



LOG NO: 0526	RD. 2
ACTION: Date received report back from amendments	
FILE NO:	

LOG NO: 0125	RD.

REPORT OF WORK  
(Geological, Geochemical)

FILMED

TASK A GROUP

BRITISH COLUMBIA

CLAIM MAP NUMBER  
NTS 920/5E

Clinton Mining Division

LATITUDE: 51° 29' N  
LONGITUDE: 123° 35' W

OWNER/OPERATOR:

PIONEER METALS CORPORATION  
1770 - 885 WEST GEORGIA STREET  
VANCOUVER, BRITISH COLUMBIA  
V6C 3E8

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

18,297

January 23, 1989  
Author: Stewart L. Blusson

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I. INTRODUCTION

A. Claims Included in Task A Group

<u>CLAIM NAME</u>	<u>DISPOSITION NO.</u>	<u>NUMBER OF UNITS</u>	<u>CLAIM MAP NO. CLINTON DIVISION</u>
TASK 5	2435	20	NTS 920/5E
TASK 6	2436	10	NTS 920/5E
TASK 7	2437	20	NTS 920/5E
TASK 8	2438	20	NTS 920/5E
TASK 12	2442	20	NTS 920/5E

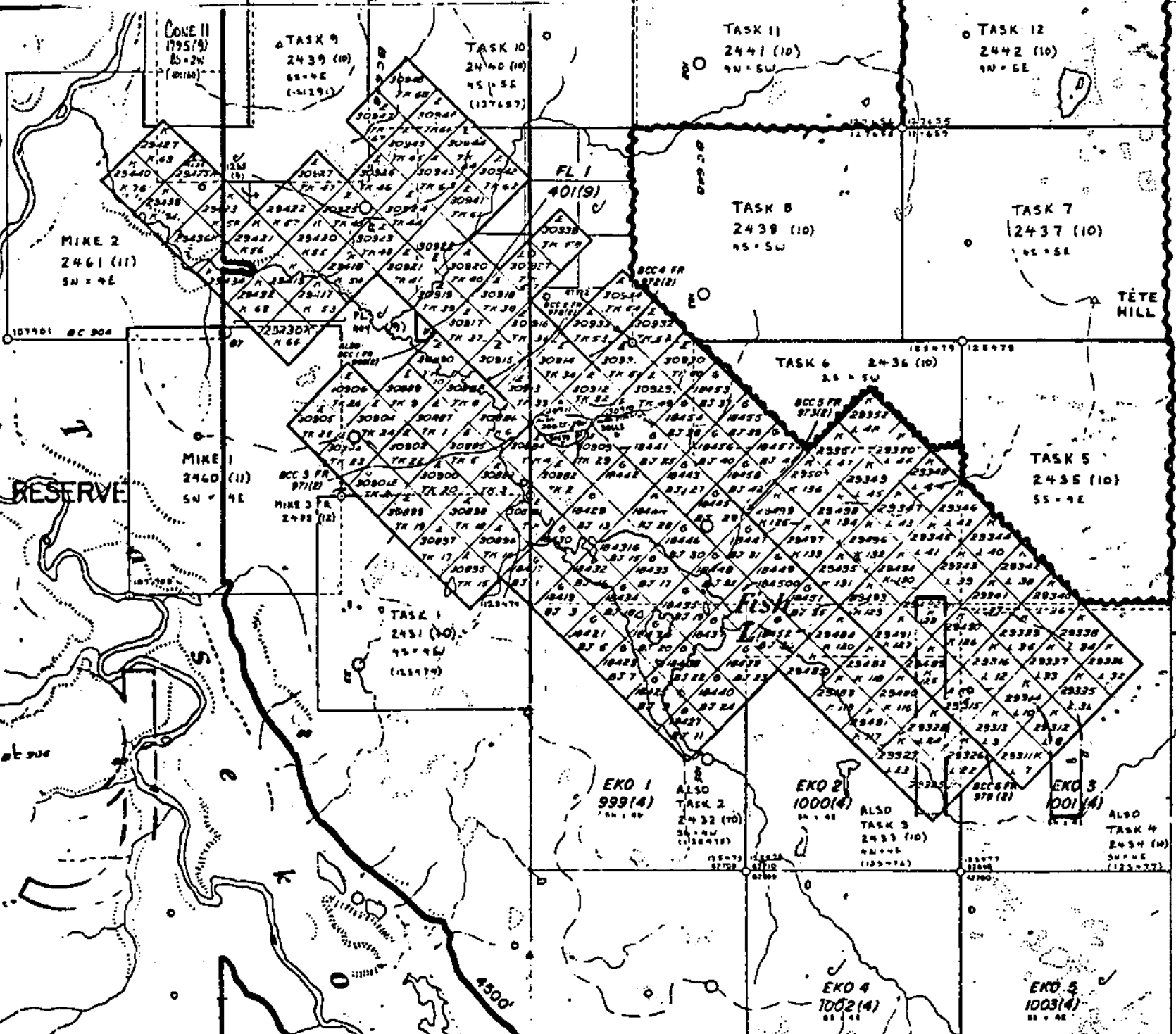
TOTAL: 90 UNITS

INDEX. Map 3.

Task A Group

TO NORTH SEE MAP 92-012 E

AL & PLACER RESERVE  
3, 5-4-1960  
CASE REQUIRED



CONE II  
1795(9)  
85-2W  
(10110)

TASK 9  
2439 (10)  
85-4E  
(14191)

TASK 10  
2440 (10)  
45-5E  
(127487)

TASK 11  
2441 (10)  
4N-5W

TASK 12  
2442 (10)  
4N-5E

MIKE 2  
2461 (11)  
5N-4E

FL 1  
401(9)

TASK 8  
2438 (10)  
45-5W

TASK 7  
2437 (10)  
45-5E

TETE HILL

MIKE 1  
2460 (11)  
5N-4E

TASK 6  
2436 (10)  
45-5W

TASK 5  
2435 (10)  
55-9E

MIKE 3  
2498 (12)

TASK 1  
2431 (10)  
45-9E  
(128474)

EKO 1  
999(4)  
7N-10W

ALSO  
TASK 2  
2432 (10)  
34-1W  
(128418)

EKO 2  
1000(4)  
5N-4E

ALSO  
TASK 3  
2433 (10)  
44-4W  
(128416)

EKO 3  
1001(4)  
4N-4E

ALSO  
TASK 4  
2434 (10)  
54-6E  
(128427)

EKO 4  
1002(4)  
5N-4E

EKO 5  
1003(4)  
5N-4E

BC 900

N

BC 900

C. Location and Access

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

D. Topography

The area is part of the Chilcotin plateau with subdued relief; elevations range from 1,450 to 1,600 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.

E. Summary

The intent of this investigation which includes the Task A Group is to examine the adjacent areas of a large gold-enriched porphyry copper system to check for an outward zoning of mineralization, alteration and fringing structures that may control it. This work was aided by the use of a D6 cat and back hoe to reestablish access within the claim group and for checking overburden covered areas.

Two features of the region hamper this effort. A discontinuous but locally thick cover of post-mineral plateau basalt that underlies most of the elevated best exposed terrain and a thick mantle of exotic glacial deposits that covers almost all of the low-lying areas. Outcrops of the mineralized host rocks are therefore extremely limited so that all pertinent information must be gleaned from each one by intensive examination.

In this field, micro veinlets were examined by hand lens to check for alteration type and chip and talus fine samples were carefully processed in the lab for heavy mineral separation and microscopic examination (micro prospecting). In addition, 15 soil samples weighing about 8 kilograms each were taken from back hoe pits at an average depth of 3 meters, in an attempt to reach residual soils or bedrock below the glacial deposits.

## II. PROCEDURE AND RESULTS

As a comparison and reference for further work, several selected core sample intervals with known assay from the Fish Lake deposit were pulverized and processed with the same procedure as the soil and talus fine samples.

Samples were wet screened with dispensing agent to -20 + 50, -50 +150, and -150 mesh. The coarse fraction was examined by binocular microscope for evidence of altered host rock and the fine fractions reduced to heavy mineral concentrates by gravity, heavy liquid and magnetic separation. Any sulfide bearing fractions were digested in aqua regia, extracted into MLBK and analyzed by atomic absorption for gold on a scintrex AAZ-2 Zeeman modulated spectrophotometer.

In addition, composite - 80 mesh splits of the back hoe pit samples were sent to Bondar Clegg for analysis of copper and silver. Results are tabulated in the appendix.

As shown on the sample map, 9 of the 16 back hoe pits failed to reach the base of an exotic clay rich boulder till unit. Six pits contained near their base, large angular chunks of greywacke and conglomerate very likely close to bedrock. None of these rocks showed any alteration. Most interestingly pit No. 16 contained near the base fragments of oxidized highly altered rusty appearing quartz diorite which appears not far removed from source. However a pyrite bearing fraction was not anomalous in gold.

Several other pyrite enriched samples similarly had detectable gold in the 10 to 500 ppb range but this is not significant considering the high concentration ratio of the heavy mineral samples.

It is concluded that the back hoe sampling to uncover extensions of the Fish Lake deposit Renner gold zone was ineffective due to the extensive and deep overburden cover, and that drill supported soil sampling will be required.

APPENDIX I  
STATEMENT OF COSTS

Field Labor

Wages - S. Blusson (\$500/day for 3 days)	\$1,500
- W. Smith (\$250/day for 3 days)	750
Food and Lodging	450
Airfare	240
4 x 4 Truck Rental (\$100/day)	240
D6 Cat Rental (\$96/hour x 24 hours)	2,280
Back Hoe - For trenching (\$50/hour x 24 hours)	1,440
Assaying & Sampling	2,440
	<hr/>
Total	\$9,400

TASK A GROUP  
BRITISH COLUMBIA  
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APPENDIX II  
STATEMENT OF QUALIFICATIONS

Work on the Task A Group was supervised by Stewart L. Blusson.

Dr. Stewart L. Blusson is a graduate of the University of British Columbia (B. Sc. Geology) and of the University of California Berkeley (Ph. D. Geology and Geochemistry). Between 1965 and 1981 Dr. Blusson worked as a research geologist of the Geological Survey of Canada and is presently Vice President of Explorations for Pioneer Metals Corporation.

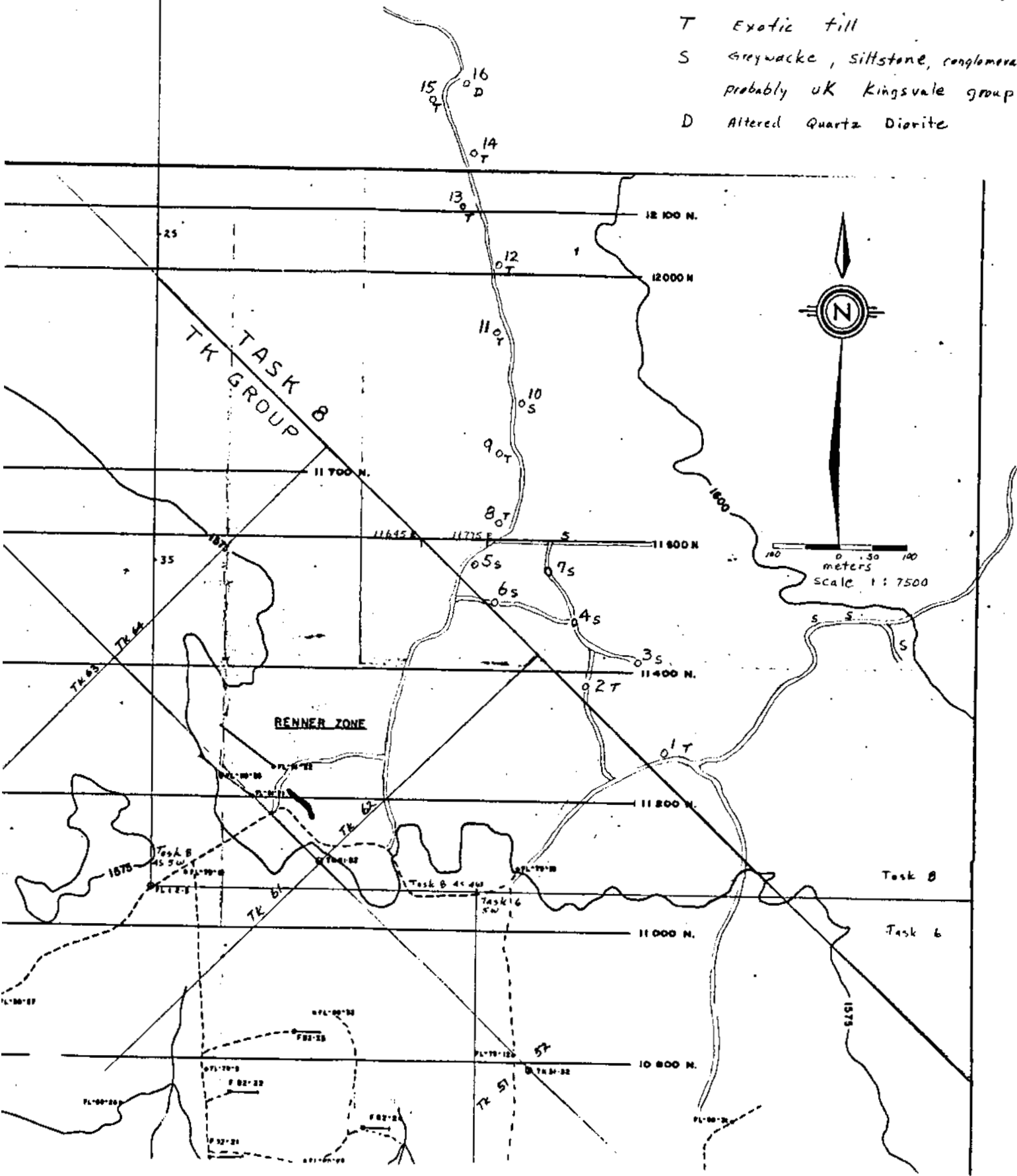
  
\_\_\_\_\_  
Stewart L. Blusson, Ph.D.



Showing roads and backhoe pits

Legend (rock at pit base)

- T Exotic fill
- S Greywacke, siltstone, conglomerate, probably UK Kingsvale group
- D Altered Quartz Diorite





REPORT: V89-02369.D

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	Cu PPM
11 TX01		<0.1	38
11 TX02		0.2	30
11 TX03		0.4	27
11 TX04		<0.1	34
11 TX05		0.1	44
11 TX06		0.1	23
11 TX07		<0.1	80
11 TX08		<0.1	21
11 TX09		0.2	52
11 TX10		<0.1	81
11 TX11		<0.1	38
11 TX12		<0.1	22
11 TX13		<0.1	27
11 TX14		<0.1	35
11 TX16		0.2	26