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Geological Survey Branch
MEMPR

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by

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HIGHLIGHTS

***Huckleberry** production decision finally completed on June 6 with a partnership of Japanese companies paying U.S. \$10 000 000 for 40% of Huckleberry Mines Ltd. Construction underway despite drop in copper price.

FIELD ACTIVITIES

* **Bronson Slope** project of International Skyline visited on June 12-13 with David Yeagher and site geologist Alan Weston. A 6-hole "definition" drill program is underway on an estimated mineable resource of 56 728 000 tonnes grading 0.545 g/t Au, 2.4 g/t Ag and 0.18% Cu. About 16 of 40 holes drilled on Bronson Slope are used to calculate this resource, other holes are outside the deposit. We looked at surface outcrop and core from a 1995 hole. The Red Bluff stock is a northwest striking tabular to dike shaped body that dips into the steep to precipitous slope above Bronson Creek. The stock is 250 metres wide, extends 2 km parallel to Bronson Creek with Snip 130 portal near its northwest end and dips southwest into the hillside. The gold-copper deposit occurs in a quartz-magnetite stockwork and breccia that has completely replaced the central area of the stock, and within overlying biotite hornfelsed greywacke. Pyrite veinlets and fractures containing minor chalcopyrite cut quartz-magnetite and hornfels. The quartz-magnetite zone forms a 55° cliff face measuring about 500 metres long by 250 metres high. Most drilling has been done from above the cliffs with holes collared in the hornfels and angled down slope. No surface mapping or sampling of the deposit has been done by International Skyline and none is planned (Skyline plans to conduct geotechnical mapping of the cliff face later this year.) A surface geology map has been extrapolated from the 50-100 metres spaced drill holes and, although mapping and sampling on the cliffs would require mountaineers on ropes, we were able to examine outcrop above the cliffs within the projected ore zone that could provide useful data. Upper sedimentary rocks comprise well foliated chlorite-sericite-(biotite) wackes that contain some calcite. Within 100 metres of the stock these give way abruptly to more massive biotite hornfels, darker in colour and containing minor chalcopyrite. The mineralized zone extends about 100 metres into the quartz-magnetite stockwork beyond which the quartz-magnetite is sub ore-grade. Typical magnetite content is about 10-15%. Dave Rhys reports that magnetite is intergrown with hematite at a ratio of 3:1 which may well deter its use to wash coal which requires high purity product. Although low grade, copper and gold values are surprisingly uniform. Copper grades are slightly higher in the hornfels and gold is higher in quartz-magnetite suggesting that gold may occur in magnetite and not only in chalcopyrite. High recoveries of 90% gold and 90% copper in a 24% Cu concentrate are projected from preliminary testing. Molybdenite

Bronson Slope

Bronson Slope
104B/10, 11
104B077

BRONSON
Area

3) The "Bronson Option" claims are between Snip and Skyline minesites and cover the southeast strike projection of the Twin Vein. Cominco has completed geochem/UTEM/geology surveys. Value of the UTEM survey is in doubt because orientation surveys conducted this year have shown that the Twin Vein responds very weakly to EM or UTEM, and not at all to IP. (Lack of response to EM is surprising considering the Twin Vein includes massive sulphide.) An 800 meter drill program is about to begin to test a variety of targets.