

Customer: **Consultants Forestiers DGR**

Project: **Potential of Landsat ETM images for identifying the Canadian yew**

Duration: March – April 2003

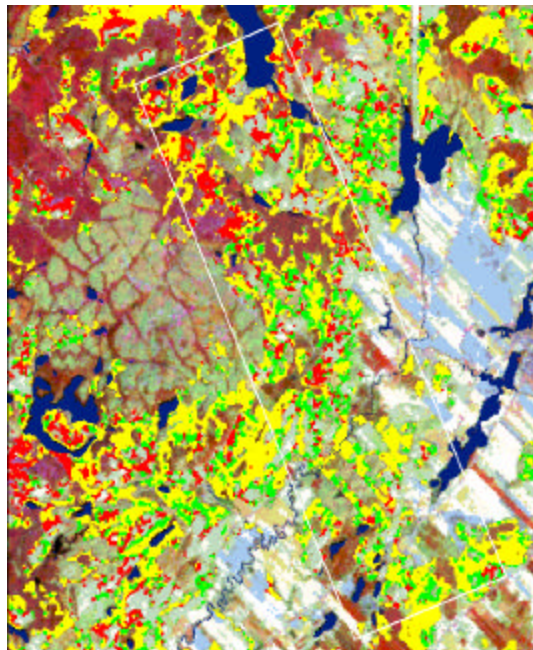
Scope: Analysis of potential of Landsat ETM images

Highlights:

- Automatic classification
- Comparison with photos
- Statistical analysis

Description: The Landsat ETM image acquired in the spring was not useful for properly discerning the presence of Canadian yews in the understorey. The analysis brought to light the poor separability of the spectral signatures associated with the three density classes for Canadian yew used in this specific component involving satellite remote sensing. The results obtained from the automatic classification clearly showed an overestimation of surfaces compared to the classification produced through the visual interpretation of aerial photographs. Furthermore, the separation of the three density classes obtained from the satellite image did not correspond to that obtained from the aerial photos.

In images...



Yew_dense
Yew_avg_dense
Yew_open