

2.1.2 Exposing Manitoba Highway Conditions in Google Earth

Presenter

Shawn Cruise
Manitoba Infrastructure and Transportation
Shawn.Cruise@gov.mb.ca

Co-Presenter

Manitoba Infrastructure and Transportation is responsible for providing current highway conditions, such as winter road conditions, road closures, construction information and spring weight restrictions to government, the general public and other interested parties. In the fall of 2003 a system was implemented using GeoMedia Professional, GeoMedia WebMap Professional with an Oracle back end to provide public web access to the current road information.

The system underwent a major upgrade and a new version was made available to the public in the summer of 2007. Among the many enhancements made to the highway condition system was the ability to view the current highway conditions in Google Earth. A KML webservice, which uses a Web Feature Service (WFS) as a datasource, was added to the website to expose the current Manitoba highway conditions in a rich user environment provided by Google Earth. Currently the KML webservice is internal but should be available to the public by December 2007.

This presentation will cover an overview of the KML web service, specifically the functionality gained and the technical architecture.