Web-Based Solutions for Geoscience Data - MapPlace.ca

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BRITISH COLUMBIA — Ministry of Energy and Mines

Cal Data Ltd.   McElhanney   ROCKS TO RICHES

BRITISH COLUMBIA GEOLOGICAL SURVEY

Geofile 2004-4

100 Data Layers

Geology
- ☑ Bedrock Geology (1:5M, 1M, 250K)
- ☐ Map Indexes, Downloads, Legend
- ☐ Basin Outlines / Earthquakes
- ☐ Tectonic Plates & Faults
- ☐ Selected Detailed Maps (1:30K)
- ☐ Raster & AutoCAD Maps

Databases
- ☑ Mineral & Aggregate Potential
- ☐ Mineral Occurrences - MINFILE
- ☐ Assessment Reports - ARIS
- ☑ Regional Geochemistry - RGS
- ☐ Coal Assessment Reports, Boreholes
- ☐ Fisheries Data & Reports
- ☐ Birds & Mammals
- ☐ Aquifers in BC / Climate Stations

Tenure
- ☐ Crown Grant Raster (view & download)
- ☑ Mineral Tenure, link to Titles data (MIDA)
- ☐ Petroleum Tenure & PNG Wells
- ☐ Oil & Gas Pipelines / PNG Grid

Basemap
- ☐ Contours (1:1M to 1:20K), Bathymetry
- ☑ Rivers / Lakes / Glaciers (1:6M to 1:20K)
- ☐ Road / Rail (1:6M to 1:20K)
- ☐ Map Grids / UTM Grids / Gazetteer
- ☐ DEM Shaded Relief
- ☐ LandSat / Aeromag / Gravity

Administrative
- ☐ First Nations / Land Use Planning
- ☐ Parks / Forestry / Mining Regions
- ☐ Cities / Communities / Municipalities

Functions

- Link & Download Attribute Data
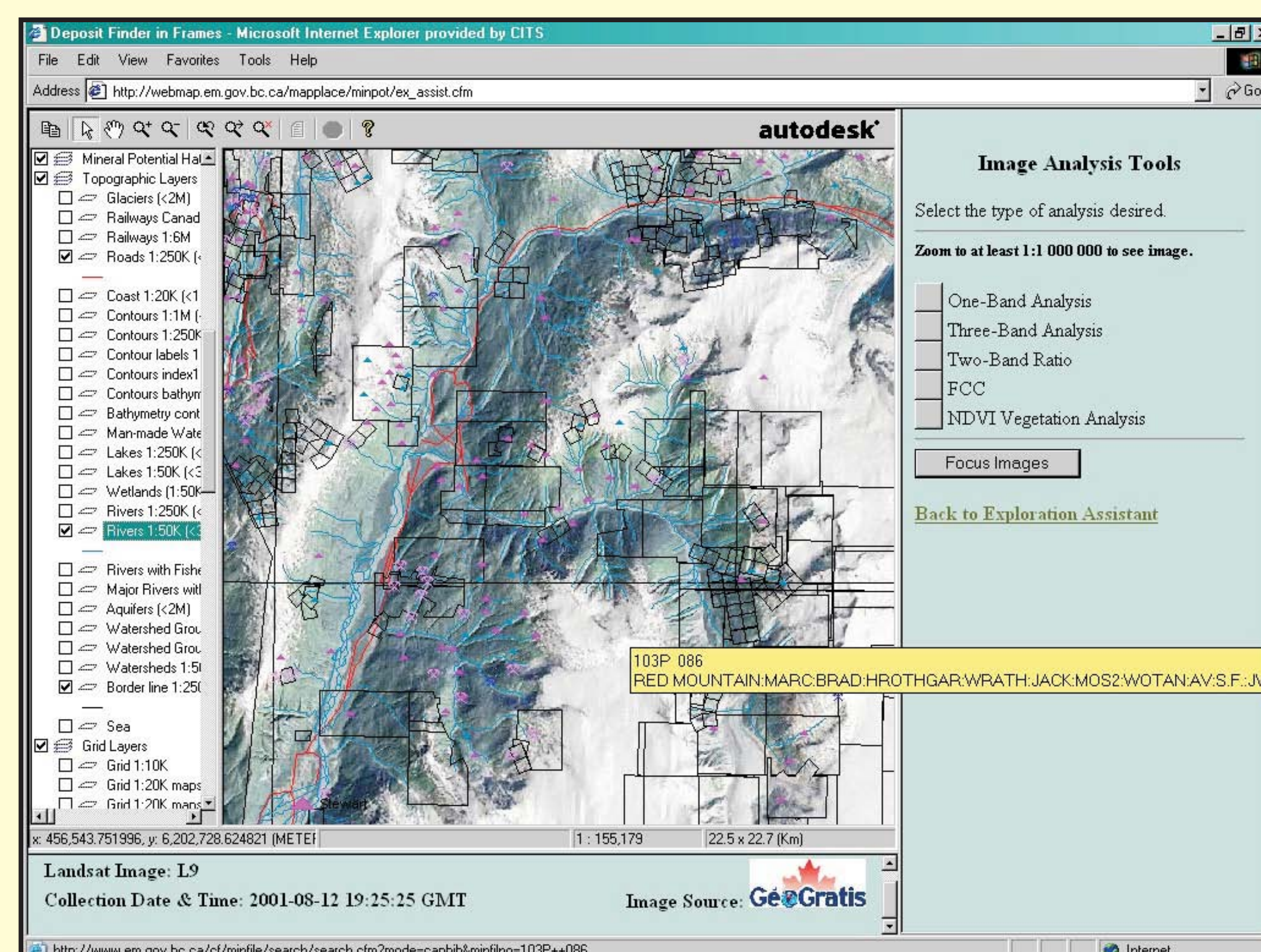- Zoom / Bookmark / Print to Scale
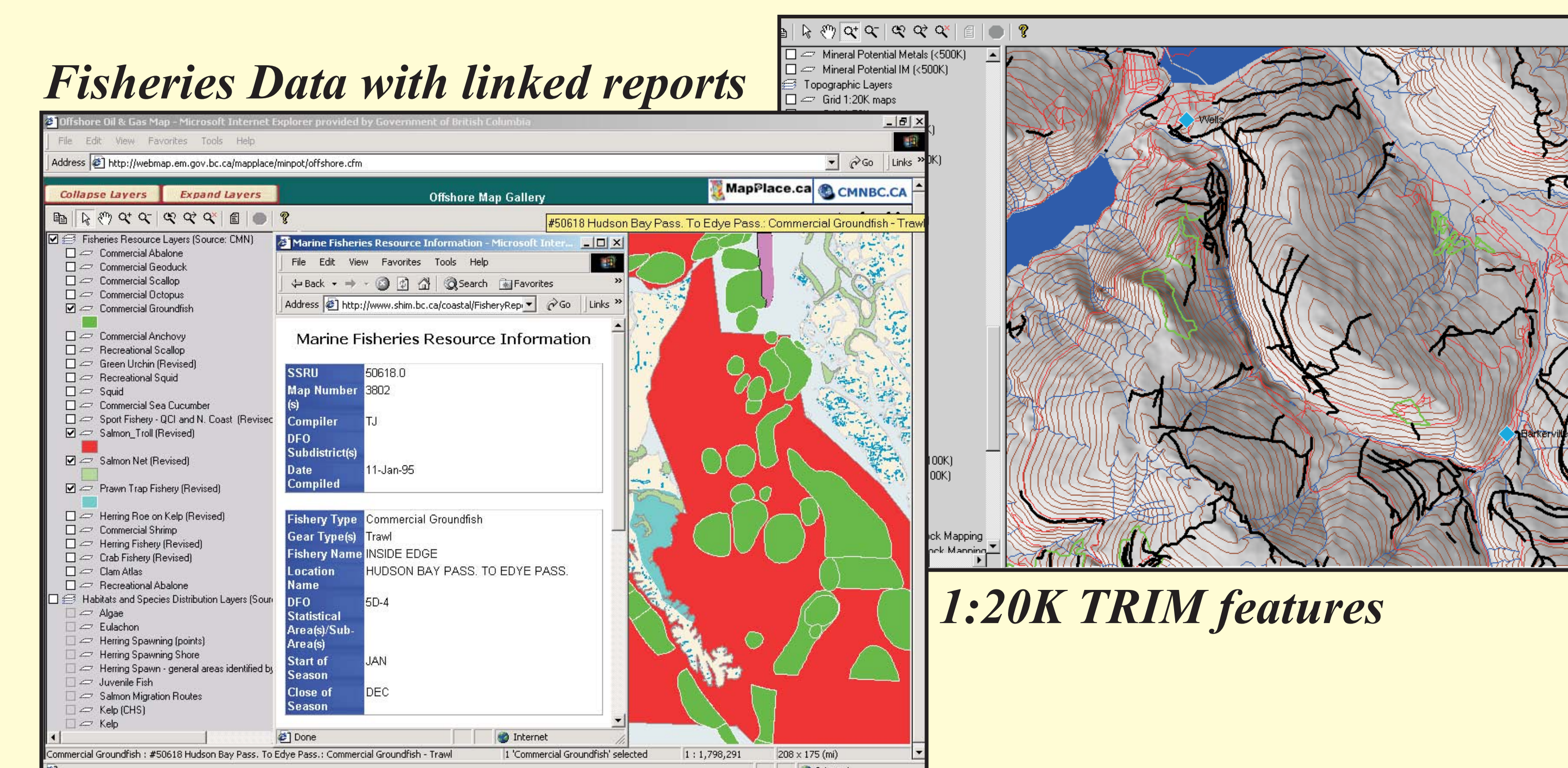- Select Objects within Polygons
- Input / Search / Report / Copy
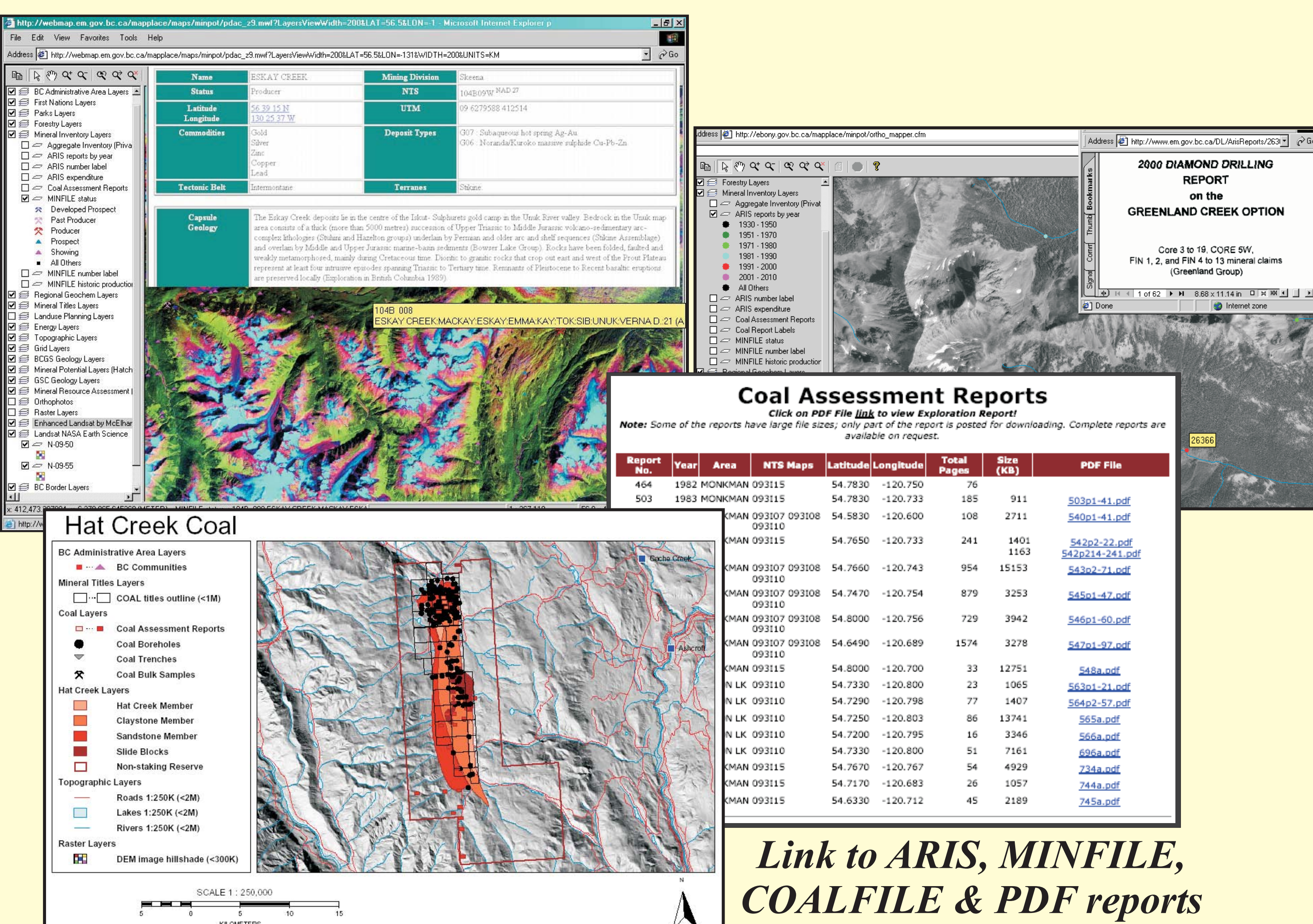- Buffers, Distance, Cursor Location
- Download Geospatial Data

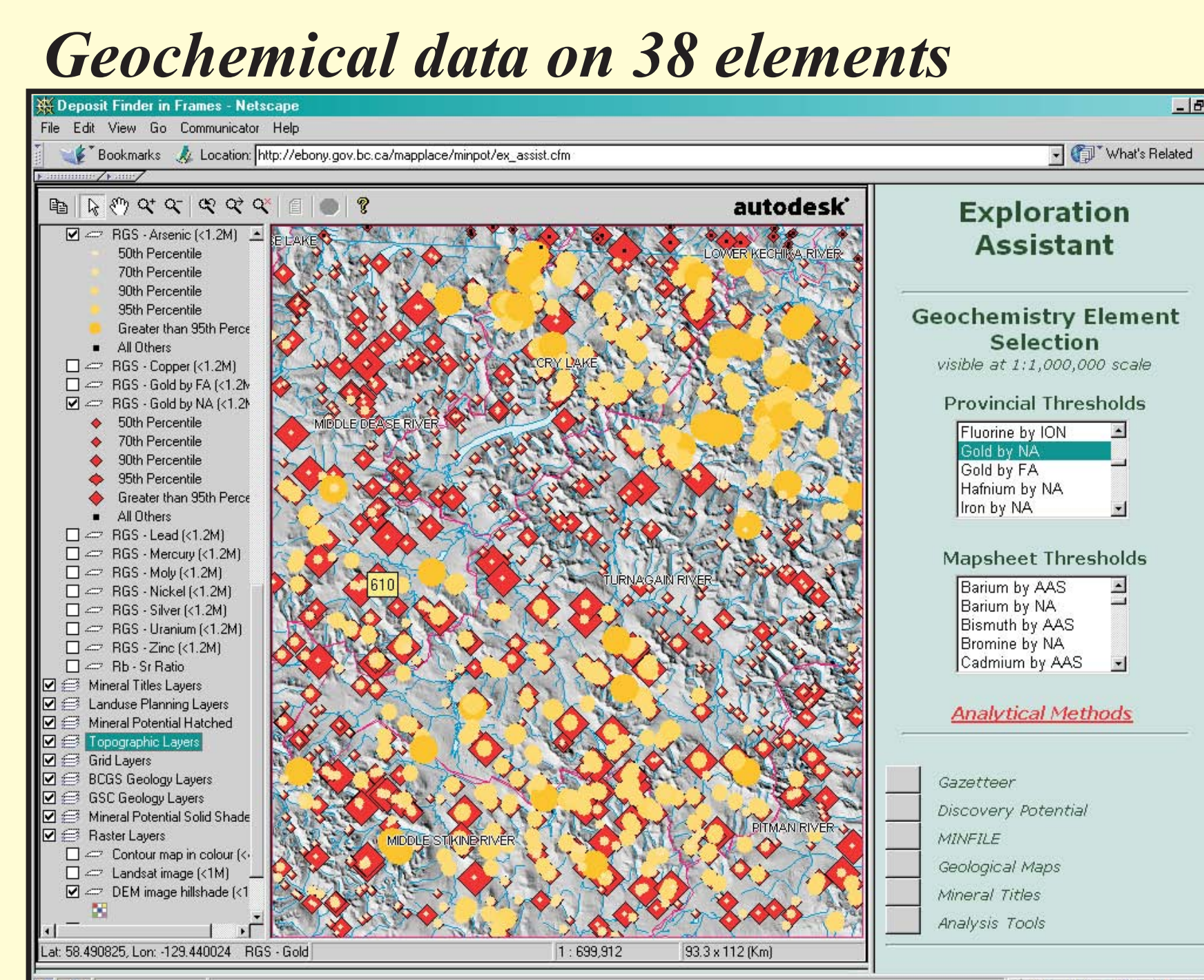## Create Interactive Maps & Reports; Access Comprehensive Geoscience Databases

Claims in the Stewart Area; example of the Image Analysis Tools

Geochemical data on 38 elements

Earthquakes, geophysics & faults

Geology at various scales
1:5,000,000
1:1,000,000
1:250,000

Fisheries Data with linked reports

1:20K TRIM features

New Grid Overlay Tool; create customized grids

Exploration Assistant

Pop-Up Menu
Accessed with right mouse button

Copy to other Graphic Package
Zoom-to Search Tool
Pan
Report on Selected Object
Cursor Position
Fly-out Attributes for Selected Features
Viewing Scale
Size of Map Window
Java Script Frame Provides Search Capabilities

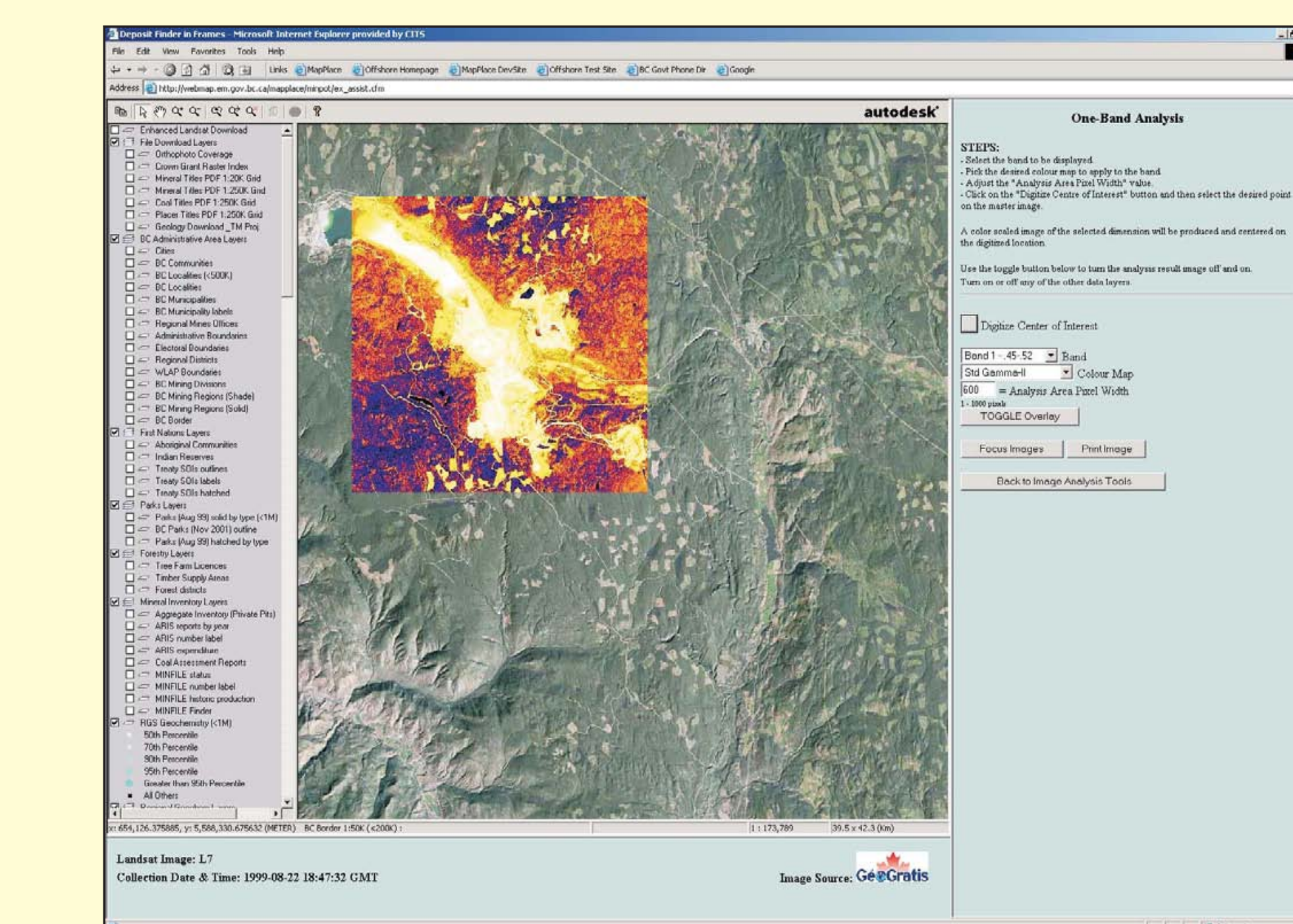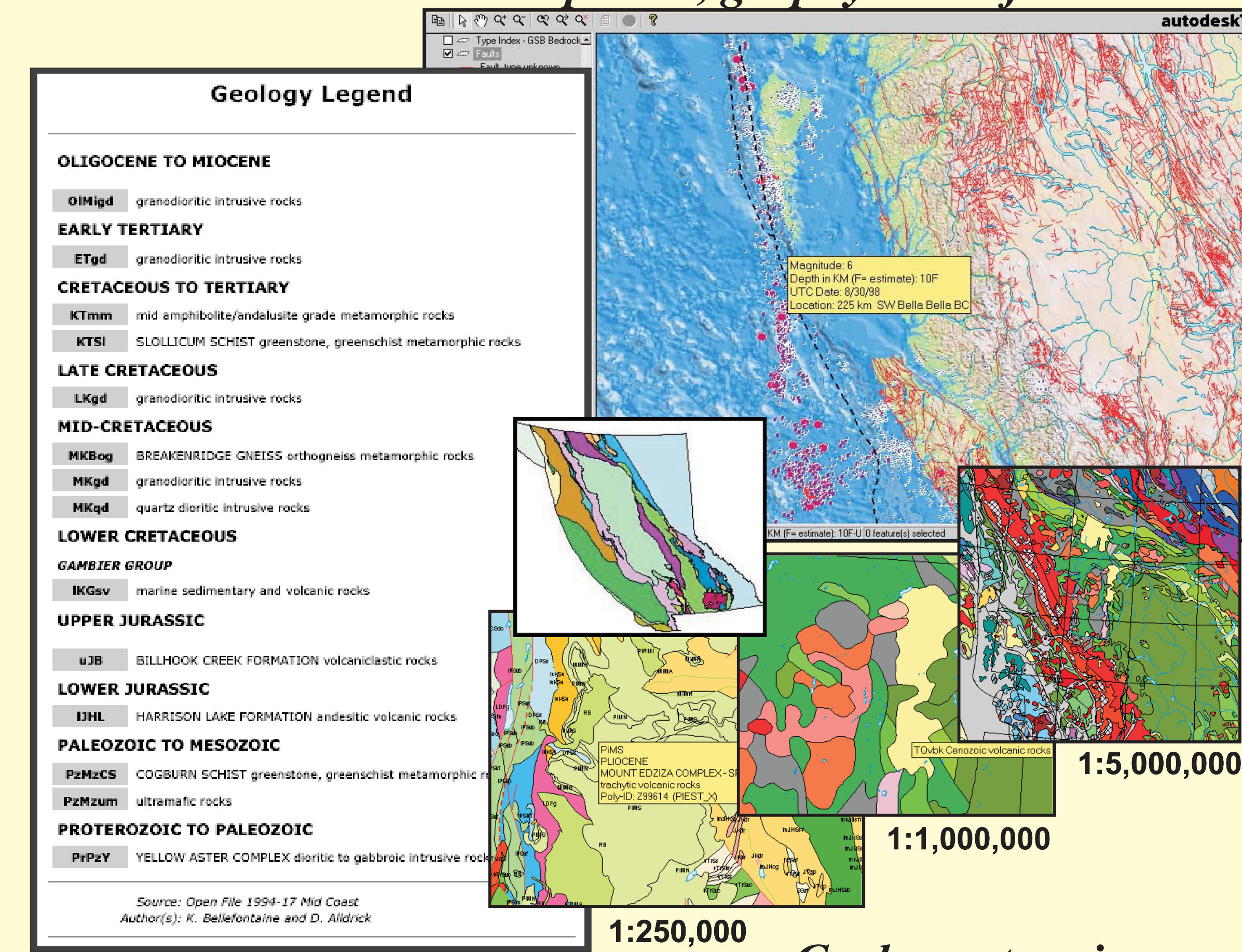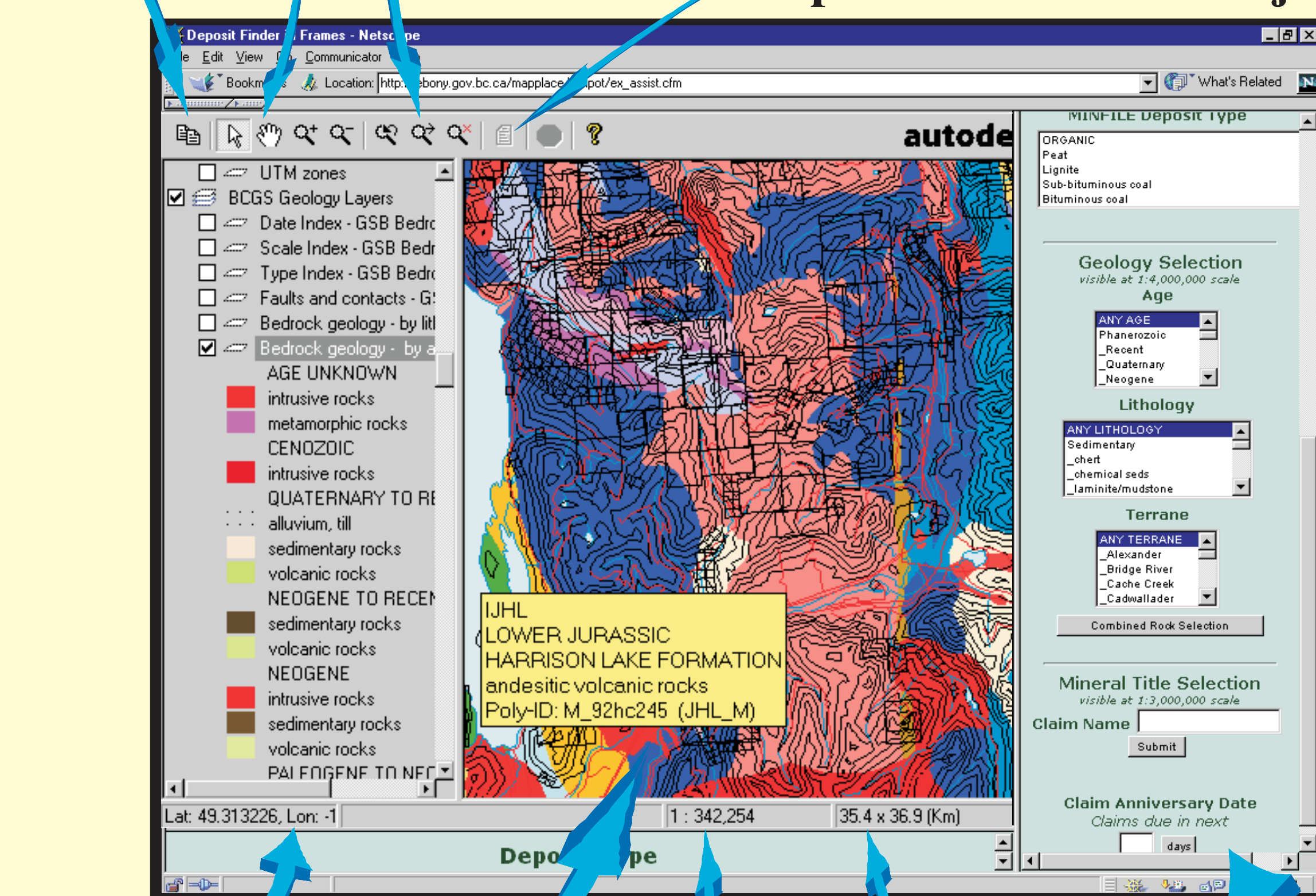*Image Analysis Tools: One-Band Analysis window illustrating all the major user input components. See Geological Fieldwork 2003 (p209-215)*

Link to ARIS, MINFILE, COALFILE & PDF reports

Full user's manual and on-line help available at www.mapplace.ca!

Ask About Our New "Mapper Wrapper" and About Taking the MapPlace into the Field!

FIND detailed information on geology, mineral occurrences, tenure, geochemistry, mineral potential, exploration reports, and many other datasets in a choice of over 20 maps.

DRAW lines, polygons, symbols and text on MapPlace maps.

ANALYZE discovery potential of deposits, geology by age and lithology, structure by enhanced imagery, anniversary dates of claims, and geochemistry by elements with the Exploration Assistant.

CREATE and PRINT customized maps using a large assortment of spatial layers.

The options are limitless!

New Interactive Map Features

Image Analysis Toolbox

To select an image click on it with the arrow cursor so it is highlighted

- Bring to Top
- Original Order
- Analyze Image
- Clear Selection
- Focus Image

Toggle Image Group Layers (on/off)
ASTER   LANDSAT   AVIRIS

Enhanced Landsat Download
Double click in red image outline

MAPPER TOOL

Layer Control

Active Layer Name: Drill Holes
Layer Priority: 99 (0 - 100)
Add/Change Layer

- Add Symbols
- Add Lines
- Add Polygons
- Add Text
- Erase Objects
- Save Map

Exploration Assistant

Tools
- Gazetteer
- Discovery Potential
- MINFILE
- Regional Geochemistry
- Geological Maps
- Mineral Titles
- Image Analysis Toolbox NEW
- Grid Overlay NEW

Grid Overlay

Coordinate System
- ○ Map Coordinate System (MCS?)
- ⦿ Latitude and Longitude

Tick Marks or Lines
- ⦿ Lines ○ Tick Marks

Line Labels
- ⦿ On ○ Off
Label Size 8000 M Get Default

Colour (1-256)
4 Colours

East-West Lines
Spacing(N): 5   South Line: 48
North-South Lines
Spacing(W): 1   West Line: -126

Get Grid Estimate
Build Grid
Clear Grid

Coming Soon

➤ Geochemistry Symbol Resizing
➤ Copy Maps with Scale Preservation
➤ Offline Map Viewing
➤ Reprojection of Raster Images
➤ for details see Geological Fieldwork 2003 (p217-218)

Acknowledgements & Data Sources

➤ Community Mapping Network
➤ Department of Fisheries and Oceans
➤ National Resources Canada
➤ Ministries of Sustainable Resource Management, Forests, and Water, Land & Air Protection