

Canada's Natural Resource Industries

Data Appendix

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Note: All data described in this appendix is available in file "NRCdata3.xls/rawdata".

Urquhart refers to M. C. Urquhart (1993), Gross National Product, Canada, 1870-1926: The Derivation of the Estimates, McGill-Queen's Press.

HS1 refers to K.A.H. Buckley and M.C. Urquhart (Eds.) (1964), Historical Statistics of Canada, 1st Edition, Macmillan Press.

HS2 refers to F.H. Leacy (Ed.) (1983), Historical Statistics of Canada, 2nd Edition, Statistics Canada.

USHS refers to Bureau of the Census (1975), Historical Statistics of the United States: Colonial Times to 1970, Bicentennial Edition, U.S. Department of Commerce.

Cansim refers to "<http://dc1.chass.utoronto.ca/cansim/>".

Estat refers to "<http://estat.statcan.ca/>".

Macro and Miscellaneous Variables

Nominal GNP: 1900-26 = Urquhart Table 1.6, GNP at market prices

1927-60 = HS1 E12, GNP at market prices

1961-99 = Cansim D16466, GNP at market prices

Aggregate WLL: 1927-60 = HS1 E1, wages salaries and supplementary labour income

1961-99 = Estat Table 3800016, wages and salaries

Nominal Manufacturing VA: 1900-26 = Urquhart Table 1.1, manufacturing GDP at factor cost

1927-69 = HS2 F60, manufacturing GDP at factor cost

1970-97 = Cansim I193505, manufacturing GDP at factor cost

1998-99 = Cansim I600105, converted to nominal using GNP deflator

Nominal Agriculture VA: 1900-26 = Urquhart Table 1.1, agriculture GDP at factor cost

1927-76 = HS2 F56, agriculture GDP at factor cost

1977-97 = Cansim I195501, agriculture GDP at factor cost

1998-99 = Cansim V3859617, crop and animal production GDP at market prices

Nominal Construction VA: 1900-26 = Urquhart Table 1.1, construction GDP at factor cost

1927-76 = HS2 F61, construction GDP at factor cost

1977-99 = Estat Table 3790023, construction GDP at current prices

Nominal Transportation VA: 1900-26 = Urquhart Table 1.1, transportation GDP at

factor cost
 1927-76 = HS2 F62+F63, transportation and storage GDP at factor cost
 1977-99 = Estat Table 3790023, transportation and warehousing GDP at current prices
 Nominal Communication VA: 1900-26 = Urquhart Table 1.1, communication GDP at factor cost
 1927-76 = HS2 F64, communication GDP at factor cost
 1977-99 = Estat Table 3790023, information and culture GDP at current prices
 Nominal Finance VA: 1900-26 = Urquhart Table 1.1, banking and finance GDP at factor cost
 1927-76 = HS2 F68, finance, insurance and real estate GDP at factor cost
 1977-99 = Estat Table 3790023, finance, insurance and real estate GDP at current prices
 Population: 1900-26 = Urquhart Table 1.6, estimated total population
 1927-60 = HS1 A1, estimated total population
 1961-71 = Cansim D892580, estimated total population
 1972-99 = Cansim C892268, estimated total population
 Labour Force: 1901, 1911, 1921 = HS2 N2, civilian labour force over 14 years of age
 1921-60 = HS2 N127, noninstitutional civilian labour force over 14 years of age
 1960-75 = HS2 N137, noninstitutional civilian labour force over 14 years of age
 1975-99 = Estat Table 2820008, noninstitutional civilian labour force over 15 years of age
 Manufacturing L: 1900, 1905, 1910, 1917-59 = HS1 Q2, total # employees
 1960-76 = HS2 R9, total activity # employees
 1977-83 = Cansim D700115, total activity # employees
 1984-87 = Cansim D662150, total activity # employees
 1988-99 = Cansim D968026, total activity # employees
 Agriculture L: 1901, 1911 = HS2 D5, total employment agricultural pursuits
 1921-60 = HS2 D131, total civilian employment
 1961-75 = HS2 D140, total civilian employment
 1976-99 = Estat Table 2820008, noninstitutional civilian labour force over 15 years of age
 Construction L: 1911 = HS2 D50, total work force
 1921-61 = HS2 D534, employment index
 1961-83 = Cansim 01432, employment index
 1983-99 = Estat Table 2810005, employment index
 Transportation L: 1900-21 = Urquhart Table 6.8, total # employees
 1921-61 = HS2 D535, employment index
 1961-83 = Cansim 01432, employment index
 1983-99 = Estat Table 2810005, employment index
 Finance L: 1911, 1921 = HS2 D62, work force finance/insurance/real estate
 1921-61 = HS2 D538, employment index
 1961-83 = Cansim 01432, employment index

1983-99 = Estat Table 2810005, employment index
 Manufacturing WLL: 1900-26 = Urquhart (1993) Table 4.6, wages and salaries
 1927-75 = HS2 R10 and R22, wages and salaries
 1976-82 = Estat Table 3010002, total activity wages and salaries
 1983-97 = Estat Table 3010001, total activity wages and salaries
 1998-99 = Estat Table 3010003, total activity wages and salaries
 Agriculture WLL: 1926-95 = Cansim D11801, wages and salaries
 1996-99 = StatsCan # 13-502, wages and salaries agriculture and fishing – WLL fishing (all levels)
 GNP Deflator: 1900-26 = Urquhart Table 1.6, implicit GNE deflator at market prices
 1927-60 = HS1 J153, implicit GNE deflator at market prices
 1961-99 = Cansim D23203, implicit GDP deflator at market prices
 US GNP Deflator: 1900-75 = USHS F5, implicit GNP deflator
 1975-99 = Budget of US Government, Historical Table 10.1
 Capital Cost Deflator: 1900-25 = HS2 K39, WPI iron and its products
 1926-75 = HS2 K164, implicit price index for manufacturing industries gross fixed capital stock
 1976-99 = Cansim D23192, implicit price index for business gross fixed capital stock
 CPI: 1900, 1905, 1909-13 = Emery and Levitt (2002, Table 2b), Toronto
 1913-75 = HS2 K8, national
 1975-99 = Estat Table 3260002, national
 Manufacturing WPI: 1900-75 = HS2 K33, excluding gold
 1976-99 = Estat Table 3290001, manufacturing industry product price index
 Agriculture WPI: 1900-74 = HS2 K49, total farm products
 1974-99 = Estat Table 0020022
 Services WPI: 1900-99 = (GNP Deflator – (Agriculture WPI x Agriculture Share GNP) – (Manufacturing WPI x Manufacturing Share GNP) – (4 Sector WPI x Natural Resource Share GNP)) / Services Share GNP
 Wood WPI: 1900-55 = HS2 K38, wood and its products
 1956-99 = Estat Table 3290001, wood industry price index
 Mining WPI: 1900-61 = HS2 K40, non-ferrous metals excluding gold
 1962-99 = Estat Table 3290001, primary metals price index
 Energy WPI: 1900-13 = HS2 K42, non-metallic minerals
 1913-52 = Statscan # 62-501, petroleum and its products
 1952-56 = HS2 K42, non-metallic minerals
 1956-99 = Estat Table 3290001, petroleum and coal products
 Fish WPI: 1900-43 = HS1 J55, fisheries products
 1943-81 = StatsCan # 62-501, fisheries products
 1981-99 = Estat Table 3290040, fisheries products
 General Wage Index: 1900-65 = HS2 E198
 1965-72 = HS2 E209
 1972-83 = Estat Table 2810021, average weekly earnings
 1983-99 = Estat Table 2810008
 Logging Wage Index: 1900-65 = HS2 E199
 1965-83 = Estat Table 2810022
 Wood and Forest Products Wage Index: 1983-99 = Estat Table 2810008

Coal Mining Wage Index: 1900-65 = HS2 E200
 Petroleum and Coal Products Wage Index: 1961-83 = Estat Table 2810022
 1983-99 = Estat Table 2810008
 Metal Mining Wage Index: 1900-65 = HS2 E201
 Mining Wage Index: 1961-83 = Estat Table 2810022, all mining
 1983-99 = Estat Table 2810008
 Manufacturing Wage Index: 1900-10 = HS2 E205, construction
 1911-65 = HS2 E202, all manufacturing
 Nominal Interest Rate: 1900-94 = McInnis/Queen's University Social Science Data
 Centre, government of Canada bond yields
 average 3-5 year
 1995-99 = Cansim B14003, government of Canada bond
 yields average 10 year
 US Wood WPI: 1900-26 = USHS E48, building materials
 1926-70 = USHS E32, lumber and wood products
 1970-99 = US Statistical Abstract, PPI
 US Mining WPI: 1900-51 = USHS E47, metals and metal products
 1951-70 = USHS E34
 1970-99 = US Statistical Abstract, PPI
 US Energy WPI: 1900-51 = USHS E46, fuel and lighting
 1951-70 = USHS E29, fuel and related products
 1970-99 = US Statistical Abstract, PPI
 US Fish WPI: 1900-35 = USHS E43, foods
 1935-70 = USHS E141, CPI fish
 1970-99 = US Statistical Abstract, PPI fin and shell fish
 Average Temperature: 1900-99 = US National Climate Data Center, annual
 average temperature, contiguous US (accessed
 November 16, 2009:
[http://climvis.ncdc.noaa.gov/cgi-bin/cag3/hr-
 display3.pl](http://climvis.ncdc.noaa.gov/cgi-bin/cag3/hr-display3.pl))
 Average Precipitation: 1900-99 = US National Climate Data Center, annual average total
 precipitation, contiguous US (accessed November 16,
 2009: [http://climvis.ncdc.noaa.gov/cgi-bin/cag3/hr-
 display3.pl](http://climvis.ncdc.noaa.gov/cgi-bin/cag3/hr-

 display3.pl))
 Improved Acres: 1901-71 = HS1 L12
 Seeded Acres: 1901 = HS1 L125-137 (by crop)
 1908-99 = Estat Table 0010017
 Timber Assets: 1911-61 = BC Ministry of Forestry Annual Reports, timber lands
 eligible for forest protection tax (acres)
 1921-93 = StatsCan # 25-202, Canadian Forestry Statistics, total
 economically accessible productive timber assets (ft3)
 1961-99 = Estat Table 1530029, nonreserved economically
 accessible opening stock (m3)
 TSE Composite: 1900-14 = Rosenbluth (accessed April 20, 2005:
<http://www.arts.ubc.ca/econsochist>)
 1914-56 = HS2 J494, total (excluding mines)
 monthly average closing prices
 1956-77 = HS2 J481, TSE 300 Composite,

December closing prices
1977-99 = TSE Annual Report, December closing prices

US S&P Composite: 1900-99 = USHS2 CJ800

Industrials Equity Price Index: 1900-14 = Prices and Price Indices, Vol. 2, Pg. 609
1914-77 = HS2 J482, J491
1977-99 = TSE Annual Report, Industrial Products

Energy Equity Price Index: 1900-14 = Annual Financial Review (by firm), weighted by 1926 share of total capitalized value
1914-52 = DBS Prices and Price Indices, oils annual average
1952-99 = TSE Annual Report, energy December closing prices

Forestry Equity Price Index: 1900-14 = Annual Financial Review (by firm), weighted by 1926 share of total capitalized value
1914-52 = DBS Prices and Price Indices, pulp and paper annual average
1952-99 = TSE Annual Report, paper and forest products December closing prices

Mining Equity Price Index: 1900-14 = Annual Financial Review (by firm), weighted by 1926 share of total capitalized value
1914-52 = DBS Prices and Price Indices, mines annual average
1952-99 = TSE Annual Report, industrial and metal mines December closing prices

Lumber Export Value: 1900-15 = Wood Products and Paper, HS1 F256
1916-17 = Linear Interpolation
1918-25 = HS1 F366
1926-60 = HS1 F302
1961-62 = HS2 L184 (Paper) + L145 (Lumber) + L118 (Primary Wood Products)
1963-98 = Estat Table 2260001, Crude + Primary + Paper
1999 = Estat Table 2290003

Total Lumber Volume: 1900-08=Lumber, Value of Production Deflated by Wood WPI
1908-75=HS2 L139, Volume Total Production
1976-99=Estat Table 3030009, Sawn Lumber Total Volume

Softwood Volume: 1900, 1902-07 = Predicted (t=1901, 1908-20) = 25060.06xyrs - 65563.27xyrssqu + 0.91215xtotalvolume - 0.0828471xbcvolume + 28.69476xww1dum + 0.0037454xexportvalue - 23900000
1901 = Softwood Volume Share, Census Vol. 2 x Total Volume
1908-99 = Total-HW

Hardwood Volume: 1900-07 = Total Volume - Softwood Volume
1908-75 = HS2 L138, Total Volume Hardwood
1975-84 = StatsCan #25-202
1985-99 = Estat Table 3030009, Share Non-Coniferous

BC Lumber Volume: 1900, 1902-07 = Predicted (t=1901, 1908-20) = 1770.521xyrs - 4179.483xyrssqu + 0.3091133xtotalvolume -

93.60529xww1dum +
 0.0984664xbcnatresrevenue -
 0.0003251xtotalexportvalue - 8.948931xhcpop -
 1854335

1901 = Share BC Lumber Value from 1901 Census, Vol. 3 x Total
 Volume

1908-46 = Volume BC Lumber Production, provided by R.C. Allen

1946-99 = Estat Table 3030009, Sawn Lumber Volume, BC

Woods Operations

- L: 1901, 1911, 1921 = Census of Canada, forestry all occupations
 1926-59 = HS1 K119, man years
 1960-64 = HS2 L129, man years
 1965-75 = HS2 L126, total activity # employees
 1976-89 = Statscan # 25-202, logging industry total activity # employees
 1990-99 = Estat Table 3010004, logging industry total activity # employees
- WLL: 1900-25 = Urquhart 1993 Chap. 3, total wage bill
 1926-59 = HS1 K120, salaries and wages
 1960-64 = HS2 L130, salaries and wages
 1965-75 = HS2 L127, total activity salaries and wages
 1976-89 = Statscan # 25-202, logging industry total activity salaries and wages
 1990-99 = Estat Table 3010004, logging industry total activity salaries and
 wages
- WMM: 1900-25 = gross value production-GDP
 1926-59 = HS1 K121, cost materials
 1960-64 = HS2 L131, cost materials
 1965-75 = HS2 L124-L125, value shipments-value added
 1976-89 = Statscan # 25-202, logging industry logging activity value shipments-
 value added
 1990-99 = Estat Table 3010004, logging industry logging activity value
 shipments-value added
- VA: 1900-25 = Urquhart 1993 Table 1.1, non-farm forestry GNP
 1926-59 = HS1, net value production
 1960-64 = HS2 L132, net value production
 1965-75 = HS2 L125, logging activity value added
 1976-89 = Statscan # 25-202, logging industry logging activity value added
 1990-99 = Estat Table 3010004, logging industry logging activity value added
- PQ: 1900-25 = Urquhart 1993, Table 3.3 x Table 3.4
 1926-59 = HS1 K123, gross value production
 1960-64 = HS2 L133, gross value production
 1965-75 = HS2 L124, logging activity value shipments
 1976-89 = Statscan # 25-202, logging industry logging activity value shipments
 1990-99 = Estat Table 3010004, logging industry logging activity value
 shipments

Lumber Industry

Establishments: 1900, 1905, 1910, 1915 = Canada Year Book, # establishments
1917-59 = HS1 K139, # establishments
1960-75 = HS2 L149, # establishments
1976-82 = Estat Table 3010002, sawmill manufacturing activity # establishments
1983-97 = Estat Table 3010001, manufacturing activity # establishments
1998-99 = Estat Table 3010003, manufacturing activity # establishments

L: 1900, 1905, 1910, 1915 = Canada Year Book, # employees
1917-59 = HS1 K140, # employees
1960-75 = HS2 L156, total activity # employees
1976-82 = Estat Table 3010002, sawmill total activity # employees
1983-97 = Estat Table 3010001, total activity # employees
1988-99 = Estat Table 3010003, total activity # employees

WLL: 1900, 1905, 1910, 1915 = Canada Year Book, salaries and wages
1917-59 = HS1 K141, salaries and wages
1960-75 = HS2 L157, total activity salaries and wages
1976-82 = Estat Table 3010002, sawmill total activity salaries and wages
1983-97 = Estat Table 3010001, total activity salaries and wages
1998-99 = Estat Table 3010003, total activity salaries and wages

WFF: 1918-20, 1924-59 = HS1 K142, cost fuel and electricity

WMM: 1910, 1915 = Canada Year Book, cost materials
1917-59 = HS1 K143, cost materials
1960-75 = HS2 L154-L155, manufacturing activity value shipments-value added
1976-82 = Estat Table 3010002, sawmill manufacturing activity value shipments-value added
1983-97 = Estat Table 3010001, manufacturing activity value shipments-value added
1998-99 = Estat Table 3010003, manufacturing activity value shipments-value added

VA: 1918-20, 1924-59 = HS1 K143, net value production
1960-75 = HS2 L155, manufacturing activity value added
1976-82 = Estat Table 3010002, sawmill manufacturing activity value added
1983-97 = Estat Table 3010001, manufacturing activity value added
1998-99 = Estat Table 3010003, manufacturing activity value added

PQ: 1900, 1905, 1910, 1915 = Canada Year Book, gross value production
1917-59 = HS1 K145, gross value production
1960-75 = HS2 L154, manufacturing activity value shipments
1976-82 = Estat Table 3010002, sawmill manufacturing activity value shipments
1983-97 = Estat Table 3010001, manufacturing activity value shipments
1998-99 = Estat Table 3010003, manufacturing activity value shipments

Pulp and Paper Industry

Establishments: 1900, 1905, 1910, 1915, 1917-18 = Canada Year Book, # paper mills
1919-59 = HS1 K169, # establishments

- 1960-75 = HS2 L189, pulp and paper mills # establishments
- 1976-82 = Estat Table 3010002, # establishments
- 1983-97 = Estat Table 3010001, # establishments
- 1998-99 = Estat Table 3010003, # establishments
- L: 1900, 1905, 1910, 1915, 1917-18 = Canada Year Book, paper mills, # employees
 - 1919-59 = HS1 K170, # employees
 - 1960-75 = HS2 L196, pulp and paper mills total activity # employees
 - 1976-82 = Estat Table 3010002, total activity # employees
 - 1983-97 = Estat Table 3010001, total activity # employees
 - 1988-99 = Estat Table 3010003, total activity # employees
- WLL: 1900, 1905, 1910, 1915, 1917-18 = Canada Year Book, paper mills, salaries and wages
 - 1919-59 = HS1 K171, salaries and wages
 - 1960-75 = HS2 L197, pulp and paper mills total activity salaries and wages
 - 1976-82 = Estat Table 3010002, total activity salaries and wages
 - 1983-97 = Estat Table 3010001, total activity salaries and wages
 - 1998-99 = Estat Table 3010003, total activity salaries and wages
- WFF: 1919-59 = HS1 K172, cost fuel and electricity
- WMM: 1910, 1915, 1917-18 = Canada Year Book, paper mills, cost materials
 - 1919-59 = HS1 K173, cost materials
 - 1960-75 = HS2 L194-L195, pulp and paper mills manufacturing activity value shipments-value added
 - 1976-82 = Estat Table 3010002, manufacturing activity value shipments-value added
 - 1983-97 = Estat Table 3010001, manufacturing activity value shipments-value added
 - 1998-99 = Estat Table 3010003, manufacturing activity value shipments-value added
- VA: 1919-59 = HS1 K174, net value production
 - 1960-75 = HS2 L195, pulp and paper mills manufacturing activity value added
 - 1976-82 = Estat Table 3010002, manufacturing activity value added
 - 1983-97 = Estat Table 3010001, manufacturing activity value added
 - 1998-99 = Estat Table 3010003, manufacturing activity value added
- PQ: 1900, 1905, 1910, 1915, 1917-18 = Canada Year Book, paper mills, gross value production
 - 1919-59 = HS1 K175, gross value production
 - 1960-75 = HS2 L194, pulp and paper mills manufacturing activity value shipments
 - 1976-82 = Estat Table 3010002, manufacturing activity value shipments
 - 1983-97 = Estat Table 3010001, manufacturing activity value shipments
 - 1998-99 = Estat Table 3010003, manufacturing activity value shipments

Wood Products Manufacturing Industries

- Establishments: 1905, 1917-59 = HS1 Q72, # establishments
- 1960-75 = HS2 R281, manufacturing activity # establishments
- 1976-82 = Estat Table 3010002, manufacturing activity #

- establishments
- 1983-97 = Estat Table 3010001, manufacturing activity # establishments
- 1998-99 = Estat Table 3010003, manufacturing activity # establishments
- L: 1900, 1905, 1910, 1917-59 = HS1 Q73, # employees
- 1960-75 = HS2 R289, total activity # employees
- 1976-82 = Estat Table 3010002, total activity # employees
- 1983-97 = Estat Table 3010001, total activity # employees
- 1988-99 = Estat Table 3010003, total activity # employees
- WLL: 1900-25 = Urquhart 1993 Table 4.6, salaries and wages
- 1900, 1905, 1910, 1917-59 = HS1 Q74, salaries and wages
- 1960-75 = HS2 R290, total activity salaries and wages
- 1976-82 = Estat Table 3010002, total activity salaries and wages
- 1983-97 = Estat Table 3010001, total activity salaries and wages
- 1998-99 = Estat Table 3010003, total activity salaries and wages
- WMM: 1900-25 = gross value production-GDP
- 1900, 1910, 1917-59 = HS1 Q75-Q77, gross value production-net value production
- 1960-75 = HS2 R287-R288, manufacturing activity value shipments-value added
- 1976-82 = Estat Table 3010002, manufacturing activity value shipments-value added
- 1983-97 = Estat Table 3010001, manufacturing activity value shipments-value added
- 1998-99 = Estat Table 3010003, manufacturing activity value shipments-value added
- VA: 1900-25 = Urquhart 1993 Table 4.5, GDP
- 1900, 1910, 1917-59 = HS1 Q77, value added by manufacture
- 1960-75 = HS2 R288, manufacturing activity value added
- 1976-82 = Estat Table 3010002, manufacturing activity value added
- 1983-97 = Estat Table 3010001, manufacturing activity value added
- 1998-99 = Estat Table 3010003, manufacturing activity value added
- PQ: 1900-25 = Urquhart 1993 Table 4.1, gross value production
- 1900, 1905, 1910, 1917-58 = HS1 Q75, gross value production
- 1959-75 = HS2 R289, manufacturing activity value shipments
- 1976-82 = Estat Table 3010002, manufacturing activity value shipments
- 1983-97 = Estat Table 3010001, manufacturing activity value shipments
- 1998-99 = Estat Table 3010003, manufacturing activity value shipments

Paper and Allied Products Manufacturing Industries

- Establishments: 1905, 1917-59 = HS1 Q78, # establishments
- 1960-75 = HS2 R309, manufacturing activity # establishments
- 1976-82 = Estat Table 3010002, manufacturing activity # establishments
- 1983-97 = Estat Table 3010001, manufacturing activity # establishments
- 1998-99 = Estat Table 3010003, manufacturing activity # establishments

establishments

- L: 1900, 1905, 1910, 1917-59 = HS1 Q79, # employees
1960-75 = HS2 R317, total activity # employees
1976-82 = Estat Table 3010002, total activity # employees
1983-97 = Estat Table 3010001, total activity # employees
1988-99 = Estat Table 3010003, total activity # employees
- WLL: 1900-25 = Urquhart 1993 Table 4.6, salaries and wages
1900, 1905, 1910, 1917-59 = HS1 Q80, salaries and wages
1960-75 = HS2 R318, total activity salaries and wages
1976-82 = Estat Table 3010002, total activity salaries and wages
1983-97 = Estat Table 3010001, total activity salaries and wages
1998-99 = Estat Table 3010003, total activity salaries and wages
- WMM: 1900-25 = gross value production-GDP
1900, 1910, 1917-59 = HS1 Q81-Q83, gross value production-net value
production
1960-75 = HS2 R315-R316, manufacturing activity value shipments-value added
1976-82 = Estat Table 3010002, manufacturing activity value shipments-value
added
1983-97 = Estat Table 3010001, manufacturing activity value shipments-value
added
1998-99 = Estat Table 3010003, manufacturing activity value shipments-value
added
- VA: 1900-25 = Urquhart 1993 Table 4.5, GDP
1900, 1910, 1917-59 = HS1 Q83, value added by manufacture
1960-75 = HS2 R316, manufacturing activity value added
1976-82 = Estat Table 3010002, manufacturing activity value added
1983-97 = Estat Table 3010001, manufacturing activity value added
1998-99 = Estat Table 3010003, manufacturing activity value added
- PQ: 1900-25 = Urquhart 1993 Table 4.1, gross value production
1900, 1905, 1910, 1917-58 = HS1 Q81, gross value production
1959-75 = HS2 R315, manufacturing activity value shipments
1976-82 = Estat Table 3010002, manufacturing activity value shipments
1983-97 = Estat Table 3010001, manufacturing activity value shipments
1998-99 = Estat Table 3010003, manufacturing activity value shipments

Metallic Mineral Mining Industries

- Establishments: 1923-60 = HS1 N82, # establishments
1975-99 = Estat Table 1520002, metal ore mining #
establishments
- L: 1923-60 = HS1 N83, # employees
1961-75 = HS2 P151, # employees
1977-99 = Estat Table 1520002, metal ore mining total activity # employees
- WLL: 1900-22 = Urquhart 1993 Chap 3, salaries and wages
1923-60 = HS1 N84, salaries and wages
1961-75 = HS2 P152, salaries and wages
1977-99 = Estat Table 1520002, metal ore mining total activity salaries and
wages

WMM: 1900-26 = gross value production-GDP
 1936-60 = HS1 N86, cost process supplies and containers
 1961-75 = HS2 P154, cost process supplies and containers
 1977-99 = Estat Table 1520002, metal ore mining value production-mining value added
 WFF: 1950-60 = HS1 N85, cost fuel and electricity
 1961-75 = HS2 P153, cost fuel and electricity
 VA: 1900-26 = Urquhart 1993 Chap 3, GDP
 1935-60 = HS1 N88, net value added by processing
 1961-75 = HS2 P156, net value added by processing
 1977-99 = Estat Table 1520002, metal ore mining value added
 PQ: 1900-22 = Urquhart 1993 Chap 3, gross value production
 1923-34, 1936-60 = HS1 N87, gross value production
 1961-75 = HS2 P155, gross value production
 1977-94 = Estat Table 1520002, metal ore mining value production

Non-Metallic Mineral Mining Industries

Establishments: 1923-60 = HS1 N163, # establishments
 1975-1999 = Estat Table 1520002, # establishments
 L: 1923-60 = HS1 N164, # employees
 1961-75 = HS2 P157, # employees
 1977-99 = Estat Table 1520002, total activity # employees
 WLL: 1900-22 = Urquhart 1993 Chap 3, salaries and wages
 1923-60 = HS1 N165, salaries and wages
 1961-75 = HS2 P158, salaries and wages
 1977-99 = Estat Table 1520002, total activity salaries and wages
 WMM: 1900-26 = gross value production-GDP
 1936-60 = HS1 N167, cost process supplies and containers
 1961-75 = HS2 P160, cost process supplies and containers
 1977-99 = Estat Table 1520002, value production-mining value added
 WFF: 1950-60 = HS1 N166, cost fuel and electricity
 1961-75 = HS2 P159, cost fuel and electricity
 VA: 1900-26 = Urquhart 1993 Chap 3, GDP
 1935-60 = HS1 N169, net value added by processing
 1961-75 = HS2 P162, net value added by processing
 1977-99 = Estat Table 1520002, mining value added
 PQ: 1900-22 = Urquhart 1993 Chap 3, gross value production
 1923-34, 1936-60 = HS1 N168, gross value production
 1961-75 = HS2 P161, gross value production
 1977-94 = Estat Table 1520002, value production

Non-Metallic Mineral Products Manufacturing Industries

Establishments: 1905, 1917-59 = HS1 Q114, # establishments
 1960-75 = HS2 R422, manufacturing activity # establishments
 1976-82 = Estat Table 3010002, manufacturing activity # establishments

- 1983-97 = Estat Table 3010001, manufacturing activity # establishments
 1998-99 = Estat Table 3010003, manufacturing activity # establishments
- L: 1900, 1905, 1910, 1917-59 = HS1 Q115, # employees
 1960-75 = HS2 R430, total activity # employees
 1976-82 = Estat Table 3010002, total activity # employees
 1983-97 = Estat Table 3010001, total activity # employees
 1988-99 = Estat Table 3010003, total activity # employees
- WLL: 1900-25 = Urquhart 1993 Table 4.6, (incl. fuel) salaries and wages
 1900, 1905, 1910, 1917-59 = HS1 Q116, salaries and wages
 1960-75 = HS2 R431, total activity salaries and wages
 1976-82 = Estat Table 3010002, total activity salaries and wages
 1983-97 = Estat Table 3010001, total activity salaries and wages
 1998-99 = Estat Table 3010003, total activity salaries and wages
- WMM: 1900-25 = (incl. fuel) gross value production-GDP
 1900, 1910, 1917-59 = HS1 Q117-Q119, gross value production-net value production
 1960-75 = HS2 R428-R429, manufacturing activity value shipments-value added
 1976-82 = Estat Table 3010002, manufacturing activity value shipments-value added
 1983-97 = Estat Table 3010001, manufacturing activity value shipments-value added
 1998-99 = Estat Table 3010003, manufacturing activity value shipments-value added
- VA: 1900-25 = Urquhart 1993 Table 4.5, (incl. fuel) GDP
 1900, 1910, 1917-59 = HS1 Q119, value added by manufacture
 1960-75 = HS2 R429, manufacturing activity value added
 1976-82 = Estat Table 3010002, manufacturing activity value added
 1983-97 = Estat Table 3010001, manufacturing activity value added
 1998-99 = Estat Table 3010003, manufacturing activity value added
- PQ: 1900-25 = Urquhart 1993 Table 4.1, (incl. fuel) gross value production
 1900, 1905, 1910, 1917-58 = HS1 Q117, gross value production
 1959-75 = HS2 R428, manufacturing activity value shipments
 1976-82 = Estat Table 3010002, manufacturing activity value shipments
 1983-97 = Estat Table 3010001, manufacturing activity value shipments
 1998-99 = Estat Table 3010003, manufacturing activity value shipments

Iron and Steel Products Manufacturing Industries

- Establishments: 1905, 1917-59 = HS1 Q90, # establishments
- L: 1900, 1905, 1910, 1917-59 = HS1 Q91, # employees
- WLL: 1900-25 = Urquhart 1993 Table 4.6, salaries and wages
 1900, 1905, 1910, 1917-59 = HS1 Q92, salaries and wages
- WMM: 1900-25 = gross value production-GDP
 1900, 1910, 1917-59 = HS1 Q93-Q95, gross value production-net value production
- VA: 1900-25 = Urquhart 1993 Table 4.5, GDP

1900, 1910, 1917-59 = HS1 Q95, value added by manufacture
PQ: 1900-25 = Urquhart 1993 Table 4.1, gross value production
1900, 1905, 1910, 1917-58 = HS1 Q93, gross value production

Nonferrous Metals Products Manufacturing Industries

Establishments: 1905, 1917-59 = HS1 Q102, # establishments
L: 1900, 1905, 1910, 1917-59 = HS1 Q103, # employees
WLL: 1900-25 = Urquhart 1993 Table 4.6, salaries and wages
1900, 1905, 1910, 1917-59 = HS1 Q104, salaries and wages
WMM: 1900-25 = gross value production-GDP
1900, 1910, 1917-59 = HS1 Q105-Q107, gross value production-net value
production
VA: 1900-25 = Urquhart 1993 Table 4.5, GDP
1900, 1910, 1917-59 = HS1 Q107, value added by manufacture
PQ: 1900-25 = Urquhart 1993 Table 4.1, gross value production
1900, 1905, 1910, 1917-58 = HS1 Q105, gross value production

Primary Metals Manufacturing Industries

Establishments: 1960-75 = HS2 R343, manufacturing activity # establishments
1976-82 = Estat Table 3010002, manufacturing activity #
establishments
1983-97 = Estat Table 3010001, manufacturing activity #
establishments
1998-99 = Estat Table 3010003, manufacturing activity #
establishments
L: 1960-75 = HS2 R351, total activity # employees
1976-82 = Estat Table 3010002, total activity # employees
1983-97 = Estat Table 3010001, total activity # employees
1988-99 = Estat Table 3010003, total activity # employees
WLL: 1960-75 = HS2 R352, total activity salaries and wages
1976-82 = Estat Table 3010002, total activity salaries and wages
1983-97 = Estat Table 3010001, total activity salaries and wages
1998-99 = Estat Table 3010003, total activity salaries and wages
WMM: 1960-75 = HS2 R349-R350, manufacturing activity value shipments-value added
1976-82 = Estat Table 3010002, manufacturing activity value shipments-value
added
1983-97 = Estat Table 3010001, manufacturing activity value shipments-value
added
1998-99 = Estat Table 3010003, manufacturing activity value shipments-value
added
VA: 1960-75 = HS2 R350, manufacturing activity value added
1976-82 = Estat Table 3010002, manufacturing activity value added
1983-97 = Estat Table 3010001, manufacturing activity value added
1998-99 = Estat Table 3010003, manufacturing activity value added
PQ: 1959-75 = HS2 R349, manufacturing activity value shipments
1976-82 = Estat Table 3010002, manufacturing activity value shipments

1983-97 = Estat Table 3010001, manufacturing activity value shipments
1998-99 = Estat Table 3010003, manufacturing activity value shipments

Metal Fabricating Manufacturing Industries

Establishments: 1960-75 = HS2 R360, manufacturing activity # establishments
1976-82 = Estat Table 3010002, manufacturing activity # establishments
1983-97 = Estat Table 3010001, manufacturing activity # establishments
1998-99 = Estat Table 3010003, manufacturing activity # establishments

L: 1960-75 = HS2 R368, total activity # employees
1976-82 = Estat Table 3010002, total activity # employees
1983-97 = Estat Table 3010001, total activity # employees
1988-99 = Estat Table 3010003, total activity # employees

WLL: 1960-75 = HS2 R369, total activity salaries and wages
1976-82 = Estat Table 3010002, total activity salaries and wages
1983-97 = Estat Table 3010001, total activity salaries and wages
1998-99 = Estat Table 3010003, total activity salaries and wages

WMM: 1960-75 = HS2 R366-R367, manufacturing activity value shipments-value added
1976-82 = Estat Table 3010002, manufacturing activity value shipments-value added
1983-97 = Estat Table 3010001, manufacturing activity value shipments-value added
1998-99 = Estat Table 3010003, manufacturing activity value shipments-value added

VA: 1960-75 = HS2 R367, manufacturing activity value added
1976-82 = Estat Table 3010002, manufacturing activity value added
1983-97 = Estat Table 3010001, manufacturing activity value added
1998-99 = Estat Table 3010003, manufacturing activity value added

PQ: 1959-75 = HS2 R366, manufacturing activity value shipments
1976-82 = Estat Table 3010002, manufacturing activity value shipments
1983-97 = Estat Table 3010001, manufacturing activity value shipments
1998-99 = Estat Table 3010003, manufacturing activity value shipments

Fuel Extraction Industries

Establishments: 1922-60 = HS1 N192, # establishments
L: 1922-60 = HS1 N193, # employees
WLL: 1922-60 = HS1 N194, salaries and wages
WMM: 1922-60 = HS1 N196, cost process supplies and containers
WFF: 1922-60 = HS1 N195, cost fuel and electricity
VA: 1922-60 = HS1 N198, net value added by processing
PQ: 1922-60 = HS1 N197, gross value production

Petroleum and Natural Gas Industries

Establishments: 1976-1994 = Estat Table 1520002, crude petroleum and natural gas extraction # establishments
1995-1999 = Statscan # 26-213, crude petroleum and natural gas extraction # establishments

L: 1901 = Canada Year Book, # employees
1929, 1931, 1933, 1937, 1939-76 = HS2 Q131, # employees
1977-94 = Estat Table 1520002, crude petroleum and natural gas extraction total activity # employees
1995-99 = Estat Table 2810024 total activity # employees

WLL: 1901 = Canada Year Book, wages and salaries
1929, 1931, 1933, 1937, 1939-76 = HS2 Q132, salaries and wages
1977-94 = Estat Table 1520002, crude petroleum and natural gas extraction total activity salaries and wages

WMM: 1937, 1939-76 = HS2 Q134, cost materials and supplies
1977-94 = Estat Table 1520002, crude petroleum and natural gas extraction value production-mining value added
1995-99 = Statscan # 26-213, value production-mining value added

WFF: 1929, 1931, 1933, 1937, 1939-76 = HS2 Q133, cost fuel and electricity

VA: 1937, 1939-76 = HS2 Q136, value added
1977-94 = Estat Table 1520002, crude petroleum and natural gas extraction mining value added
1995-96 = Estat Table 3790017 mining value added

PQ: 1900-1939 = HS1 N173+N175, value natural gas production+value crude petroleum production
1929, 1931, 1933, 1937, 1939-76 = HS2 Q135, value marketable production
1977-94 = Estat Table 1520002, crude petroleum and natural gas extraction value production
1995-99 = Statscan # 26-213, value production

Coal Mining Industry

Establishments: 1976-1999 = Estat Table 1520002, # establishments

L: 1901 = Canada Year Book, # employees
1921-76 = HS2 Q137, # employees
1977-99 = Estat Table 1520002, total activity # employees

WLL: 1900-20 = Urquhart 1993 Chap 3, salaries and wages
1921-76 = HS2 Q138, salaries and wages
1977-99 = Estat Table 1520002, total activity salaries and wages

WMM: 1900-20 = gross value production-GDP
1921-76 = HS2 Q140, cost materials and supplies
1977-99 = Estat Table 1520002, value production-mining value added

WFF: 1921, 1923-76 = HS2 Q139, cost fuel and electricity

VA: 1900-20 = Urquhart 1993 Chap 3, GDP
1968-76 = HS2 Q142, value added
1977-99 = Estat Table 1520002, mining value added

PQ: 1900-17 = Urquhart 1993 Chap 3, gross value production
1918-76 = HS2 Q141, value production
1977-94 = Estat Table 1520002, value production

Electricity Generation

Power Plants: 1917-53 = HS1 P57, # power plants
L: 1917-45, 1954-60 = HS1 P50, # employees central electrical stations
1961-76 = HS2 Q127, # employees electric power industry
WLL: 1917-60 = HS1 P51, salaries and wages central electric stations
1961-76 = HS2 Q128, salaries and wages electric power industry
Fixed K: 1900, 1905, 1910, 1917-43, 1956-60 = HS1 P46, capital invested in fixed assets
1961-76 = HS2 Q126, capital invested
WFF: 1919-60 = HS1 P52, cost fuel to generate electricity
1961-76 = HS2 Q129, cost fuel
PQ: 1921-36 = HS1 P41, sales in Canada
1937-60 = HS1 P39, total revenue
1961-75 = HS2 Q111+Q112+Q113, revenue from domestic+final US+secondary US sales

Petroleum and Coal Products Manufacturing Industries

Establishments: 1905, 1917-59 = HS1 Q120, # establishments
1960-75 = HS2 R439, manufacturing activity # establishments
1976-82 = Estat Table 3010002, manufacturing activity # establishments
1983-97 = Estat Table 3010001, manufacturing activity # establishments
1998-99 = Estat Table 3010003, manufacturing activity # establishments
L: 1900, 1905, 1910, 1917-59 = HS1 Q121, # employees
1960-75 = HS2 R447, total activity # employees
1976-82 = Estat Table 3010002, total activity # employees
1983-97 = Estat Table 3010001, total activity # employees
1988-99 = Estat Table 3010003, total activity # employees
WLL: 1900-25 = Urquhart 1993 Table 4.6, salaries and wages
1900, 1905, 1910, 1917-59 = HS1 Q122, salaries and wages
1960-75 = HS2 R448, total activity salaries and wages
1976-82 = Estat Table 3010002, total activity salaries and wages
1983-97 = Estat Table 3010001, total activity salaries and wages
1998-99 = Estat Table 3010003, total activity salaries and wages
WMM: 1900-25 = gross value production-GDP
1900, 1910, 1917-58 = HS1 Q123-Q125, gross value production-value added by manufacture
1959-75 = HS2 R445-R446, manufacturing activity value shipments-value added
1976-82 = Estat Table 3010002, manufacturing activity value shipments-value added
1983-97 = Estat Table 3010001, manufacturing activity value shipments-value added
1998-99 = Estat Table 3010003, manufacturing activity value shipments-value added

added

- VA: 1900-25 = Urquhart 1993 Table 4.5, GDP
1900, 1910, 1917-58 = HS1 Q125, value added by manufacture
1959-75 = HS2 R446, manufacturing activity value added
1976-82 = Estat Table 3010002, manufacturing activity value added
1983-97 = Estat Table 3010001, manufacturing activity value added
1998-99 = Estat Table 3010003, manufacturing activity value added
- PQ: 1900-25 = Urquhart 1993 Table 4.1, gross value production
1900, 1905, 1910, 1917-58 = HS1 Q123, gross value production
1959-75 = HS2 R445, manufacturing activity value shipments
1976-82 = Estat Table 3010002, manufacturing activity value shipments
1983-97 = Estat Table 3010001, manufacturing activity value shipments
1998-99 = Estat Table 3010003, manufacturing activity value shipments

Primary Fisheries Operations

- L: 1900-73 = HS2 N38, total employment primary fisheries operations
1973-96 = Labour Force Annual Averages, total employment, fishing and trapping
1989-99 = Employment, Earnings and Hours, total employment, other primary industries
- K: 1900-60 = HS1 M49, value capital, primary fisheries operations
1960-99 = Estat Table 310002, fixed capital (machinery), fish, fur, and hunting
- VA: 1900-26 = Urquhart Table 1.1, GNP at market prices, fishing and trapping
1926-61 = HS2 F58, GDP at factor cost, fishing and trapping
1961-99 = Estat Table 3790023, GDP at current prices, fish, fur and hunting

Fisheries Products – Processing, Canning, and Curing

- Establishments: 1900, 1905, 1910, 1915, 1917-19 = Canada Year Book, # establishments, fish processing
1919-70 = HS2 N69-82, # establishments by province, fish processing
1970-80 = Estat Table 3010002, # establishments, fish products
1980-90 = Estat Table 3010001, # establishments, fish products
1990-99 = Estat Table 3010003, # establishments, fish products
- L: 1900-70 = HS2 N65-68, employees by region and gender, fish processing
1970-80 = Estat Table 3010002, employees, fish products
1980-90 = Estat Table 3010001, employees, fish products
1990-99 = Estat Table 3010003, employees, fish products
- WLL: 1900, 1905, 1915 = Canada Year Book, wages and salaries, fish processing
1917-70 = HS2 N59+N62, wages and salaries by region, fish processing
1970-80 = Estat Table 3010002, wages and salaries, fish products
1980-90 = Estat Table 3010001, wages and salaries, fish products
1990-99 = Estat Table 3010003, wages and salaries, fish products
- WMM: 1900, 1905, 1915 = Canada Year Book, value materials, fish processing
1918-70 = HS2 N60+N63, value materials by region, fish processing

1970-80 = Estat Table 3010002, value materials, fish products
1980-90 = Estat Table 3010001, value materials, fish products
1990-99 = Estat Table 3010003, value materials, fish products
WFF: 1917-70 = HS2 N61+N64, value fuel and electricity by region, fish processing
1970-80 = Estat Table 3010002, value fuel and electricity, fish products
1980-90 = Estat Table 3010001, value fuel and electricity, fish products
1990-99 = Estat Table 3010003, value fuel and electricity, fish products
VA: 1900-70 = gross value of production – value materials – value fuel and electricity
1970-80 = Estat Table 3010002, manufacturing value added, fish products
1980-90 = Estat Table 3010001, manufacturing value added, fish products
1990-99 = Estat Table 3010003, manufacturing value added, fish products
PQ: 1900-47 = HS2 N49, value fish products
1947-61 = DBS Fisheries Statistics, value shipments, fish processing
1961-70 = HS2 N49, value fish products
1970-80 = Estat Table 3010002, value shipments, fish products
1980-90 = Estat Table 3010001, value shipments, fish products
1990-99 = Estat Table 3010003, value shipments, fish products