



## **Official Launch of Canada-wide DGPS Service**

The Canada-wide DGPS Service (CDGPS) was opened for service on October 14th. Run by a federal, provincial, and territorial government consortium, the CDGPS is a new satellite-based, real-time differential GPS (DGPS) service designed to provide reliable GPS corrections. For users with a CDGPS receiver, it provides meter and even sub-meter positioning for all of Canada. The system provides a free nation-wide service and is suitable for forestry, precision farming, resource management, GIS and mapping, and navigation applications.

The service uses wide-area technology deriving corrections from across the country, then transmitting these data to Ottawa. A single GPS-C correction data stream is then produced and up-linked to the MSAT geo-stationary satellites for broadcast. The CDGPS receiver translates the data stream into localized RTCM-SC104 messages, which then correct the positions of single-frequency GPS receivers. The CDGPS receiver also works directly with data recorders or dual-frequency receivers using NEMA and the RTCA-like GPS-C data formats.

For more information, visit the CDGPS Web-site at <http://www.cdgps.com/>