



Geobase – National Imagery Coverage - Landsat-7

Geobase - The National Imagery Coverage (Landsat-7) project aims to produce a national coverage of orthorectified Landsat-7 satellite images as well as the geometric correction of non-precise digital files of the National Topographic Data Base (NTDB) in order to ensure the accurate overlaying of geospatial information. The availability of precise and geo-referenced Landsat coverage for all of Canada represents a critical source of digital data to support the strategic management of natural resources.

This project, co-funded by GeoConnections (an initiative of Natural Resources Canada (<http://www.geoconnections.org>)), is being undertaken in partnership with more than 20 federal and provincial organizations.

It is a unique initiative in the Canadian geomatics community for two aspects: the complete Canadian coverage, and the extensive collaboration required at the federal and provincial levels. These products will be available to all partner organizations and the public. Additional information on GeoBase and GeoConnections is available as a separate appendix.

Landsat-7 orthoimages are used in several applications; including the development of the next generation of forestry mapping and monitoring systems. In addition, Environment Canada uses the ortho-images for its National Wetlands Inventory project.

Project Priorities:

- Continue the production of Landsat-7 orthoimages.
- Provide orthoimages to participating partners and make the geometric correction matrices, and control point database available to client
- Produce Radarsat-1 orthoimages to complete the coverage of Northern Canada where Landsat-7 data are not available.

For more information :

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