



NOVA SCOTIA ORTHOPHOTOMAP DATABASE

PRODUCTS & SERVICES

- ◆ "DataLocator" data discovery tool

RESOURCE SERIES

- ◆ 1:10 000 map scale
- ◆ black and white imagery
- ◆ digital orthophotomap coverage started in 2002; complete provincial coverage anticipated by 2012
- ◆ consists of almost 1,600 map sheets

LARGE SCALE SERIES

- ◆ 1:2000 map scale
- ◆ colour imagery
- ◆ coverage of selected urban areas



What is the Nova Scotia Orthophotomap Database (NSODB)?

Nova Scotia's digital Orthophotomap Database is a map series created from georeferenced aerial photographs which have been rectified to remove image displacements caused by camera tilt and relief of terrain. They combine the image characteristics of a photograph with the uniform scale and geometric qualities of a map.

How is the NSODB Created?

The NSODB is a value-added product produced during the creation or revision of the Nova Scotia Topographic Database (NSTDB).

The process involves digitally correcting (orthorectifying) and mosaicing aerial photographs, clipping the resulting product to a standardized map sheet window, and overlaying topographic vector data such as contours, text, and hydrography to create a final map for distribution.

What are orthophotomaps used for?

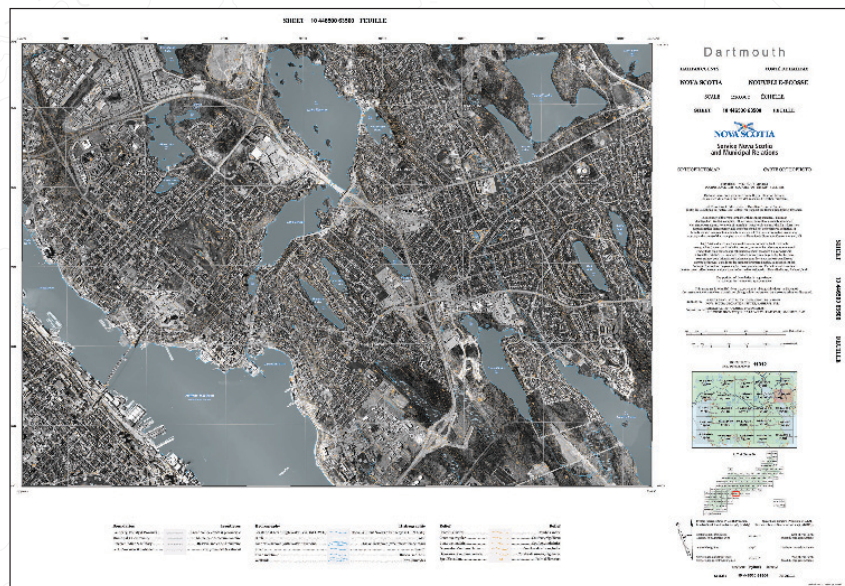
Orthophotomaps are user-friendly and visually appealing. They are often used as backdrops in a digital mapping environment. They can be a valuable source for base mapping maintenance, verification activities, planning, and resource management.

Who uses the database?

- ◆ GIS professionals and cartographers
- ◆ government departments
- ◆ resource and infrastructure managers
- ◆ foresters
- ◆ recreational users
- ◆ real estate and land development professionals
- ◆ anyone with an interest

Orthophotomap Details

The Nova Scotia Orthophotomap Database consists of the 1:10 000 black and white Resource Series and the 1:2000 colour Large Scale Series (digital file or hard-copy maps).



Resource

1:10 000

Digital Orthophotomap

created from 1:40 000 or 1:35 000 black and white aerial photography

accuracy = 2.5 metres or better

pixel resolution = 60 cm

UTM / NAD83 (CSRS) projection/datum

enhanced with NSTDB hydrography, text, and contours

complete provincial coverage anticipated by 2012

Depiction of 1:10 000 Resource Orthophotomap hard-copy plot

Large Scale 1:2000 Orthophotomap

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

pixel resolution = 14 cm or 26 cm depending on photo scale

enhanced with NSTDB hydrography, text, and contours

Depiction of 1:2000 Large Scale Orthophotomap hard-copy plot

