

Lorraine (Cu, Au), Dorothy (Cu, Au) Kennecott Canada. (B.P. Resources Canada has much of the adjacent ground). We toured over part of the Lorraine ground with Sandra Bishop, and accompanied by several geologists from BP. We saw the spectacular malachite-stained cliffs and talus which attracted prospectors to the property and engaged in discussions as to whether the wide spread amphibolites associated with the syenite host were in fact founded Takla volcanics. Sandra stated that the published grade and tonnage for the Lorraine were somewhat speculative, and there was no real basis for the reported gold grade. The Dorothy, to my mind, was more attractive; it was drilling in 1948 (4 holes) and one intersected 359 feet of 0.48% Cu in altered diorite. Last year, IP done to delimit the mineralized system discovered a new and much larger system to the south, with mineralized outcrop. A small program of drilling is planned on each property.

Cat (Au, Cu) BP Resources Canada. We looked at the core from this year's drilling. Neil Humphreys brought us up to date. There was little to be encouraged about and I do not expect BP will be back on this property next year. A prominent magnetic high south east of Cat Mt. yielded disseminated pyrite and magnetite, and an area of geochem and IP anomalies to the east was underlain by pyritic tuffs and tuffaceous sediments.

Beveley (Pb,Zn,Ag) Cominco and some junior companies have taken a renewed interest in this area. Base metal sulphides occur with minor barite in veins hosted by Paleozoic limestones and dolomite. We examined several old trenches and an area of jarosite and scorodite staining that Filippo Ferri said was the site of a highgrading operation in gold-arsenopyrite bearing ore. If true, the operators did a thorough job, as there was little mineralization to be found.

Porphyry Creek (Cu,Au) Teck Corp. We joined Lynn Grexton on a traverse in the Croydon Creek Valley and an aerial tour of the property. The area has a long history of exploration by no less than 11 companies, including a small mining operation (Croydon Mine) and some underground exploration. Teck is concentrating its efforts in two areas - to the SW, where there are a number of plutons and some early drilling with results now considered encouraging, and to the NE, where a gossanous belt marks a major NW trending structure with attractive IP and geochem targets. This is a large property with mostly helicopter access and is proving expensive to explore. Teck will have just 6 holes drilled after two seasons and more than \$700,000 spent.

Osilinka Quarry (rip-rap). A quarry on the Osilinka F.S. road used for coarse rip-rap was visited. The material is a medium to fine grained marble. Veinlets of a sulphide mixture, mostly boulangerite or jamesonite with minor bornite, chalcopyrite and stibnite, were found in some of the broken rock.

Fish Lake (Au, Cu) Taseko Mines. Nadia Caira brought us up to date. Taseko's plan is simple: drill 9 deep holes in an E-W and N-S fence at 100m spacing using a large diameter drill, delimit the deposit, provide core samples for grade and lab-scale metallurgical tests, establish an up-to-date grade and tonnage figure and sell to the highest bidder. Five Majors are reported to be following the progress closely. The host is a fairly uniformly sericitized tonalite of quartz diorite with minor porphyries and intrusion breccias. Minor quartz flooding and quartz veining, often

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DB Report - Faulkner

PORPHYRY
CREEK

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LK.
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