

GEOLOGICAL SURVEY BRANCH  
PROJECT IDENTIFICATION PLAN 2000/2001

SCOTIA  
887404

Nov. '00

TITLE: MID-COAST VMS PROJECT

Project Details

4. Performance Measures (specific results that show extent of work, impact of project and utilization of products; for example, hectares mapped, students employed, client inquiries, claims staked, workshop attendance)

TLC Briefing pkg.

Relevant performance measures include:

Advances in geologic understanding:

- Comprehensive (complete) acquisition of reports & maps from 3 mining/exploration companies. Within these 3 file drawers of "new" materials is an excellent unnamed, unattributed, industry geological map (circa 1952) covering the entire belt at a scale of 1 inch = 2 miles or 1:126,720.
- We acquired data for 7 minor mineral prospects not previously in the government records (MINFILE), and we corrected the incorrectly plotted locations of most mineral occurrences (one was mis-positioned by 10 km!).
- Established that the **Scotia deposit** is hosted within a metavolcanic roof pendant wholly within the Ecstall pluton, and separate from the main Ecstall greenstone belt.
- Reinterpreted the structure (fold plunge) near the **Packsack deposit**, revealing less-than-optimum drillhole positions
- Traced extent of the coeval sub-volcanic stock to within 1 km of the **Ecstall deposit**.
- Sampled pyritic mafic plutonic complex (displaying cumulate layering) for **PGEs**
- Sampled the three main deposits of the region to test **selenium** concentrations, for comparison with Yukon-Tanana VMS deposits
- Identified lithologies as disparate as: (good, unequivocal) pillow lava and pillow breccias; anthophyllite gneiss; two large (thick) intervals of fine-grained dacite (local felsic domes?) outlined.

Area hoped to map:	300 sq. km.
Area planned to map:	250 sq. km.
Area mapped:	200 sq. km.
Number of traverses:	27 (31 planned)
Number of stations:	381

continued in 2001