1. [Geo.ca](https://geo.ca/)

# GEO.ca is the definitive source for Canada’s open geospatial information.

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* Datasets
* Contributors

## In the Spotlight

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| [View of a cityscape next to a body of water.](https://geo.ca/flood-mapping/) [Flood Mapping](https://geo.ca/flood-mapping/) Canadian federal, provincial and territorial government geospatial data providers collaborate to provide tools and resources to help Canadians plan and prepare for floods. | Digitized roads, buildings, forested areas and water overlaying a high resolution digital elevation model in Woodstock, New Brunswick. [GeoAI](https://geo.ca/initiatives/geobase/geoai/) Discover the GeoAI Data Series, the time enabled geospatial features created using artificial intelligence (AI). | [Canadian Hydrospatial Network](https://wordpress.dev.geo.ca/initiatives/geobase/canadian-hydrospatial-network/) Discover Canada’s new, higher-resolution hydrographic network. The Canadian Hydrospatial Network (CHN) data enables the modelling of surface water flow in Canada. |

[Read more GEO news](https://geo.ca/geo-in-the-news/)

## Initiatives

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| [over the shoulder view of someone looking at a computer screen with HTML](https://geo.ca/initiatives/canadian-geospatial-data-infrastructure/mapml/) [Maps for HTML](https://geo.ca/initiatives/canadian-geospatial-data-infrastructure/mapml/) Learn how to use and contribute to a standard for simple, accessible, and programmable web maps. | [Critical Minerals](https://geo.ca/initiatives/critical-minerals/) Discover tools and resources to help strengthen the supply chains of critical minerals. | [A cloudy sky over the ocean and rocky coast and evergreens of Bowen Island, British Columbia](https://geo.ca/initiatives/geobase/) [GeoBase Initiative](https://geo.ca/initiatives/geobase/) The GeoBase initiative provides access to, national geospatial foundational data for Canada’s land, water, and infrastructure. |

[Find more initiatives](https://geo.ca/initiatives/)

## Foundation Data

Foundation data represents the core features of Canada’s land, water and infrastructure. Discover them here.

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| [An Elections Canada 'vote' sign outside of a polling place](https://app.geo.ca/result?id=5931f6f0-0008-4b0c-94d7-a1ff596182c5&lang=en%20)  [**Federal Electoral Districts - Canada 2019**](https://app.geo.ca/result?id=5931f6f0-0008-4b0c-94d7-a1ff596182c5&lang=en%20) | [3-D shaded relief of digital surface model of Gatineau Highway near Wakefield QC](https://app.geo.ca/result?id=0fe65119-e96e-4a57-8bfe-9d9245fba06b&lang=en%20)  [**High Resolution Digital Elevation Model Mosaic (HRDEM Mosaic) — CanElevation Series**](https://app.geo.ca/result?id=0fe65119-e96e-4a57-8bfe-9d9245fba06b&lang=en%20) | [Aerial shot of some trees along the Red River in Maple Grove Park, Winnipeg, MB, Canada](https://app.geo.ca/result?id=08b810c2-7c81-40f1-adb1-c32c8a2c9f50&lang=en)  [**Floods in Canada — Cartographic Product Collection**](https://app.geo.ca/?keyword_only=&theme=&lang=en&foundational=&type=&keyword=flood) |

[Find More Foundation Data](https://geo.ca/foundation-data/)

## Map Gallery

Explore our extensive map gallery. See what’s possible. Reuse what’s already been created. Get inspired. Create and share your own custom map!

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| [Air Pollutants at Monitoring Stations Map](https://app.geo.ca/map?rvKey=e6cc3ae2-92b1-4df6-87ff-698a1cd5a7bd,881a606b-69e0-473f-841d-aec9e2815e58,7796058d-507f-4b6d-b169-8c6af60c5916,7c8a7b95-9877-4c31-a78e-716e680a1806,c63ee09d-dc19-46d7-b8f4-0494e15c62b4,317a24db-49c2-4b0d-bdfd-4de1334fae76,5f1b78ab-999a-41f0-82e9-351d236010ca) [**Air Pollutants at Monitoring Stations**](https://app.geo.ca/map?rvKey=e6cc3ae2-92b1-4df6-87ff-698a1cd5a7bd,881a606b-69e0-473f-841d-aec9e2815e58,7796058d-507f-4b6d-b169-8c6af60c5916,7c8a7b95-9877-4c31-a78e-716e680a1806,c63ee09d-dc19-46d7-b8f4-0494e15c62b4,317a24db-49c2-4b0d-bdfd-4de1334fae76,5f1b78ab-999a-41f0-82e9-351d236010ca) [VIEW MAP](https://app.geo.ca/map?rvKey=e6cc3ae2-92b1-4df6-87ff-698a1cd5a7bd,881a606b-69e0-473f-841d-aec9e2815e58,7796058d-507f-4b6d-b169-8c6af60c5916,7c8a7b95-9877-4c31-a78e-716e680a1806,c63ee09d-dc19-46d7-b8f4-0494e15c62b4,317a24db-49c2-4b0d-bdfd-4de1334fae76,5f1b78ab-999a-41f0-82e9-351d236010ca) | [Automatically Extracted Buildings](https://app.geo.ca/map?rvKey=7a5cda52-c7df-427f-9ced-26f19a8a64d6) [**Automatically Extracted Buildings**](https://app.geo.ca/map?rvKey=7a5cda52-c7df-427f-9ced-26f19a8a64d6) [VIEW MAP](https://app.geo.ca/map?rvKey=7a5cda52-c7df-427f-9ced-26f19a8a64d6) | [Canada’s Commemorative Map](https://app.geo.ca/map?rvKey=ccc75c12-5acc-4a6a-959f-ef6f621147b9) [**Canada’s Commemorative Map**](https://app.geo.ca/map?rvKey=ccc75c12-5acc-4a6a-959f-ef6f621147b9) [VIEW MAP](https://app.geo.ca/map?rvKey=ccc75c12-5acc-4a6a-959f-ef6f621147b9) |

[Explore More Maps](https://geo.ca/map-gallery/)