

**Lefebure, Dave EM:EX**

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**From:** Lane, Bob EM:EX  
**Sent:** Friday, March 31, 2000 9:57 AM  
**To:** Mike Cathro; Paul Wilton; Paul Wojdak; Robert Pinsent; Dave Lefebure; Derek Brown; Gib McArthur; Larry Jones; Ron Smyth; Tom Schroeter  
**Subject:** Lane Weekly Report

Lane Weekly Report for: Mar. 20 - 31, 2000

**Exploration Activity:**

**Mount Polley.** Visited on March 16. Imperial Metals has completed 10 exploration diamond drill holes (of a planned 16-hole, approx. 3200-metre program) immediately south of the Cariboo pit. Targets included the C-2 zone (7 holes), the 207 zone to the east of C-2 (1 hole) and the southern edge of the Cariboo pit. Each area has implications for future expansion of the southern limit of the Cariboo pit. The C-2 zone is taking shape; it has a strike length of at least 200 metres and is up to 70 metres across; its western side is limited by the Polley fault and its northern and southern extensions are offset by late east-trending brittle structures; disseminated and fracture-controlled chalcopyrite and uncommon bornite occur in hydrothermally altered intrusion breccia with abundant secondary K-feldspar, actinolite and magnetite. At least one or two of the remaining six holes will test the down-dip continuity of the zone. Success will likely result in an expanded drill program and possible development in 2000. The C-2 zone is a high priority because it crosses the currently used haul road to the Cariboo pit; development of C-2 would coincide with the lowering of the haul road to the pit.

**Cariboo Gold Quartz.** Visited the site on March 27 (with KM and BMcG) following rumours of a new high grade gold discovery and a company news release that confirmed the rumours. Examined core from several BQ holes that have been drilled into and through the BC vein east of the BC Shaft (and east of last years drilling). At the time of the visit 13 ddh had been completed and hole BC-2K-14 had begun.

The intent of the drill program was to test the extension of the BC vein in an area for which there is little information. The earliest holes of the program either missed the target or were stopped after reaching their target, but before penetrating much of the footwall rocks. Hole BC-2K-8 encountered pyrite-rich material in the immediate footwall of the vein. Assays for sludges and core were reported for with hole BC-2K- 8 with the best core assay grading 14.36 g/t Au over 5.7 metres. Recognition of this high grade material (assisted by some quick-turnaround sludge assays!) resulted in deeper step-out holes. Holes 9, 10, 12 and 13 also penetrated the footwall zone. The zone currently has a strike minimum strike length of 400 feet. Core splitting and assaying has not been completed for holes 9-13, but results are expected by next week. Additional drilling, on 200 ft. step-outs, is planned.

Assays from 2000 drilling show the BC vein itself to be weakly mineralized. High grade mineralization occurs in the footwall of the vein, in tan talcose sericite-quartz schists where sericite is locally >80%. Weak to moderate Fe-carbonate alteration is pervasive with traces of mariposite-fuchsite. Pyrite is the only visible sulphide (although As-ICP is locally highly anomalous); it occurs as fine to med.-grained semimassive to massive bands up to 1.2 metres wide within the sericite-rich footwall rocks that typically contain between 3 to 8% pyrite; sericite phyllites are interbedded with graphitic phyllites, but the latter carry significantly less pyrite, most of which is porphyroblastic, and are not auriferous. Hangingwall rocks are distinctive and therefore are a good marker—they are characterized by quartz-sericite schists that contain 2 to 3% disseminated magnetite grains and <1% disseminated pyrite.

Core recovery in the footwall is generally >90%, despite small core size (BQ); two 38s are being rebuilt onsite, one of which will be used to drill larger diameter core (hopefully H). The other will be used to conduct infill drilling on the Sanders zone, an area that the company has proposed to develop using open pit mining methods.

**Other News:**

**Minerals North.** Despite announced closure of Quintette Minerals North Conference is moving full steam ahead with no significant changes. Letter to Joan Hesketh soliciting monetary support for Minerals North meeting led to provision of a \$1000 grant toward the Tumbler Ridge-hosted conference.

**Exploration and Mining in British Columbia - 1999.** Review of final printer's proof completed and printing underway. Too many software glitches to list (resulting in higher than normal design charges!). In the end the volume still "looks marvelous"!

Final proofs sent to Fred and Kerry Readshaw (Communications).

Volume will be listed on the GSBs upcoming publication release (thanks to Brian Grant) and will be made available on the web in full later in the spring

**Prospector Training Courses.** Lots of interest! Pre-registration for a weekend placer course to be held in Prince George on

May 13-14 now totals 9; pre-registration for the week long Basic Prospecting course, starting April 24 in Prince George, totals 20!

**CIM Annual Spring Meeting.** Planning for the May 26-27 meeting in Williams Lake continues.

Bob.