

**Energy, Mines and Resources Canada** / **Energie, Mines et Ressources Canada**

**THE NATIONAL ATLAS OF CANADA 5th EDITION**

# CANADA

## RAILWAY TRANSPORTATION NETWORK

Produced by the Geographical Services Division, Surveys and Mapping Branch, Energy, Mines and Resources Canada. Printed 1984.

Copies of this map may be obtained from the Canada Map Office, Energy, Mines and Resources Canada, Ottawa, or your nearest map dealer. Quote MCR 4070.

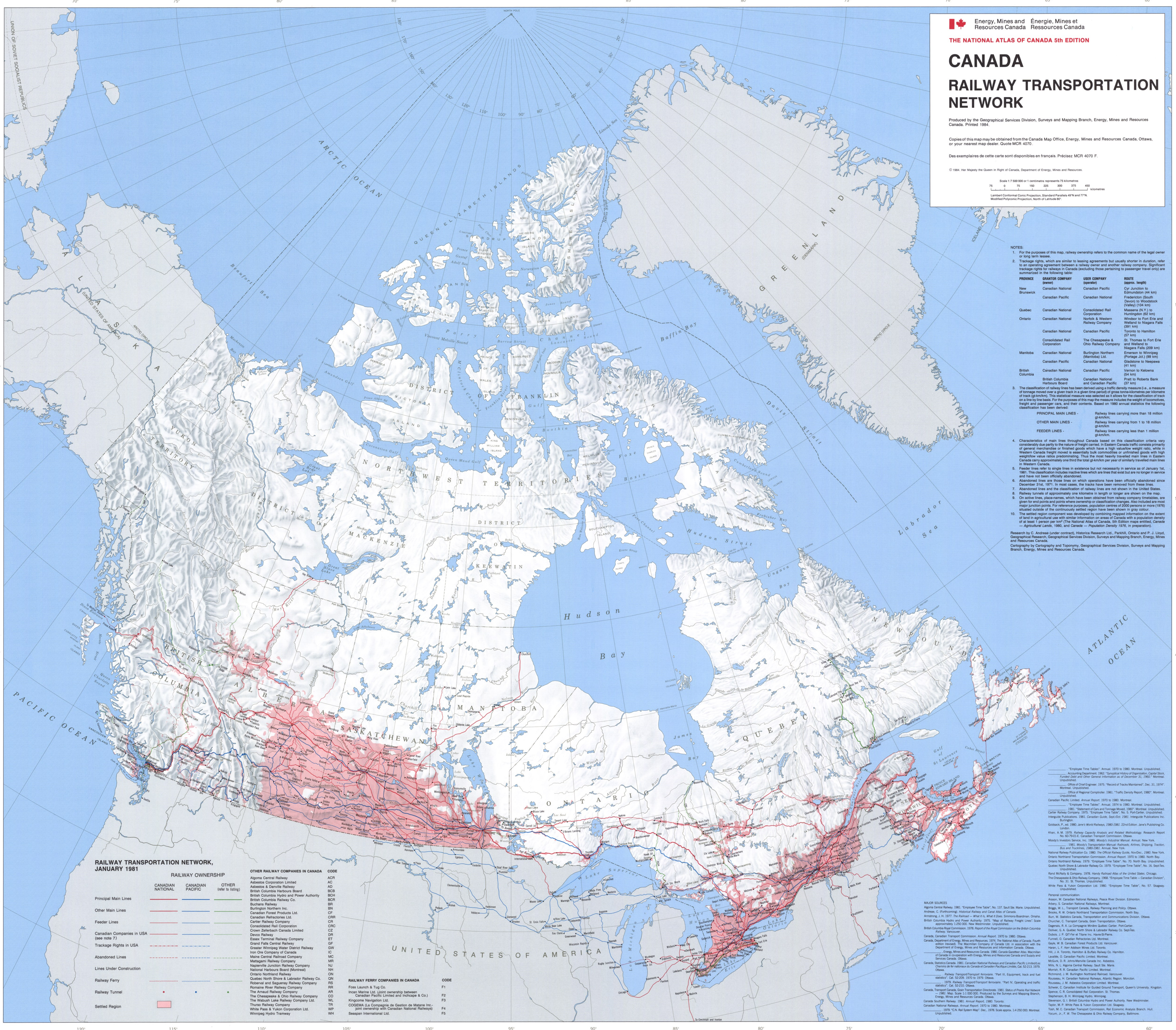
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Scale 1:7 500 000 or 1 centimetre represents 75 kilometres

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°



- NOTES:**
- For the purposes of this map, railway ownership refers to the common name of the legal owner or long term lessee.
  - Trackage rights, which are similar to leasing agreements but usually shorter in duration, refer to an operating agreement between a railway owner and another railway company. Significant trackage rights for railways in Canada (excluding those pertaining to passenger travel only) are summarized in the following table:
- | PROVINCE                      | GRANTOR COMPANY                       | USER COMPANY   | ROUTE (km)                                      |
|-------------------------------|---------------------------------------|--|---|
| New Brunswick                 | Canadian National                     | Canadian Pacific   | Cyr Junction to Edmundston (44 km)              |
| Quebec                        | Canadian National                     | Consolidated Rail Corporation                              | Fredericton (South Devon) to Woodstock (104 km) |
| Ontario                       | Canadian National                     | Norfolk & Western Railway Company                          | Messina (N.Y.) to Huntington (82 km)            |
| Consolidated Rail Corporation | The Chesapeake & Ohio Railway Company | Windsor to Fort Erie and Welland to Niagara Falls (209 km) |   |
| Manitoba                      | Canadian National                     | Burlington Northern (Manitoba) Ltd.                        | Emerson to Winnipeg (Portage Jct) (99 km)       |
| Canadian Pacific              | Canadian National                     | Canadian National  | Gladsion to Neewawa (41 km)                     |
| British Columbia              | British Columbia Harbour Board        | Canadian Pacific   | Vernon to Kelowna (54 km)                       |
|                               | Canadian National                     | Canadian Pacific   | Pratt to Roberts Bank (27 km)                   |
- The classification of railway lines has been derived using a traffic density measure (i.e., a measure of tonnage moved over a given track in a given time period) of gross tonnage per kilometre of track (g-t/km). This statistical measure was selected as it allows for the classification of track on a line by the basis. For the purposes of this map, the weight of locomotives, freight and passenger cars, and their contents. Based on 1980 annual statistics for this classification has been derived:
- PRINCIPAL MAIN LINES** - Railway lines carrying more than 18 million g-t/km/yr.
  - OTHER MAIN LINES** - Railway lines carrying from 1 to 18 million g-t/km/yr.
  - FEEDER LINES** - Railway lines carrying less than 1 million g-t/km/yr.
- Characteristics of main lines throughout Canada based on this classification criteria vary considerably due partly to the nature of freight carried. In Eastern Canada traffic consists primarily of general merchandise or finished goods which have a high value/weight ratio, while in Western Canada freight moved is essentially bulk commodities or unfinished goods with low weight/value ratios predominating. Thus the most heavily travelled main lines in Eastern Canada carry approximately one third the total g-t/km/yr of similarly travelled main lines in Western Canada.
  - Feeder lines refer to single lines in existence but not necessarily in service as of January 15, 1981. This classification includes inactive lines which are lines that exist but are no longer in service and have not been officially abandoned.
  - Abandoned lines are those lines on which operations have been officially abandoned since December 31st, 1971. In most cases, the tracks have been removed from these lines.
  - Abandoned lines and the classification of railway lines are not shown in gray color.
  - Railway tunnels of approximately one kilometre in length or longer are shown on the map.
  - On active lines, place-names, which have been obtained from railway company timetables, are given for end points and points where ownership or classification changes. Also included are most major junction points. For reference purposes, population centres of 2000 persons or more (1976) situated outside of the continuously settled region have been shown in gray color.
  - The settled region comprises information on areas of Canada with a population density of at least 1 person per km<sup>2</sup> (The National Atlas of Canada, 5th Edition maps entitled, Canada - Agricultural Lands, 1980, and Canada - Population 1976, in preparation).

**RAILWAY TRANSPORTATION NETWORK, JANUARY 1981**

	RAILWAY OWNERSHIP		
	CANADIAN NATIONAL	CANADIAN PACIFIC	OTHER (refer to listing)
Principal Main Lines	Red	Orange	Green
Other Main Lines	Red	Orange	Green
Feeder Lines	Yellow	Yellow	Yellow
Abandoned Lines	Dashed Green	Dashed Green	Dashed Green
Lines Under Construction	Dashed Blue	Dashed Blue	Dashed Blue
Railway Ferry	Dotted Green	Dotted Green	Dotted Green
Railway Tunnel	Dotted Blue	Dotted Blue	Dotted Blue
Settled Region	Red	Red	Red

OTHER RAILWAY COMPANIES IN CANADA	CODE
Algoma Central Railway	ACR
Asbestos Corporation Limited	AC
Asbestos & Davie Railway	AD
British Columbia Harbours Board	BCB
British Columbia Hydro and Power Authority	BCH
British Columbia Railway Co.	BCR
Buchans Railway	BR
Burlington Northern Inc.	BN
Canada Forest Products Ltd.	CF
Canadian Refractories Ltd.	CR
Carder Railway Company	CR
Consolidated Rail Corporation	CR
Crown Zellerbach Canada Limited	CZ
Devco Railway	DE
Essex Terminal Railway Company	ET
Grand Falls Central Railway	GF
Greater Winnipeg Water District Railway	GW
Iron Ore Company of Canada	IC
Maine Central Railway Company	MC
Matagami Railway Company	MR
Naperville Junction Railway Company	NJ
National Harbours Board (Montreal)	NH
Ontario Northland Railway	ON
Quebec North Shore & Labrador Railway Co.	QN
Roberval and Saguenay Railway Company	RS
Romaine River Railway Company	RR
The Arnold Railway Company	AR
The Chesapeake & Ohio Railway Company	CO
The Watshull Lake Railway Company Ltd.	WL
Thurso Railway Company	TR
White Pass & Yukon Corporation Ltd.	WP
Winnipeg Hydro Tramway	WH

RAILWAY FERRY COMPANIES IN CANADA	CODE
Foxe Launch & Tug Co.	F1
Indian Marine Ltd. (Joint ownership between Canadian Pacific Limited and Innapack & Co.)	F2
Kingcome Navigation Ltd.	F3
COGEMA (La Compagnie de Gestion de Matane Inc. - Joint ownership with Canadian National Railways)	F4
Seaspan International Ltd.	F5

**MAJOR SOURCES**

Algoma Central Railway, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Asbestos & Davie Railway, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Asbestos Corporation Limited, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Asbestos & Davie Railway, 1981. "Employee Time Table", No. 137. See also: Unpublished.

British Columbia Harbours Board, 1979. "Employee Time Table", No. 137. See also: Unpublished.

British Columbia Hydro and Power Authority, 1979. "Employee Time Table", No. 137. See also: Unpublished.

British Columbia Railway Co., 1981. "Employee Time Table", No. 137. See also: Unpublished.

Burlington Northern Inc., 1981. "Employee Time Table", No. 137. See also: Unpublished.

Canada Forest Products Ltd., 1981. "Employee Time Table", No. 137. See also: Unpublished.

Canadian Refractories Ltd., 1981. "Employee Time Table", No. 137. See also: Unpublished.

Carder Railway Company, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Consolidated Rail Corporation, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Crown Zellerbach Canada Limited, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Devco Railway, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Essex Terminal Railway Company, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Grand Falls Central Railway, 1981. "Employee Time Table", No. 137. See also: Unpublished.

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Iron Ore Company of Canada, 1981. "Employee Time Table", No. 137. See also: Unpublished.

Maine Central Railway Company, 1981. "Employee Time Table", No. 137. See also: Unpublished.

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Naperville Junction Railway Company, 1981. "Employee Time Table", No. 137. See also: Unpublished.

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The Chesapeake & Ohio Railway Company, 1981. "Employee Time Table", No. 137. See also: Unpublished.

The Watshull Lake Railway Company Ltd., 1981. "Employee Time Table", No. 137. See also: Unpublished.

Thurso Railway Company, 1981. "Employee Time Table", No. 137. See also: Unpublished.

White Pass & Yukon Corporation Ltd., 1981. "Employee Time Table", No. 137. See also: Unpublished.

Winnipeg Hydro Tramway, 1981. "Employee Time Table", No. 137. See also: Unpublished.