

**KUTCHO CREEK PROPERTY  
(104I/1)**

**By T. G. Schroeter**

**INTRODUCTION**

The part of the Kutcho Creek massive sulphide deposit (MI 104/I-60) owned by Sumac Mines Ltd. was visited on August 30th. It is located approximately 100 kilometres east of Dease Lake. During 1982, Sumac Mines Ltd. constructed a 12-kilometre tote road from the Kutcho airstrip to the property. The company then flew surface and underground equipment to Kutcho airstrip and moved it to the property.

Sumac Mines Ltd. completed a 218-metre crosscut into the ore zone for bulk sampling purposes and collected 145 tonnes of ore (see Fig. 62). They also conducted 1 525 metres of surface diamond drilling. This brings the total number of holes drilled by Sumac Mines Ltd. to 128 for approximately 21 335 metres in total. Esso Minerals Canada, owners of part of the massive sulphide mineralization, has also drilled 9 200 metres. Consequently, total drilling on the Kutcho Creek property exceeds more than 30 535 metres.

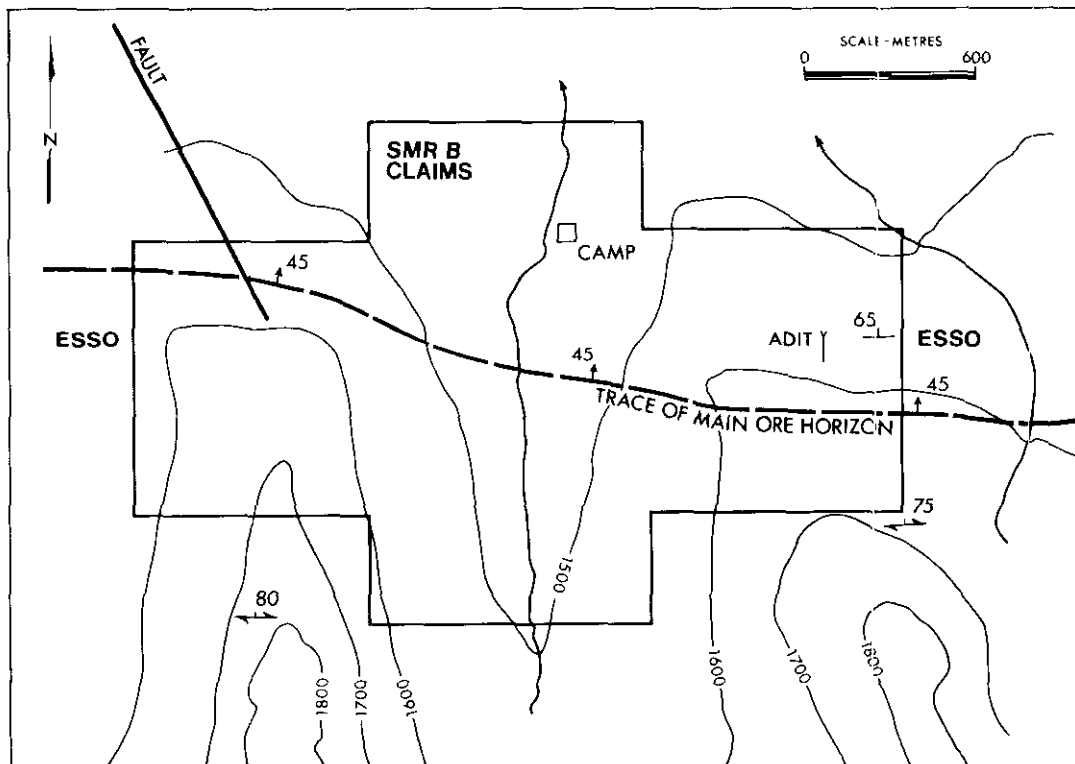


Figure 62. Sketch of Sumac Mines Ltd.'s Kutcho Creek property.

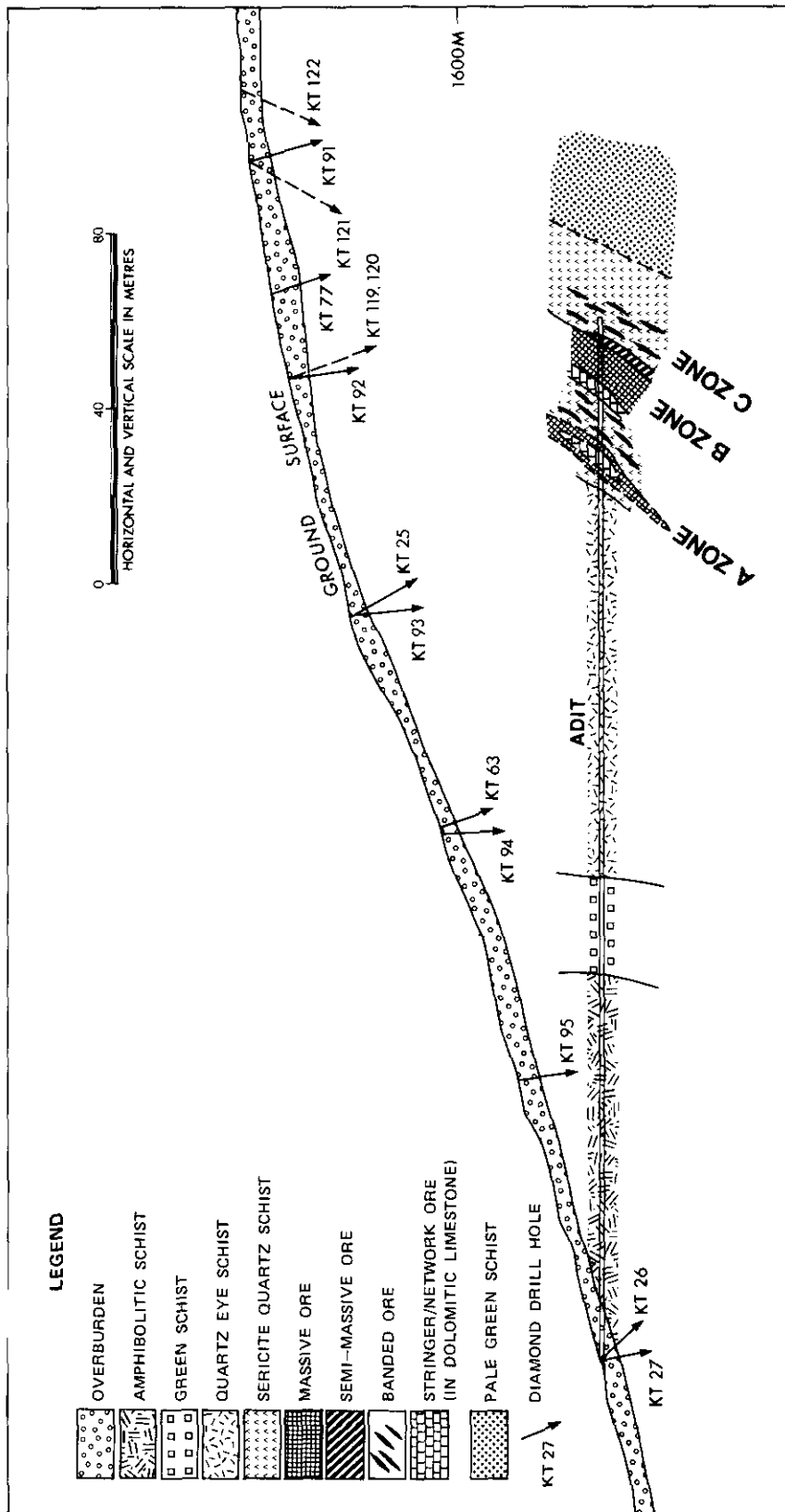


Figure 63. Cross-section along adit at 38232E, Kutcho Creek deposit, Sumac Mines Ltd. (after company plans).

Estimated reserves for the Sumac Mines Ltd. property are approximately 11 million tonnes grading 1.68 per cent copper, 2.14 per cent zinc, 25.23 grams silver per tonne, and 0.26 grams gold per tonne.

#### **GEOLOGY AND MINERALIZATION**

The geology of the crosscut is shown on Figure 63. Two main zones of massive sulphide ore mineralization consisting of chalcopyrite, pyrite, bornite, sphalerite, and minor galena and tetrahedrite were intersected in the crosscut. The first, A zone, is 4 metres wide, the second, B zone, is 13 metres.

In addition, a C zone was intersected below B zone and consists of greater than 80 metres of massive fine-grained pyrite (see Fig. 63). Metal zoning with a zinc-rich hangingwall appears to exist. The ore zones dip 45 degrees to the north and crosscut the enclosing rocks which have an average dip of 70 degrees to the north.

#### **ACKNOWLEDGMENTS**

The writer acknowledges the hospitality of Taiji Ueno, Roy Suzuki, and Ed Holt of Sumac Mines Ltd. while visiting the property.

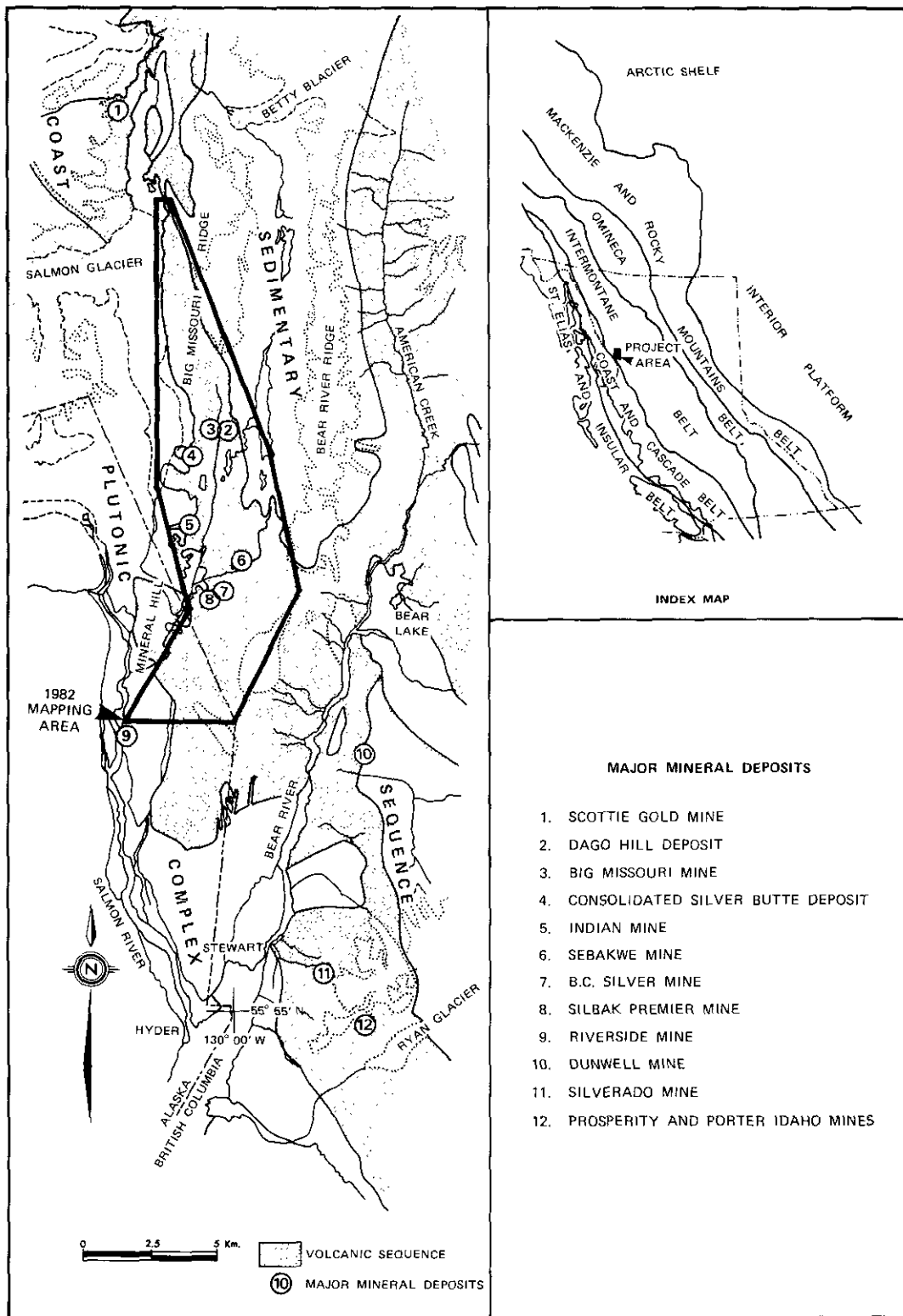


Figure 64. Regional geology and mineral deposits.