



INTEGRATED
CADASTRAL
INFORMATION
SOCIETY

MEMBER PROFILE



The Regional District of Central Kootenay or RDCK covers an area of 23,000 square kilometers and has a population of approximately 58,000 people. It extends from the headwaters of the Duncan River at the north to the international border at a point just south of Fruitvale and extends from the area east of Creston to the mountaintops west of the Arrow Lakes above Needles.

RDCK is one of 27 regional districts in the province of British Columbia. Regional districts were created to provide local government services and political accountability for people living in the unincorporated (rural) areas outside of municipal boundaries. Regional districts are also widely used to provide services and facilities for both municipal and non-municipal residents in a cooperative manner.

Tom Dool is a GIS Technician (Analyst) for the RDCK. He works with a team of three others in the Development Services department of the Regional District. The Geographic Information System (GIS) for the regional District forms the electronic foundation for the provision of land parcel based information and services. The data model in place allows staff at the Regional District to provide mapping and analysis functions which are specific to many Regional District services such as Land Use Planning, Building Inspection Services, Utility Services, Bylaw Enforcement, Administration, Engineering & Environmental Services, Property Information, Emergency Planning and Emergency Services (9-1-1).

The current GIS data for the area was based on old surveys – in some cases over 100 years old. Tom and his team wanted to improve the cadastral fabric for the area and had begun a process of updating the cadastral data three years earlier with the west arm of Kootenay Lake followed by Creston and the Creston Valley two

years ago. The next step was to work on The Village of Nakusp and the outlying areas.

RDCK and Nakusp teamed up and through their membership in ICIS acquired funding to finance their project through the Society's CivicSpatial Grant Program. CivicSpatial is a grant program designed to assist local government ICIS members improve their cadastral fabric.



The RDCK and Nakusp used the grant to hire Martin Newby Consulting to find the necessary survey evidence required to update their GIS data. This work resulted in the collection of sixty-seven survey control points. Martin Newby took the RDCK and Nakusp data and corrected it to match the survey evidence. "The improvement and accuracy of the data is very exciting to achieve," states Tom Dool. "This endeavor included over 7,000 parcels in Nakusp and the surrounding area. The result is that when tested, the data is within a meter in Nakusp and within 3-5 meters in the outlying areas. This result represents an excellent return on investment for both the regional district and Nakusp."

The improvement of the regional district's cadastral fabric is a long term project for the for RDCK GIS team. Next on the list is the collection of control data for the area that encompasses Nelson to Castlegar.



"This has been a truly collaborative process," says Tom Dool. "It's been very exciting to see the different stakeholders in this process, RDCK, Nakusp, the Province of BC, ICIS and Martin Newby Consulting work together to produce an outstanding result."

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