

JW Mustard Memos

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**MEMO # 4 October 20, 2003**

**HEART PEAK PROSPECT NTS 104K9E**

**GEOLOGY REPORT AND AIR PHOTOS**

**Introduction :-**

In 1980 or 1981 we provided Jo Shearer with a small budget to do reconnaissance on some specific areas he had chosen for gold prospecting. One of the most interesting prospects to emerge from that reconn program was Heart Peaks, which was staked in 1981 as the HART Group of 120 units. The syndicate involved was the Newex Syndicate, consisting of Newmont and Lomex as funding partners.

The report provided is for the 1982 season's work. That report indicates we spent about \$28,000 on that season's exploration. Previous work had cost about \$7,000 and it is my recollection that, having spent \$35,000 without locating a specific target, I felt that the remote location and poor rock conditions for drilling made further work hard to justify.

Lomex was dropping out of this exploration effort. Kerr Addison later offered to buy into the syndicate in order to proceed with additional work. They entered into an agreement with Newmont and a joint venture eventually spent something in the order of \$800,000, primarily for diamond drilling. At that stage the effort was given up for lack of significant results.

I do not have copies of the diamond drill hole logs and have no significant knowledge of the actual results. In fact, strangely enough, I do not seem to have the air photos that were used in the field for prospecting and mapping. The photos supplied with this memo are from my files but these have never been in the bush.

It is my understanding diamond drilling on these steep slopes was exceptionally difficult.

Since that time it has come to my attention that some of the sedimentary marker horizons in the Eskay Creek area are notable for the presence of belemnite fossils.

In the lower reaches of the creek, flowing west through the main zones of Hart Group there are abundant fossils in siltstone and conglomerate formations. The unconformity below the volcanic pile is exposed in the creek for 400 metres or more. The geologist working on the property for a short time in 1982 did not recognise fossils but, after having come back to base and giving me a long dissertation on the geological mapping, he, as an after thought, reached in his pocket and pulled out a curiosity he had found in the creek. It was a belemnite !!

I am of the opinion that a possible target would underlie the mineralized trend through the Mogul and other mineral showings, below where that trend intersects the unconformity. (See Figure 14 of the report. I have added a proposed drill hole.) The only reasonable drill set up to explore that location would be in the bed of the creek, a quite difficult location.

**Data Provided with this Memo :-**

**Report :-** "Geological and Geochemical Report on the Hart Claim Group", by J.C.S. and G.W. Hill, dated September 20, 1982.

**G.S.C. Geology maps :-** Dease Lake, 104 J, 1" = 4 miles;  
Tulsequah and Juneau, 104K, 1" = 4 miles.

**Air Photos :-** Air photo index, 1 : 250,000 topographic map, Tulsequah, 104 K

A 11385 - 456 to 459;

A 11446 - 86 to 89 ;

A 11641 - 33 - 36 ;

No 'Comments' in this memo, they are in the 'Introduction'. I would like to have the maps and reports back when you are finished with them. Maybe in a year or two, depending on how things go.

Regards,

A handwritten signature in cursive script, appearing to read 'Carr', is written below the typed text.