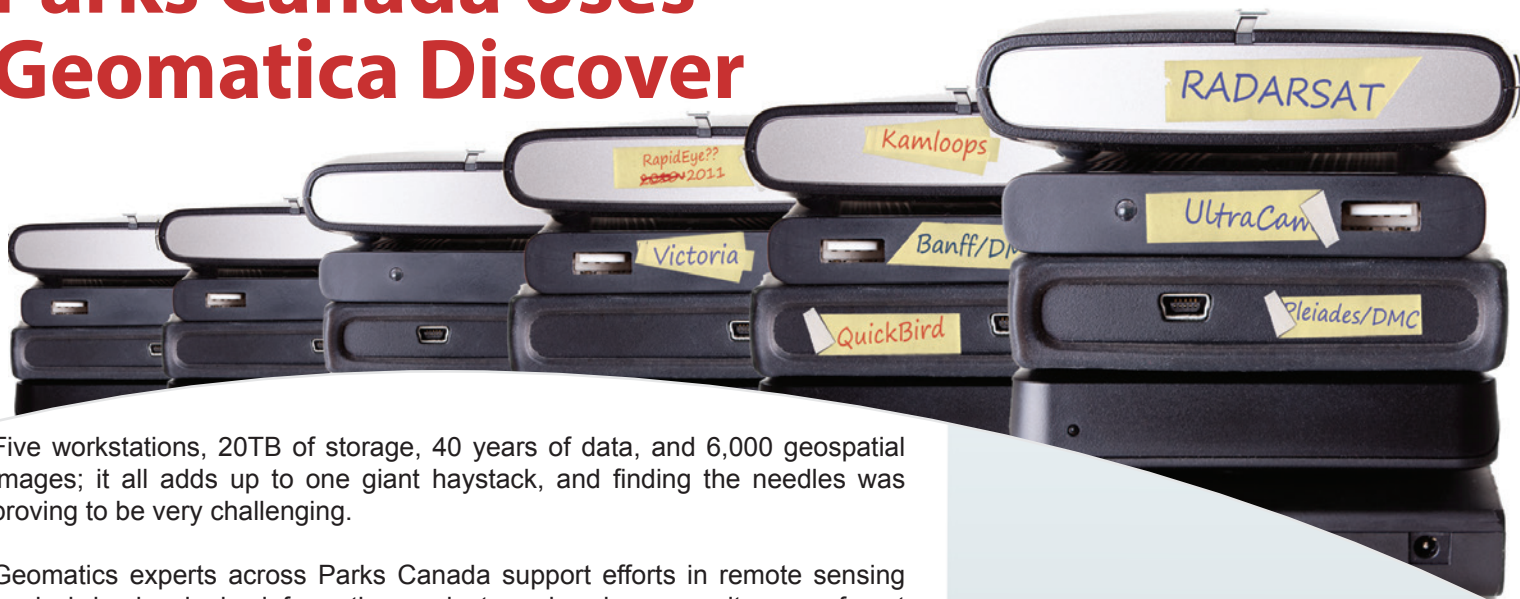


Parks Canada Uses Geomatica Discover



Five workstations, 20TB of storage, 40 years of data, and 6,000 geospatial images; it all adds up to one giant haystack, and finding the needles was proving to be very challenging.

Geomatics experts across Parks Canada support efforts in remote sensing analysis by developing information products such as burn severity maps, forest canopy analysis, moisture studies and more. Imagery has been collected and stored in a variety of locations and on many different media over the years. Remote Sensing specialists in this group, including Darrel Zell, play a key role in managing and distributing imagery across the agency.



Parks Canada researchers located across the country need to view what imagery is available across the department. Darrel Zell, who is located on Pender Island, BC (in the Gulf Islands) uses Geomatica Discover to index multi-source imagery to create an enterprise wide catalog of Parks Canada imagery.

Efficient Searching

Multi-source imagery is collected over large areas within Canada's parklands on a routine basis to support many different research projects.

Parks Canada's image repository consists of primarily Landsat imagery, but his group is also working with RADARSAT imagery and has recently started a project using UltraCam aerial images. The addition of new imagery from multiple sensors has introduced challenges in cataloging,

indexing, and sharing imagery across the organization - searching for suitable imagery is a time consuming process, which is taking away from valuable time conducting research.

"Given the volume and variety of new and archive imagery, we face real challenges when it comes to locating existing imagery in our repository," said Zell. "Discover allows us to do this by acting like a virtual librarian for the whole group."

What Zell is referring to is Geomatica Discover, a new standalone software tool that crawls local, system, external or cloud based drives to automatically create geospatial data catalogs. Discover uses a browser-based interface that allows for map based or advanced text based querying, so users can quickly and efficiently organize data holdings and speed up production work.

The Situation

A growing geospatial library was making data storage, cataloging, and organization a challenge for Parks Canada.

The Need

With a need to acquire and preserve increasingly large volumes of imagery, Remote Sensing Specialist, Darrel Zell needed a software solution that would help scientists find imagery quickly.

The Solution

Geomatica Discover locates imagery, imports metadata, and provides useable footprints to increase the real-world value and utility of large data holdings.

