

Customer: **SNC-Lavalin**

Project: **Classification of urban sites for City of Longueuil**

Duration: June – July 2003

Scope: Analysis and classification of a Landsat ETM image in an urban context

- Highlights:*
- Automatic, supervised classification
 - Integration of vectors to extract density
 - Statistical analysis

Description: In an urban context, a Landsat-7 image was classified to extract urban densities. Preliminary classifications were done automatically to extract the large elements; they were adjusted manually. Supervised classifications were then done using training sites to extract urban densities based on the image's intensity variations. Road network vectors were rastered to then extract from them an urban density indicator and they were then coupled with the classifications.

In images...

