

| | |
|----------------|-----|
| LOG NO: JAN 31 | RD. |
| ACTION: | |
| FILE NO: | |

ASSESSMENT REPORT
GEOPHYSICAL SURVEY
TASK 8 GROUP
(includes Task 5 & 6)
Clinton Mining Division
NTS 920/SE

Lat. 51 29' N
Long. 123 35' W

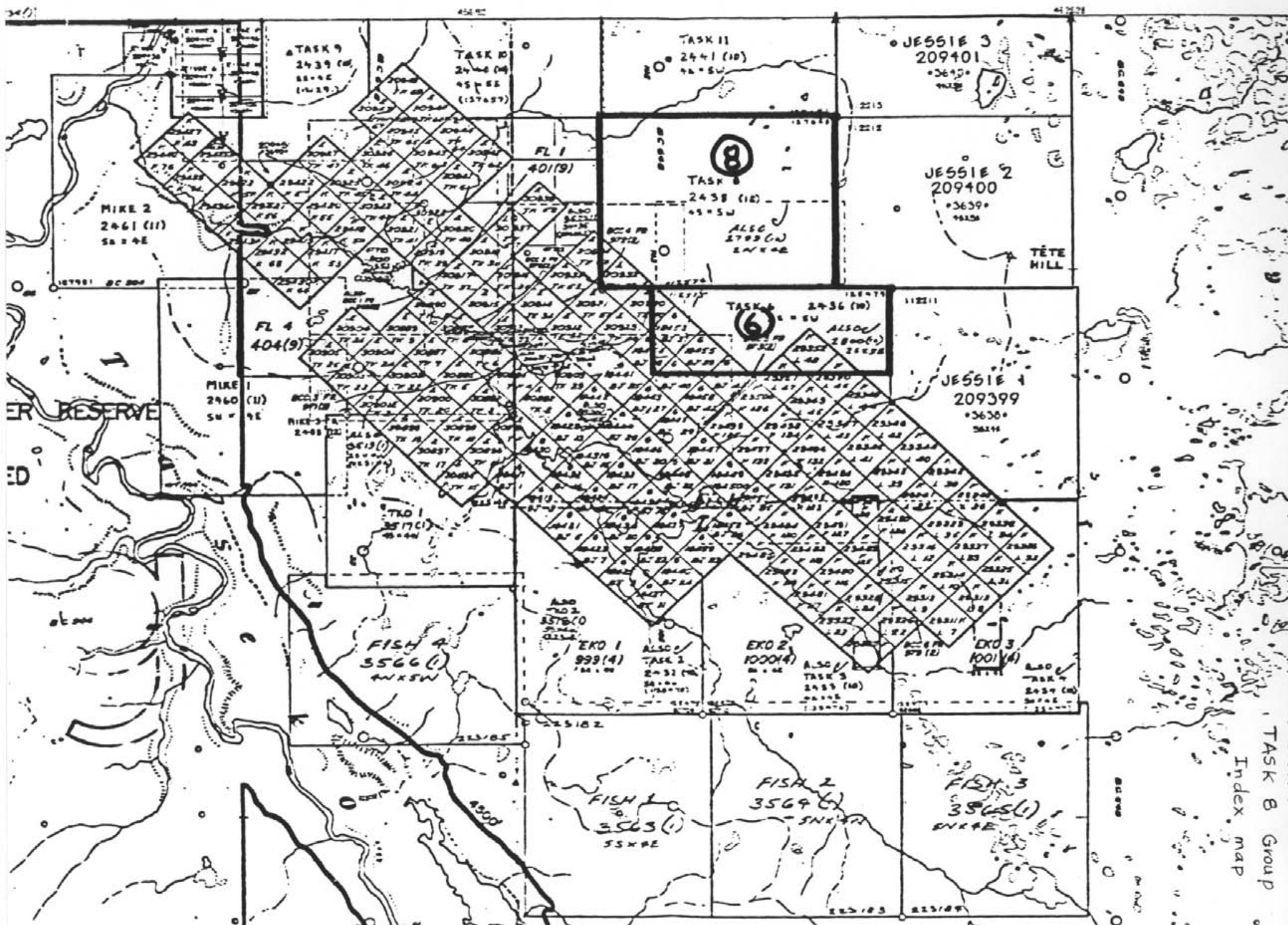
Owner/Operator: Pioneer Metals Corporation

Vancouver, B.C.
January 27, 1992

Author: S.L. Blusson, PhD

GEOLOGICAL BRANCH
ASSESSMENT REPORT

22,090



Introduction

Location and Access

The Task 8 group is adjacent to the Fish Lake property presently held by Cominco Ltd. The property is located about 250 Km north of Vancouver and 120 Km SW of Williams Lake. Access is provided by paved highway (No. 20) to Lee's corner, thence by the well maintained Taseko Lake gravel road to Fish Lake turn off, followed by 8 km of good dirt road to the Fish Lake campground. Four wheel drive vehicle may be required during spring breakup on the last few kilometres along Fish Creek. Float planes are easily accommodated by Fish Lake.

Topography

The area is part of the Chilcotin plateau with subdued relief; elevations ranging from 1450 to 1600 meters above sea level. Vegetation is generally open with numerous meadows, lightly wooded grasslands and clumps of jackpine and alpine fir. Tributaries to Fish Creek are dry most of the year.

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):

..... limited outcrop, of conglomerate, gneiss,
..... argillite and med. to coarse grained
..... quartz diorite porphyritic dykes shown by
..... magnetite, mostly only.

GEOPHYSICAL SURVEY

Summary

The instrument used was a Scintrex/EDA Omni plus magnetometer/VLF-EM unit, complete with Omni base station magnetometer, T-1100 laptop personal computer and printer, all supplied by T. Hasek and Associates.

At first an orientation survey was run over all different exposed rock types in the area and any known alteration and mineralized zones in order to establish parameters for further interpretation. It was found that four main rock groupings could be distinguished. In ascending order of magnetic susceptibility, unmetamorphosed sediments, hornfels, older quartz diorite and younger quartz diorite with related porphyry dykes. Altered and mineralized zones, especially where sericite is advanced and magnetite is replaced by hematite, have a magnetic response between that of the regional unaltered quartz diorite and sediments, generally in the range of 57,000 nt.

Locally areas of higher magnetic response within the sediments can likely be attributed to unusual gravity concentrations of magnetite within the conglomerates. Some dykes are shown dramatically by only one or two closely spaced readings, thus would require a very detailed ground survey to outline. This may be important to establish the structural setting, as a key part of the Fish Lake Cu-Au deposit seems to be related in space and time(?) to east and northeast trending porphyry dykes.

In summary, this reconnaissance style "ground-truthing" magnetometer survey was conducted in preparation of a high resolution cesium magnetometer helicopter-borne survey to be conducted over the entire Task claim block.

COST STATEMENT


Task 8 Group

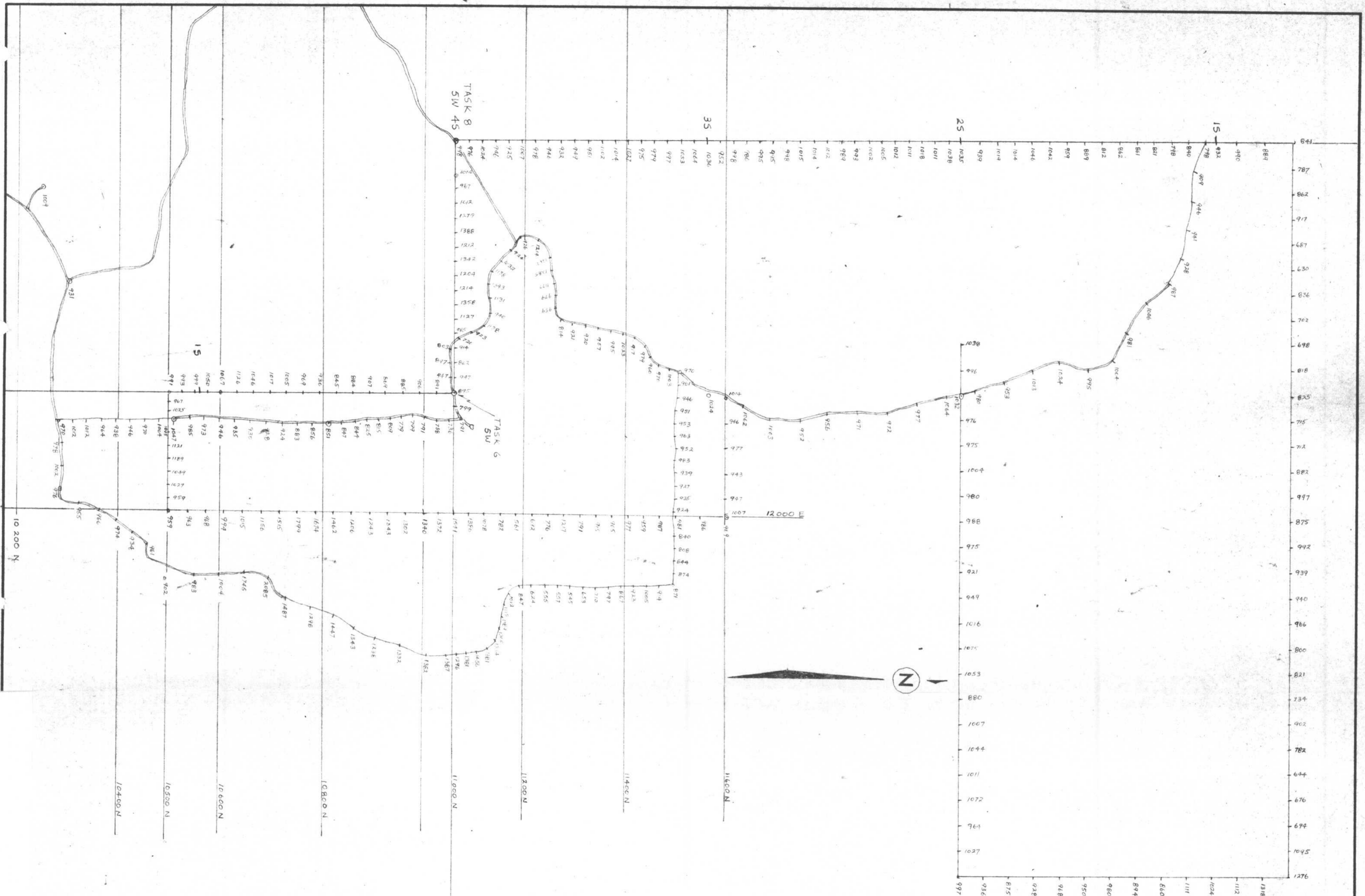
| | | |
|----------------------------------|------------|------------------|
| Wages at \$600/day | 3 days | 1800 |
| Food and Lodging at \$75/day | 4 man days | 300 |
| Instrument Rental at \$1542/week | 1 week | 1542 |
| Quad Bike Rental at \$50/day | 4 days | 200 |
| Vehicle at \$60/day | 3 days | 180 |
| \$0.30/km | 650 km | 195 |
| Report Writing | | <u>500</u> |
| TOTAL | | \$4,717 ===== |

APPENDIX B

STATEMENT OF QUALIFICATIONS

Dr. S.L. Blusson is a graduate of the University of B.C. (B.Sc. Geology) and of the University of California Berkely (Ph.D. Geology and Geochemistry). Between 1965 and 1981 Dr. Blusson worked as a research geologist for the Geological Survey of Canada and is presently Vice-President of Exploration for Pioneer Metals Corporation.

A handwritten signature in cursive script, appearing to read "Stewart Blusson".



| | | | |
|-----------------|-------------|---|----------------|
| TASK 8 Group | | Magnetometer Survey reference field 57000 nt = 1000 EDA Omni Plus | |
| SCALE: 1 : 5000 | APPROVED BY | DRAWN BY | |
| DATE: 01/15/92 | 22090 | | DRAWING NUMBER |
| | | | |