

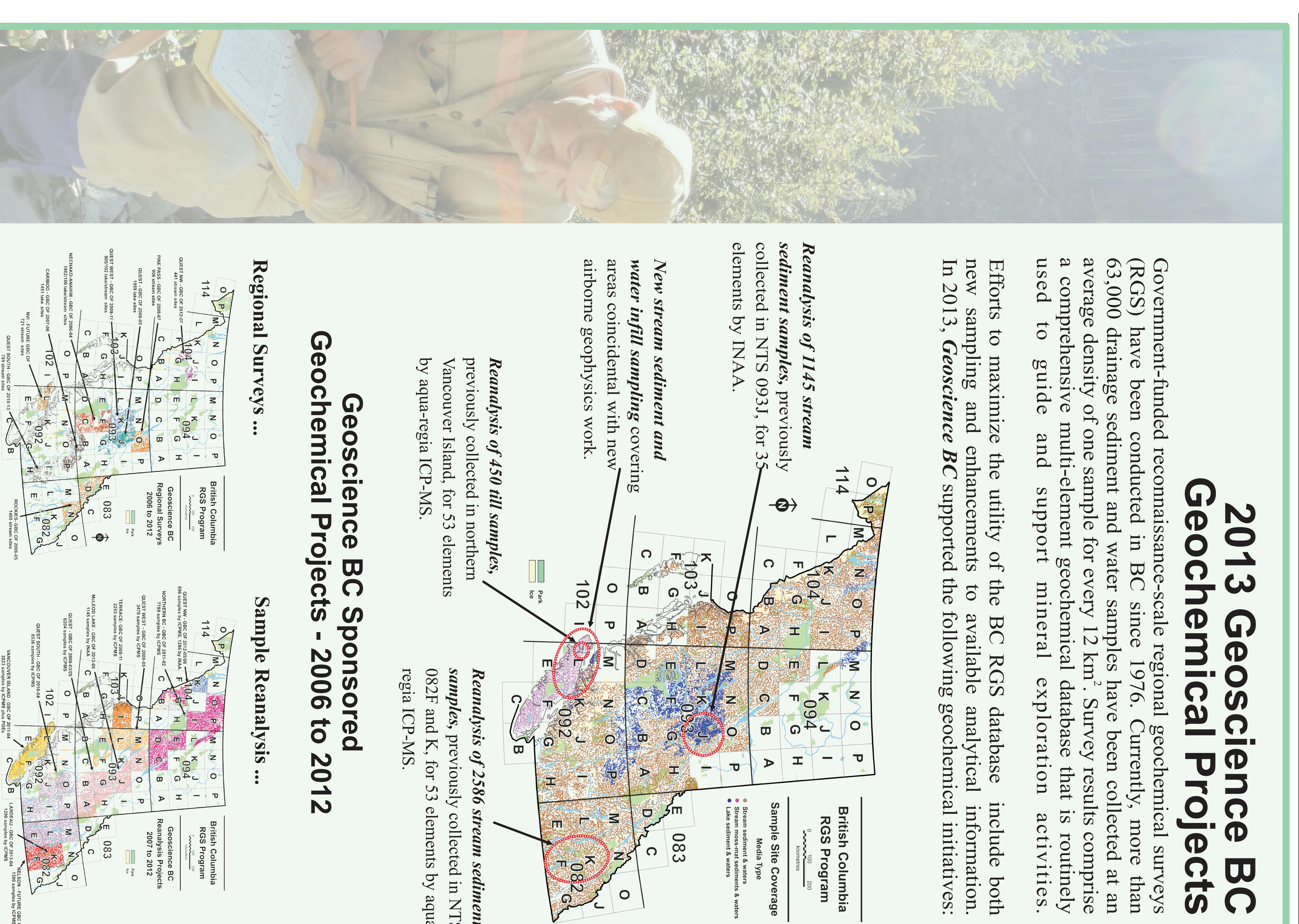
Updating the British Columbia Regional Geochemical Survey database with new field survey and sample reanalysis data to support mineral exploration

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2013 Geoscience BC Geochemical Projects

Government-funded reconnaissance-scale regional geochemical surveys (RGS) have been conducted in BC since 1976. Currently, more than 63,000 drainage sediment and water samples have been collected at an average density of one sample for every 12 km². Survey results comprise a comprehensive multi-element geochemical database that is routinely used to guide and support mineral exploration activities.

Efforts to maximize the utility of the BC RGS database include both new sampling and enhancements to available analytical information. In 2013, **Geoscience BC** supported the following geochemical initiatives:



10,833

SAMPLES COLLECTED

34,868

SAMPLES REANALYZED

RGS Sample Reanalysis

The reanalysis of archived sediment samples has been sponsored by Geoscience BC since 2007. These programs have significantly enhanced the BC RGS database by providing a wide range of new analytical information at improved detection levels.

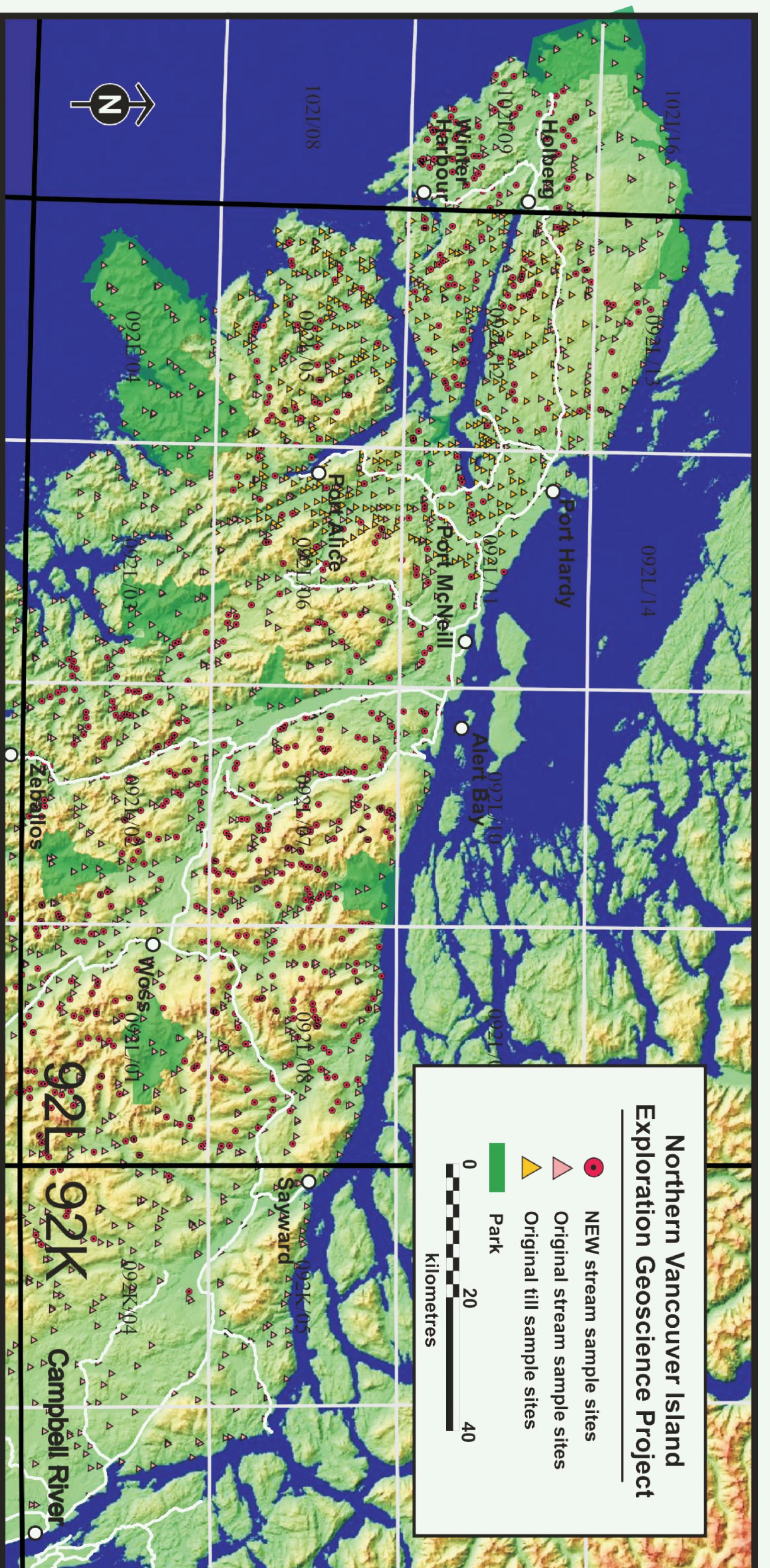
NEW DATA AVAILABLE

ROUNDUP 2013

Geoscience BC Report 2013-04

Lardeau (NTS 082K):
1224 samples by ultra-trace aqua-regia digestion (0.5 g) ICP-MS technique

for 53 elements.

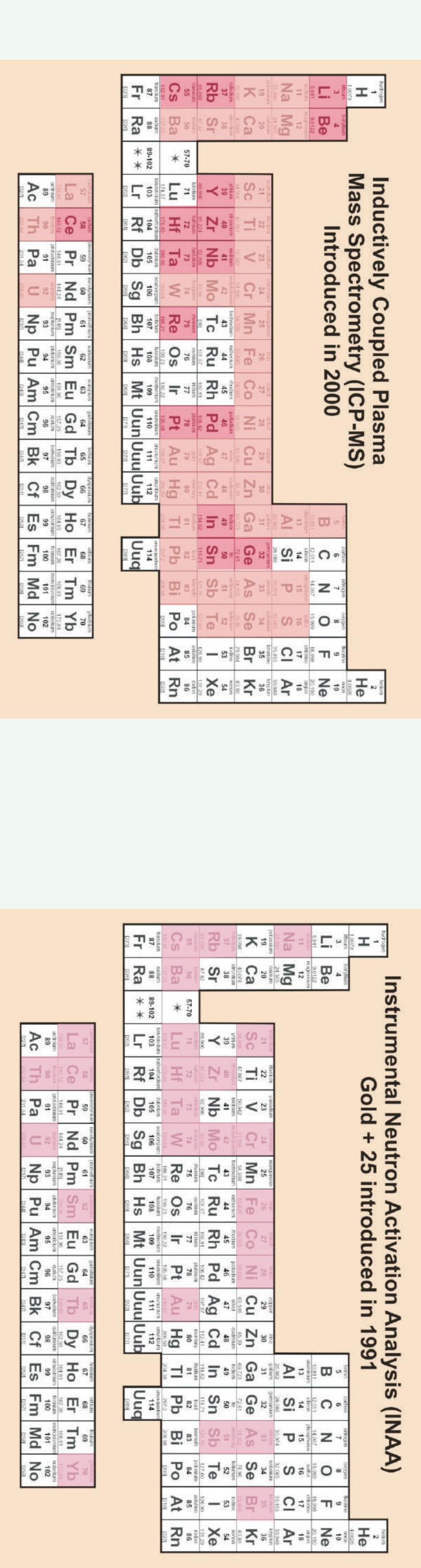


NVI - Till Sample Reanalysis

Stream-based sample collection was carried out in the summer of 2012. Moss-mat sediment and water samples were acquired from over 700 sites. The sediment samples have been analyzed for base and precious metals, pathfinder elements and rare earths by an ultra-trace aqua-regia digestion ICP-MS package and INAA. Waters have been analyzed for pH, conductivity and fluoride.

ISLAND COASTAL ECONOMIC TRUST

To further augment NVI's geochemical database, till samples collected in the 1990s as part of the northern Vancouver Island drift prospecting program were recovered from storage and a portion of each sample as been recovered for analysis by an ultra-trace aqua-regia digestion ICP-MS package for 53 elements.



Acknowledgments

- Island Coastal Economic Trust.
- E. Jackaman, S. Reichheld, J. Dimock, J. Constable and B. Elder (Noble Exploration Services Ltd.).
- A. Rukhlov (BC Geological Survey).
- The many services in the communities of Holberg, Port Alice, Port Hardy, Port McNeill, Sayward, Winter Harbour, Woss and Zeballos.
- ALS Canada Ltd. Bécquerel Laboratories Inc. and Acme Analytical Laboratories Ltd.

Northern Vancouver Island Exploration Geoscience Project

The 2012 NVI project includes new stream based sampling plus the reanalysis of till samples. The work will generate new geochemical information that will stimulate mineral exploration in the region and compliment other components of the initiative such as a high-resolution airborne geophysical survey as well as earlier geochemical survey work and geological mapping. Survey results will be available in spring 2013.

