

Memorandum

Vancouver, B. C.
1986-10-31 Oct 31

Re: Monthly Report - M543

EARL D. DODSON:

I. MADSON CREEK

I spent Oct. 1 and 2 on Utah's Mad claims near Watson Bar Creek with Pat Henry looking at the area of Madson Creek. There is abundant orange weathered siltstone float in Madson Creek and cliffs of this same rock crop out on both sides of the creek. The siltstone is bleached light grey, carbonatized and is cut by dolomite veins. These siltstones represent rocks in the hanging wall of the E-W trending Boundary fault which wasn't seen in the field, but is thought to extend across Madson Creek.

Although occasional sulphides were seen as fine disseminations and as stringers very little silicification was observed. A few examples of quartz veins in float were sampled.

The 18 rocks sampled include SM6T4-267 to 284. Two samples of brecciated and bleached siltstone (SM6T4-269 and 274) cut by dolomite veins and containing disseminated arsenopyrite were the only samples anomalous in gold.

| | <u>Au</u> <u>ppb</u> | <u>Sb</u> <u>ppm</u> | <u>As</u> <u>ppm</u> | <u>Ag</u> <u>ppm</u> |
|-----------|-------------------------|-------------------------|-------------------------|-------------------------|
| SM6T4-269 | 65 | 1000 | 9400 | 0.1 |
| SM6T4-274 | 45 | +1000 | 1900 | 0.1 |

Although from this investigation the potential for mineralization in the hanging wall zone of Madson Creek is not encouraging, a discussion with John Dayton of Utah Mines is warranted. Apparently he has some ideas on the potential of cross structures on this property.

2. LANDSAT IMAGES

After consulting with Bill Kowalik and Todd Battey of COFRC I ordered negatives for Landsat images of the Bralorne, Manson River and Taseko Lakes areas from PASS (Prince Albert Satellite Station) and EOSAT (Earth Observation Satellite Company).

I'm waiting for information from SPOT IMAGE on their coverage of the Bralorne area so that we could obtain black and white images with 10 m pixels.

3. COMPUTER USE

Donna Baylis of Chemex gave a demonstration of their data retrieval and inquiry system, Geotrieve. I can now use the IBM PC and the modem to look at and manipulate our Chemex geochem data and to transfer the data to our system. From our system I am able to transfer the files using Procomm software to the Xerox word processor where they can be printed in letter quality font suitable for reports or maps. This will save the drafting of geochem values on maps when a geochem table format is used.

4. BUDGET PRESENTATIONS

After a confabulation with Larry Dick during which we discussed 1987 M543 budget presentation material I prepared the following for drafting;

1. BC gold deposit map with selected lithologies highlighted
2. Hedley geology map - cross section still to be prepared
3. Blackdome-Bralorne geology map - cross section still to be prepared
4. Bralorne Gold Camp geology map
5. Tagish area geology and gold deposit view graph

5. DRAFTING

Barbara Moore has completed 30 topographic base maps that are to be used for M543 geology compilation.

Linda Connor started the budget presentation drafting on Oct. 20 and has completed the Tagish area view graph as well as a Monashee Mt. geology map. The other four maps are in final stages of drafting and are awaiting Larry Dick's appraisal before completion.

6. NANAIMO LAKES

I spent Oct.22 prospecting and sampling on our recently acquired TEL claims while Pat Henry and Wayne Hewgill were staking the WP block. The area is underlain by Triassic Karmutsen Fm. andesite that is unconformably overlain by Cretaceous Nanaimo Group sandstones and conglomerates. Tertiary intrusives crop out at the southern and western parts of the WP claims.

The Macmillan showing (Cu-As) on the TEL claims consists of a breccia zone within the andesites near the unconformity. The old cat trenches are heavily overgrown and quite rubbly with very little outcrop present. There is limited outcrop in the area.

The brecciated andesite is highly carbonatized, bleached to a buff colour and cut by calcite veins. A light beige coloured chalcedony that is sometimes banded forms the matrix of the breccia. Clear vuggy quartz veins cross cut both the matrix and the fragments. Malachite and azurite staining was associated with the disseminated sulphides -bornite, chalcocite and covellite. Specularite disseminations were also common.


Assays are pending on the 12 rocks (SM6L1-285 to 296) and 18 soils (SM6L2-297 to 314) sampled.

7. OTHER

I had the opportunity on Oct.15 to hear Larry Cathles give a presentation on the applications of oxygen isotopes in massive sulphide exploration.

On Oct.30 I attended the GAC short course #10 given by Dennis Martin covering geotechnical data collection for the exploration geologist. The course was well organized and Dennis used many real life examples from which to learn. I now have an understanding of the geotechnical data that must be collected from drill core before it is split. The same information can be collected from trenches and outcrops.

Earl Dodson's Vodd claim samples (ED6V1-10 to 24) are in for analysis. Polished slabs have been made from each of Larry Dick's Mt. Washington rocks and the samples (LD6L1-77 to 80) are in for analysis. Additionally, a polished thin section and a petrographic report are in progress for sample LD6L1-80.



SANDY McALLISTER

SM:am
cc: L. Dick