Overview

The environment has been an issue of concern among Canadians and the subject of debate in the media for years. In 2007, it was the number one issue, and 45% of Canadians rated the quality of the environment as 'fair.' Of issues Canadians say the country is facing, climate change tops the list.

According to the 2007 Canadian Environmental Sustainability Indicators, the pressure on Canada's environment is steady or increasing. From 1990 to 2005, greenhouse gas (GHG) emissions and air quality were ongoing concerns. During the same period, guidelines for protecting aquatic life were not being met, at least occasionally, at many monitoring sites across the country.

While Canadians are changing their activities to protect the environment, reducing the nation's impact on the environment is proving difficult, especially in an era of population and economic growth. From 1990 to 2005,

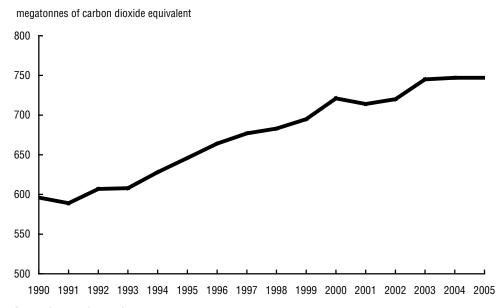
the country's population grew 17%, from 27.7 million people to 32.3 million, while the gross domestic product rose 51.4%, in 2002 constant prices.

Economic activity growth can also lead to industries using more energy and producing more GHGs and air pollutants. Some large energy-consuming industries became more efficient, which offset some of the growth in GHGs. For instance, while the manufacturing industry reduced its energy requirements to produce a unit of goods and services by 33% from 1990 to 2002, energy use still rose 4%.

Greenhouse gases

GHGs occur naturally and help regulate the climate by trapping heat in the atmosphere and reflecting it back to the surface. GHG emissions from human activities amplify the natural greenhouse effect and contribute

Chart 12.1 Greenhouse gas emissions



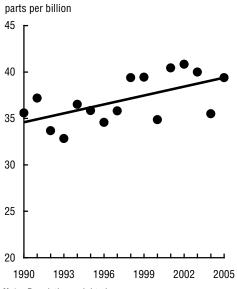
Source: Statistics Canada, Catalogue no. 16-251-XWE.

to climate change. Six GHGs are tracked by Canada's GHG emissions indicator: carbon dioxide (CO_2), methane (CH_4), nitrous oxide (N_2O), sulphur hexafluoride (SF_6), hydrofluorocarbons (HFCs) and perfluorocarbons (PFCs). Canada's GHG emissions increased about 25% from 1990 to 2005. In 1990, 596 megatonnes of CO_2 equivalent were emitted, and in 2005, 747 megatonnes.

While the long-term trend points upwards, emissions stopped growing from 2003 to 2005, primarily as a result of reduced emissions from electricity generation. This reduction was the result of reduced coal and increased hydro and nuclear generation, lower demand for fuels because of warmer winters, and a reduced rate of increase in fossil fuel production.

Energy production and consumption accounted for most (82%) of Canada's total GHG emissions in 2005. GHG emissions from the oil, gas and coal industry increased

Chart 12.2 Ground-level ozone exposure



Note: Population weighted.

Source: Statistics Canada, Catalogue no. 16-251-XWE.

Table 12.a Households affected by swimming restrictions, by province, 2005

| | Were aware of any swimming restrictions or closures at a nearby beach ¹ | Prevented from swimming by restrictions ² |
|------------------------------|--|--|
| | | % |
| Newfoundland and Labrador | F | F |
| Prince Edward Island | F | F |
| Nova Scotia | 19 | 76 |
| New Brunswick | 9E | 72 |
| Quebec | 13 | 53 |
| Ontario | 45 | 70 |
| Manitoba | 44 | 69 |
| Saskatchewan | 6 | F |
| Alberta | 15 | 73 |
| British Columbia | 11 | 64 |

- Includes only those households reporting a household member who had swum or had planned to swim at a nearby beach in 2005.
- 2. Only households reporting awareness of swimming restrictions.

Source: Statistics Canada, Households and the Environment Survey, 2006.

48% from 1990 to 2005, as crude oil and natural gas production and export increased. GHG emissions from road transportation rose 33% in the same period, mainly because of a shift in consumer preference from automobiles to less fuel-efficient vehicles and an increase in heavy truck transport. GHG emissions from thermal–electric power and heat generation increased 37%, as electricity production rose to meet demand and more fossil fuels were used to generate electricity.

Air quality

Monitoring stations across Canada track air quality indicators for ground-level ozone and fine particulate matter, both key components of smog and two of the most pervasive and widespread air pollutants.

Ground-level ozone is formed by chemical reactions principally involving nitrogen oxides (NO_X) and volatile organic compounds

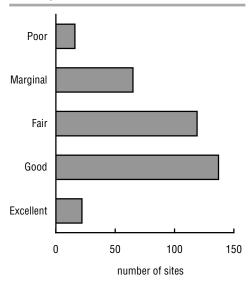
(VOCs) in the presence of sunlight. The burning of fossil fuels in transportation, industry, and electricity generation and the production and use of paints, cosmetics, and solvents increase concentrations of NO_X and VOCs, creating ground-level ozone.

Ozone exposure increased about 12% from 1990 to 2005, an average 0.8% increase per year. Concentrations increased 17% in southern Ontario and 15% in southern Quebec. In other regions, the ozone exposure showed no significant changes.

Fine particulate matter is emitted directly as a pollutant or is formed in the air as a secondary pollutant from sulphur dioxide, NO_X , VOCs and ammonia. Most fine particulate matter emissions are a result of industry, wood burned for heating and transportation.

Canada's exposure indicator for fine particulate matter showed no significant increase or decrease, either nationally or regionally, from 2000 to 2005.

Chart 12.3 Freshwater quality at sites in southern Canada, 2003 to 2005



Water quality

At least 115,000 tonnes of pollutants were directly discharged into Canada's freshwater and coastal surface waters in 2005. Manufacturers, service providers, institutions and households discharge hundreds of different substances into rivers and lakes. Many pollutants make their way into water bodies indirectly, after being released into the air or onto the land.

Runoff from agricultural lands and urban areas, which often have high concentrations of nitrogen or phosphorous, can degrade water quality. Changes in water flows, snow melts and heavy rainfall can also harm water quality by, for example, increasing levels of suspended sediments that are often high in nutrients and metals.

Poor water quality affects aquatic life and human uses of water. For example, high concentrations of nitrogen and phosphorus in the water may result in excessive aquatic plant growth, such as algal blooms, which reduce the amount of dissolved oxygen available for fish and other aquatic animals. Some algal blooms are toxic, killing livestock and harming shellfish.

The quality of Canada's freshwater is measured using the Water Quality Index, an indicator that examines the extent to which water quality guidelines for the protection of aquatic life (plants, invertebrates and fish) are being met at selected lake and river monitoring sites throughout Canada.

Freshwater quality for 359 monitoring sites in southern Canada was rated as 'good' or 'excellent' at 44% of the sites, 'fair' at 33%, and 'marginal' or 'poor' at 23%. Freshwater quality measured at 36 monitoring sites in northern Canada was rated as 'good' or 'excellent' at 56% of the sites, 'fair' at 31%, and 'marginal' or 'poor' at 14%.

Source: Statistics Canada, Catalogue no. 16-251-XIE.

Households' impact on the environment

If asked what they do to reduce their impact on the environment, most Canadians probably think of recycling or composting, conserving energy, curbing residential pesticide use or conserving water.

Diverting waste through recycling makes for less waste entering our landfills, helps conserve natural resources and energy, saves landfill space and reduces emissions of methane, which is a greenhouse gas produced in landfills.

In 2006, 93% of Canadian households had access to at least one recycling program, and 97% of these households used at least one of the programs they had access to. Across Canada, 27% of households composted their kitchen waste, their lawn and garden waste or both, up from 23% in 1994.

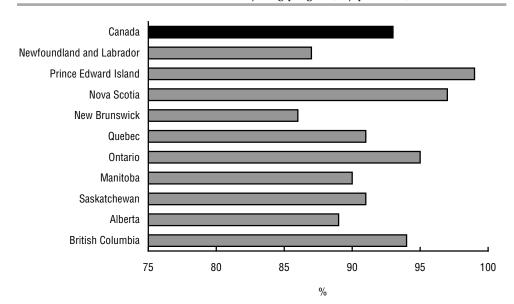
Some types of household wastes can pose environmental problems. When Canadians were asked how they disposed of leftover

paint, disused or expired medication, and computers and other electronics, significant proportions said they were holding onto paint (38%), medication (11%) and computers and communications devices, such as cellphones (35%), because they were unsure how to dispose of them safely.

Conservation is catching on: among households that use thermostats, the proportion with a programmable thermostat increased from 16% in 1994 to 40% in 2006. Among all households with a thermostat, programmable or not, 53% turned down the heat before retiring at night.

The possible negative effects of lawn and garden pesticides have fuelled public debate for several years. In 2005, 29% of Canadian households with a lawn or garden used pesticides, down slightly from 1994. Among the provinces, rates ranged from 14% in Prince Edward Island to 44% in Manitoba.

Chart 12.4 Households with access to at least one recycling program, by province, 2006



Source: Statistics Canada, Catalogue no. 11-526-XIE.

Protecting and managing the environment

Canadian businesses play a key role in environmental protection. By changing product design, technology, operations and behaviour, firms can curb waste and pollution in manufacturing processes.

Businesses spent \$6.8 billion on environmental protection in 2004, about the same as in 2002. Of this, \$2.9 billion was for capital expenditures, including pollution prevention.

The most used methods of pollution prevention were pollution prevention training (69%), prevention of leaks and spills (67%), and recirculation, recovery, reuse or recycling (62%). The remaining \$3.8 billion was for operating expenses, including \$1.5 billion for pollution abatement and control, or 'end-of-pipe' technologies.

To curb the release of substances to air, businesses spent \$409 million in capital for end-of-pipe technologies, and \$826 million on pollution prevention.

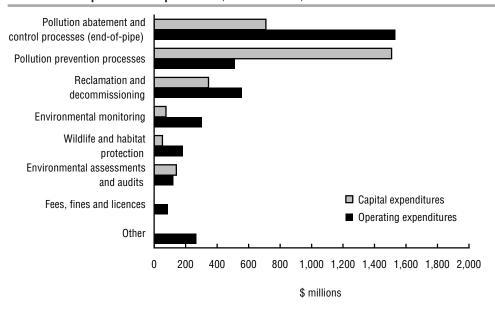
They spent \$576 million from operating funds and \$379 million from capital funds to reduce greenhouse gas emissions.

Energy conservation processes and technologies can reduce emission of pollutants, reduce costs or improve productivity. Over half of businesses (59%) used technologies and processes to reduce energy consumption in 2004. One-third used an energy management or monitoring system, while 29% performed an energy audit sometime during the period from 2002 to 2004.

The petroleum and coal products industry spent the most on environmental protection in 2004, followed by the oil and gas extraction industry. Pulp, paper and paperboard firms were the most likely to use energy conservation technologies.

The federal government funds research and development to care for the environment: \$401 million in 2005/2006.

Chart 12.5
Environmental protection expenditures, all industries, 2004



Source: Statistics Canada, Catalogue no. 16F0006XIE.

Table 12.1 Greenhouse gas emissions, by source, 1990 and 2005

| | Carbon | Carbon dioxide | | nane | Nitrous oxide | |
|------------------------------------|---------|----------------|----------|----------|---------------|--------|
| | 1990 | 2005 | 1990 | 2005 | 1990 | 2005 |
| | | | kilotoı | nnes | | |
| Total ¹ | 459,000 | 583,000 | 3,800.00 | 5,200.00 | 150.00 | 140.00 |
| Energy | 428,000 | 544,000 | 1,700.00 | 2,600.00 | 30.00 | 30.00 |
| Stationary combustion sources | 276,000 | 338,000 | 200.00 | 200.00 | 7.00 | 8.00 |
| Electricity and heat generation | 94,700 | 128,000 | 1.80 | 5.10 | 2.00 | 2.00 |
| Fossil fuel industries | 49,600 | 70,400 | 80.00 | 100.00 | 1.00 | 2.00 |
| Petroleum refining and upgrading | 16,000 | 18,000 | | | 0.30 | 0.40 |
| Fossil fuel production | 34,100 | 52,000 | 80.00 | 100.00 | 0.70 | 1.00 |
| Mining and oil and gas extraction | 6,140 | 15,500 | 0.10 | 0.30 | 0.10 | 0.40 |
| Manufacturing industries | 54,200 | 45,400 | 3.00 | 3.00 | 2.00 | 2.00 |
| Iron and steel | 6,420 | 6,460 | 0.20 | 0.20 | 0.20 | 0.20 |
| Non-ferrous metals | 3,170 | 3,170 | 0.07 | 0.07 | 0.05 | 0.05 |
| Chemical | 7,050 | 5,320 | 0.15 | 0.11 | 0.10 | 0.09 |
| Pulp and paper | 13,400 | 7,040 | 2.00 | 2.00 | 0.80 | 0.80 |
| Cement | 3,680 | 4,570 | 0.07 | 0.10 | 0.04 | 0.04 |
| Other manufacturing | 20,500 | 18,800 | 0.40 | 0.40 | 0.40 | 0.40 |
| Construction | 1,860 | 1,300 | 0.03 | 0.02 | 0.05 | 0.03 |
| Commercial and institutional | 25,700 | 36,600 | 0.50 | 0.60 | 0.50 | 0.70 |
| Residential | 41,300 | 39,500 | 100.00 | 90.00 | 2.00 | 2.00 |
| Agriculture and forestry | 2,400 | 1,930 | 0.04 | 0.03 | 0.05 | 0.06 |
| Transport ² | 142,000 | 190,000 | 30.00 | 30.00 | 20.00 | 20.00 |
| Civil aviation (domestic aviation) | 6,220 | 8,420 | 0.50 | 0.50 | 0.60 | 0.80 |
| Road transportation | 97,700 | 131,000 | 15.00 | 9.40 | 10.00 | 11.00 |
| Light-duty gasoline vehicles | 45,100 | 39,800 | 7.80 | 3.20 | 6.20 | 4.10 |
| Light-duty gasoline trucks | 20,200 | 42,800 | 3.10 | 3.20 | 3.20 | 5.30 |
| Heavy-duty gasoline vehicles | 7,950 | 6,370 | 1.30 | 0.38 | 0.22 | 0.43 |
| Motorcycles | 147 | 255 | 0.14 | 0.16 | 0.00 | 0.01 |
| Light-duty diesel automobiles | 355 | 432 | 0.01 | 0.01 | 0.03 | 0.03 |
| Light-duty diesel trucks | 708 | 2,150 | 0.02 | 0.05 | 0.05 | 0.20 |
| Heavy-duty diesel vehicles | 21,000 | 38,600 | 1.00 | 2.00 | 0.60 | 1.00 |
| Propane and natural gas vehicles | 2,170 | 706 | 1.00 | 0.70 | 0.04 | 0.01 |
| Railways | 6,310 | 5,620 | 0.30 | 0.30 | 3.00 | 2.00 |
| Navigation (domestic marine) | 4,730 | 6,070 | 0.30 | 0.40 | 1.00 | 1.00 |
| Other transportation | 27,000 | 38,000 | 20.00 | 20.00 | 6.00 | 9.00 |
| Off-road gasoline | 7,000 | 7,000 | 8.00 | 8.00 | 0.10 | 0.20 |
| Off-road diesel | 14,000 | 21,000 | 0.70 | 1.00 | 6.00 | 9.00 |
| Pipelines | 6,700 | 9,850 | 6.70 | 9.80 | 0.20 | 0.30 |
| Fugitive sources | 11,000 | 16,000 | 1,500.00 | 2,300.00 | 0.10 | 0.10 |
| Coal mining | | | 90.00 | 30.00 | | |
| Oil and natural gas | 10,600 | 16,500 | 1,440.00 | 2,310.00 | 0.10 | 0.10 |
| Oil | 95 | 170 | 193.00 | 260.00 | 0.10 | 0.10 |
| Natural gas | 23 | 61 | 613.00 | 989.00 | | |
| Venting | 6,090 | 10,800 | 627.00 | 1,050.00 | | 0.01 |
| Flaring | 4,400 | 5,400 | 2.60 | 3.70 | 0.00 | 0.01 |

See notes and source at end of table.

Table 12.1 Greenhouse gas emissions, by source, 1990 and 2005 (continued)

| | Carbon dioxide | | Methane | | Nitrous oxide | |
|---|----------------|---------|----------|----------|---------------|-------|
| | 1990 | 2005 | 1990 | 2005 | 1990 | 2005 |
| | | | kilotor | nnes | | |
| Industrial processes | 30,000 | 39,000 | | | 37.80 | 12.60 |
| Mineral products | 8,300 | 9,500 | | | | |
| Cement production | 5,400 | 7,200 | | | | |
| Lime production | 1,700 | 1,700 | | | | |
| Mineral product use ³ | 1,090 | 599 | | | | |
| Chemical industry | 3,900 | 5,000 | | | 37.80 | 12.60 |
| Ammonia production | 3,900 | 5,000 | | | | |
| Nitric acid production | | | | | 3.27 | 4.08 |
| Adipic acid production | | | | | 35.00 | 8.50 |
| Metal production | 9,770 | 11,900 | | | | |
| Iron and steel production | 7,060 | 7,010 | | | | |
| Aluminum production | 2,700 | 4,800 | | | | |
| Sulfur hexafloride used in magnesium smelters | | | | | | |
| and casters | | | | | | |
| Consumption of halocarbons and sulfur hexafloride | | | | | | |
| Other and undifferentiated production | 8,300 | 13,000 | | | | |
| Solvent and other product use | | | | | 0.56 | 0.57 |
| Agriculture | | | 1,000.00 | 1,300.00 | 80.00 | 93.00 |
| Enteric fermentation | | | 880.00 | 1,200.00 | | |
| Manure management | | | 120.00 | 150.00 | 13.00 | 17.00 |
| Agricultural soils | | | | | 67.00 | 76.00 |
| Direct sources | | | | | 39.00 | 41.00 |
| Pasture, range and paddock manure | | | | | 10.00 | 14.00 |
| Indirect sources | | | | | 20.00 | 20.00 |
| Waste | 270 | 190 | 1,100.00 | 1,300.00 | 2.00 | 2.00 |
| Solid waste disposal on land | | | 1,000.00 | 1,300.00 | | |
| Wastewater handling | | | 11.00 | 12.00 | 2.00 | 2.00 |
| Waste incineration | 270 | 190 | 0.40 | 0.06 | 0.40 | 0.20 |
| Land use, land use change and forestry | -130,000 | -26,000 | 150.00 | 260.00 | 6.40 | 11.00 |
| Forest land | -160,000 | -35,000 | 130.00 | 240.00 | 5.50 | 10.00 |
| Cropland | 14,000 | 180 | 20.00 | 9.00 | 0.80 | 0.50 |
| Grassland | | | | | | |
| Wetlands | 5,000 | 1,000 | 0.40 | 2.00 | 0.01 | 0.07 |
| Settlements | 9,000 | 8,000 | 5.00 | 5.00 | 0.20 | 0.20 |

Note: Figures may not add to totals because of rounding.

Source: Environment Canada.

^{1.} National totals exclude all greenhouse gas emissions from the 'Land use, land use change and forestry' sector.

^{2.} Emissions from ethanol fuel are reported within the gasoline vehicle subcategories under 'Transport.'

The category 'Mineral product use' includes carbon dioxide emissions from the use of limestone and dolomite, soda ash and magnesite.

Table 12.2 Substances released to land, 2005

| | Releases1 | Share of total |
|--|-----------|----------------|
| | tonnes | |
| Hydrogen sulphide | 268,623.7 | 83.8 |
| Zinc and its compounds | 10,077.8 | 3.1 |
| Asbestos (friable form) | 6,354.4 | 2.0 |
| Ammonia ² | 6,805.6 | 2.1 |
| Methanol | 5,901.4 | 1.8 |
| Manganese and its compounds | 5,366.7 | 1.7 |
| Phosphorous (total) | 4,762.9 | 1.5 |
| Ethylene glycol | 2,633.8 | 0.8 |
| Lead and its compounds | 3,126.4 | 1.0 |
| Vanadium and its compounds (except when in an alloy) | 1,288.4 | 0.4 |

Note: Top 10 substances only.

Source: Statistics Canada, Catalogue no. 16-201-XIE.

Table 12.3 Waste disposal and diversion, by province, 2002, 2004 and 2006

| | Total waste disposed | | | Tota | l materials dive | rted | |
|---------------------------|----------------------|------------|------------|-----------|------------------|-----------|--|
| | 2002 | 2004 | 2006 | 2002 | 2004 | 2006 | |
| | tonnes | | | | | | |
| Canada | 24,081,371 | 25,226,766 | 27,249,178 | 6,641,546 | 7,112,735 | 7,749,030 | |
| Newfoundland and Labrador | 376,594 | 400,048 | 407,728 | 30,386 | 35,308 | 30,385 | |
| Nova Scotia | 389,194 | 399,967 | 401,670 | 192,006 | 239,845 | 275,983 | |
| New Brunswick | 413,606 | 442,173 | 450,238 | 130,728 | 139,262 | 252,174 | |
| Quebec | 5,846,459 | 6,454,000 | 6,808,440 | 1,743,376 | 2,130,100 | 2,456,300 | |
| Ontario | 9,645,633 | 9,809,264 | 10,437,780 | 2,265,968 | 2,414,552 | 2,396,856 | |
| Manitoba | 896,556 | 928,117 | 1,024,272 | 215,815 | 157,490 | 152,799 | |
| Saskatchewan | 795,124 | 794,933 | 833,753 | 116,296 | 114,182 | 106,868 | |
| Alberta | 2,890,294 | 3,077,311 | 3,819,872 | 690,517 | 620,080 | 652,637 | |
| British Columbia | 2,687,882 | 2,767,657 | 2,917,080 | 1,218,475 | 1,209,216 | 1,366,191 | |

Note: Data for Prince Edward Island and the territories supressed to meet the confidentiality requirements of the *Statistics Act.*

Source: Statistics Canada, Catalogue no. 16-253-XIE.

^{1.} Data include disposals.

^{2.} Refers to the total of both ammonia (NH₃) and ammonium ion (NH₄+) in solution.

Table 12.4 Capital expenditures on pollution prevention, by environmental milieu and by industry, 2004

| | All environ- mental milieu | Air | Surface water | On-site milieu contained solid and liquid waste | Noise, radiation and vibration | Other |
|--|-------------------------------------|------------------------------|----------------------------|--|---|----------------------------|
| | | | \$ m | illions | | |
| All industries Logging Oil and gas extraction | 1,507.9 0.1 207.3 | 826.0 0.0 131.1 | 306.9 0s 18.9 | 276.9 0s 42.8 | 45.9 0.0 3.6 | 52.2 0.1 11.0 |
| Mining Electric power generation, transmission and | 51.8 | 6.2 | 24.3 | 21.2 | 0.0 | 0.1 |
| distribution Natural gas distribution Food | 71.8 8.0 36.0 | 36.7 2.1 11.6 | 19.4 0.2 12.3 | 5.7 6.9 | 0.0 0.1 | 0.0 5.2 |
| Beverage and tobacco products Wood products Pulp, paper and paperboard mills | 4.5 46.4 53.3 | 2.8 26.7 27.7 | 0.9 15.4 14.3 | 0.1 x 4.2 | 0.0 x 1.3 | 0.7 x 5.7 |
| Petroleum and coal products Chemicals | 779.5 38.3 | 446.3 14.3 | 170.1 7.3 | 123.5 10.2 | x 0.4 | 6.0 |
| Non-metallic mineral products Primary metals Fabricated metal products | 54.6 46.7 20.3 | 31.8 17.5 19.6 | 3.7 3.4 0.1 | 7.0 23.4 0.1 | 0.1 0.1 0.0 | 12.1 2.3 0.5 |
| Transportation equipment Pipeline transportation | 52.0 37.3 | 46.6 5.1 | 1.1 15.3 | 1.8 13.4 | 0.2 1.2 | 2.3 |

Source: Statistics Canada, Catalogue no. 16-201-XIE.

Table 12.5 Capital expenditures on pollution abatement and control, by environmental milieu and by industry, 2004

| All environ- mental milieu | Air | Surface water | On-site contained solid and liquid waste | Noise, radiation and vibration |
|---|--|--|---|---|
| | | \$ millions | | |
| 710.0 0.5 65.5 85.9 | 409.4 0.1 31.9 x | 183.0 0.0 13.9 53.1 | 96.4 0.4 17.0 2.9 | 21.2 0.0 2.7 x |
| 80.1 2.2 34.7 6.0 30.7 99.7 93.1 32.5 25.7 103.2 12.3 33.1 | x 0.4 12.1 0.5 24.7 58.9 41.1 16.8 24.3 82.1 10.6 x | 20.8 0.0 11.4 4.8 4.1 29.5 22.5 10.2 0.4 9.9 1.2 0.5 | 9.7 1.8 11.0 0.2 1.7 10.6 22.5 4.6 0.4 10.5 0.3 0s | x 0.0 0.2 0.6 0.1 0.7 7.1 0.9 0.6 0.8 0.1 x |
| | ### Revironmental milieu 710.0 | environ- mental milieu 710.0 409.4 0.5 0.1 65.5 31.9 85.9 x 80.1 x 2.2 0.4 34.7 12.1 6.0 0.5 30.7 24.7 99.7 58.9 93.1 41.1 32.5 16.8 25.7 24.3 103.2 82.1 12.3 10.6 33.1 x | environmental milieu water 710.0 409.4 183.0 0.5 0.1 0.0 65.5 31.9 13.9 85.9 x 53.1 80.1 x 20.8 2.2 0.4 0.0 34.7 12.1 11.4 6.0 0.5 4.8 30.7 24.7 4.1 99.7 58.9 29.5 93.1 41.1 22.5 32.5 16.8 10.2 25.7 24.3 0.4 103.2 82.1 9.9 12.3 10.6 1.2 33.1 x 0.5 | environmental milieu water solid and liquid waste 710.0 409.4 183.0 96.4 0.5 0.1 0.0 0.4 65.5 31.9 13.9 17.0 85.9 x 53.1 2.9 80.1 x 20.8 9.7 2.2 0.4 0.0 1.8 34.7 12.1 11.4 11.0 6.0 0.5 4.8 0.2 30.7 24.7 4.1 1.7 99.7 58.9 29.5 10.6 93.1 41.1 22.5 22.5 32.5 16.8 10.2 4.6 25.7 24.3 0.4 0.4 103.2 82.1 9.9 10.5 12.3 10.6 1.2 0.3 |

Source: Statistics Canada, Catalogue no. 16-201-XIE.

Table 12.6 Production of selected mineral commodities, 2005 and 2006

| | 2005 | 2006 ^p |
|-------------------------------|------------|-------------------|
| | car | ats |
| Diamonds | 12,314,031 | 13,233,813 |
| | kilog | rams |
| Gold | 120,541 | 103,807 |
| Platinum group | 23,904 | 24,082 |
| | ton | nes |
| Zinc | 666,664 | 633,500 |
| Copper | 595,383 | 608,286 |
| Nickel | 199,932 | 234,111 |
| Lead | 79,254 | 82,393 |
| Uranium | 11,627 | 9,862 |
| Molybdenum | 7,935 | 7,842 |
| Cobalt | 5,767 | 6,976 |
| Silver | 1,124 | 982 |
| Cadmium | 723 | 549 |
| Bismuth | 170 | 222 |
| Antimony | 79 | 90 |
| Gemstones | 92 | 109 |
| Tantalum | 63 | 58 |
| | kiloto | onnes |
| Sand and gravel | 246,629 | 236,477 |
| Stone | 165,966 | 164,615 |
| Iron ore | 32,513 | 35,010 |
| Salt | 13,496 | 13,505 |
| Potash | 10,594 | 8,295 |
| Gypsum | 9,241 | 9,138 |
| Quartz | 1,914 | 1,977 |
| Peat | 1,363 | 1,237 |
| Nepheline syenite | 743 | 719 |
| Soapstone, talc, pyrophyllite | 90 | 82 |
| Barite | 23 | 21 |

Note: Canadian mines only.

Source: Statistics Canada, Catalogue no. 26-202-XIB.