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OLDMAN RIVER REGION URBAN GIS PROJECT

Regional GIS Update

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2014 Update

2014 proved to be a very successful year for the ORRSC GIS Project as it saw the full release of the new GIS platform. The new platform comes equipped with many new functions and features of note, the first being the interoperability with any internet browser across any type of operating system which includes both desktop and mobile. Municipal users have taken advantage of many other features such as producing thematic maps, querying data, and saving/exporting layers. The GIS project has evolved from humble beginnings with 18 members to include 41 municipal members across the province and today's user has also evolved to the point where they need to leverage a GIS solution as an analytical tool instead of just a viewer. Now each municipality now has the power of a desktop GIS delivered through the security of the web. The new features are not limited to an improved toolset, as the GIS product has many additional functions, such as the ability to filter search results and layers based on individualized login credentials. For example, one department may need access to only a handful of layers, while other departments may need full access to all layers. By simply creating new login credentials that restrict access, a municipality can now feel more confident supplying the GIS to different departments or outside organizations such as engineers, and developers. In the same vein, municipalities can now provide GIS access to the public by restricting sensitive personal information. ORRSC GIS staff configures a new site and provides an HTML link to the municipality which they can imbed into their existing municipal site. A public

version of the GIS site has been on the wish list for a few years, and now each member has the ability to advertize their municipality to the world.

Another feature on everyone's wish list was the ability to edit attribute data contained within the GIS system, which was first introduced this year with the advent of cemetery edit forms. Cemetery information is one of a few pieces of information that comes directly from a municipality, so it only makes sense that a user be able to edit cemetery information directly into the GIS system. Cemetery edit forms have been set up for nearly every municipality with some more advanced than others. The editing functionality will progress to infrastructure assets in the new year as similar edit forms will be constructed to allow public works employees to edit information such as material, depth, status, and condition. The infrastructure editing will only prove to enhance each municipality's overall tangible capital asset information (TCA), and a TCA module has been developed in the new GIS system. This module allows users to easily view costing, amortization, and investment information which can then be exported into Excel or any other financial software to run further calculations.

2015 will continue to see further development of the GIS system, as the aforementioned public sites, editing forms and TCA modules will continue to be expanded. The GIS is perpetually garnering interest from a number of additional municipalities in the province. Today the number of members stands at 41, but that number may increase in 2015.

Partnering Municipalities

*Village of Alix
Village of Arrowwood
Village of Barnwell
Village of Barons
Village of Carmangay
Village of Champion
Village of Coutts
Village of Cowley
Village of Glenwood
Village of Hill Spring
Village of Lomond
Village of Milo
Village of Nobleford
Village of Rosemary
Village of Stirling
Village of Warner*

*Town of Bassano
Town of Bow Island
Town of Cardston
Town of Claresholm
Town of Coaldale
Town of Coalhurst
Town of Fort Macleod
Town of Granum
Town of Innisfail
Town of Magrath
Town of Milk River
Town of Nanton
Town of Olds
Town of Penhold
Town of Picture Butte
Town of Pincher Creek
Town of Raymond
Town of Rocky Mtn House
Town of Stavely
Town of Sundre
Town of Taber
Town of Vauxhall
Town of Vulcan
Municipality of Crowsnest Pass*

Cardston County

More GIS News

ORRSC GIS staff organized and hosted GIS Day 2014 in their conference facility. GIS Day brought together a vast array of 75 geospatial users from 25 different organizations. Presentations from 9 of these organizations ranged in topics from UAV collection of data to current precision agriculture practices.

There have been 10 training sessions on the new GIS delivered both virtually and in person. If anyone in your municipality needs additional training on the system, please contact ORRSC for a virtual session. Sessions can cover one or two aspects of the system as a whole.

Quick Tips

To measure an area of a parcel, simply right click, Measure, then click on a parcel.

Need to see integrated Google Street View? Tools, Map Display, Google.

Use the Global Search function to search all fields simultaneously.

GIS as seen in a mobile environment (Left),

