



**A Winter Adventure
in Northwest Alberta**



Alberta Curriculum

Grades K-3 Science & Social Studies

**SCAN THE QR CODE TO
JOIN THE ADVENTURE**



**Travel to the Forest Capital of Canada 2024-2025:
The Mackenzie Region of Northwest Alberta.**

Join Boris on his winter adventure.

- Take nature walks with John Thurston & Gale Hayday of the Northern Lakes Forest Education Society.
- Take a timber operations tour, and a future forest tour, with Tolko Woodland Supervisor Jesse Petroskey.
- See winter forest fire operations with Forest Officer Bentley Fawcett

QUOTE FROM TEACHER

“Boris fits well with curriculum outcomes. This is a cool way to expand students’ knowledge, and I recommend it to my fellow staff members! It has valuable information.”

FORT VERMILION SCHOOL DIVISION ELEMENTARY TEACHER SHELBY ROBERTS

Forest Capital of Canada 2024-2025 (the Mackenzie Region)

The Canadian Institute of Forestry (CIF) awarded the Mackenzie Region the title of Forest Capital of Canada (FCC) 2024. The moniker celebrates “regions for their connectivity to the forest.”

The Mackenzie Region (of Northwestern Alberta) rose to the challenge, and as a result, CIF once again awarded the region the FCC title for 2025.

In 2024, the local Forest Capital of Canada 2024-2025 Board (from the Mackenzie Region) had Boris and his adventure created to help educate children for years to come about the boreal forest.

Check out the original (summer) Boris adventure at www.fcc2024.com. It has its own curriculum guide.

About: The Mackenzie Region of Northwest Alberta

With a landmass of nearly 80,000 km², Mackenzie County is the largest county in Alberta. Geographically, it’s larger than the province of New Brunswick.

Found in the northwest corner of Alberta, the Mackenzie Region is located entirely in Canada’s boreal zone—which also covers most of Canada—and much the Mackenzie Region is covered by forest.

Over 70% of Mackenzie Region citizens are involved with, rely on, or work in the forest in some capacity (Source: Canadian Institute of Forestry 2024).

Important industries in the Mackenzie Region include forestry, energy, agriculture, trapping and tourism.

Forestry Facts of the Mackenzie Region

In 2024, more than 18 million trees were planted in the Mackenzie Region on behalf of our forestry companies by Blue Collar Silviculture and Summit Reforestation & Forest Management Ltd. (Source: Upper Hay Regional Forests’ Final Harvest Update 2023-24)

The Guinness World Record for the most trees planted by an individual in 24 hours **was set in the Mackenzie Region (near Rainbow Lake)** on July 17, 2021 **by Antoine Moses of Quebec**, who works for Blue Collar Silviculture. **He single-handedly planted 23,060 trees in that 24 hours!**



VALUES OF TEACHING BORIS’ ADVENTURE IN YOUR CLASSROOM

BORIS’ ADVENTURE TAKES PLACE IN NORTHWESTERN ALBERTA

This is an opportunity for children to learn about an area of Canada that does not traditionally get a lot of attention. Yet, it offers so much untouched natural beauty.

LOCAL EXPERTS IN BORIS’ ADVENTURE ARE KNOWLEDGEABLE AND FRIENDLY

With help from local teachers, guides, foresters, and winter sports enthusiasts to name a few, children in your classroom will learn from a number of interesting people with different backgrounds.

STOP 1: CABIN IN THE WOODS (FORT VERMILION)

TOPICS

Pioneer Life,
Staying Warm,
Emperor in the Peace River,
Building a Log Cabin,
Homesteading in Fort Vermilion,
Proper Winter Clothing and Protection
Indigenous Clothing and Beading



SOCIAL STUDIES CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Children explore expressions of traditions, cultures and histories

GRADE 1

- ✓ Students examine major physical features and key landmarks of our world
- ✓ Students explore cultures of diverse communities

GRADE 2

- ✓ Students relate traditions to Canada's heritage

GRADE 3

- ✓ Students investigate natural and created features of Alberta
- ✓ Students relate diversity to Alberta's western identity



SOURCE:

STOP 2: SNOWMOBILING (LA CRETE)

TOPICS

View of Landscape Overhead,
Tourism in La Crete area (cabins)



SOCIAL STUDIES CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Children examine places in communities

GRADE 1

- ✓ Students examine major physical features and key landmarks of our world



CIF
IFC

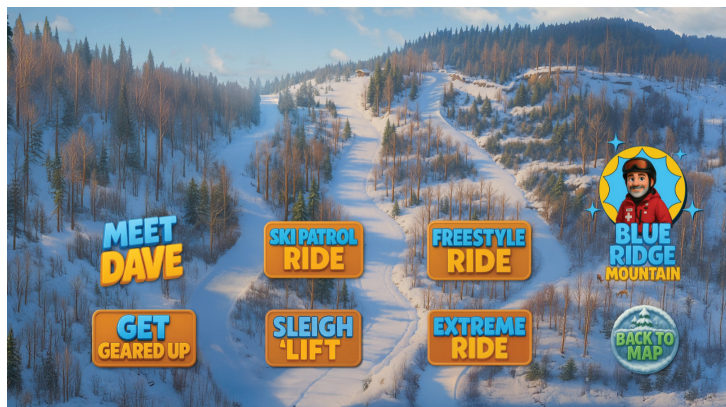
SOURCE:

STOP 3: BLUE RIDGE MOUNTAIN SKI RESORT (BUFFALO HEAD HILLS)



TOPICS

Safety Before Skiing,
Weather and Trail Conditions
Poor Choices Resulting in Incidents,
Proper Skiing Gear,
Getting Up the Hill,
Different Types of Trails.



SOCIAL STUDIES

CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Children examine places within communities.

GRADE 1

- ✓ Students examine major physical features and key landmarks of our world.



SOURCE:

PHYS. ED.

CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Perform physical activities that provide personal enjoyment

GRADE 1

- ✓ Demonstrate various ways of moving safely through space during physical activity

GRADE 2

- ✓ Participate in physical activities that require various levels of exertion and energy



STOP 5: **FROSTIVAL (HIGH LEVEL)**



SOCIAL STUDIES **CURRICULUM OUTCOMES**

KINDERGARTEN

- ✓ Children examine places within communities.

GRADE 1

- ✓ Students examine major physical features and key landmarks of our world.

PHYS. ED. **CURRICULUM OUTCOMES**

KINDERGARTEN

- ✓ Perform physical activities that provide personal enjoyment



SOURCE:



STOP 6: **CANDY CANE LANE** **(ZAMA CITY)**



SOCIAL STUDIES **CURRICULUM OUTCOMES**

KINDERGARTEN

- ✓ Children examine places within communities.



SOURCE:



STOP 7: WINTER WILDFIRE (MACKENZIE COUNTY)

TOPICS

Fire Smart Projects,
Winter Gear and Tools,
Safety Precautions,
Watt Mountain Fire Tower,
Hot Spots,
What Living vs Burnt Trees Look Like

SOCIAL STUDIES CURRICULUM OUTCOMES

GRADE 3

- ✓ Students examine and describe natural resource use in Alberta.

SCIENCE CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Students examine and describe surrounding environments

GRADE 1

- ✓ Students analyze environments and investigate interactions and changes

GRADE 3

- ✓ Students analyze changes in the earth's surface and explain how its layers hold stories of the past



SOURCE:

STOP 8: CROSS COUNTRY SKIING (MACKENZIE COUNTY)

TOPICS

Safety Tips,
Hydration and Warming Up Body

PHYS. ED.

CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Perform physical activities that provide personal enjoyment

GRADE 1

- ✓ Demonstrate various ways of moving safely through space during physical activity

GRADE 2

- ✓ Participate in physical activities that require various levels of exertion and energy

SCIENCE

CURRICULUM OUTCOMES

GRADE 3

- ✓ Students analyze changes in Earth's surface and explain how its layers hold stories of the past



SOURCE:

STOP 9: JOHN AND GALE (MACHESIS LAKE)

TOPICS

Winter Preparedness for
Snowshoeing, History of Snow Shoes,
Ice Fishing, Cross Country Skiing

PHYS. ED.

CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Perform physical activities that provide personal enjoyment

GRADE 1

- ✓ Demonstrate various ways of moving safely through space during physical activity

GRADE 2

- ✓ Participate in physical activities that require various levels of exertion and energy



SOCIAL STUDIES

CURRICULUM OUTCOMES

KINDERGARTEN

- ✓ Children examine places within communities
- ✓ Children explore expressions of traditions, cultures and histories

GRADE 1

- ✓ Students examine major physical features and key landmarks of our world

GRADE 2

- ✓ Students relate traditions to Canada's heritage



SOURCE:

STOP 10: WINTER FORESTRY (MACKENZIE COUNTY)

TOPICS

- Safety Orientation and Hazards of Logging
- The 4 Stages of Logging
- Heavy Equipment Used On-site
- Process of Collecting Trees in Bunches, Skidder Bringing Bunches to the Road, Processor Turning them into Logs, and Loading them onto the Log Truck
- Access to the Land Only in the Winter Due to Swamp and Needing to stay on Solid Ground

SCIENCE

CURRICULUM OUTCOMES

GRADE 2

- ✓ Students investigate growth and development of plants and animals and consider their relationship to humans

SOCIAL STUDIES

CURRICULUM OUTCOMES

GRADE 2

- ✓ Students examine major physical regions of Canada
- ✓ Students examine how trade supports communities

GRADE 3

- ✓ Students examine natural resource use in Alberta



SOURCE:

PUZZLE TIME

PARTS OF A TREE

Unscramble the clues to discover different parts of a tree.

RTSOO _____

NACRHB _____

NUKTR _____

ALFE _____

KBAR _____

DELEEN _____



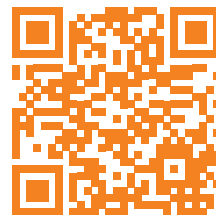
Answers: Roots, Bark, Trunk, Branch, Leaf and Needle

Join BORIS

Travel to the **Forest Capital of Canada 2024-2025:**
The Mackenzie Region of Northwest Alberta.



2 adventures
(SUMMER & WINTER)!



SCAN TO
join the fun





TAKE A PICTURE OF YOUR COLOURING,
SEND IT TO info@fcc2024.com,
AND WE'LL POST IT ON SOCIAL MEDIA!

#ForestCapitalOfCanada



© BORIS IN THE
BOREAL FOREST 2025

2 adventures
(SUMMER & WINTER!)



SCAN TO
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**DID
YOU
KNOW?**

Boris' Winter Adventure
took 2 weeks to film
and several months to
edit and create.
It has a total of 55 videos.



Trucking

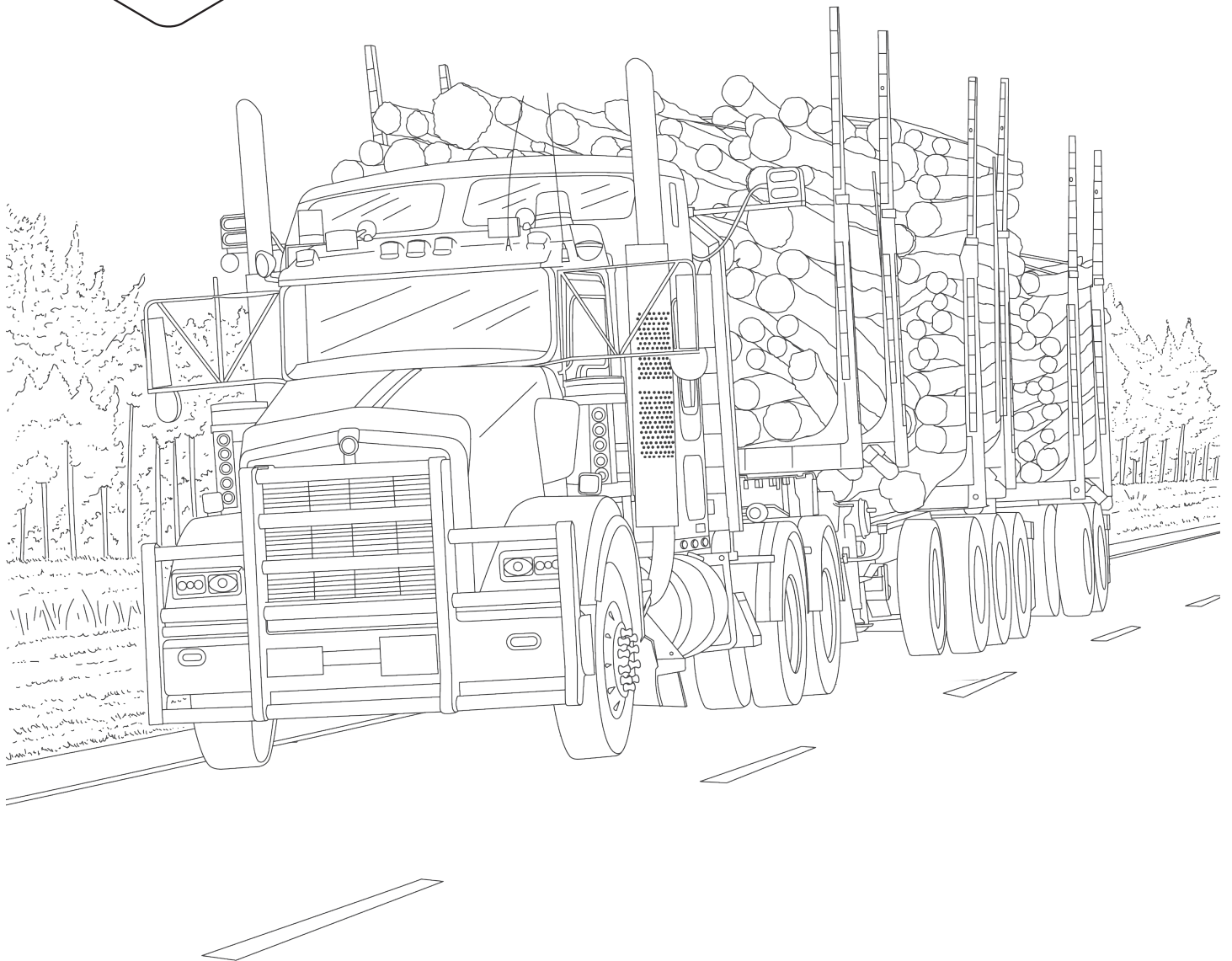
in the Forest Capital of Canada 2024-2025

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THIS COLOURING PAGE WAS
CREATED USING A PHOTO TAKEN
BY ANDREW O'ROURKE



2 adventures
(SUMMER & WINTER!)



SCAN TO
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DID
YOU
KNOW?

A large truck
can haul about
200-300 logs.



Trucking

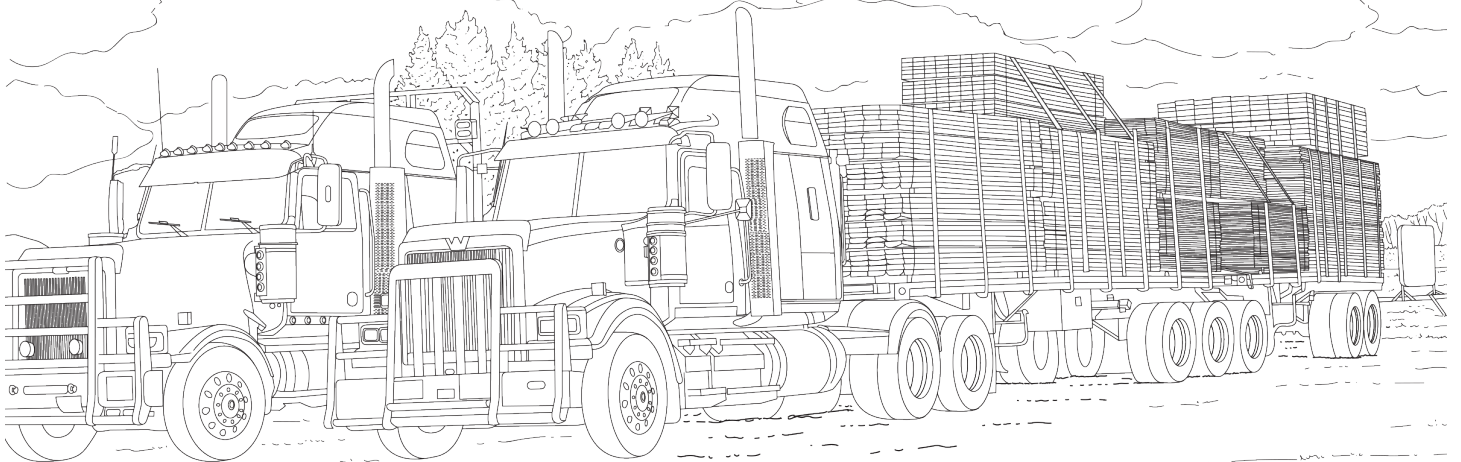
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**DID
YOU
KNOW?**

A truck load of
lumber can be
enough to build 1-2
1,200 sq ft homes.



Forestry

in the Forest Capital of Canada 2024-2025



TAKE A PICTURE OF YOUR COLOURING,
SEND IT TO [INFO@FCC2024.COM](mailto:info@fcc2024.com),
AND WE'LL POST IT ON SOCIAL MEDIA!

#ForestCapitalOfCanada



A ROAD SIDE LOGGING PROCESSOR IS TYPICALLY USED
TO DELIMB, BUCK, & SORT LOGS (COLOURING PAGE
CREATED USING A PHOTO TAKEN NEAR LA CRETE).

2 adventures
(SUMMER & WINTER)!

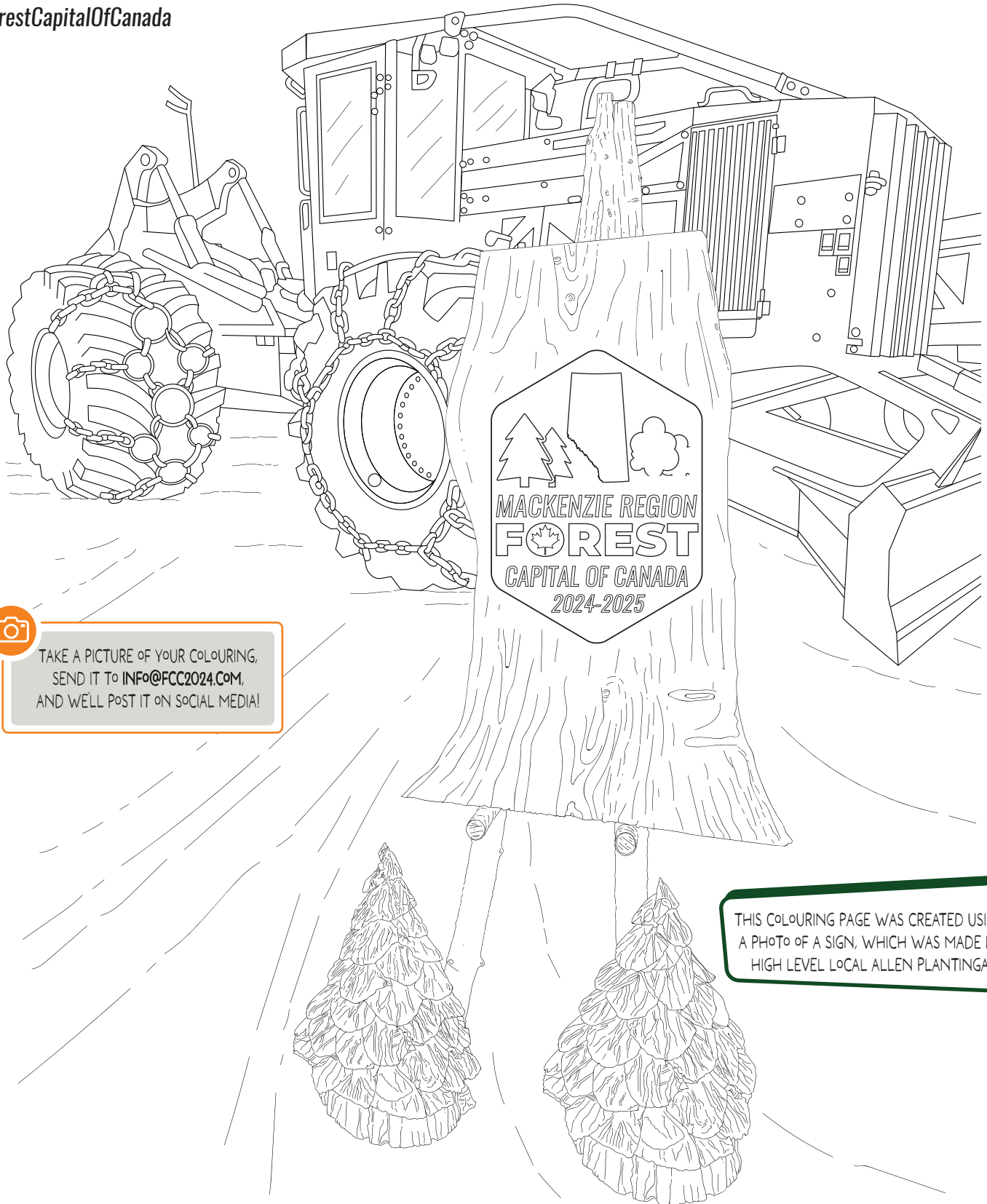


SCAN TO
join the fun

DID
YOU
KNOW?

Road side logging processors
are specialized machines
used in forestry to process
felled trees at the edge of
logging roads, preparing
them for transport.

#ForestCapitalOfCanada



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SEND IT TO [INFO@FCC2024.COM](mailto:info@fcc2024.com),
AND WE'LL POST IT ON SOCIAL MEDIA!

THIS COLOURING PAGE WAS CREATED USING
A PHOTO OF A SIGN, WHICH WAS MADE BY
HIGH LEVEL LOCAL ALLEN PLANTINGA

2 adventures
(SUMMER & WINTER!)



SCAN TO
join the fun

DID
YOU
KNOW?

With a landmass of nearly
80,000 km², Mackenzie
County is the largest county
in Alberta. **Geographically,**
it's larger than the province
of New Brunswick.