Energy, Mines and Resources Canada | Énergie, Mines et Ressources Canada

THE NATIONAL ATLAS OF CANADA 5th EDITION

CANADA

ROAD TRANSPORTATION NETWORK

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Scale 1:7 500 000 or 1 centimetre represents 75 kilometres

75 0 75 150 225 300 375 450 kilometres

Lambert Conformal Conic Projection, Standard Parallels 49°N and 77°N.
Modified Polyconic Projection, North of Latitude 80°.

Sources:
Alberta, Department of Tourism and Small Business. *Province of Alberta Canada Official Road Map 1980/81*. Scale 1:1 500 000. Edmonton.
British Columbia, Department of Tourism. 1981. *Super, Natural British Columbia, Canada Road Map*. Scale 1:2 400 000. Victoria.
Canada. Energy, Mines and Resources Canada, Surveys and Mapping Branch. 1974. *Topographic Mapping Manual of Compilation Specifications and Instructions*. 3rd edition. Ottawa.
_____. 1980. *Canada - Agricultural Lands*. The National Atlas of Canada, 5th edition. Map. Scale 1:7 500 000. Ottawa.
_____. Forthcoming. *Canada - Population Density 1976*. The National Atlas of Canada, 5th edition. Map. Scale 1:7 500 000. Ottawa.
_____. Forthcoming. *Canada - Population Distribution, 1976*. The National Atlas of Canada, 5th edition. Map. Scale 1:7 500 000. Ottawa.
_____. *International Map of the World / Carte internationale du monde*. Map Series. Scale 1:1 000 000. Ottawa.
_____. *National Topographic System Maps of Canada/Cartes du Canada du Système National de référence cartographique*. Map Series. Scales 1:50 000 and 1:250 000. Ottawa.
_____. *World Aeronautical Charts (WAC)*. Map Series. Scale 1:1 000 000. Ottawa.
Canada, Transport Canada, Transportation Development Agency. November 1976. *Highway Systems in Canada*. Ottawa.
Manitoba, Department of Highways and Transportation. *Welcome to Manitoba Official Highway Map 1981-82*. Scale 1:900 000. Winnipeg.
New-Brunswick, Department of Tourism. 1981. *New Brunswick Atlantic Canada 1981-82/Nouveau-Brunswick Dans les provinces de l'Atlantique 1981-82*. Map. Scale 1:660 000.
Newfoundland and Labrador, Department of Tourism, Recreation and Culture. 1981. *Newfoundland and Labrador Atlantic Canada Official Road Map*. Scales 1:1 200 000 and 1:3 125 000. St. John's.
Northwest Territories, Travel Arctic. 1981. *Official Explorer's Map - Northwest Territories Canada*. Scales 1:2 269 000 and 1:4 627 000. Yellowknife.
Nova Scotia, Department of Tourism and Department of Transportation. 1981. *Nova Scotia Official Highway Map*. Scale 1:633 000. Halifax.
Ontario, Ministry of Transportation and Communications. *Official Road Map 1980/1981*. Carte bilingue. Scales 1:800 000 and 1:1 600 000. Toronto.
Prince Edward Island, Department of Tourism, Industry and Energy. 1981. *Prince Edward Island Canada Official Tourist Map/Carte touristique officielle*. Scale 1:250 000. Charlottetown.
Québec, Ministère des Transports. 1981. *Le Québec à la carte*. Échelle 1:1 000 000. Québec.
Québec, Société de développement de la Baie James, Environnement et Aménagement du territoire. 1978. *Territoire de la Baie James*. Atlas. Montréal.
Rolph McNally Limited. 1981. *British Columbia, Alberta*. Map. Scale 1:2 000 000. Toronto.
Saskatchewan, Department of Highways and Transportation. January 1981. *Saskatchewan Official Highway Map*. Scale 1:1 500 000. Regina.
Yukon Territory, Department of Mines and Technical Surveys, Surveys and Mapping Branch. 1976. *Yukon Territory*. Unpublished Map Manuscript. Scale 1:1 267 200. Whitehorse.
_____. Department of Tourism. 1978. *Yukon Official Road Map*. Scale 1:2 250 000. Whitehorse.
Personal Communications:
Beckett, W.T. Newfoundland, Department of Transportation, Highway Planning and Research. St. John's.
Bees, D.M. Indian and Northern Affairs Canada, Technical Services and Contracts Branch, Transportation Division. Ottawa.
Boudreau, R. Saskatchewan, Department of Highways and Transportation. Regina.
Brown, N. Roads and Transportation Association of Canada. Ottawa.
Christensen, A.K. Yukon Territory, Department of Highways and Public Works. Whitehorse.
Frebold, B. Transport Canada, Highway Branch. Ottawa.
Galarneau, J.R. Transport Canada, Highway Branch. Ottawa.
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Roy, C. Québec, Ministère des Transports. Québec.
Smith, L.W. New Brunswick, Department of Transportation. Fredericton.
Tibert, W.K. New Brunswick, Department of Transportation. Fredericton.
Walker, T. Prince Edward Island, Department of Highways and Public Works. Charlottetown.
Wood, T.P. Ontario, Ministry of Transportation and Communications, Surveys and Plans Office. Downsview.

ROAD TRANSPORTATION NETWORK 1981

	Existing	Under Construction
NATIONAL AND MAJOR PROVINCIAL ROADS		
Trans Canada Highway		
Multilane Roads		
Hard Surface Roads		
Loose Surface Roads		
OTHER PROVINCIAL ROADS		
Multilane Roads		
Hard Surface Roads		
Loose Surface Roads		
FRONTIER ROADS		
Loose Surface Roads		
MAJOR FERRY ROUTES		
Annual		
Seasonal		
NODES	•Drummondville	
SETTLED REGION		
Population density of 1-9 persons per km²		
Population density of 10-999 persons per km²		
Population density of 1 000 persons or more per km²		

Notes:

National and Major Provincial Roads is a category representing the road system linking major national and provincial centres of population and economic activity in Canada. Using a network concept, it is possible to determine a selection of roads through a system of nodes and linkages identified on the basis of population served (i.e. population size of centres), as well as regional significance of the centres in terms of human activity. Such an approach ensures consistency in a national classification system, and is useful in identifying differences between primary and secondary road transportation networks in Canada. (See Canada, Transport Canada. 1976. *Highway Systems in Canada*. Ottawa.)

For the purposes of this map, the selection of nodes was developed to include,

a. All centres having a 1976 population of 4 500 persons or more.
b. All centres having a 1976 population of 3 000 persons or more situated within parts of the settled region with a population density of 1-9 persons per km².
c. All centres having a 1976 population of 2 000 persons or more outside of the settled region.

Due to the limitations of scale only selected nodes are shown within areas having a population density of 25 persons or more per km².

Routes linking these nodes form the category of ***National and Major Provincial Roads.***

Other Provincial Roads is a category which includes the remaining provincial road networks, or equivalents, as identified on the official provincial road maps. Together with the previous category, these two levels of road systems constitute the maximum density of a national network that can be mapped at the scale of 1:7 500 000.

Frontier Roads is a category which constitutes the system of existing roads having public access or limited public access beyond the boundary of the settled region and which have not already been identified in either of the previous two categories of roads. In this case, surface characteristics may vary from gravel, stone or soil - surfaced roads, to natural roadways with little or no improvement sufficiently wide to accomodate four-wheeled vehicles.

All ***National and Major Provincial Roads,*** and ***Other Provincial Roads*** are all-weather roads classified into one of three categories: Multilane, Hard surface or Loose surface roads. Multilane roads are hard surface dual roads with or without a median. Hard surface roads include all roads constructed of portland cement concrete, bituminous concrete, sheet asphalt, rock asphalt, brick block, or mixed bituminous material. Loose surface roads are those roads constructed of stabilized material such as gravel or stone which can be either graded or oil treated.

Based on advice from the various federal and provincial road authorities in Canada, some minor local refinements to the criteria for selection of roads have been made.

For the purposes of this map, the outline of the settled region has been developed by superimposing a map showing the extent of land in agricultural use over a map of population density. Both the extent of land in agricultural use and population density were taken from The National Atlas of Canada, 5th Edition maps entitled, *Canada - Agricultural Lands* and *Canada - Population Density 1976* (in preparation).

This map was prepared in collaboration with federal, provincial and other road authorities in Canada (See list of Personal Communications). Research by S. Palko and P.J. Lloyd, Geographical Research, Geographical Services Division, Surveys and Mapping Branch, Energy, Mines and Resources Canada.

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