

6

Northern Coast Mountains

Represented by: Kluane National Park Reserve



LOCKED IN THE ICE AGE

The highest mountains in Canada, the largest non-polar icefields, the fastest, longest glaciers. This is a land in flux, a young land, a land still in the throes of creation. Volcanoes have been at work here making mountains; glaciers and rivers are carrying them away. Flowing in slow-motion, glaciers move vast amounts of pulverized rock down the valleys, sculpting the landscape. Glaciers spawn rivers opaque with silt, rivers moving mountains.

THE LAND:

Mountains and glaciers - these are the essence of this region. Mount Logan, Canada's highest point at 5,951 metres, towers over the massive St. Elias range. The Boundary Ranges, running north-south along the Alaska panhandle, the second major mountain system making up this region, are no less spectacular. These two mountain ranges spawn thousands of glaciers. They spill down the



Mount Logan, Kluane National Park Reserve

valleys from massive icefields. Over 2000 glaciers are found in Kluane National Park Reserve alone. These are classic valley glaciers - some over 100 kilometres long - sinuously striped in black and white by gravel moraines.

The effects of the most recent Ice Age have not been dulled by erosion or hidden by vegetation. It is as if the ice sheets retreated yesterday. Broad U-shaped valleys, hanging valleys, cirques and other glacial landforms are evidence of their passing.

This region has some of Canada's most spectacular rivers. The Tatshenshini, the Alsek, the lower reaches of the Stikine - these and other wild, unfettered rivers provide breath-taking scenery and thrills for wilderness adventurers.



Lowell Glacier, Alsek River

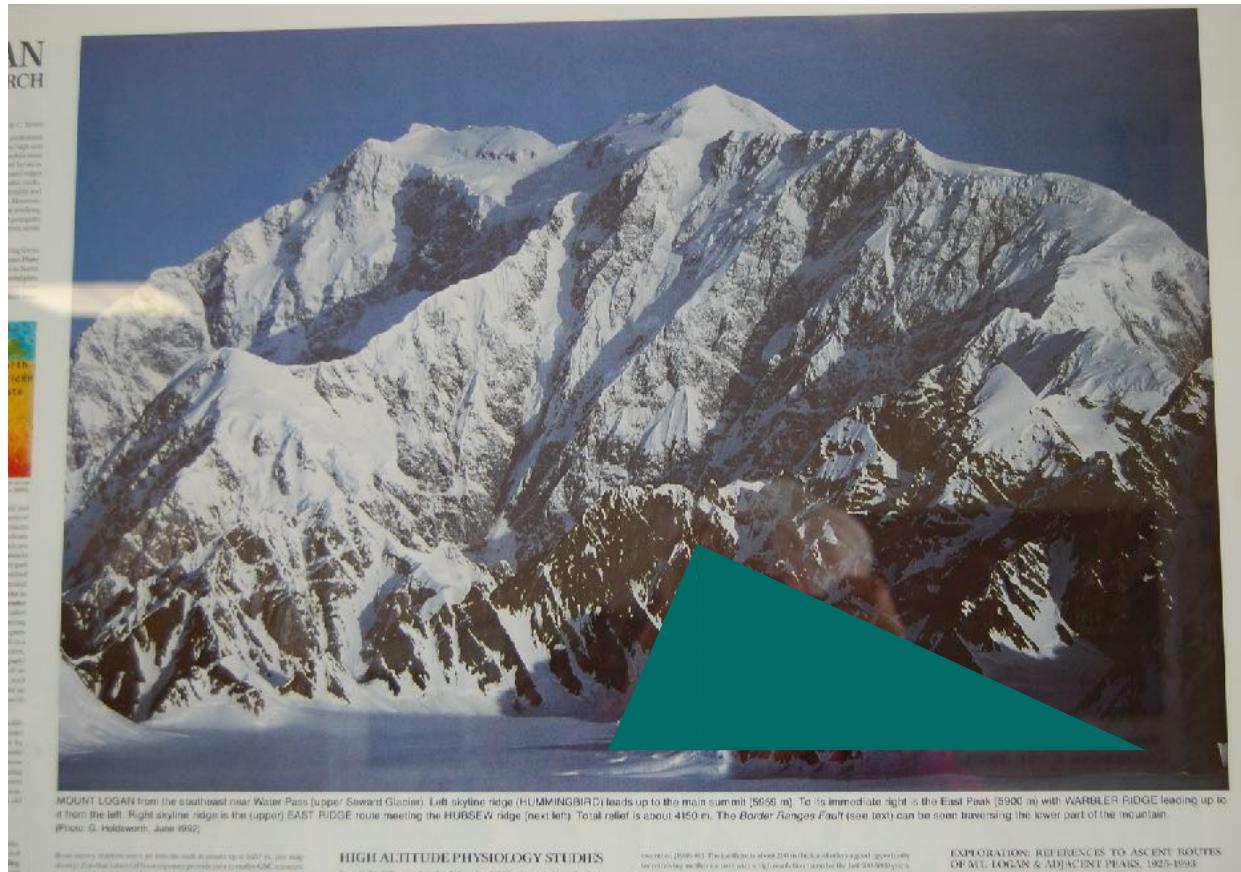
VEGETATION:

The vegetation of this region is a composite of species from the coast, the western mountains, the boreal forest, the Arctic and the northern prairies, tentatively



Spectacular though these Kluane National Park mountains and glaciers may be, they are tiny compared to those in the interior of park. This tour plane was prevented from seeing the tallest peaks due to a lack of oxygen capability.





MOUNT LOGAN from the southeast near Water Pass (upper Seward Glacier). Left skyline ridge (HUMMINGBIRD) leads up to the main summit (5856 m). To its immediate right is the East Peak (5900 m) with WARBLER RIDGE leading up to it from the left. Right skyline ridge is the (upper) EAST RIDGE route meeting the HUBSEW ridge (next left). Total relief is about 4150 m. The Border Rangea Fault (see text) can be seen traversing the lower part of the mountain. (Photo G. Holzworth, June 1992)

HIGH ALTITUDE PHYSIOLOGY STUDIES

Dunn (1987) is 90% a west Canadian 3.6 proton. DUN was operated from the Arctic (1981-1983) in the framework of the International Geophysical Year. The highest

REFERENCES AND NOTES

EXPLORATION: REFERENCES TO ASCENT ROUTES OF MT. LOGAN & MOUNTAIN PEAKS, 1875-1941

Received by Dr. Hildesheim (19.2.1949) Dr. Sch.

This promotional poster shows Mt. Logan, the highest mountain in Canada at 5959 m (18,500 ft). It is very hard to get one's head around how big it really is. For comparison, I have superimposed an outline of Mt. Rundle as it is often seen in Banff National Park. Rundle is impressive, but is barely one-third as tall as Mt. Logan, as measured from the adjacent valley floor.

Major Land Uses

Icefields Tourism Forestry

Main Communities

Stewart, British Columbia
Carcross, Yukon

Aboriginal Peoples

Parks and Natural Areas

Kluane National Park
Atlin Provincial Park
Chikoot Trail
Stikine River

Further Information

poking up the valleys toward the glaciers and icefields. The coast forest of stately western hemlock and sitka spruce intrudes from the west; the boreal forest of sharp-pointed spruce marches up the glacier-carved valleys from the east. Alpine tundra and meadows, a complex mosaic of grasses, herbs, shrubs and dwarf trees adapted to a brief growing season and frequent snow throughout the year, prevail at higher elevations. In September, aspen brighten the mountain flanks with sheets of brilliant yellow.

WILDLIFE:

This region is home to some of the continent's most spectacular wildlife, wildlife in scale to the size of the mountains. The largest sub-species of moose in the world is found here, with bulls weighing in at over 800 kilograms. The grizzly bears are almost as big as the moose. Dall's sheep, woodland caribou, mountain goats and other large mammals abound.

STATUS OF NATIONAL PARKS:

Kluane National Park and National Park Reserve (22,013 km²) includes many of



Summit of Mount Logan

the natural features, wildlife and vegetation that typify this region. A wilderness area famous for its abundant grizzly bears, Dall's sheep, caribou and mountain goats, it also includes the highest mountain in Canada (Mount Logan), vast ice fields and surging glaciers. Fringing the glaciers and mountains is a narrow "green belt" ranging from coniferous and deciduous forests to alpine tundra, covering about 18 percent of the park and providing important habitat for the park reserve's abundant wildlife.

In 1993, Canada, the Champagne and Aishihik First Nations and Yukon Government concluded a comprehensive land claim agreement. This resulted in the eastern portion of the park reserve lying in the claim area (about 30%) changing from reserve, to full national park status. Pending settlement of the Kluane First Nation and White River First Nation land claims, the remaining western portion remains a park reserve.

The park and park reserve, together with Tatshenshini-Alsek Wilderness Provincial Park in British Columbia, and Glacier Bay/Wrangle/St. Elias national parks in Alaska, form the largest international World Heritage Site in the world - approximately 85,000 square kilometres. Respective governments for the protected areas in the World Heritage Site, along with Aboriginal peoples, are considering an international arrangement to manage the areas in a complementary fashion



Dall's Sheep



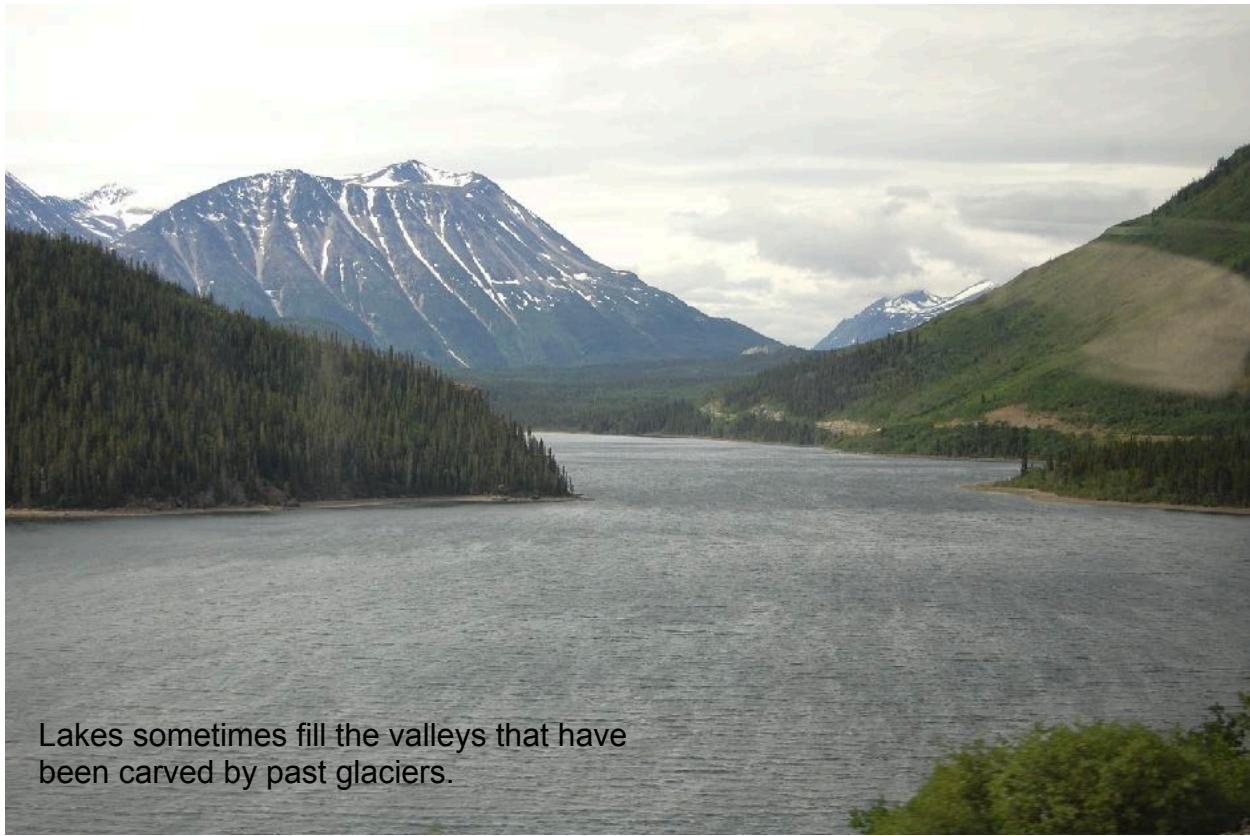


Coastal art has travelled to the interior of Yukon along ancient trade routes that connect the salmon-based cultures with the caribou-based peoples of the Interior.



In 1898, thousands of wanna-be millionaires trudged over the Chilkoot Pass on this narrow trail, heading to the gold fields of Dawson City.





Lakes sometimes fill the valleys that have been carved by past glaciers.

Rivers pour out of the 6 Northern Coast Mountains of Kluane National Park onto the relatively level 7 Northern Interior Plateaux.

