GREGORY GEOSCIENCE LIMITED

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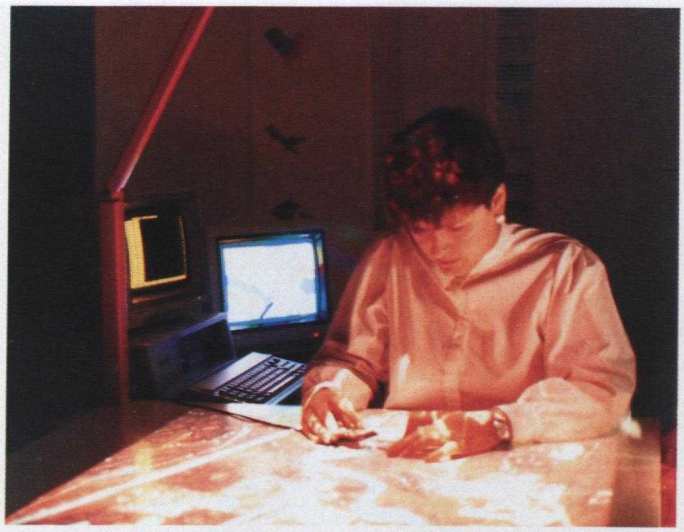

Canadian companies combine technologies for user convenience. Here Gregory's PROCOM-2 is linked with TYDAC's SPANS Spatial Analysis System.

Company background. Incorporated in 1973, Gregory Geoscience Limited specializes in analysis of remote sensing, correlative data and field observations; development of visual and digital techniques to meet specific needs for information; manufacture, sales and servicing of new instruments for image analysis (e.g., PROCOM-2); and the operation of a computerized system for retrieving information about techniques of remote sensing.

Experience. The staff of Gregory Geoscience Limited have a broad range of skills and experience in remote sensing, geology, geophysics and geography; land cover, agriculture, water and forests; mineral exploration; temperate, arid, tropical and Arctic regions; visual and automated interpretation; and digital analysis. Interpretive and/or field experience has been acquired in such diverse countries as Australia, Cameroun, Canada, Ethiopia, Kuwait, Nigeria, Panama, Sierra Leone and Venezuela. In particular, the company has mapped extensively from LANDSAT images for all geographic regions of Canada and has completed change detection and/or map revision for about 40 per cent of the country.

Services. Gregory Geoscience Limited provides services in these areas:

Mapping and monitoring — interpretive mapping using LANDSAT and collateral data; geological mapping and selection of exploration targets; monitoring snow and ice; mapping crops, forest fire damage, transportation networks and land use; detailed spatial analysis and modelling using in-house GIS.

User assistance — selection of remotely sensed data for client's use; literature searches; consultation, planning and training with respect to the use of remote sensing. General services are provided publicly through RESORS, a computerized information retrieval system that the company operates for the Canada Centre for Remote Sensing. Specialized services may be purchased from the company.

Research and development — feasibility studies; literature reviews; development of cost-effective techniques for deriving information; development of systems for image analysis and integration of collateral data.

Products. The PROCOM-2 is an economical optical transfer device designed to scan and enlarge one set of data and integrate it with a second data set. It will accept a broad variety of transparent data sets. This includes, but is not limited to, LANDSAT RBV, MSS and TM; NOAA; SPOT HRV; large format camera and metric camera space photos; low, medium and high altitude air photos; 35 and 70 mm slides; airborne and spaceborne SAR; SLAR; X-rays, microscope slides and thin sections. The system has gained wide acceptance as a practical tool for resource mapping.

The Spatial Analysis System (SPANS*) is a microcomputer-based geographic information system (GIS) for visually and numerically displaying the target environment, exploring relationships among spatial data sets, identifying locations that meet specified criteria, making spatial trade-off decisions, and estimating impacts through predictive modelling.

Training. The company offers courses on the various aspects of remote sensing and its applications. Courses are tailored to the requirements of the client.

*SPANS is a product of TYDAC Technologies Inc., Ottawa.

Applications of PROCOM-2 are limited only by the operator's imagination.