



Improvements to Alberta's Cadastral Base!

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AltaLIS has recently completed the initial phase of the Cadastral Improvement Project which deployed Alberta Land Surveyors to the field to make GPS observations at ATS survey posts. This project, largely funded by Spatial Data Warehouse, has provided for more accurate and reliable coordinate values within Alberta's cadastral base.

AltaLIS has been maintaining the Cadastral base for Alberta since 1998. The integration process relies on the CAD files and tiff images that are submitted by surveyors as they register plans at Alberta Land Titles. This new registered plan information is interactively integrated with common points in the cadastral base on a daily basis.

The overall intent in the maintenance of the cadastral base is to improve the coordinate values to be consistent with the actual location of the survey posts in the ground. Whenever there are large variances, an investigation is made to identify if there is an error in the plan or if the coordinate values in the cadastral base were derived theoretically or from old surveys that may be suspect.

Unresolved variances are flagged and, wherever possible, survey crews in the local area are employed to perform GPS observations to the survey posts in the adjacent and surrounding area. The cadastral base is then readjusted to fit the new coordinate values.

Over 100,000 registered plans of survey have been integrated by AltaLIS since 1998. In the past 3 years, approximately 2200 field ties have been made to survey posts which have enabled over 84,000 cadastral stations and 7,000 ATS points to be adjusted and improved in the cadastral base. It is intended for this program to continue, subject to adequate funding, as mapping discrepancies are identified.

For more information please contact the AltaLIS Order Desk at 403-716-3490 or e-mail us at info@altalis.com.