

CANADA'S CONSERVED AREAS

CANADIAN ENVIRONMENTAL SUSTAINABILITY INDICATORS



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CANADIAN ENVIRONMENTAL SUSTAINABILITY INDICATORS CANADA'S CONSERVED AREAS

July 2020

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Canada's conserved areas

Well-managed conserved areas help preserve species and their habitats for present and future generations by reducing direct human development stresses. Conserved areas play a vital role in conserving Canada's nature. They also provide opportunities for people to connect with nature. The indicators track the amount and proportion of area conserved in Canada.

National conserved areas

Key results

- At the end of 2019, Canada had
 - o 12.1% of its terrestrial area (land and freshwater) conserved, including 11.4% in protected areas
 - o 13.8% of its marine territory conserved, including 8.9% in protected areas

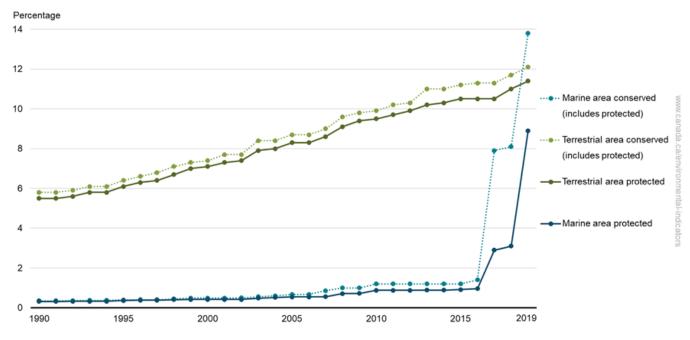


Figure 1. Proportion of area conserved, Canada, 1990 to 2019

Data for Figure 1

Note: Terrestrial area includes land and freshwater. Area conserved includes area protected as well as areas conserved with other measures. For more information on the definition of protected areas and areas conserved with other measures, please refer to the <u>Data sources and methods</u>. Trends are based on date of conservation, rather than date of reporting. Canada's terrestrial territory is 9 984 670 square kilometres (km²) and its marine territory is approximately 5 750 000 km². Overlaps among protected areas and among areas conserved with other measures were corrected for. Data are current as of December 31, 2019. **Source:** Environment and Climate Change Canada (2019) <u>Canadian Protected and Conserved Areas Database</u>.

Conserved areas include protected areas, as well as areas conserved with other measures¹ (that is, areas that do not meet the formal definition of protected area but are managed in a way that conserves biodiversity over the long-term). Conserved areas are lands and waters where use is limited. In some cases, certain commercial activities and harvesting of biological resources may be allowed so long as they do not go against conservation objectives of the area.

¹ In the indicators, the term "areas conserved with other measures" is equivalent to "other effective area-based conservation measures."

Terrestrial area conserved has increased by 65% in the last 20 years and by 8% in the last 5 years. Marine area conserved has increased by more than 3 800% in the last 20 years and by more than 1 000% in the last 5 years. In 2019, Canada surpassed its 2020 marine conservation target of 10%, by conserving 13.8% of its marine territory.²

The distribution and size of conserved areas is variable. Larger terrestrial conserved areas tend to be located in northern Canada, where there is less intensive use of land for agriculture, settlements, and road networks. Larger marine conserved areas tend to be located in offshore areas or in northern Canada, where human uses are often less intensive. In landscapes and seascapes with competing uses, conserved areas tend to be smaller but more numerous.

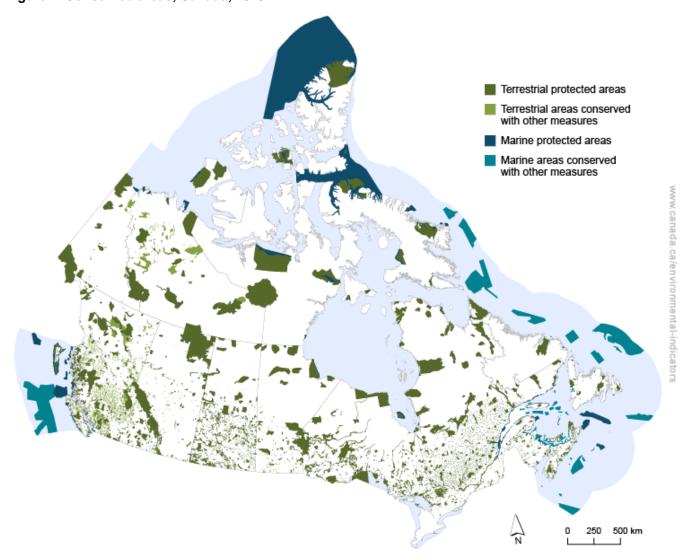


Figure 2. Conserved areas, Canada, 2019

Navigate data using the interactive map

² In 2015, Canada established its <u>2020 Biodiversity Goals and Targets for Canada</u>. Target 1 states: "By 2020, at least 17 percent of terrestrial areas and inland water, and 10 percent of coastal and marine areas, are conserved through networks of protected areas and other effective area-based conservation measures." At the time, 10.5% of Canada's terrestrial area and around 1% of its marine area were recognized as protected.

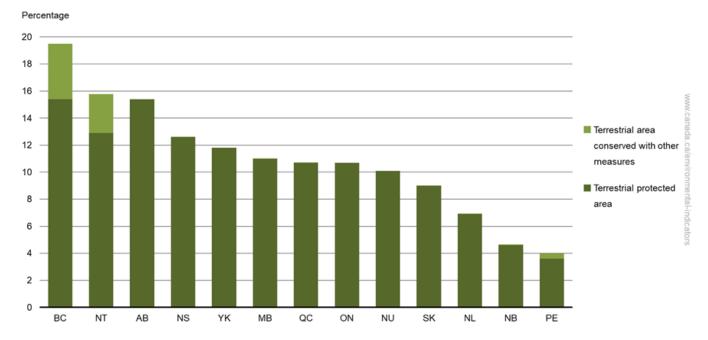
Note: Terrestrial area includes land and freshwater. Data are current as of December 31, 2019. **Source:** Environment and Climate Change Canada (2019) Canadian Protected and Conserved Areas Database.

Terrestrial conserved areas, within each province and territory

Key results

- The proportion of terrestrial area (land and freshwater) conserved varies by province and territory. It ranges from 4.0% in Prince Edward Island to 19.5% in British Columbia
- Additions in 2019 include:
 - Thaidene Nëné National Park Reserve, Thaidene Nëné Wildlife Conservation Area and Thaidene Nëné Territorial Protected Area, which added 26 000 square kilometres (km²) of protected area in the Northwest Territories
 - Kitaskino Nuwenëné Wildland Provincial Park, which added 1 600 km² of protected area in Alberta
 - o Tanzin Lake Ecological Reserve, which added 1 110 km² of protected area in Saskatchewan
 - 38 000 km² of area conserved with other measures was recognized in British Columbia
 - Canadian Forces Base Shilo, which added 231 km² of area conserved with other measures in Manitoba

Figure 3. Proportion of terrestrial area conserved, by province and territory, Canada, 2019



Data for Figure 3

Note: Terrestrial area includes land and freshwater. Data are current as of December 31, 2019. **Source:** Environment and Climate Change Canada (2019) <u>Canadian Protected and Conserved Areas Database</u>.

At the end of 2019, 12.1% of Canada's terrestrial area was conserved. British Columbia had 19.5% of its terrestrial area conserved. The Northwest Territories had 15.8% of its territory conserved, while Alberta had 15.4% conserved. Newfoundland and Labrador, New Brunswick and Prince Edward Island, each had less than 7% of their terrestrial territory conserved. The remaining provinces and territories had between 9% and 13% of their terrestrial territory conserved.

Each province has set aside areas for conservation, and progress towards conservation targets varies by jurisdiction. An increasing number of Indigenous protected areas and areas conserved with other measures are being established. Recent examples include:

- Central Purcell Mountains Indigenous Protected and Conserved Area in British Columbia
- <u>Tłjcho Lands Indigenous Conserved Area</u> and <u>Edéhzhíe Indigenous Protected Area</u> in the Northwest Territories
- Kitaskino Nuwenëné Wildland Provincial Park in Alberta

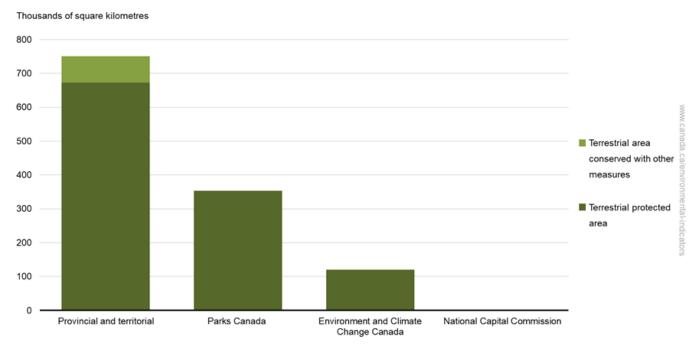
These areas are managed cooperatively with jurisdictions and Indigenous people, or by Indigenous people.

Terrestrial conserved areas, by reporting jurisdiction

Key results

- Over 61% of all terrestrial area conserved are reported by provincial and territorial jurisdictions
- Parks Canada and Environment and Climate Change Canada are responsible for 29% and 10% of Canada's terrestrial conserved areas, respectively

Figure 4. Terrestrial area conserved, by reporting jurisdiction, Canada, 2019



Data for Figure 4

Note: Terrestrial area includes land and freshwater. Data are current as of December 31, 2019. **Source:** Environment and Climate Change Canada (2019) <u>Canadian Protected and Conserved Areas Database</u>.

Marine conserved areas, by reporting jurisdiction

Key results

- In 2019,
 - Canada surpassed its target to conserve 10% of its marine territory
 - the Tuvaijuittuq Marine Protected Area added 319 411 square kilometres (km²) of protected area
- At the end of 2019, marine refuges covered about 283 000 km² of Canada's marine territory
- Fisheries and Oceans Canada and Parks Canada are responsible for 80% and 15% of Canada's marine conserved areas, respectively

Thousands of square kilometres 700 600 500 Marine area conserved with other measures 400 (for example, marine refuges) 300 Marine protected area 200 100 Provincial Parks Canada Environment and Climate Fisheries and Oceans Canada Change Canada

Figure 5. Marine area conserved, by reporting jurisdiction, Canada, 2019

Data for Figure 5

Note: Data are current as of December 31, 2019.

Source: Environment and Climate Change Canada (2019) Canadian Protected and Conserved Areas Database.

<u>Marine refuges</u> are long-term fisheries area closures that have been assessed as meeting Canada's criteria for marine areas conserved with other measures.

Fisheries and Oceans Canada, Parks Canada and Environment and Climate Change Canada each have specific but complementary mandates for establishing marine protected areas:

- Oceans Act marine protected areas (Fisheries and Oceans Canada) are established to conserve marine species and their habitats, including species that are fished, endangered or threatened marine species, as well as unique habitats and areas of high biological productivity or biodiversity
- <u>National marine conservation areas</u> (Parks Canada) are established to conserve representative examples
 of Canada's natural and cultural marine heritage and to provide opportunities for public education and
 enjoyment
- <u>National wildlife areas</u> and <u>migratory bird sanctuaries</u> (Environment and Climate Change Canada) are established to conserve habitat for a variety of wildlife including migratory birds and endangered species

Areas established by these departments, along with provincially established areas, contribute to the <u>conservation</u> <u>network</u>. The primary goal of this network is to provide long-term conservation of marine biodiversity, ecosystem function and special natural features.

The different jurisdictions conserve areas for different purposes,³ and control the amount of human activity (such as transportation, fishing or recreation) that is allowed. Marine conservation efforts include a wide range of management and stewardship activities. Examples include support for the recovery of species at risk, prevention and mitigation of the impact of aquatic invasive species, and strengthening of Canada's response to ship-source marine pollution.

³ <u>The Role of the Canadian Government in the Oceans Sector</u> and <u>The Role of the Provincial and Territorial Governments in the Oceans Sector</u>.

Conserved areas, by ecological area

Canada's territory can be divided into 31 terrestrial and marine ecozones. Terrestrial ecozones are further divided into 215 terrestrial ecoregions. A representative conserved areas network should conserve biodiversity across all of Canada's ecological areas.

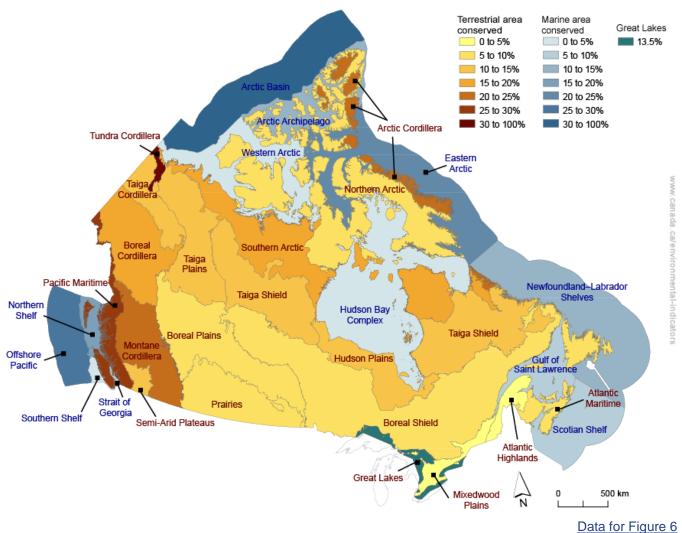
Conserved areas, by ecozone

Ecozones represent areas of the earth's surface where the physical and living parts function as a larger system.

Key results

- Four (4) terrestrial ecozones, the Tundra Cordillera, the Pacific Maritime, the Montane Cordillera and the Arctic Cordillera, have more than 20% of their area conserved
- Three (3) marine ecozones, the Arctic Basin, the Offshore Pacific and the Eastern Arctic, have more than 20% of their area conserved
- 13.5% of the Canadian area of the Great Lakes is conserved

Figure 6. Proportion of area conserved, by ecozone, Canada, 2019



Terrestrial ecozones with high levels of urbanization and development or widespread agriculture tend to have small proportions of conserved area. For example, the Mixedwood Plains (in southern Ontario and along the St. Lawrence River) has only 2.0% of its area conserved and the Prairies has 6.1%. On the other hand, terrestrial ecozones with a high proportion of conserved area tend to be remote or have high recreation value. For example, ecozones in the western mountain ranges have 19% or more of their area conserved.

Recent efforts have rapidly increased the amount of area conserved in some marine ecozones. <u>Tuvaijuittuq</u> <u>Marine Protected Area</u> in the Arctic Basin is the largest marine protected area in Canada, increasing the proportion of the ecozone protected from less than 1% to 37.8%. Marine refuges in the Offshore Pacific, Eastern Arctic, Newfoundland-Labrador Shelves, Scotian Shelf and Gulf of St. Lawrence have conserved more than 5% of each of these areas.

Each ecozone is unique, and conservation involves the inclusion of areas that are representative of different parts of the ecozone and sites of special value. Challenges to establishing conserved areas include competition from other uses, such as agriculture, industry or urban development, and it may be limited by the extent of ecologically intact areas within the ecozone.

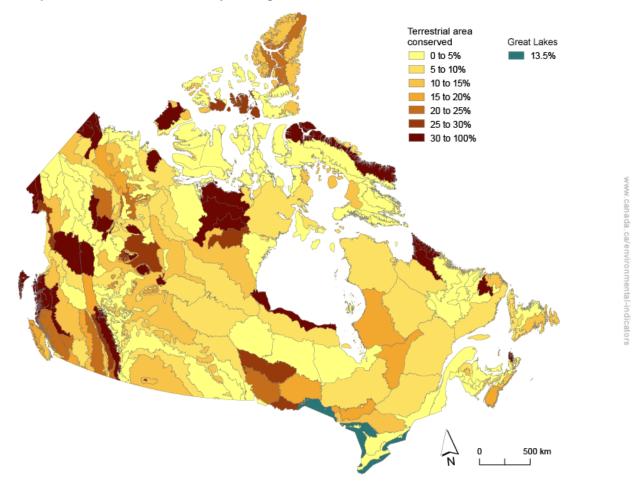
Conserved areas, by ecoregion

Ecoregions are subdivisions of ecozones characterized by distinctive regional attributes. These include climate, physiology, vegetation, soil, water and fauna.

Key results

- Of the 215 ecoregions in Canada,
 - o 75% (161 ecoregions) have less than 17% of their area conserved
 - o 10% (21 ecoregions) have between 17% and 30% of their area conserved
 - 15% (33 ecoregions) have more than 30% of their area conserved

Figure 7. Proportion of area conserved, by ecoregion, Canada, 2019



Data for Figure 7

Note: Area conserved includes area protected as well as area conserved with other measures. Data are current as of December 31, 2019. **Source:** Environment and Climate Change Canada (2019) <u>Canadian Protected and Conserved Areas Database</u>.

The area conserved varies greatly among ecoregions. Ecoregions that have the highest proportion of area conserved are associated with large protected areas. For example, the Peace-Athabasca Delta ecoregion has 94.4% of its area conserved (Wood Buffalo National Park) and the Mount Logan ecoregion has 100% of its area conserved (Kluane National Park and Reserve). On the other hand, ecoregions in urban or agricultural landscapes have the lowest proportion of area conserved. The James Bay Lowlands, Lake Simcoe and Lake Erie - Lake Ontario ecoregions all have less than 3% of their area conserved.

About the indicators

What the indicators measure

These indicators report the amount and proportion of Canada's terrestrial (land and freshwater) and marine area that is conserved. Canada recognizes the international definitions of protected areas and other effective areabased conservation measures (One with Nature 2018 [PDF; 2.12 MB]). Land and/or water access and use within protected areas are controlled primarily for the purpose of conserving nature (for example, a park, a conservation area or a wildlife reserve). Other effective area-based conservation measures are also managed over the long term in ways that result in the effective conservation of biodiversity. However, they might have been established for other purposes.

Why these indicators are important

Well-managed conserved areas are one way to protect wild species and their habitats for present and future generations. Habitat conservation is a measure of human response to the loss of biodiversity and natural habitat. As the area conserved in Canada increases, more lands and waters are withdrawn from direct human development stresses, thereby contributing to biodiversity conservation and improving the health of ecosystems. In turn, healthy ecosystems provide benefits such as clean water, mitigation of climate change, pollination and improved human health.

Many countries use protected areas as the core of their programs to preserve biodiversity, ecosystems and ecosystem services. The parties to the <u>Convention on Biological Diversity</u>, among them Canada, have set an aspirational target to conserve at least 17% of terrestrial areas and inland waters, and 10% of marine areas, by 2020. This is the 11th of 20 targets collectively known as the <u>Aichi Biodiversity Targets</u>, established in October 2010.

As part of its work towards achieving Target 1 of the <u>2020 Biodiversity Goals and Targets for Canada</u>, Canada has conserved new areas and recognized previously existing areas. The <u>Pathway to Canada Target 1</u> initiative focusses on terrestrial and freshwater areas, while Fisheries and Oceans Canada leads on meeting <u>marine conservation targets</u>. In 2015, when the Biodiversity Goals and Targets were established for Canada, 10.5% of Canada's terrestrial area and around 1% of its marine area were recognized as protected.



Healthy coasts and oceans

These indicators track progress on the 2019 to 2022 Federal Sustainable Development Strategy, supporting the target: By 2020, 10% of coastal and marine areas are conserved through networks of marine protected areas and other effective area-based conservation measures. The most recent data available shows that, as of the end of 2019, 13.8% of Canada's coastal and marine areas were conserved through a network of marine protected areas and other effective area-based conservation measures, including 8.9% in protected areas.



Sustainably managed lands and forests

These indicators track progress on the <u>2019 to 2022 Federal Sustainable Development Strategy</u>, supporting the target: By 2020, at least 17% of terrestrial areas and inland water are conserved through networks of protected areas and other effective area-based conservation measures. The most recent data available shows that, as of the end of 2019, 12.1% of Canada's terrestrial areas and inland water were conserved through a network of protected areas and other effective area-based conservation measures, including 11.4% in protected areas.

In addition, the indicators contribute to the <u>Sustainable Development Goals of the 2030 Agenda for Sustainable Development</u>. They are linked to Goal 14, Life Below Water and Target 14.5, "By 2020, conserve at least 10% of coastal and marine areas, consistent with national and international law and based on the best available scientific information." They are also linked to Goal 15, Life on Land and Target 15.1, "By 2020, ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems and their services, in particular forests, wetlands, mountains and drylands, in line with obligations under international agreements."

The indicators also contribute towards reporting on Target 1 of the 2020 Biodiversity Goals and Targets for Canada: "By 2020, at least 17 percent of terrestrial areas and inland water, and 10 percent of coastal and marine areas, are conserved through networks of protected areas and other effective area-based conservation measures."

Related indicators

The <u>Ecological integrity of national parks</u> indicator reports on the condition of ecosystems within national parks, an important element of Canada's conserved area network.

The Global trends in protected areas indicator compares Canada's protected area to a peer group of countries.

Data sources and methods

Data sources

Data are taken from the <u>Canadian Protected and Conserved Areas Database</u> (the database). Data from federal, provincial and territorial jurisdictions, the authoritative data sources, are compiled by Environment and Climate Change Canada.

More information

Protected areas and areas conserved with other measures

Protected areas together with areas conserved with other measures are referred to as conserved areas. Protected areas are areas recognized as meeting the <u>international definition</u> for a protected area. Areas conserved with other measures must meet all elements of the Pan-Canadian definition and international definition to be recognized as conserved. ^{4,5} The Convention on Biodiversity defines an "other effective area-based conservation measure" as "a geographically defined area other than a Protected Area, which is governed and managed in ways that achieve positive and sustained long-term outcomes for the in situ conservation of biodiversity."

Data description

The database contains data consolidated from all jurisdictions with responsibilities for conserved areas in Canada. Data are current as of December 31, 2019.

At least once each year, federal, provincial and territorial departments and agencies submit geospatial and ancillary data for conserved areas under their administrative control. Data on areas controlled by Indigenous or non-governmental organizations, such as the Nature Conservancy of Canada and Ducks Unlimited Canada, are included in cases where a jurisdiction has recognized those areas.

The data include the name of the area, its geospatial location, boundaries, official area, biome (terrestrial/marine), International Union for Conservation of Nature management category, managing jurisdiction, and protection date, among other information.

In cases where the same attribute information does not apply to the entire conserved area, the area is divided into zones for reporting. For example, a single protected area that crosses a provincial border is divided into zones corresponding to the different provinces. Similarly, a protected area that is later expanded is treated as several zones, each with its own protection date. Terrestrial and marine sections are treated as separate zones; freshwater is included in the terrestrial zone. Ancillary data are maintained independently for each zone. Conserved areas that are undivided are treated as a single zone.

Work is ongoing to capture and incorporate data on additional privately held protected areas and on areas being conserved through means other than formal protection.

⁴ Pathway to Canada Target 1 Initiative (2018) One with Nature. A Renewed Approach to Land and Freshwater Conservation in Canada. Appendix 2 Pan-Canadian Definition for Recognizing and Reporting on Other Effective Area-Based Conservation Measures (PDF; 2.12 MB).

⁵ Convention on Biological Diversity (2018) Conference of the Parties to the Convention on Biological Diversity Decision 14/8.

Jurisdictional area

- For Canada and for all provinces and territories except Quebec: Natural Resources Canada (2005) Canada Centre for Remote Sensing, Land and freshwater area, by province and territory
- For Quebec: Ministère du Développement durable, de l'Environnement et de la Lutte contre les changements climatiques
- Canada's marine territory: Fisheries and Oceans Canada (2013) departmental analysis based on National Resources Canada (2009) Atlas of Canada 1:1,000,000 National Frameworks Data, Administrative Boundaries

National boundaries

Natural Resources Canada (2019) CanVec Series 1:1,000,000 Geopolitical Region, Administrative Boundaries.

Ecozones and ecoregions

Environment and Climate Change Canada (2019) Canadian Terrestrial Ecological Framework. Marine ecozones are based on Fisheries and Oceans Canada (2016) Federal Marine Bioregions (Canadian Science Advisory Secretariat, Science Advisory Report 2009/056).

Methods

The area conserved is estimated by means of a geographical analysis based on reported boundaries, accounting for overlaps. Separate estimates are made for protected areas and for areas conserved with other measures.

More information

Calculating Canada's conserved area

The <u>Canadian Protected and Conserved Areas Database</u> (the database) contains information on the protection (or conservation) date for each zone. For some zones, it also contains a delisting date.

To estimate the terrestrial protected area trend over time:

- All polygons representing terrestrial protected areas that were protected in 1990 or earlier were selected from the database
- 2. The selected polygons were dissolved into a single polygon (removing overlaps), and the resulting area calculated using Albers Equal Area Conic projection
- 3. The process was repeated for each subsequent year (delisted areas were removed from the analysis starting in the year they were delisted)
- Estimates were divided by the total terrestrial area of Canada to determine the proportion protected

To estimate the marine protected area, a similar process was followed, selecting protected marine polygons at each step. The process was repeated for areas conserved with other measures, for both terrestrial and marine. Total area conserved was calculated by summing area protected and area conserved with other measures.

Polygons with an unknown conservation date comprise 3.2% of the total conserved area. If a polygon with an unknown conservation date was described as "interim," it was assigned a conservation date based on the year it was first reported to the database (1.5% of total conserved area); otherwise it was treated as having been conserved prior to 1990.

Terrestrial conserved areas, within each province and territory

The database contains information on the province or territory in which a conserved area is located. Using methodology similar to that used for reporting trends in the national indicator, for each province and territory, terrestrial protected area polygons were combined into a single polygon and the area calculated. The analysis was repeated for terrestrial areas conserved with other measures.

Terrestrial and marine conserved areas, by reporting jurisdiction

The database also contains information on the jurisdiction responsible for each conserved area. As with the national indicator, for each jurisdiction, protected areas polygons were combined into a single polygon

and the total area was calculated. Additional analysis was conducted to estimate the area for areas conserved with other measures.

Conserved areas, by ecological area

The database does not contain information on ecological areas. To generate an estimate of conserved area within each ecozone and ecoregion, a geospatial analysis was conducted. However, national ecozone and ecoregion boundaries are more generalized than local conserved areas boundaries, and this has the potential to affect estimates in coastal areas. To avoid this problem, marine conserved area polygons that mapped outside a marine ecozone were assigned to the nearest marine ecozone. Similarly, terrestrial conserved areas that mapped outside a terrestrial ecozone were assigned to the nearest terrestrial ecozone. The steps followed were:

- 1. A working layer containing generalized ecozone boundaries was developed
 - i. Marine ecozone boundaries were copied from the national ecozone coverage, and marine ecozone polygons were extended inland to include adjacent terrestrial regions
- 2. The marine protected area polygons were selected from the database
- 3. The working layer and the marine protected area polygons were combined into a single layer
 - i. Marine protected areas that crossed ecozone boundaries were divided at the boundary
- 4. Protected area polygons were selected from the combined layer, and the overlap-corrected area was calculated for each generalized ecozone, resulting in marine areas being assigned to the correct ecozone
- 5. The process was repeated for marine areas conserved with other measures
- The process was repeated for terrestrial protected areas and terrestrial areas conserved with other measures

To be consistent with the projection used in the database, the ecozone layer was re-projected to Albers Equal Area Conic. The total area of each ecozone was then calculated from its geospatial boundaries. The Newfoundland-Labrador Shelves ecozone area was corrected for the territorial area of St Pierre and Miquelon. The total area conserved per ecozone was divided by the total area of the ecozone in order to generate a percentage.

For the terrestrial ecoregion analysis, a geospatial analysis calculated the overlap-adjusted protected area and area conserved with other measures within each ecoregion. Terrestrial conserved areas falling outside the ecoregion boundaries were assigned to the nearest ecoregion.

Recent changes

Data are regularly reviewed and updated. The completeness of the database is continuously being improved as existing conservation areas are reviewed and added to the database if appropriate.

In 2018, the Conservation Areas Reporting and Tracking System was converted to the <u>Canadian Protected and</u> <u>Conserved Areas Database</u> and brought formally within Environment and Climate Change Canada.

Caveats and limitations

Comparisons with previous reports should be made with caution, as data quality and completeness continue to improve. Privately protected land and other effective area-based conservation measures contribute to achievement of Canada's targets, but many are not yet captured within the database.

More information

The area protected or conserved calculated using polygon boundaries may differ from the "official area" reported in the Canadian Protected and Conserved Areas Database.

Responsibility for source data accuracy and completeness lies with the jurisdictions. Jurisdictional work is guided by the federal, provincial and territorial report One with Nature (PDF; 2.12 MB). Guidance material and decision support tools were adapted from, and in collaboration with, the Canadian Council on Ecological Areas. Nonetheless, some differences in the approach jurisdictions take in recognizing protected areas and areas conserved with other measures can be expected.

Areas that are no longer recognized as protected or conserved ("decommissioned" or "delisted") are not captured comprehensively and may be missing from the database. Decommissioned or delisted areas are counted from their establishment date until their delisting date.

Complex boundaries, such as coastlines and ecological areas, must be generalized for mapping purposes. In nature, ecozones or ecoregions do not have sharp boundaries. Due to the uncertainty of such boundaries, results should be seen as estimates rather than precise measurements. The mismatch in scale between conserved areas, mapped with fine detail, and national-scale geographic frameworks, mapped at a broad scale, may lead to minor differences across the various summaries because of the measurement uncertainty inherent in this type of analysis. Differences in the delineation of coastlines may result in a small amount of overlap between marine and terrestrial conserved area polygon boundaries; these overlaps have not been addressed.

Ecozones and ecoregions are ecologically based frameworks and should not be considered an expression of sovereignty. The 2019 updates to the ecozone and ecoregion frameworks have been completed for the purpose of reporting on national representation for the Pathway to Canada Target 1 initiative, and do not represent an official update of the 1995 National Ecological Framework. While the 2019 framework contains the most up-to-date information from jurisdictions, it should be noted that a different methodology was used by each data provider to determine the boundaries of the ecozones and ecoregions and that this national layer may differ from the provincial and territorial layers.

Protection is a designation, and the indicators do not provide information on the effectiveness of protection, the degree to which the ecological functioning of the area is intact, or the degree to which pressures outside a conserved area might affect the biodiversity within it. For example, an "other effective area-based conservation measure," such as a marine refuge, restricts certain activities without limiting others.

Resources

References

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Related information

2020 Biodiversity Goals and Targets for Canada

Canadian Council on Ecological Areas

Convention on Biological Diversity

Interactive map of Quebec's protected areas (in French only)

Pathway to Canada Target 1

ProtectedPlanet.net

Annex

Annex A. Data tables for the figures presented in this document

Table A.1. Data for Figure 1. Proportion of area conserved, Canada, 1990 to 2019

Year	Terrestrial area protected (square kilometres)	Percentage of terrestrial area protected	Terrestrial area conserved (square kilometres)	Percentage of terrestrial area conserved	Marine area protected (square kilometres)	Percentage of marine area protected	Marine area conserved (square kilometres)	Percentage of marine area conserved
1990	547 869	5.5	576 542	5.8	18 478	0.32	20 356	0.35
1991	548 374	5.5	577 046	5.8	18 497	0.32	20 375	0.35
1992	563 799	5.6	592 471	5.9	18 921	0.33	20 800	0.36
1993	578 451	5.8	607 123	6.1	19 167	0.33	21 045	0.37
1994	581 971	5.8	610 643	6.1	19 171	0.33	21 050	0.37
1995	613 633	6.1	642 305	6.4	20 939	0.36	22 818	0.40
1996	631 255	6.3	659 927	6.6	21 800	0.38	23 678	0.41
1997	643 243	6.4	680 878	6.8	21 823	0.38	23 701	0.41
1998	672 302	6.7	709 938	7.1	23 804	0.41	25 759	0.45
1999	695 139	7.0	732 775	7.3	24 037	0.42	28 150	0.49
2000	704 956	7.1	742 591	7.4	24 136	0.42	28 248	0.49
2001	727 666	7.3	765 302	7.7	24 167	0.42	28 280	0.49
2002	735 055	7.4	772 691	7.7	24 370	0.42	28 875	0.50
2003	790 872	7.9	834 451	8.4	27 571	0.48	32 090	0.56
2004	800 018	8.0	843 597	8.4	29 970	0.52	34 505	0.60
2005	826 672	8.3	870 251	8.7	31 388	0.55	38 691	0.67
2006	833 361	8.3	876 940	8.7	31 748	0.55	39 051	0.68
2007	859 520	8.6	903 099	9.0	31 942	0.56	49 667	0.86
2008	911 100	9.1	954 679	9.6	40 820	0.71	58 544	1.0
2009	939 503	9.4	983 082	9.8	41 375	0.72	59 099	1.0
2010	947 049	9.5	990 628	9.9	50 563	0.88	68 287	1.2
2011	971 493	9.7	1 015 932	10.2	50 648	0.88	68 373	1.2
2012	988 071	9.9	1 032 509	10.3	50 650	0.88	68 374	1.2
2013	1 022 048	10.2	1 096 605	11.0	51 297	0.89	70 011	1.2
2014	1 024 070	10.3	1 098 627	11.0	51 298	0.89	71 143	1.2
2015	1 047 284	10.5	1 121 842	11.2	52 644	0.92	71 515	1.2
2016	1 050 065	10.5	1 124 622	11.3	55 002	0.96	82 719	1.4
2017	1 052 418	10.5	1 126 975	11.3	168 443	2.9	451 510	7.9
2018	1 095 194	11.0	1 169 751	11.7	179 923	3.1	462 987	8.1
2019	1 133 907	11.4	1 211 813	12.1	511 906	8.9	794 974	13.8

Note: Terrestrial area includes land and freshwater. Area conserved includes area protected as well as areas conserved with other measures. For more information on the definition of protected areas and areas conserved with other measures, please refer to the <u>Data sources and</u>

methods. Trends are based on date of conservation, rather than date of reporting. Canada's terrestrial territory is 9 984 670 km² and its marine territory is approximately 5 750 000 km². Overlaps among protected areas and among areas conserved with other measures were corrected for. Data are current as of December 31, 2019.

Source: Environment and Climate Change Canada (2019) Canadian Protected and Conserved Areas Database.

Table A.2. Data for Figure 3. Proportion of terrestrial area conserved, by province and territory, Canada, 2019

Province or territory	Provincial or territorial area (square kilometres)	Area protected (square kilometres)	Percentage of province or territory protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of province or territory conserved
British Columbia	944 735	145 811	15.4	38 442	184 254	19.5
Northwest Territories	1 346 106	173 140	12.9	39 181	212 321	15.8
Alberta	661 848	101 668	15.4	0	101 668	15.4
Nova Scotia	55 284	6 979	12.6	0	6 979	12.6
Yukon	482 443	56 808	11.8	0	56 808	11.8
Manitoba	647 797	71 144	11.0	231	71 375	11.0
Quebec	1 512 418	162 203	10.7	0	162 203	10.7
Ontario	1 076 395	114 777	10.7	33	114 811	10.7
Nunavut	2 093 190	211 373	10.1	0	211 373	10.1
Saskatchewan	651 036	58 337	9.0	0	58 337	9.0
Newfoundland and Labrador	405 212	28 110	6.9	0	28 110	6.9
New Brunswick	72 908	3 390	4.6	0	3 390	4.6
Prince Edward Island	5 660	206	3.6	20	226	4.0

Note: Terrestrial area includes land and freshwater. Area conserved includes area protected as well as area conserved with other measures. Data are current as of December 31, 2019.

Source: Environment and Climate Change Canada (2019) Canadian Protected and Conserved Areas Database.

Table A.3. Data for Figure 4. Terrestrial area conserved, by reporting jurisdiction, Canada, 2019

Jurisdiction	Area protected (square kilometres)	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)
Provincial and territorial subtotal	672 877	77 906	750 783
British Columbia	139 708	38 441	178 149
Quebec	160 871	0	160 871
Ontario	101 359	33	101 393
Northwest Territories	43 110	39 181	82 291
Manitoba	57 403	231	57 634
Saskatchewan	53 144	0	53 144
Alberta	46 154	0	46 154
Nunavut	36 534	0	36 534
Yukon	20 613	0	20 613
Nova Scotia	5 576	0	5 576

Jurisdiction	Area protected (square kilometres)	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)
Newfoundland and Labrador	5 302	0	5 302
New Brunswick	2 922	0	2 922
Prince Edward Island	181	21	202
Parks Canada	353 079	0	353 079
Environment and Climate Change Canada	119 106	2	119 108
National Capital Commission	462	0	462
Correction for overlaps among jurisdictions	-11 617	-2	-11 619
Grand total	1 133 907	77 906	1 211 813

Note: Terrestrial area includes land and freshwater. Area conserved includes area protected area as well as area conserved with other measures. Data are current as of December 31, 2019.

Source: Environment and Climate Change Canada (2019) Canadian Protected and Conserved Areas Database.

Table A.4. Data for Figure 5. Marine area conserved, by reporting jurisdiction, Canada, 2019

Jurisdiction	Area protected (square kilometres)	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)
Provincial subtotal	10 272	0	10 272
Quebec	5 375	0	5 375
British Columbia	4 644	0	4 644
Atlantic provinces	173	0	173
Manitoba	80	0	80
Fisheries and Oceans Canada	351 517	283 126	634 643
Parks Canada	122 089	0	122 089
Environment and Climate Change Canada	31 171	0	31 171
Correction for overlaps among jurisdictions	-3 143	-58	-3 201
Grand total	511 906	283 068	794 974

Table A.5. Data for Figure 6. Proportion of area conserved, by ecozone, Canada, 2019

Ecozone name	Ecozone code	Ecozone area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Arctic Cordillera	CL01	233 619	51 891	22.5	0	51 891	22.2
Northern Arctic	CL02	1 481 481	105 630	7.1	0	105 630	7.1
Southern Arctic	CL03	957 139	163 265	17.1	6 772	170 038	17.8
Taiga Plains	CL04	554 013	60 498	10.9	18 239	78 737	14.2
Taiga Shield	CL05	1 322 786	132 213	10.0	1 032	133 245	10.1
Boreal Shield	CL06	1 897 364	188 252	9.9	0	188 252	9.9
Atlantic Maritime	CL07	110 590	9 372	8.5	20	9 393	8.5
Mixedwood Plains	CL08	116 206	2 320	2.0	33	2 353	2.0
Boreal Plains	CL09	779 471	67 905	8.7	1 686	69 591	8.9
Prairies	CL10	465 990	27 818	6.0	231	28 049	6.0
Montane Cordillera	CL11	437 761	82 345	18.8	16 766	99 111	22.6
Pacific Maritime	CL12	216 942	52 399	24.2	7 620	60 018	27.7
Boreal Cordillera	CL13	557 937	96 587	17.3	9 799	106 386	19.1
Taiga Cordillera	CL14	231 161	21 509	9.3	10 505	32 014	13.8
Hudson Plains	CL15	350 693	43 760	12.5	0	43 760	12.5
Tundra Cordillera	CL16	28 980	7 134	24.6	3 197	10 331	35.6
Atlantic Highlands	CL17	93 017	3 799	4.1	0	3 799	4.1
Semi-Arid Plateaus	CL18	56 434	5 312	9.4	2 005	7 318	13.0
Strait of Georgia	CW19	8 969	425	4.7	32	458	5.1
Southern Shelf	CW20	28 158	785	2.8	0	785	2.8
Offshore Pacific	CW21	315 724	10 547	3.3	82 431	92 977	29.4
Northern Shelf	CW22	101 663	16 683	16.4	0	16 683	16.4
Arctic Basin	CW23	752 053	284 091	37.8	0	284 091	37.8
Western Arctic	CW24	539 807	12 060	2.2	0	12 060	2.2
Arctic Archipelago	CW25	268 792	38 923	14.5	0	38 923	14.5
Eastern Arctic	CW26	782 636	115 296	14.7	58 725	174 091	22.2
Hudson Bay Complex	CW27	1 244 670	8 684	0.7	0	8 684	0.7
Newfoundland- Labrador Shelves	CW28	1 041 588	12 559	1.2	105 916	118 475	11.4
Scotian Shelf	CW29	416 296	6 000	1.4	19 731	25 730	6.2
Gulf of Saint Lawrence	CW30	246 648	5 852	2.4	16 233	22 084	9.0
Great Lakes	CW31	88 250	11 898	13.5	0	11 898	13.5

Table A.6. Data for Figure 7. Proportion of area conserved, by ecoregion, Canada, 2019

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Ellesmere and Devon Island Ice Caps	CL01R01	113 244	14 120	12.5	0	14 120	12.5
Baffin Mountains	CL01R02	87 928	27 592	31.4	0	27 592	31.4
Baffin Islands Coastal Lowlands	CL01R03	9 159	476	5.2	0	476	5.2
Torngat Mountains	CL01R04	19 182	9 764	50.9	0	9 764	50.9
Ellesmere Mountains	CL02R01	53 112	6 197	11.7	0	6 197	11.7
Eureka Hills	CL02R02	75 769	15 492	20.4	0	15 492	20.4
Polar Islands	CL02R03	21 353	0	0	0	0	0
Sverdrup Islands Lowland	CL02R04	28 971	0	0	0	0	0
Lancaster Plateau	CL02R05	102 430	78	0.1	0	78	0.1
High Arctic	CL02R06	25 939	3 687	14.2	0	3 687	14.2
Central Melville Upland	CL02R07	15 210	0	0	0	0	0
Parry Islands Plateau	CL02R08	43 593	12 266	28.1	0	12 266	28.1
Mid Arctic West	CL02R09	42 701	26 585	62.3	0	26 585	62.3
Mid Arctic East	CL02R10	91 488	362	0.4	0	362	0.4
Low Arctic North	CL02R11	9 859	859	8.7	0	859	8.7
Shaler Mountains	CL02R12	26 327	0	0	0	0	0
Amundsen Gulf Lowlands	CL02R13	49 141	22	0	0	22	0
Victoria Islands Lowland	CL02R14	123 129	0	0	0	0	0
Prince of Wales Island Lowland	CL02R15	17 150	0	0	0	0	0
Boothia Peninsula Plateau	CL02R16	35 701	0	0	0	0	0
Gulf of Boothia Plain	CL02R17	24 426	13	0.1	0	13	0.1
Borden Peninsula Plateau	CL02R18	31 473	11 822	37.6	0	11 822	37.6
Melville Peninsula Plateau	CL02R19	111 290	11	0	0	11	0
Baffin Island Uplands	CL02R20	79 703	1 597	2.0	0	1 597	2.0
Wager Bay Plateau	CL02R21	250 876	18 440	7.4	0	18 440	7.4
Foxe Basin Plain	CL02R22	56 549	6 574	11.6	0	6 574	11.6
Meta Incognita Peninsula	CL02R23	77 447	1 223	1.6	0	1 223	1.6

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Pangnirtung Upland	CL02R24	34 271	40	0.1	0	40	0.1
Hall Peninsula Upland	CL02R25	35 389	0	0	0	0	0
Baffin Upland	CL02R26	16 265	301	1.9	0	301	1.9
Yukon Coastal Plain	CL03R01	4 652	2 478	53.3	0	2 478	53.3
West Lowlands	CL03R02	24 729	1 178	4.8	0	1 178	4.8
Central Lowlands	CL03R03	14 847	335	2.3	0	335	2.3
East Lowlands	CL03R04	5 112	101	2.0	0	101	2.0
East Highlands	CL03R05	22 546	16 696	74.1	0	16 696	74.1
Coronation Hills	CL03R06	77 972	2 085	2.7	3 652	5 737	7.4
Bathurst Hills	CL03R07	8 986	1	0	0	1	0
Takijua Lake Upland	CL03R08	126 102	1 543	1.2	915	2 457	1.9
Queen Maud Gulf Lowland	CL03R09	66 172	43 449	65.7	0	43 449	65.7
Chantrey Inlet Lowland	CL03R10	21 959	2 163	9.9	0	2 163	9.9
Garry Lake Lowland	CL03R11	98 928	29 029	29.3	2 206	31 235	31.6
Back River Plain	CL03R12	33 117	14 989	45.3	0	14 989	45.3
Dubawnt Lake Plain and Upland	CL03R13	54 322	14 869	27.4	0	14 869	27.4
Maguse River Upland	CL03R14	78 598	257	0.3	0	257	0.3
Southampton Island Plain	CL03R15	37 903	1 463	3.9	0	1 463	3.9
Ottawa Islands	CL03R16	410	0	0	0	0	0
Belcher Islands	CL03R17	3 214	0	0	0	0	0
Ungava Peninsula	CL03R18	240 236	19 999	8.3	0	19 999	8.3
Northern Labrador Highlands	CL03R19	38 496	12 632	32.8	0	12 632	32.8
Mackenzie Delta	CL04R01	9 373	0	0	130	130	1.4
Low Subarctic Northern Plains	CL04R02	55 550	8 111	14.6	2 216	10 327	18.6
Northern Uplands	CL04R03	54 532	808	1.5	6 920	7 728	14.2
High Subarctic Northern Plains	CL04R04	82 597	666	0.8	2 020	2 685	3.3
Central Highlands	CL04R05	38 262	3 307	8.6	2 699	6 006	15.7
Central Uplands	CL04R06	17 973	109	0.6	16	125	0.7
Central Plains	CL04R07	20 851	1 128	5.4	3 149	4 277	20.5
Lac Grandin Plain	CL04R08	26 097	1 317	5.0	523	1 840	7.1
West-central Uplands	CL04R09	10 647	683	6.4	0	683	6.4

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Mackenzie Plain	CL04R10	18 388	1 439	7.8	0	1 439	7.8
Bulmer Plain	CL04R11	17 255	1 370	7.9	0	1 370	7.9
Horn Plateau	CL04R12	9 404	6 946	73.9	0	6 946	73.9
Great Slave Lake Plain	CL04R13	15 877	116	0.7	0	116	0.7
Northern Alberta Upland	CL04R14	31 212	481	1.5	566	1 047	3.4
Southern Uplands	CL04R15	15 675	0	0	0	0	0
Northern Mixedwood	CL04R16	92 264	24 663	26.7	0	24 663	26.7
Lower Boreal Highlands North	CL04R17	11 745	1 926	16.4	0	1 926	16.4
Boreal Subarctic	CL04R18	14 006	5 844	41.7	0	5 844	41.7
Slave Lowlands	CL04R19	11 667	1 583	13.6	0	1 583	13.6
High Subarctic West	CL05R01	60 726	3 155	5.2	950	4 105	6.8
Low Subarctic North	CL05R02	58 734	4 831	8.2	82	4 913	8.4
High Boreal	CL05R03	111 755	13 625	12.2	0	13 625	12.2
Slave Plain	CL05R04	7 579	11	0.1	0	11	0.1
Selwyn Lake Upland	CL05R05	196 275	19 091	9.7	0	19 091	9.7
Kazan River Upland	CL05R06	183 946	24 006	13.1	0	24 006	13.1
La Grande Hills	CL05R07	171 951	34 058	19.8	0	34 058	19.8
Nord-du-Québec Central Plateau	CL05R08	177 618	14 170	8.0	0	14 170	8.0
McPhayden Plateau	CL05R09	9 461	7	0.1	0	7	0.1
Ungava Bay Basin	CL05R10	109 785	9 460	8.6	0	9 460	8.6
Kingurutik-Fraser	CL05R11	52 915	0	0	0	0	0
Coastal Barrens	CL05R12	13 520	856	6.3	0	856	6.3
Michikamau- Smallwood	CL05R13	86 549	1 448	1.7	0	1 448	1.7
Nipishish-Goose	CL05R14	23 259	0	0	0	0	0
Mecatina River	CL05R15	41 289	0	0	0	0	0
Eagle Plateau – Mealy Mountains	CL05R16	17 599	7 496	42.6	0	7 496	42.6
Athabasca Plain	CL06R01	87 467	6 466	7.4	0	6 466	7.4
Churchill River Upland	CL06R02	196 603	11 635	5.9	0	11 635	5.9
Hayes River Upland	CL06R03	131 805	4 697	3.6	0	4 697	3.6
Big Trout Lake	CL06R04	146 897	5 610	3.8	0	5 610	3.8
Lake St. Joseph	CL06R05	91 057	25 599	28.1	0	25 599	28.1
Lake Wabigoon	CL06R06	75 331	15 678	20.8	0	15 678	20.8

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Lake of the Woods	CL06R07	16 390	749	4.6	0	749	4.6
Lake Nipigon	CL06R08	89 192	14 724	16.5	0	14 724	16.5
Pigeon River	CL06R09	20 468	5 156	25.2	0	5 156	25.2
Abitibi Lowlands	CL06R10	211 625	17 556	8.3	0	17 556	8.3
Lake Temagami	CL06R11	41 758	6 264	15.0	0	6 264	15.0
Georgian Bay	CL06R12	74 501	7 869	10.6	0	7 869	10.6
Mistassini Highlands	CL06R13	97 165	16 232	16.7	0	16 232	16.7
Southern Laurentides Highlands	CL06R14	158 761	12 533	7.9	0	12 533	7.9
Central Laurentides Highlands	CL06R15	205 129	17 362	8.5	0	17 362	8.5
Lake Melville	CL06R16	17 668	461	2.6	0	461	2.6
Paradise River	CL06R17	17 160	1 900	11.1	0	1 900	11.1
Middle and Lower Côte-Nord Plateau	CL06R18	104 282	9 720	9.3	0	9 720	9.3
Anticosti Island	CL06R19	7 937	602	7.6	0	602	7.6
Strait of Belle Isle Barrens	CL06R20	1 783	42	2.4	0	42	2.4
Northern Peninsula Forest	CL06R21	8 508	505	5.9	0	505	5.9
Long Range Barrens	CL06R22	16 589	1 589	9.6	0	1 589	9.6
Western Newfoundland Forest	CL06R23	9 874	551	5.6	0	551	5.6
Central Newfoundland Forest	CL06R24	28 731	528	1.8	0	528	1.8
North Shore Forest	CL06R25	5 483	133	2.4	0	133	2.4
Maritime Barrens	CL06R26	37 734	4 037	10.7	0	4 037	10.7
Avalon Forest	CL06R27	555	14	2.5	0	14	2.5
Eastern Hyper- Oceanic Barrens	CL06R28	1 545	44	2.8	0	44	2.8
Valley Lowlands	CL07R01	20 310	722	3.6	0	722	3.6
Eastern Lowlands	CL07R02	39 021	1 759	4.5	0	1 759	4.5
Grand Lake Lowlands	CL07R03	3 780	153	4.0	0	153	4.0
Central Uplands East	CL07R04	1 408	203	14.4	0	203	14.4
Fundy Coast	CL07R05	3 633	256	7.0	0	256	7.0
Prince Edward Island	CL07R06	5 932	206	3.5	20	226	3.8
Îles-de-la-Madeleine	CL07R07	232	24	10.3	0	24	10.3
Avalon Uplands	CL07R08	4 793	403	8.4	0	403	8.4

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Triassic Lowlands	CL07R09	1 367	1	0.1	0	1	0.1
Western Meguma Interior	CL07R10	17 129	2 833	16.5	0	2 833	16.5
Eastern Meguma Interior	CL07R11	6 136	773	12.6	0	773	12.6
Cape Breton Highlands	CL07R12	2 460	1 282	52.1	0	1 282	52.1
Cape Breton Taiga	CL07R13	302	227	75.2	0	227	75.2
Atlantic Coast	CL07R14	4 088	532	13.0	0	532	13.0
St. Lawrence Lowlands	CL08R01	44 124	1 442	3.3	0	1 443	3.3
Lake Simcoe	CL08R02	49 405	685	1.4	33	718	1.5
Lake Erie - Lake Ontario	CL08R03	21 865	185	0.8	0	185	0.8
Muskwa Plateau	CL09R01	26 169	857	3.3	1	857	3.3
Mid Boreal Uplands	CL09R02	307 570	41 735	13.6	724	42 459	13.8
Lower Boreal Highlands South	CL09R03	69 089	2 986	4.3	559	3 545	5.1
Upper Boreal Highlands	CL09R04	11 894	2 331	19.6	0	2 331	19.6
Dry Mixedwood	CL09R05	58 592	939	1.6	185	1 124	1.9
Peace River Parkland	CL09R06	3 122	20	0.6	0	20	0.6
Lower Foothills	CL09R07	51 105	526	1.0	187	713	1.4
Upper Foothills	CL09R08	22 460	600	2.7	30	631	2.8
Peace-Athabasca Delta	CL09R09	5 539	5 227	94.4	0	5 227	94.4
Boreal Transition	CL09R10	91 799	5 212	5.7	0	5 212	5.7
Mid Boreal Lowland	CL09R11	92 890	5 931	6.4	0	5 931	6.4
Interlake Plain	CL09R12	39 782	1 542	3.9	0	1 542	3.9
Aspen Parkland	CL10R01	170 223	6 431	3.8	231	6 662	3.9
Foothills Parkland	CL10R02	3 928	243	6.2	0	243	6.2
Foothills Fescue	CL10R03	13 642	49	0.4	0	49	0.4
Moist Mixed Grassland	CL10R04	82 833	4 836	5.8	0	4 836	5.8
Mixedgrass	CL10R05	17 599	180	1.0	0	180	1.0
Dry Mixedgrass	CL10R06	133 416	14 309	10.7	0	14 309	10.7
Cypress Mixedgrass	CL10R07	7 517	1 073	14.3	0	1 073	14.3
Cypress Hills Montane	CL10R08	309	206	66.7	0	206	66.7

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Southwest Manitoba Uplands	CL10R09	2 188	127	5.8	0	127	5.8
Lake Manitoba Plain	CL10R10	32 768	363	1.1	0	363	1.1
Skeena Mountains	CL11R01	24 427	882	3.6	540	1 422	5.8
Omineca Mountains	CL11R02	34 083	2 965	8.7	307	3 272	9.6
Fraser Basin	CL11R03	43 017	1 521	3.5	415	1 936	4.5
Central Canadian Rocky Mountains	CL11R04	37 273	3 714	10.0	2 596	6 310	16.9
Eastern Hazelton Mountains	CL11R05	13 535	5 992	44.3	1 010	7 002	51.7
Chilcotin Ranges	CL11R06	15 784	6 476	41.0	387	6 863	43.5
Fraser Plateau	CL11R07	82 038	5 173	6.3	6 195	11 368	13.9
Columbia Highlands	CL11R08	29 572	3 196	10.8	2 613	5 809	19.6
Selkirk-Bitterroot Foothills	CL11R09	7 646	879	11.5	56	935	12.2
Northern Columbia Mountains	CL11R10	53 493	12 022	22.5	1 144	13 166	24.6
Southern Rocky Mountain Trench	CL11R11	8 498	605	7.1	156	761	9.0
Purcell Transitional Ranges	CL11R12	8 108	1 198	14.8	6	1 204	14.8
Western Continental Ranges	CL11R13	23 382	6 500	27.8	113	6 613	28.3
Northern Continental Divide	CL11R14	5 916	437	7.4	871	1 309	22.1
Eastern Continental Ranges	CL11R15	50 020	30 785	61.5	356	31 142	62.3
Mount Logan	CL12R01	12 925	12 923	100	0	12 923	100
Chugach Mountains and Icefields	CL12R02	2 338	2 338	100	0	2 338	100
Boundary Ranges	CL12R03	21 426	1 318	6.2	10	1 328	6.2
Nass Ranges	CL12R04	27 323	1 279	4.7	1 513	2 793	10.2
Gwaii Haanas	CL12R05	10 049	4 819	48.0	8	4 828	48.0
Coastal Gap	CL12R06	45 187	16 895	37.4	627	17 522	38.8
Western Vancouver Island	CL12R07	20 165	2 815	14.0	867	3 682	18.3
Eastern Vancouver Island	CL12R08	12 333	1 546	12.5	204	1 750	14.2
Georgia-Puget Basin	CL12R09	1 668	150	9.0	3	154	9.2

Ecoregion name	Ecoregion code	Ecoregion area (square kilometres)	Area protected (square kilometres)	Percentage of region protected	Area conserved with other measures (square kilometres)	Area conserved (square kilometres)	Percentage of region conserved
Lower Mainland	CL12R10	4 290	218	5.1	50	268	6.2
Pacific Ranges	CL12R11	59 317	8 097	13.7	4 338	12 434	21.0
St. Elias Mountains	CL13R01	18 708	15 693	83.9	0	15 693	83.9
Wellesley Lake	CL13R02	3 983	0	0	0	0	0
Ruby-Nisling Ranges	CL13R03	18 885	10	0.1	0	10	0.1
Klondike Plateau	CL13R04	36 520	0	0	0	0	0
Yukon Plateau-Central	CL13R05	24 030	110	0.5	0	110	0.5
McQuesten Highlands	CL13R06	23 592	764	3.2	0	764	3.2
Yukon Plateau-North	CL13R07	49 503	1 770	3.6	0	1 770	3.6
Selwyn Mountains	CL13R08	35 697	1	0	0	1	0
Mid-Boreal Highlands	CL13R09	24 120	12 638	52.4	2	12 640	52.4
High Boreal Highlands	CL13R10	23 759	18 135	76.3	0	18 135	76.3
High Boreal Lowlands	CL13R11	9 561	1 042	10.9	0	1 042	10.9
Yukon-Stikine Highlands	CL13R12	23 468	6 654	28.4	0	6 654	28.4
Yukon Southern Lakes	CL13R13	50 133	5 846	11.7	0	5 846	11.7
Pelly Mountains	CL13R14	46 960	140	0.3	0	140	0.3
Boreal Mountains and Plateaus	CL13R15	79 123	20 724	26.2	4 470	25 194	31.8
Liard Basin	CL13R16	28 926	620	2.1	0	620	2.1
Hyland Highland	CL13R17	19 609	378	1.9	0	378	1.9
Northern Canadian Rocky Mountains	CL13R18	41 282	12 062	29.2	5 327	17 390	42.1
Davidson Mountains	CL14R01	5 191	3 302	63.6	0	3 302	63.6
Old Crow Basin	CL14R02	14 923	5 794	38.8	0	5 794	38.8
North Ogilvie Mountains	CL14R03	40 613	5 066	12.5	0	5 066	12.5
Eagle Plains	CL14R04	21 985	1 296	5.9	0	1 296	5.9
Mackenzie Mountains	CL14R05	31 568	910	2.9	0	910	2.9
Low Subarctic Lowlands	CL14R06	43 421	1 861	4.3	1 833	3 694	8.5
High Subarctic Highlands	CL14R07	24 526	137	0.6	1 652	1 789	7.3
Low Subarctic Highlands	CL14R08	49 040	3 145	6.4	7 020	10 165	20.7
Coastal Hudson Bay Lowland	CL15R01	57 236	26 576	46.4	0	26 576	46.4
Hudson Bay Lowland	CL15R02	138 825	13 362	9.6	0	13 362	9.6

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James Bay Lowlands	CL15R03	152 345	3 823	2.5	0	3 823	2.5
British-Richardson Mountains	CL16R01	28 887	7 134	24.7	3 197	10 331	35.8
Appalachian Mountains	CL17R01	69 073	2 623	3.8	0	2 623	3.8
Central Uplands West	CL17R02	12 393	377	3.0	0	377	3.0
Northern New Brunswick Uplands	CL17R03	8 724	516	5.9	0	516	5.9
New Brunswick Highlands	CL17R04	2 822	283	10.0	0	283	10.0
Interior Transition Ranges	CL18R01	14 026	2 235	15.9	1 078	3 314	23.6
Northern Cascade Ranges	CL18R02	9 479	1 644	17.3	197	1 841	19.4
Thompson-Okanagan Plateau	CL18R03	31 596	1 238	3.9	722	1 959	6.2
Okanagan Highland	CL18R04	1 363	195	14.3	8	203	14.9
Great Lakes	CW31	88 250	11 898	13.5	0	11 898	13.5

Additional information can be obtained at:

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