



GeoBase: Altimetry and Hydrography

As part of the GeoBase initiative the **GeoBase: Altimetry and Hydrography** project will produce geospatial altimetry and hydrography data layers. It will also oversee the conversion of the 1:50,000 National Topographic System (NTS) sheets from Imperial contour to Metric values (on an on-demand basis).

The production and maintenance of the altimetry and hydrography datasets will be carried out with federal and provincial partners and will be based on the best data available from these sources. Key aspects will include watershed definition, coastline delineation and integration of the altimetry and bathymetry.

Altimetry and hydrography data will be vertically and horizontally integrated with other data layers in GeoBase. The GeoBase will become a critical source of consistent, national geospatial data to support natural resource management. Additional information on GeoBase and GeoConnections is available as a separate appendix.

Project Priorities:

- Establish the national standards for altimetry and hydrography in consultation with partners and stakeholders.
- Establish partnership agreements with GeoConnections and other federal and provincial partners.
- Develop a prototype for the hydrographic network.
- Produce digital elevation models (DEMs) in accordance with the national standard, using the best available provincial and federal data.
- Generate metric contour data on an “on-demand” basis.
- Produce the hydrographic network in accordance with the national standard using the best available provincial and federal data.

For more information:

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