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°.

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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 purpose 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.

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

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

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. Pallo and P.J. Lloyd, Geographical Research, Geographical Services Division, Surveys and Mapping Branch, Energy, Mines and Resources Canada.

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