



NOVA SCOTIA TOPOGRAPHIC DATABASE

PRODUCTS AND SERVICES

- ◆ “DataLocator” (1:10 000 NSTDB data / free download)
- ◆ *online mapping specifications*
- ◆ *orthophotomaps are available for topographic map sheets produced since 2002*

RESOURCE SERIES

- ◆ *1:10 000 map scale*
- ◆ *provincial coverage—almost 1,600 map sheets*

LARGE SCALE SERIES

- ◆ *1:5000, 1:2000, and 1:1000 map scale*
- ◆ *over 1,200 sheets of urban areas and areas of special interest*



What is the Nova Scotia Topographic Database?

The Nova Scotia Topographic Database (NSTDB) is a source for province-wide topographic information for Nova Scotia. The database represents the province’s natural and cultural features, including topography (surface shape) of the land, at a uniform scale and at a stated level of accuracy.

The collection consists of two map series—the Resource 1:10 000 Map Series and the Large Scale 1:1000, 1:2000, and 1:5000 Map Series. The Resource Map Series covers the entire province and is updated on a 10-year revision cycle, while the Large Scale Series is created for urban areas and areas of special interest as requested.

How is it maintained?

The database is captured using aerial photography and is produced to rigorous standards to achieve accuracy and consistency of content. It is a vector database consisting of themes of data such as roads, water, utilities, and more.

Who can it benefit?

This database is used as the base mapping for many government geomatics products and services. This includes the Nova Scotia Atlas, the Nova Scotia Civic Address File (NSCAF), and federal GeoBase initiatives.

This database is used by

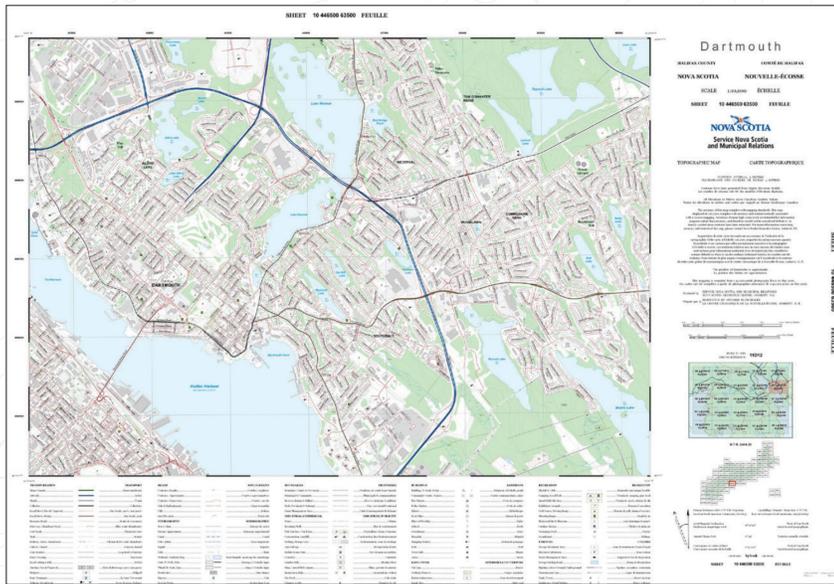
- ◆ government departments
- ◆ resource and infrastructure managers
- ◆ foresters
- ◆ environmental planners and engineers
- ◆ real estate and land development professionals
- ◆ geomatics industry
- ◆ anyone with an interest

Topographic Database Details

The Nova Scotia Topographic Database is a three-dimensional vector database with x, y, and z (elevation) coordinates. It is a structured database consisting of nine themes of topographic features, including a digital elevation model (DEM) for each map sheet.

NINE THEMES OF TOPOGRAPHIC DATA

- ⊕ buildings
- ⊕ designated areas
- ⊕ delimiters (boundaries)
- ⊕ land cover (i.e., treed areas)
- ⊕ land form (i.e., contours)
- ⊕ roads and railroads
- ⊕ structures
- ⊕ utilities
- ⊕ water (hydrography)



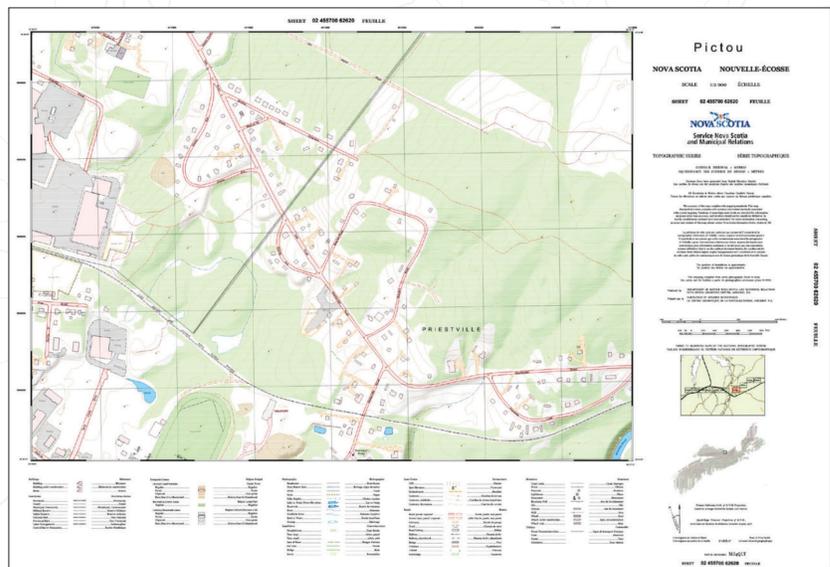
Resource 1:10 000 Topographic Map

- compiled from 1:40 000 or 1:35 000 black & white aerial photography
- accuracy = 2.5 metres or better
- UTM / NAD83 (CSRS) projection/datum
- planned ten-year revision cycle
- complete digital mapping coverage for the entire province
- available as hard-copy map or digital vector data
- contributes to National Road Network and National Hydrographic Network

Depiction of 1:10 000 Resource Series hard-copy plot.

Large Scale 1:2000 Topographic Map

- compiled from 1:18 000 or 1:10 000 colour aerial photography
- accuracy = 1.0 metre or better
- available as hard-copy map or digital vector data



Depiction of 1:2000 Large Scale Series hard-copy plot.