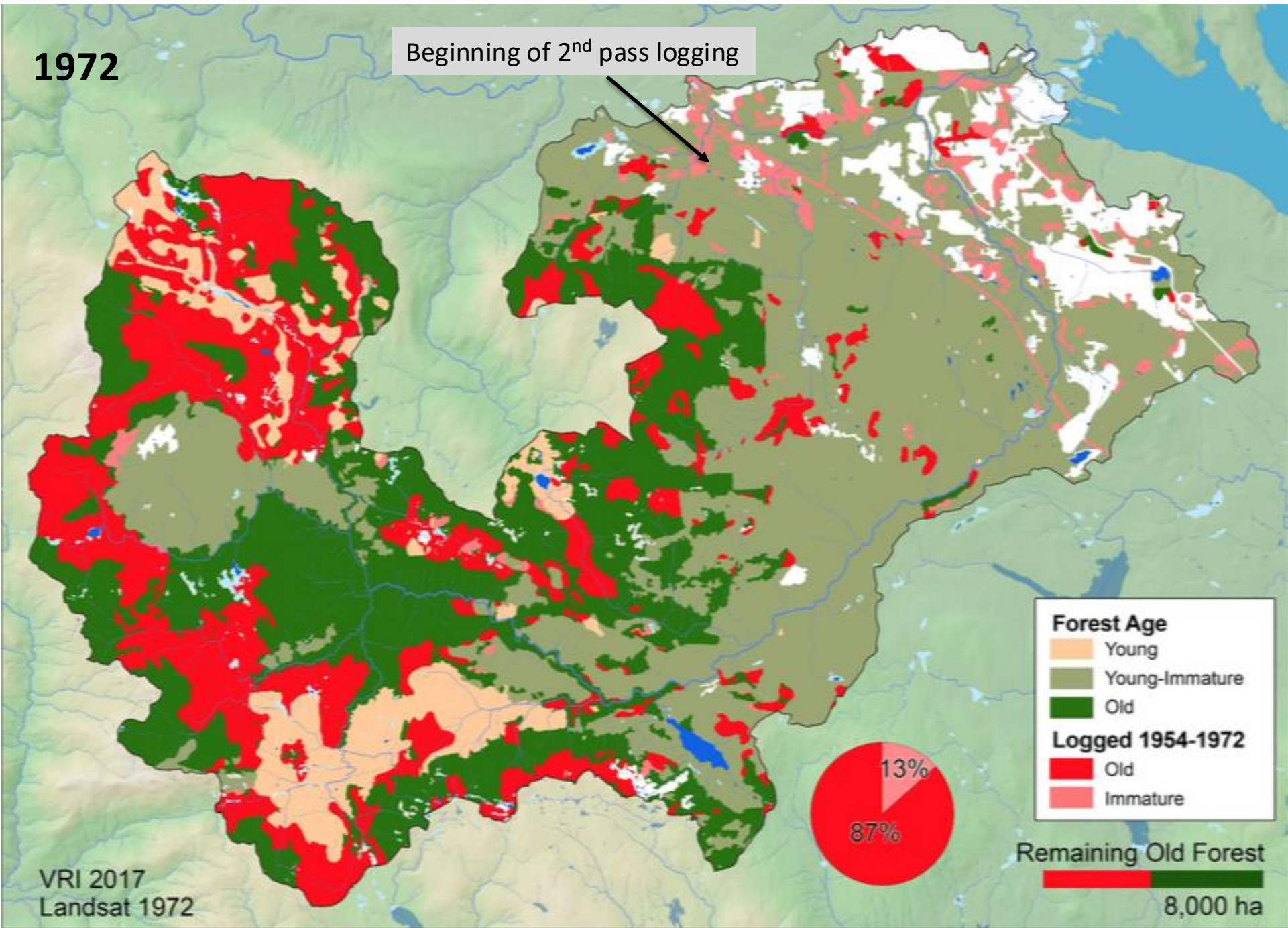
[Larry Pynn](#) / 19 Dec 2024 / [The Tyee](#)



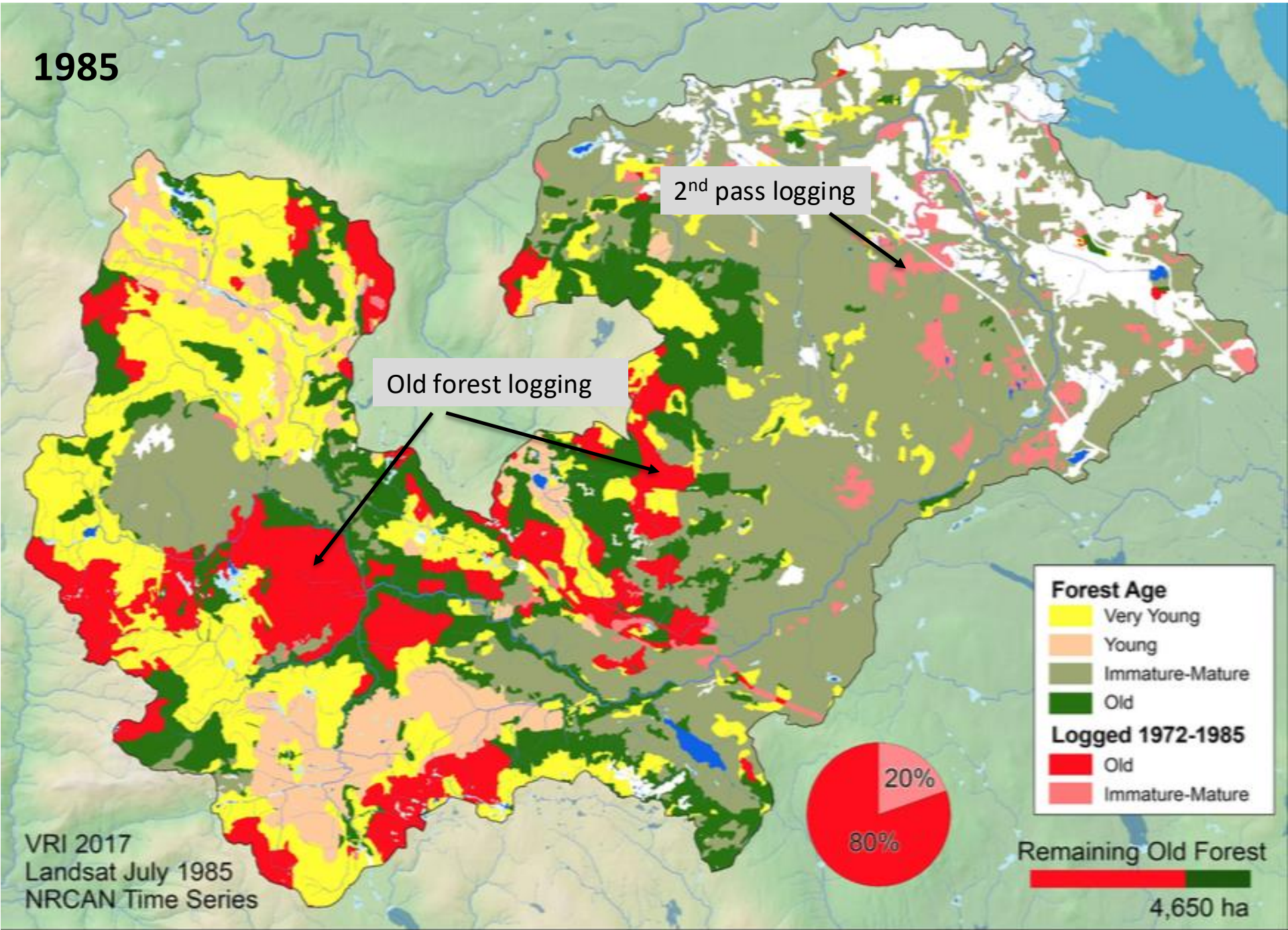
# Koksilah River Watershed



# Koksilah River Watershed

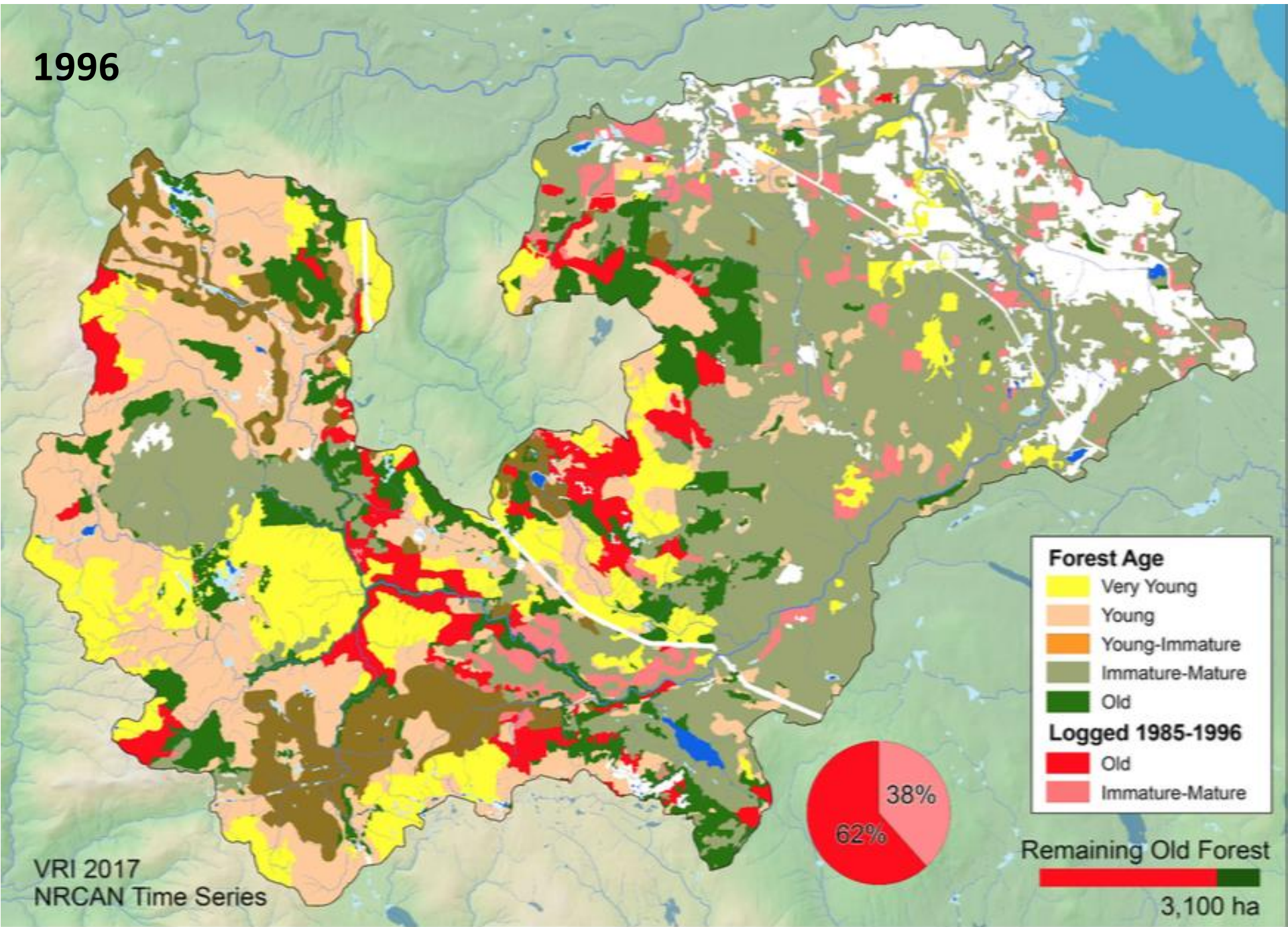


# Koksilah River Watershed

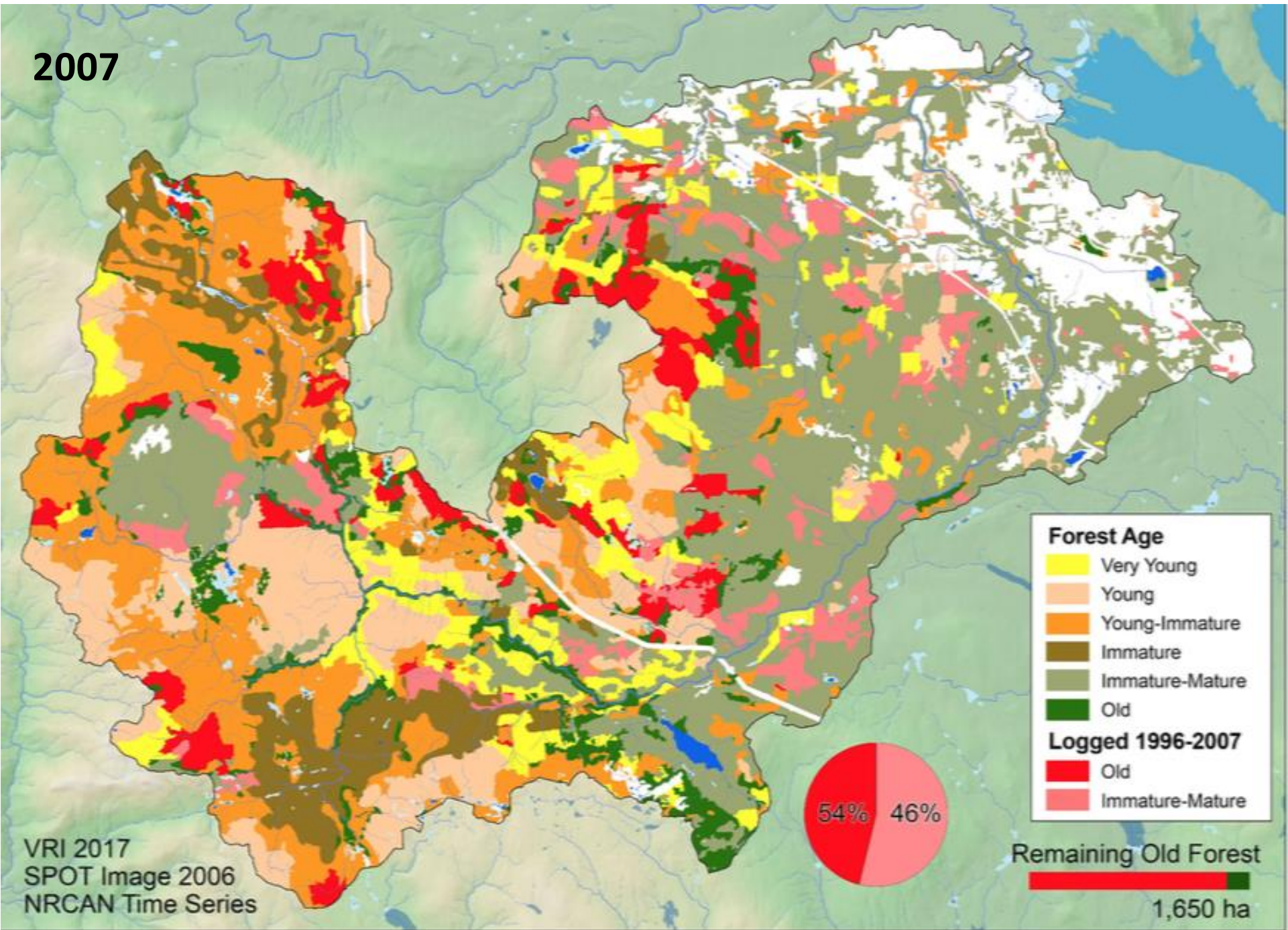


# Koksilah River Watershed

1996

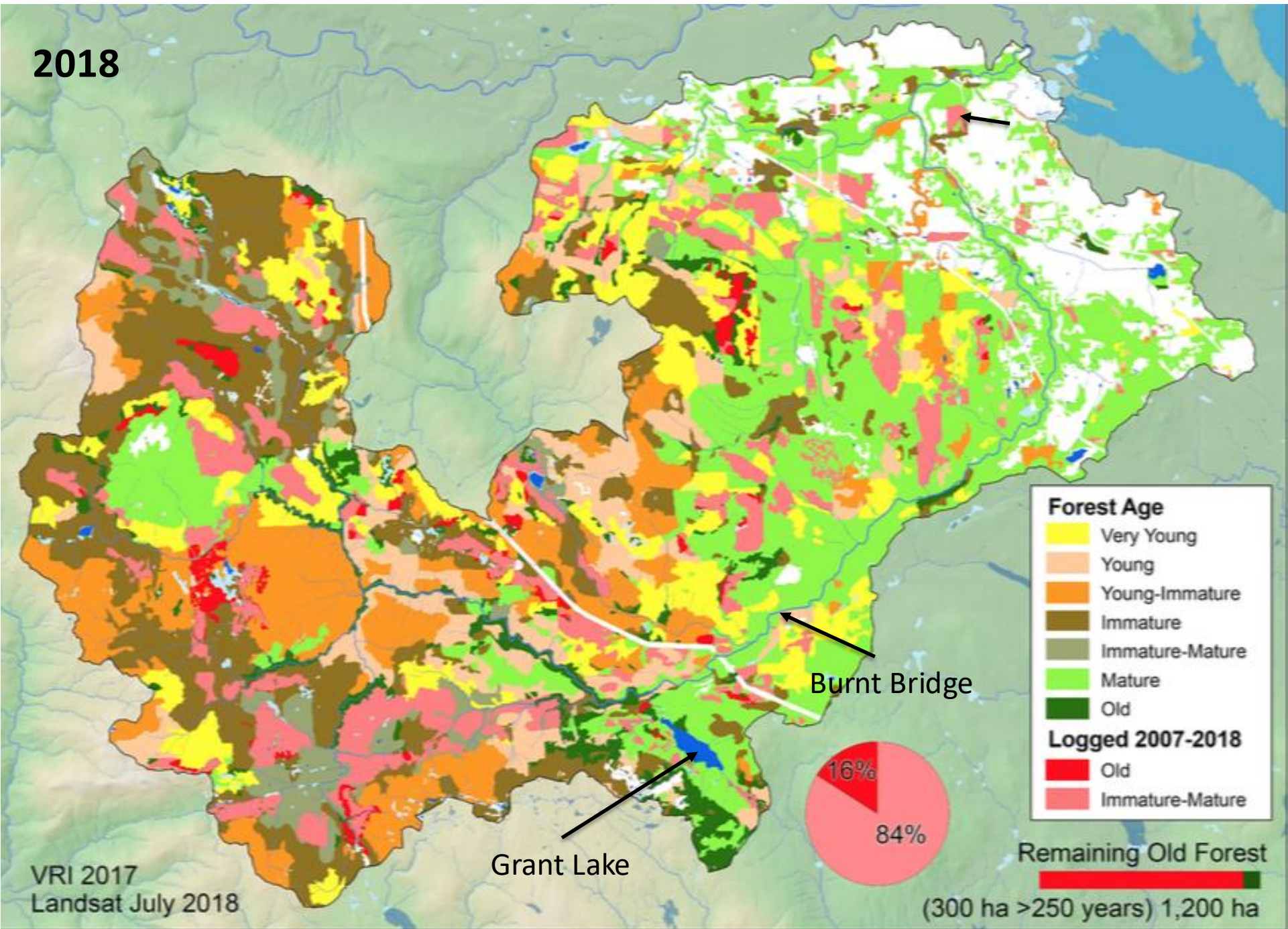


# Koksilah River Watershed



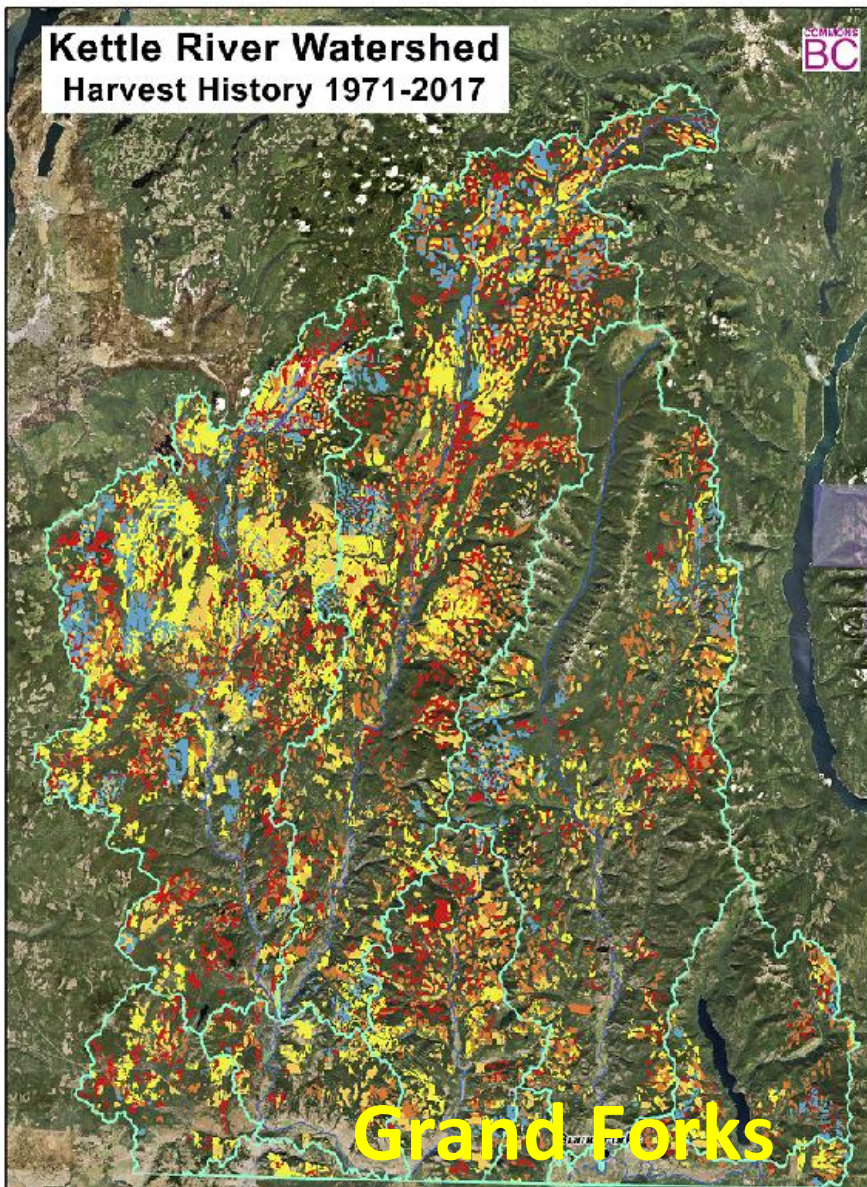


# Koksilah River Watershed

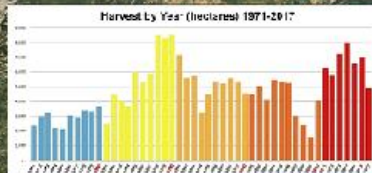


# Kettle River Watershed Harvest History 1971-2017

COMMONS BC



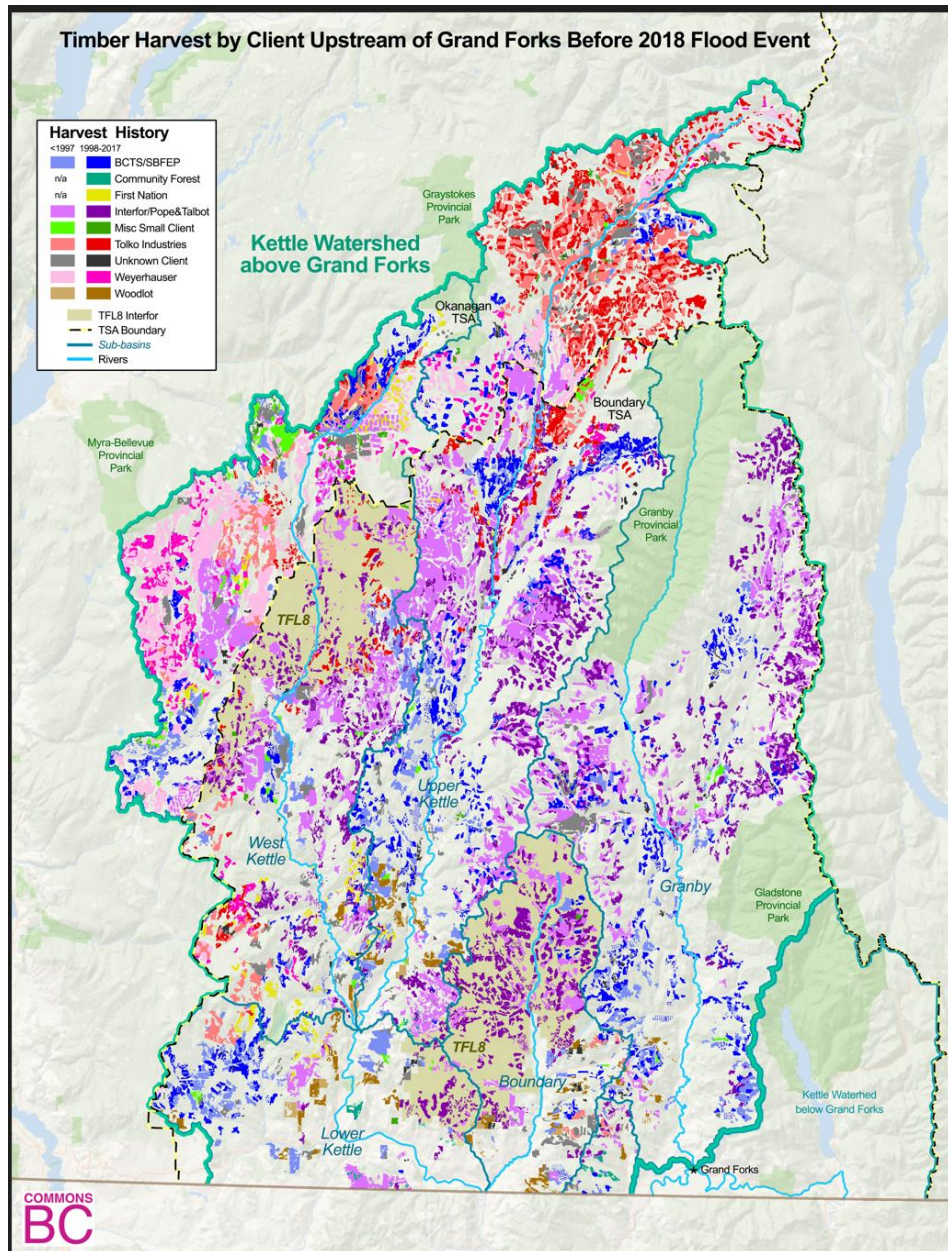
**Grand Forks**



Data Sources:  
Consolidated Catalogs 2013  
FVA Watersheds and Streets  
FSRI World Imagery

# Root Cause of Flood Risk is in the Upland

## Timber Harvest by Client Upstream of Grand Forks Before 2018 Flood Event



British Columbia

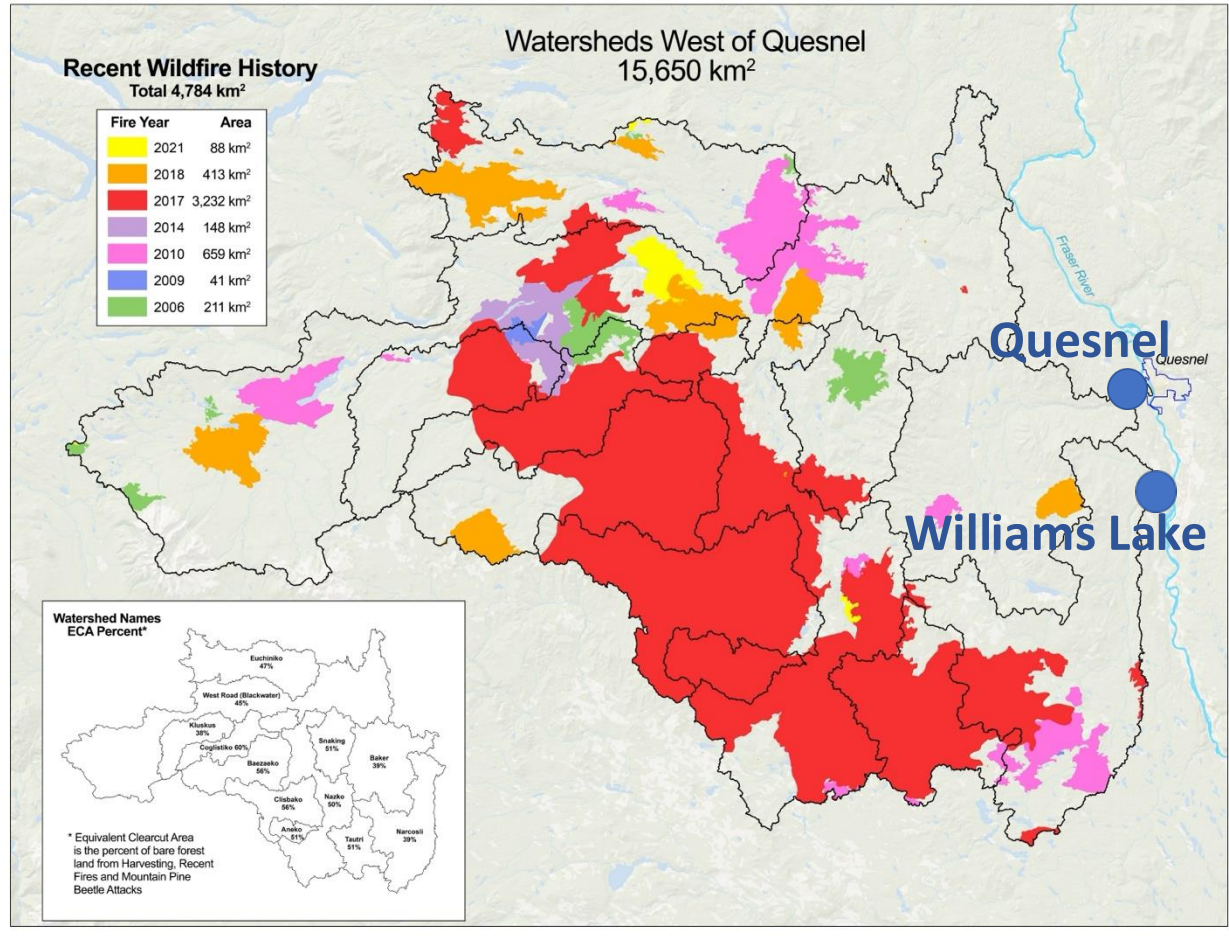
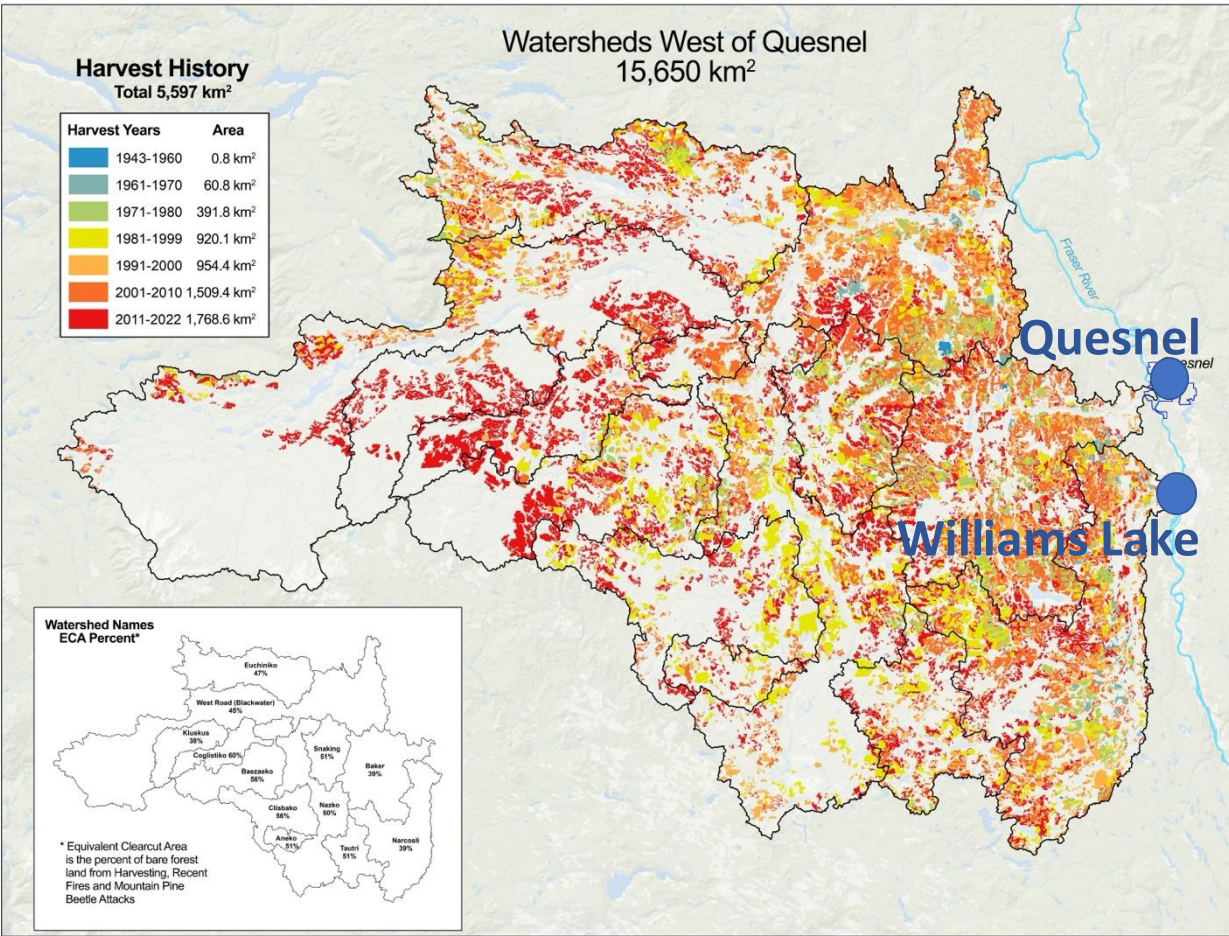
## **Negligent logging caused 2018 floods, Grand Forks residents allege in class action lawsuit**

Ministry overestimated amount of timber that could be sustainably clearcut, plaintiffs argue

[Tom Popyk](#) · CBC News · Posted: Sep 15, 2020 8:25 PM PDT | Last Updated: September 15, 2020



# Root Cause of Landslide Risk in Quesnel and Williams Lake is in the Upland



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1. Harvesting affects flood events of all sizes

2. Effects increase with flood event size unchecked

# Dire Consequences of Default Clearcut Logging

- Downstream Infrastructures
- Community Watersheds
- Downstream Agricultural Practices
- Aquatic Life in Channels
- Affect Real Estate Value
- Insurance Industry
- Create Governance Challenges  
(Municipal and Regional)

# Status Quo Forestry is a Problem It can't be a solution

**Albert Einstein once said:**

**“If you always do what you always did, you will always get what you always got.”**



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Thank you

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**Current and previous members of my graduate research lab who contributed substantially to our research on the topic of forests and floods over the last 30 years.**