



- The Rocky Mountains along Peel River Portage are built of sandstone shales and quartzites of Cretaceous age. No limestone were noted either 'in situ' or in the work of any of the streams.
1. Laurentian drift 1800' above sea level.
  2. Shales interbedded with sandstone holding carbonized fragments of woods and large shells (Fossils).
  3. Shales and sandstones exposed in banks of Peel River.
  4. Cretaceous sandstone overlying dark shales horizontal.
  5. Greyish sandstone and quartzites nearly horizontal.
  6. Quartzite veins dipping to the east at angles of 20° to 75°.
  7. Sandstones and quartzites dip to the east at low angles.

Geological Survey Department,  
Canada.  
HONOURABLE EDGAR DEWDNEY, MINISTER.  
ALFRED R. SELWYN, C.M.G., F.R.S., &c., DIRECTOR.  
1891.

MAP  
of a portion of the  
**MACKENZIE and YUKON BASINS**  
To accompany Report of  
R.G. McCONNELL, B.A.  
1890.



SOURCES OF INFORMATION

Mackenzie River and lower part of Peel River, from micrometer survey by W. Ogilvie, D.L.S., of the Topographical Survey Branch, Department of the Interior.

Traverse across mountains, through Mc'Dougall's Pass, from track survey by W. Ogilvie, D.L.S.

Traverse across mountains, through Peel River Portage, from track survey by R.G. McConnell, B.A., Geological Survey Department.

Notes along Mc'Dougall's Pass, by W. Ogilvie, D.L.S.

The forests bordering the Mackenzie, with the exception of the balsam poplar which disappears above Bear R., contains the same species from Great Slave Lake to the mouth of Peel R. The white spruce is the most abundant variety; it ranges in diameter from 6 to 12 inches, but attains in some instances a diameter of over 15 inches. With it are the black spruce, the balsam poplar, the aspen, the canoe birch, the lamarac and various species of willow.

125 ft. cream colored limestone at head of Ramparts, part way down, bluish shales appear beneath them, and gradually rise in walls as we descend. Both limestones are highly fossiliferous.

Compiled and drawn for Photo-lithography by C.O. Senechal, C.E. under the direction of Scott Barlow, Chief Draughtsman.

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5.15  
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