

CLONE
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previously explored as porphyry Cu-Mo targets but are being reconsidered as structurally controlled gold associated with silica-carbonate alteration.

COP
* **Cop** (104J 035) exploration project by Erin Ventures located northwest of Telegraph Creek visited on Aug 10 with Daryl Hanson. This is an alkalic porphyry Cu-Au target within a satellite diorite of the Triassic Kaketsa pluton and Stuhini andesite. The property has an extensive history of geophysics and trenching but little drilling. Copper mineralization in a trench excavated in 1977 assayed 0.41% Cu with 0.01-.02 opt Au over 179 m. The present program is to drill VLF-EM anomalies 700 metres southeast, apparently targeting a better grade vein or shear structure rather than the porphyry zone which has significant untested potential. The program is technically inept (40 ft of core in 3 weeks) and unlikely to be completed.

BAM
* **Bam** (104G 110) drill program by Discovery Consultants (for Everest Resources) near the head of Mess Creek was visited on Aug 11 with Daryl Hanson. Maggie Dittrick is site geologist. The target is gold in silica-carbonate altered shears near the east margin of the Triassic-Jurassic Hickman batholith, where it intrudes Stikine Assemblage intermediate tuff and tuffaceous sediments. Green mica was noted in the core. Promising gold values were encountered from trenching by Chevron in 1986 (AR 15 827) but drilling by Radcliff Resources in 1987 (AR 17 570) was disappointing. The current program comprises seven holes spaced 50 m apart on two shears, one at 030° and the other at 070°. (These are projected to intersect immediately south of previous drilling- perhaps a better target). The proposed hole layout appears to duplicate the area drilled by Radcliff so that the objective is not clear.

ESKAY CK.
* **Eskay Creek** (104B 008) was visited on Aug 16 with Dave Lefebure, Chris Ash, Dani Alldrick and Tom Schroeter. We were only able to visit 8-stope. A round of ore was recently lost in 6-stope due to a fall of ground from a fault oblique to the stope. Mine cut off stated to be 15 g/t Au (versus 20 g/t, broken and 30 g/t in-situ stated in March). There is a small stockpile of 10-15 g/t material at Albino Lake. Exploration drilling on the NEX and HW zone continues with 3 machines (10,000 m completed so far). Percy Pacor showed us core and suggested this program will double last year's 206,000 tonnes of 56 g/t gold equivalent. Mercury content of NEX is only 30-40 ppm, much lower than 21B ore which must be blended to achieve 1,000 ppm. Small-scale reverse faults are indicated by the drilling and may be related to convergence of the Pumphouse/ Pathfinder and Andesite Creek faults.

CLONE
* **Clone** gold project of Teuton Resources Corp and Minvita Enterprises Ltd was visited with Dave Lefebure and Tom Schroeter on Aug 18. Ed Kruchkowski and Rob McLeod (Homestake site rep) gave us a detailed tour. Trenching and drilling (5000 m) are being conducted on an anastomosing shear zone 10 km south of Stewart. Four northwest trending, vertically dipping shear zones occur in a 50 metre wide interval between coarse, heterolithic andesite clastics to the northeast and an argillaceous horizon within the andesite sequence to the southwest. Two types of mineralization are present. H-shears are characterized by pervasive hematite and silica with minor chalcopyrite, specularite, magnetite and visible gold. These grade outward to hematitic andesite. Sulphide shears contain pyrite, arsenopyrite and glaucodot? (a cobalt sulpharsenide), with attendant pink cobalt bloom (erytherite) and distinctive dark chlorite. Staining for K-feldspar appears to

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CLOWNE
reflect primary rock composition rather than alteration. Cataclastic texture indicates displacement but the direction is indeterminate. We were shown a feldspathic dike that is truncated by the H-1 structure. From trench assays, grades are 20-30 g/t Au over 2-3 m but tight drilling to 150-175 m below surface gives lower grades, typically 3-5 g/t Au and intercepts are difficult to correlate. Drilling has tested a 400 meter strike length.

*Martha Ellen drilling at **Big Missouri** was reviewed with Dave Pauliuk of Westmin Resources on Aug 27. The mineralized zone has been extended several hundred metres east by re-interpreting the zone to dip east instead of west, and to lie near the contact between andesite and Premier porphyry. About 8 holes are spaced 200 metres apart to outline extent of mineralization (best result so far, 7.7 g/t Au over 6 m) and additional drilling (next year?) seems probable.

Red Mtn.
***Red Mountain** exploration was reviewed with John Harrop and Steve Roebuck on Aug 28. The approach is drill every target that interested Lac Minerals. No new targets are being sought. The 300 metre underground extension has been completed. Drilling continues with six drills (3 at Rio Blanco on the JW extension, one on the Cambria zone, one at Hartley Gulch and one underground on JW). Approximately 16 000 m of drilling has been completed, primarily deep holes on the Marc-AV-JW plunge extension. These holes hit the altered pyritic zone with anomalous gold, but few significant intercepts have been achieved. The mineralized zone is now interpreted to plunge more steeply northwest of AV. Technical problems of deep holes and unpredictable deviation is resulting in less than anticipated production, about one-third of the proposed footage will not be completed. With the season getting late, hole wedging is being planned in an attempt to get more intersections. At Hartley Gulch, several holes have also been abandoned short of their target in broken ground. The Hartley Gulch drill is about to be relocated underground. Royal Oak's latest report to the EA committee states the Red Mountain resource as 1 921 680 tonnes at 9.8 g/t Au for a contained 600,000 ounces of gold, greatly reduced from the 950 000 - 1,000,000 ounces previously stated. The exploration target is indicated to be an additional 700 000 ounces.

EXPLORATION AND MINESITE ACTIVITY

***Premier Gold** underground drilling aimed at identifying sufficient reserves to reopen the mine has completed 8 000 metres with encouraging results. Budget was \$850,000. Drilling will re-commence with a second \$850,000 budget.

***Imperial Metals Corporation** will pay AEC West Ltd (formerly Conwest Exploration) \$4.4 million for its 55.4% of Regional Resources thereby gaining complete control of the **Midway** property. Imperial Metals estimates Midway mineable reserves at 1,377,000 tonnes of 317 g/t Ag, 5.8% Pb, 8.3% Zn (GC Aug. 26), somewhat less than published by Canamax in their 1986 Annual Report.

***Willoughby** underground drilling completed (20 holes, 1697 m) on the North and North North zones. Results are good on one section (about 13 g/t across 4 m) but flanking drill sections were generally less than 3 g/t Au over narrower widths. Surface drilling (1760 m) on the Wilby zone is in progress.

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