



1993 13 1993

MONTHLY REPORT - JULY 1993

HEARNE HILL
883826

by

Paul Wojdak, NORTHWEST DISTRICT GEOLOGIST

HIGHLIGHTS

* A weak revival in exploration activity is apparent from new small drill programs by junior companies that are planned for August-September:

- Kingston Resources on Voigtberg in the Iskut region
- Gold Giant on Kitgold south of Stewart
- Colossal Resources on Ball Creek in the Iskut region
- Lorica Resources (Equity Engineering) on the Trek in the Iskut.

These projects suggest that junior companies are able to raise some money due to the increase in gold price.

* Cominco has cancelled its drill program at Foremore (104G) in the Iskut region. Apparently, at issue is Cominco's confidence in government support for mining.

* Golden Bear Mine has been acquired by Wheaton River Minerals Ltd at a cost of \$1.5 million. Underground mining has resumed in addition to processing last season's ore stockpile. Ground control is an issue for EMPR OH&S.

FIELD ACTIVITIES

* **Hearne Hill (93M006)** was visited on July 15 with Paul Stephenson of Booker Gold Explorations Ltd. Booker Gold has exposed high grade chalcopyrite in the known breccia pipe. The property is near the Morrison porphyry copper deposit. Deep surface weathering of the vuggy breccia obscures the mineralized zone and will make sampling difficult. Trenching appears to have discovered another breccia zone, although initial exposure is unmineralized. Work is continuing under supervision of Cam Stephen. Lorne Spence has an interest in the Booker Gold and will resume percussion drilling after the trenching program. The area has good potential for more small high grade copper deposits that might have been missed by earlier wide spaced drilling.

* Cusac Industries exploration program on the West Bain Vein (104P070) was reviewed on July 28 with project geologist Matt Ball. Ball interprets the primary ore control in the Erickson camp to be proximity to a regional thrust fault which brings argillite over listwanite altered serpentinite and metabasalt. Steep quartz veins are dammed against the thrust and to a limited degree follow the thrust fault (eg Vollaug vein). Ore grade gold was deposited just below the thrust (eg 35 meters) and there was pronounced vertical zoning in gold grade (eg Eileen vein). Drilling earlier this year (12 holes, 3100 feet) yielded intersections on the West Bain vein of 1-13 feet grading 0.1 to 10 opt gold and are interpreted by Cusac to confirm previously calculated reserves. Total property reserves are,

West Bain 34,741 tons at 0.687 opt Au (0.502 opt cut)

East Bain 22,120 tons at 0.565 opt Au.

No other reserves are identified on the Cusac-Erickson property by mining consultant Westervelt. Continued drilling is expected to amount to 1000-1500 feet in 5-6 holes. Total expenditures will be about \$150,000.

VOS → KB - Smithers



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

MEMORANDUM

J. Schreier

Smithers — Telephone: (604) 847-7383 Fax: (604) 847-7603

MONTHLY REPORT - SEPTEMBER 1995

by

Paul Wojdak, NORTHWEST REGIONAL GEOLOGIST

OCT 5 1995
Geological Survey Branch
MEMPR

HIGHLIGHTS

***Royal Oak** BC regional office to be located in Smithers. Peggy Witte and an entourage of investors visited Stewart, Red Mountain and Kemess in early Sept. Royal Oak is having trouble hiring capable geological personnel with Red Mountain experience (everyone is busy/ committed). Major 1995-96 exploration program planned for **Red Mountain** to include an extension of the exploration decline plus surface and underground drilling. Metallurgical test sample to be extracted at **Kemess** by surface excavation.

Red Mt.

***Cominco-Snip** is preparing an underground development proposal to evaluate its new Twin West discovery (refer to my Aug report for description).

SNIP

***Booker Gold** have encountered good grade porphyry copper and breccia mineralization in drilling at **Hearne Hill** in the Babine camp.

HEARNE HILL

***Teuton Resources** have discovered new bonanza grade gold mineralization in their EXPLORE BC funded exploration near Red Mountain.

FIELD ACTIVITIES

***Manalta Coal's Telkwa** project was visited with Bruce Graff on Sept 6. We reviewed the project with Terry Brazzoni (Exploration Superintendent), Kendall Umscheid and Glenn Seve. Manalta's program consists of 2-300 meter spaced drilling of the Tenas deposit and broader, 7-800 meter spaced drilling to test their extensive coal licenses for coal-bearing stratigraphy. The reconnaissance drilling has encountered glacial overburden up to 160 m thick and except for one 6 m intersection, not much coal. The Tenas deposit is emerging as the best resource on the Telkwa property. The coal seam is up to 9 m thick, dips 10-15° west and is bounded on the west by a normal fault. Geometry is ideal for a shallow open pit. Coal quality is very good: high BTU thermal coal with low sulphur content and locally clean enough not to require washing. Manalta is likely to re-evaluate proposed development and locate the plant site south of Telkwa River, instead of on the north side near the #7 and #8 deposits which were proposed for initial mining. The 1995 program will comprise 95-100 rotary and a few diamond drill holes, and 4 trenches to test ARD potential of the enclosing Skeena Group sandstone and shale.

Telkwa Coal

*Organized/ participated in the **Babine Field Trip** with Don MacIntyre and Co. held on Sept 7. There were 13 registrants (advertised as 15 max) with representatives from Inco, Teck, Kennecott, Rio Algom and several junior companies.



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources
GEOLOGICAL SURVEY BRANCH

MEMORANDUM

Suite 301, 865 Hornby Street, Vancouver, B.C. V6Z 2G3

Telephone: (604) 660-2708

Fax: (604) 775-0313

February 4, 1992

File: Hearne Hill

To: Bruce Graff, Chairman
Northwest Mine Development Committee
MEMPR
Smithers

From: Tom Schroeter
Sr. Regional Geologist

Re: Hearne Hill Project

I am pleased to see the project enter the MDAP. Hopefully, it will lead to more from the region, including Morrison. At this point in time the only questions/concerns I have are:

- 1) Potential for acid rock (mine) drainage, especially into Babine/Morrison Lakes. More test work is required.
- 2) 'Reserves' - we will want to see the method(s) of calculation, including the areas of potential. Is there a gold and/or silver component?

cc: V. Preto

TS:JB