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You were wondering about a work program that could be done on Freemont's Dome Mt. area claims in April of this year. I have listed some "emergency" drill targets below, in order of ease of access and availability of water. The claims will have to be regrouped and work will have to be done on each of two groups.

1. April 3. Small (generally less than 5 cm dia.), widely scattered quartz veins in a poorly exposed mafic intrusion carry chalcopyrite, bornite and pyrite. Best grab: 0.03 opt Au, 1 opt Ag, and 4.3% Cu plus minor Zn and Co.
  
2. Chris. Fracture filling chalcopyrite is found here in felsic volcanic rocks. Best grab: 11.3% Cu, tr Au and 0.1 opt Ag. Almost tested by a 66 m DDH (C1) in 1985 that was collared roughly 20 m? (I don't have the data at hand) west of these rocks and aimed at a geophysical target south of probable outcrops of above rocks. Only minor (less than 1%) pyrite was encountered in DDH-C1, but the hole cut felsic pyroclastics below 2.5 m of overburden and ended in siltstone. What happens at the contact between the base(?) of the sediments and the underlying(?) Cu-bearing felsic volcanics??

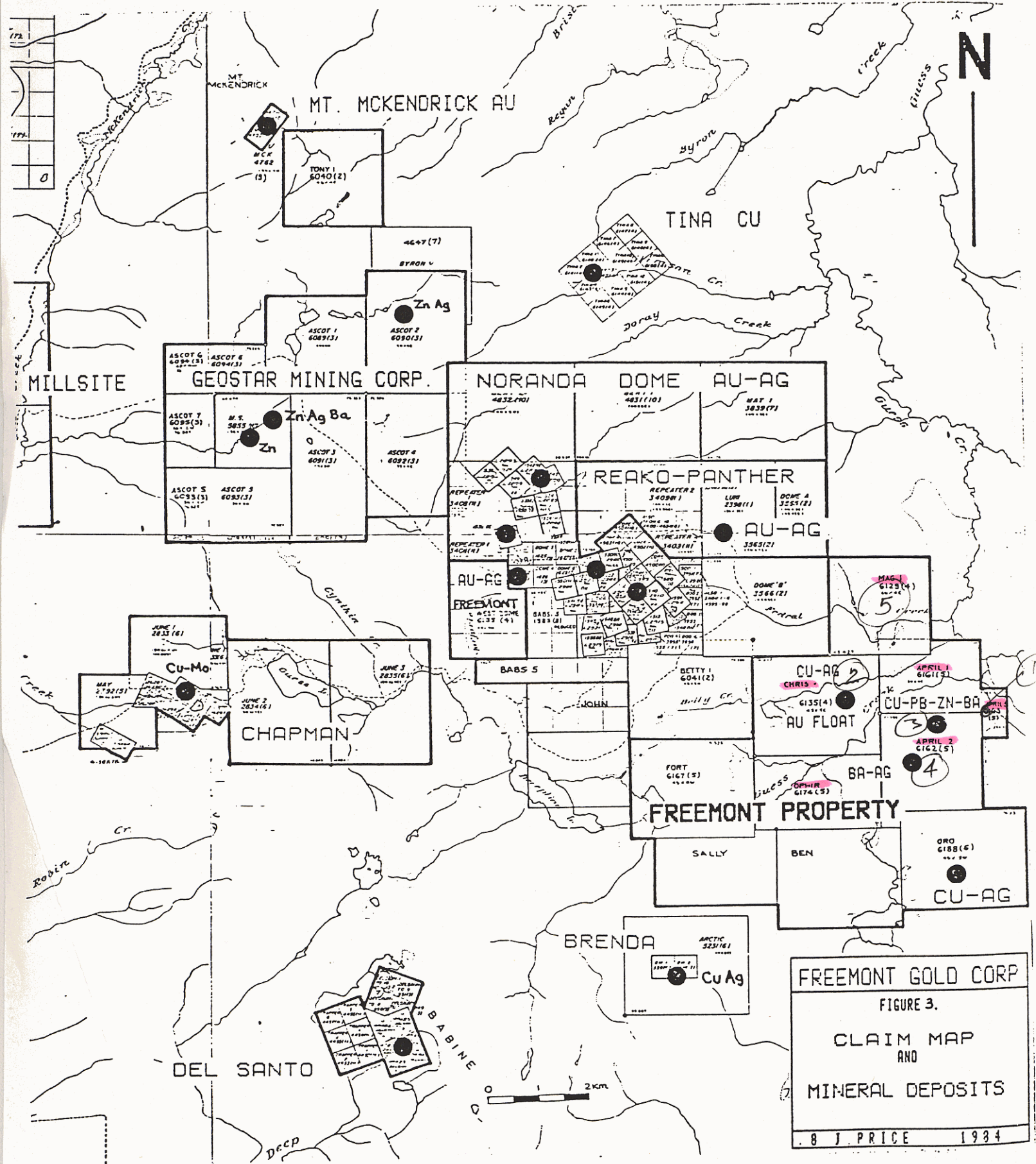
There are magnetometer and VLF anomalies here, but HEM lines (about 200 m apart) are not very encouraging. This is also the site of a massive sulphide boulder that assayed 0.023 opt Au, 0.04 opt Ag, 0.31% Cu, plus minor Pb, Zn and Cd - source unknown.

3. April 2. Small amounts of tetrahedrite, galena, sphalerite, chalcopyrite, pyrite and barite occur in fracture fillings in felsic to andesitic volcanic rocks. Trenched in 1984. Best grab: 0.002 opt Au, 5.43 opt Ag, 1.39% Cu, 24.5% Pb, and 1.18% Zn.
4. April 2. A massive barite vein about 1 m in width is exposed about 1200 m south of the above showing, and carries minor tetrahedrite and chalcopyrite. The host is an andesite. There are felsic volcanics close by. Trenched in 1986.
5. Mag 1. The claim covers a prominent and complex magnetometer anomaly. Altered (epidote, chlorite) diorite is reported from outcrops which are very rare. Asarco did a little work here in 1976 (Assessment Report 6284) and found pyritized felsic volcanic float containing minor Cu and Zn. I do not have the data from subsequent work by Freemont, and Lorne Warren is away, but I recall that some of the geochemical results, particularly for Zn (1000 ppm plus), were good. If the Dome Mt. hydrothermal system was driven by a thermal regime related to an underlying intrusion, then the magnetometer anomaly on this claim (which I think is generated by an intrusion or intrusive complex) deserves careful attention.

Good prospecting,

*L. Orsa*  
Anthony L. Orsa

Copies to Ken Cuellett & Lorne Warren.



FREEMONT GOLD CORP.  
 FIGURE 3.  
 CLAIM MAP  
 AND  
 MINERAL DEPOSITS  
 B. J. PRICE 1984