



Adventure in a Backpack

Exploring Amazing Places in the Mount Arrowsmith Biosphere Region

Program Details: Scavenger Hunt and Identification of Cathedral Grove

Amazing Place: Cathedral Grove

Age/Group Size: Targeted for families interested in exploring and learning outside in nature!

Duration of Activity: 1-2 hours

Required Equipment: - Scavenger hunt list, provided below.
- Running shoes that you don't mind getting dirty.
- Clothing for sun, rain and everything in between, we are on Vancouver Island after all.
- A positive attitude ready for adventure, and of course don't forget your smile ☺

Learning Objectives:

- a) During this activity you will become familiarized and aware of a few of the plants and animals that can be found in an old growth forest on the coast of British Columbia, such as Cathedral Grove.
- b) Specific learning objectives from this adventure will include:
 - Getting outside and experiencing nature in a safe environment where play is encouraged.
 - Be able to identify and recognize 3 types of birds and 3 types of trees that can be found within Cathedral Grove.
 - Engage in physical activity that is beneficial for individual's health and well being.

Activity Description:

Are you interested in exploring the outdoors with an educational twist? Then this might be just the activity for you! This interactive adventure will take 1-2hrs walking through Cathedral Grove. There is an scavenger hunt attached at the bottom which has 10 questions on the North side of the park, and 10 for the South side of the park. The questions can be answered through the educational signs that are already found within the park. This activity provides an opportunity to explore, learn and have fun all at the same time!

If you are interested in learning further information of the trees and other plants please see further information at:

<http://cwf-fcf.org/en/resources/encyclopedias/flora/?referrer=https://www.google.ca/>

If you are interested in any birds calls, please check out these websites:

<http://www.almanac.com/topics/birding-fishing/bird-sounds>

https://www.audioblocks.com/royalty-free-audio/birds-sound-effects?utm_source=GAWAB-Search-Audio-CA-99&utm_medium=cpc&utm_campaign=GAWAB-Search-Audio-CA-99

Activity Modification:

This activity can also be modified for people with hearing loss. You can still enjoy the beauty of the rainforest and learn while on your adventure! Please exclude this section: At some point during your adventure take a minute to find a quiet place and just listen. What do you hear beyond the rush of traffic and chatter of the voices around you? Take a moment to listen to the hidden sounds of nature.

Not a lot of time:

You can still experience Cathedral Grove even if you only 30 minutes. Pick either the North or South side of the park to explore in order to choose your adventure. That way you pick the questions that stand out the most, in order to get the best experience out of your adventure!

PLEASE SEE THE BOTTOM OF THIS DOCUMENT FOR YOUR ACTIVITY IN A BACKPACK!

Print the last 2 pages back to back in order to create your scavenger hunt pamphlet.

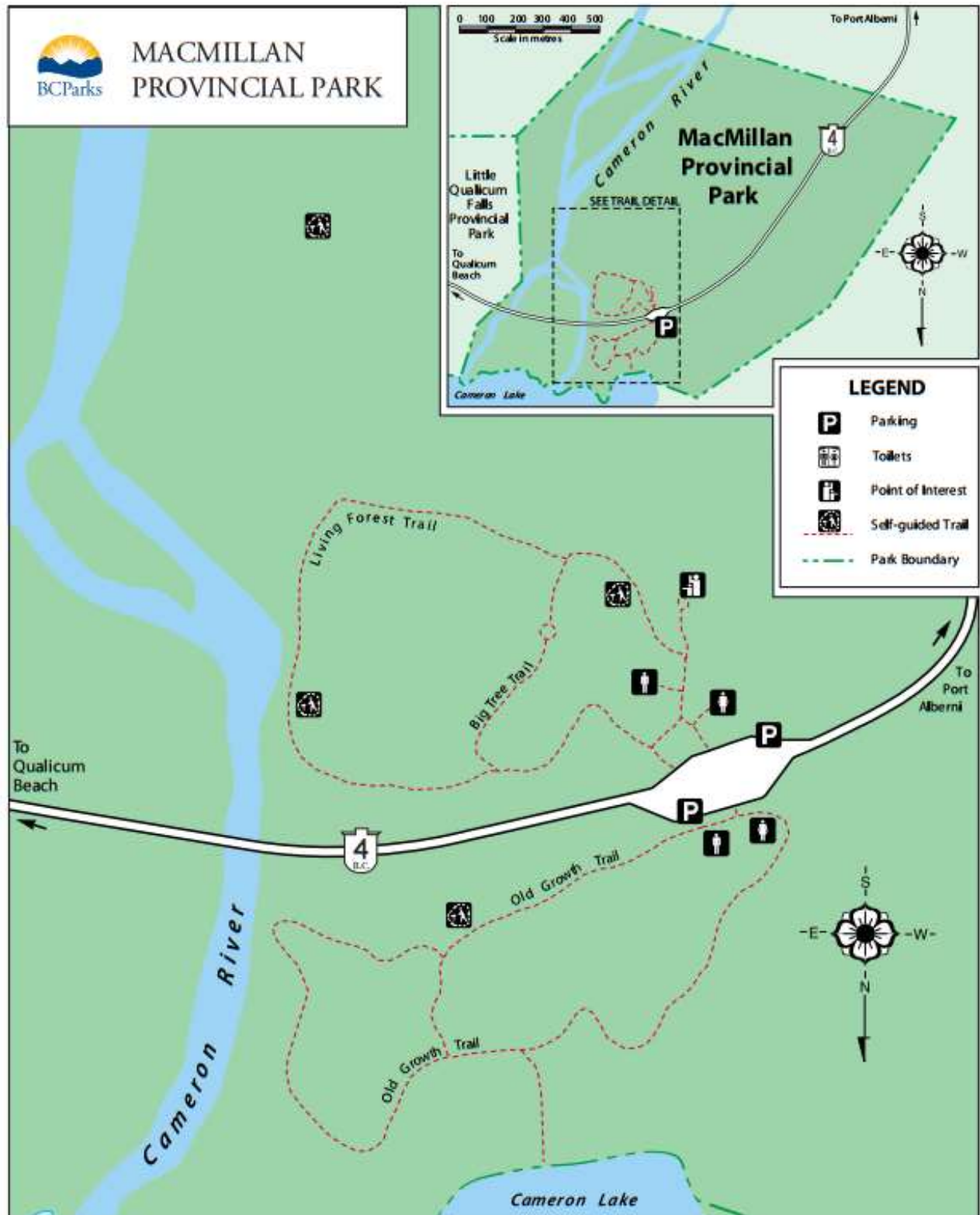


MACMILLAN PROVINCIAL PARK



LEGEND

- Parking
- Toilets
- Point of Interest
- Self-guided Trail
- Park Boundary



Cathedral Grove Scavenger Hunt Answer Key

N1- 1. Please do not smoke 2. Do not use park if there is a wind warning 3. Stay on the trail

N2- Rain, Oxygen, Carbon Dioxide, Soil, Water in rivers

N3- Western Hemlock

N4- Acer macrophyllum pursh

N5- Western Red Cedar

N6- Bark is grey, thin and stringy

N7- There is no right or wrong answer

N8- Three of the following: Red Squirrel, Woodpecker, Carpenter Ants, Bald Eagle, Little Brown Bat, Northern Pygmy Owl

N9- Roots and Bark

N10- 85 metres on the coast, 42 metres in the interior

S1- Hupacasath Territory

S2- Underground fungal network by connecting its roots to nearby trees

S3- Pileated Woodpecker

S4- Skunk Cabbage

S5- They live in moist areas so they don't need to send their roots deep to find water

S6- Red-breasted Sapsuckers

S7- Height: 71metres Diameter: 4.5m

S8- Butt Rot

S9- Fallen Logs then turn into Nurse Logs

S10- MacMillan Provincial Park



At some point during your adventure take a minute to find a quiet place and just listen. What do you hear beyond the rush of traffic and chatter of the voices around you? Take a moment to listen to the hidden sounds of nature.



Thank you for taking the time to explore Cathedral Grove as part of the Mount Arrowsmith Biosphere



Cathedral Grove



Scavenger Hunt

Do you have what it takes?



United Nations
Educational, Scientific and
Cultural Organization



**MOUNT
ARROWSMITH**
BIOSPHERE REGION

North Side of Cathedral Grove:

- N1 -As you come into the park what are the three major safety statements for visitors?
- N2 -Forests recycle _____, create_____, absorb_____, hold_____ in place and controls the flow of water in rivers.
- N3 -What type of tree might you find growing on stumps and fallen trees?
- N4 -What the is scientific name of the Big Leaf Maple?
- N5 -Can you identify British Columbia's official tree?
- N6 -How do you identify Western Red Cedar bark?
- N7 -From where you are standing right now, how many Western Red Cedars can you see?
- N8 -What are examples of three animals that could be found on a wildlife tree?
- N9 -What are the armor and anchors of a tree?
- N10 -How tall can Coastal Douglas Fir grow to be?



South Side of Cathedral Grove:

- S1 -What is the First Nations Territory Cathedral Grove is in?
- S2 -How does the Indian Pipe absorb its energy?
- S3 -What animals makes rectangle holes in trees?
- S4 -While walking near the marsh that borders Cameron Lake, you might smell something a little musky, what plant might you be smelling?
- S5 -Why are Western Red Cedars shallow-rooted trees?
- S6 -Do you notice parallel holes drilled into any trees, what birds made those holes?
- S7 -What was the height and diameter of the tree that was set a flame in 1972?
- S8 -Can you identify the bracket fungus nesting on the side of trees?
- S9 -What creates the ideal nursery for salal, huckleberries and young hemlock trees?
- S10 -What is the name of the provincial park that Cathedral Grove is in?

