



Province of
British Columbia

Ministry of Employment
and Investment

MEMORANDUM

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June 1996 Monthly Report
for the
Northeast-Central Region
by
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Geological Survey Branch
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HIGHLIGHTS:

Mount Polley. Mill and mine construction is full steam ahead. First concrete was poured at the minesite on June 19. A crew of over 60 construction personnel is on site and progress is well underway on road building, filling and leveling of the mill yard, stripping of ore stockpile area, waste dump and tailings/water reclamation sites, as well as the delivery of pipeline and milling machinery.

Presented talk in Tumbler Ridge to coal group on "Mining and Exploration Summary '95 and Preview '96" as part of Barry Ryan/Dave Lefebure tour of coal mining areas in the province.

FIELD ACTIVITIES

Redgold
Redgold. On June 5, Steve Robertson, Project Geologist with Imperial Metals, provided me with an excellent tour of the Redgold property. The property, operated by Imperial Metals under option from Eastfield Resources, is located in the Cariboo, between Mitchell Bay (Quesnel Lake) and Shiko Lake. It is one-half hour north of Horsefly along the Mitchell Bay forestry road. Past exploration focused mainly on 'QR-type' propylite gold mineralization (Redgold zone), but the current program is targeting porphyry Au-Cu mineralization hosted by the Early Jurassic alkalic Shiko Lake stock (Cracker Quarry zone). Mineralization occurs in syenitic, monzonitic and dioritic intrusive phases. The syenite was being quarried (and crushed), as recently as last year, by Quarry Pacific Industries for its use as an exposed aggregate product and the operators must have noticed a green stain on some of the material! Quarry Pacific has filed a NoW to operate the quarry this year, although their lease agreement with Eastfield has apparently expired.

The exposure is less than 1000 m² and the intrusion appears to be composed of a core of monzonite flanked by syenite, at least on the north and south sides, and intruded by small irregular dioritic bodies. Fracture-controlled and disseminated chalcopyrite, bornite and pyrite, totaling up to 3% locally, occurs in all three phases of the intrusion. Mineralization is spotty and sparse, and a preferred orientation was not evident, although Imperial oriented their saw-cut channel samples, spaced at 3-metre intervals, and trenches, at about 160/.

Ten of 13 trenches reached bedrock and were sampled. The trenching program exposed a 10 to 20 cm thick impervious clay-rich layer (glacio-lacustrine) over top of till that might very well prevent the development of a Au and or Cu soil geochemistry anomaly. Imperial is testing the application of biogeochemistry (using the most recent growth on Noble Fir species). The company also plans to drill 4 - 6 diamond holes later in the summer.

Alteration consists of zones secondary K-feldspar that are difficult to identify due the primary pink colouration of the host rock.