

NORTHAIR MINES LTD.-CALLAGHAN CREEK  
Volcanogenic Zn-Pb-Cu-Ag-Au Deposits

92J/3W

LOCATION:

The Callaghan Creek property is 85 Km north of Vancouver on the western side of Mount Sproat.  
Vancouver Mining Division.

OWNERSHIP:

Northair Mines Limited, Vancouver.  
(They also hold 97% interest in a 20 year lease, Bully Hill area, Redding California (485,000 Tons 0.2oz/T Au, 4.5oz/T Ag, 2.5% Cu, 4% Pb, 10% Zn.)).  
Mr. M.P. Dickson, Mine Manager.

GEOLOGY:

The Callaghan Creek property is underlain by coarse-grained pyroclastic rocks that are divisible into five mappable units of rhyolitic to andesitic composition and form part of a roof pendant surrounded by various masses of the Coast Plutonic Complex. All Mesozoic pyroclastic units strike northerly or northwesterly and are near vertical with tops facing east. Of a total of seven mineral deposit known, three occur on the Callaghan Creek property i.e. from north to south: Discovery, Warman, and Manifold Zones. All zones are tabular in form, strike about north 40 degrees west and have near vertical dips. Average thicknesses are about 1.8, 2.4 and 5.1 metres respectively from south to north. Ore grades differ progressively from zone to zone. In general the southern (Manifold) zone is high in precious metals and low in base metals. The converse is true for the Discovery zone, and the Warman Zone is intermediate in character. Similarly, the form of mineralization varies from south to north. In the south (Manifold) zone sulphides are disseminated or thickly layered in a siliceous carbonate layer and in the north (Discovery) zone sulphides are layered and locally massive. Again, the Warman zone is intermediate in character.

RESERVES:

Feb. 21, 1980  
64,234 tons ?% Cu, 1.80% Pb, 2.56% Zn, 1.23oz/T Ag, 0.22oz/T Au.

HISTORY:

An amateur prospector, Dr. M.P. Warshawski, and a geologist, Mr. A.H. Manifold located the first claims on the Warman property in September 1970, following encouraging results from prospecting and chemical analysis of stream waters that enter Callaghan Creek from the east side.

NORTHAIR MINES LTD. - CALLAGHAN CREEK Cont'd

Since early September 1972, when Northair Mines Limited optioned the property a considerable amount of work has been completed on three zones.

During 1974, most of the underground work was concentrated on exploring and developing the Warman zone. A total of 10,337 tons of development ore was produced.

The complete concentrator plant of the former King Resources Limited's mine near Revelstoke was purchased. Rated capacity of the mill is 426 Tonnes/Day.

REFERENCES:

Geological Fieldwork 1978  
GEM 1973, 1974

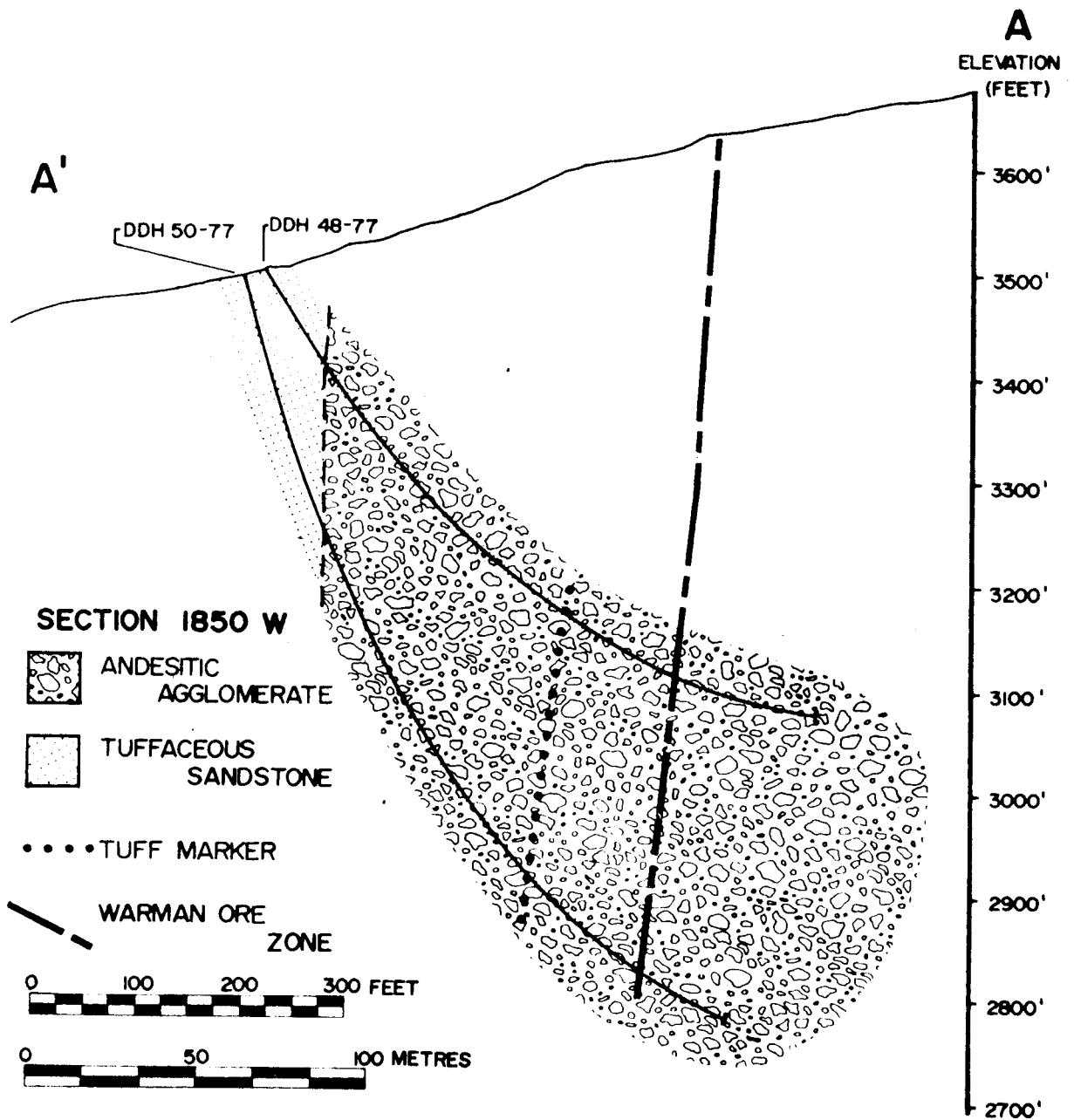


Figure 1850 cross-section perpendicular to Warman zone showing parallelism of lithologic contacts and the Warman zone whose thickness is shown to correct scale.