

## Building GIS databases of digital geoscience data coverage for Newfoundland and Labrador

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The Geological Survey of Newfoundland and Labrador has been collecting and organizing georeferenced databases of geological information in a variety of computer formats over the past ten years. As the size and number of these databases has grown it has become increasingly important that digital techniques are used to manage this information and apply it effectively to mineral exploration. Dramatic changes in digital information and communications technology over this decade are completely transforming the way in which geological surveys throughout the world manage and disseminate their

geoscience knowledge. In response to these changes and client needs, the Geological Survey has developed a data model (Geolegend) for the Survey's digital geology maps and we are now working on implementing the North American Geological data model for the Canadian Geoscience Knowledge Network (CGKN) project. Interface tools are also being developed that will allow clients to create custom geological maps based on these data models on stand alone pc-based systems and through web-based systems.