Quickbird Satellite Imagery - 2005-2008

Description
The Source Water Protection QuickBird Imagery Project constitutes a high-resolution satellite imagery data set for approximately 120,000 km² in the Province of Ontario. This data consists of orthorectified image derivatives from the Level Basic-1B bundled imagery provided to the Ontario Ministry of Natural Resources (OMNR) by Digital Globe, Inc.

Pansharpened images (60 - 70 cm true colour composites) are required for mapping applications that require high-resolution background imagery. Additional image derivatives, such as enhanced Multispectral and Greyscale (Panchromatic) products (GeoTIFF and MrSID formats) may also be generated depending on requirements. Raw (Basic-1B) imagery was secured from Digital Globe to ensure that the orthorectification process could be conducted under the supervision of OMNR staff, with an adherence to the geospatial standards of the Natural Resources Values Information System (NRVIS).

- **Satellite**: QuickBird
- **Date**: varies with scene
- **Source format**: JPEG 2000, jp2
- **Ground pixel resolution**: 60-70 cm
- **Sensor Mode**: PAN/MSI
- **Bands**: panchromatic, multi-spectral (true colour, false colour), pan-sharpened false colour
- For specific scene details see metadata available through Scholars GeoPortal.

Data Format
The data is intended to be used in a GIS (geographic information system) software, such as ArcGIS; as well as remote sensing software, such as ENVI. The QuickBird Imagery data is available in ArcGIS and ENVI coverage format.

Data Use: Restrictions/Copyright
Data is licensed to Brock University faculty, staff and students for teaching and research purposes only. A license agreement must be signed before the files will be delivered.

Accessing the Data
The *QuickBird Imagery* data layer can be downloaded directly from [Scholars GeoPortal](http://geo2.scholarsportal.info/) OR contact Map Library staff for assistance.

Sample Citation Format
Coverage:

- Panchromatic
- Pan-sharpened false colour

- Multi-spectral imagery, true colour
- Multi-spectral imagery, false colour