Assessment Report
Drilling
TASK 8 Group
(includes Task 8, 11, 12, 13, 14)

Clinton Mining Division

NTS 920/SE

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

Owner/Operator: Pioneer Metals Corporation

Vancouver, B.C.
January 23, 1990

Author: S.L. Blusson, PhD

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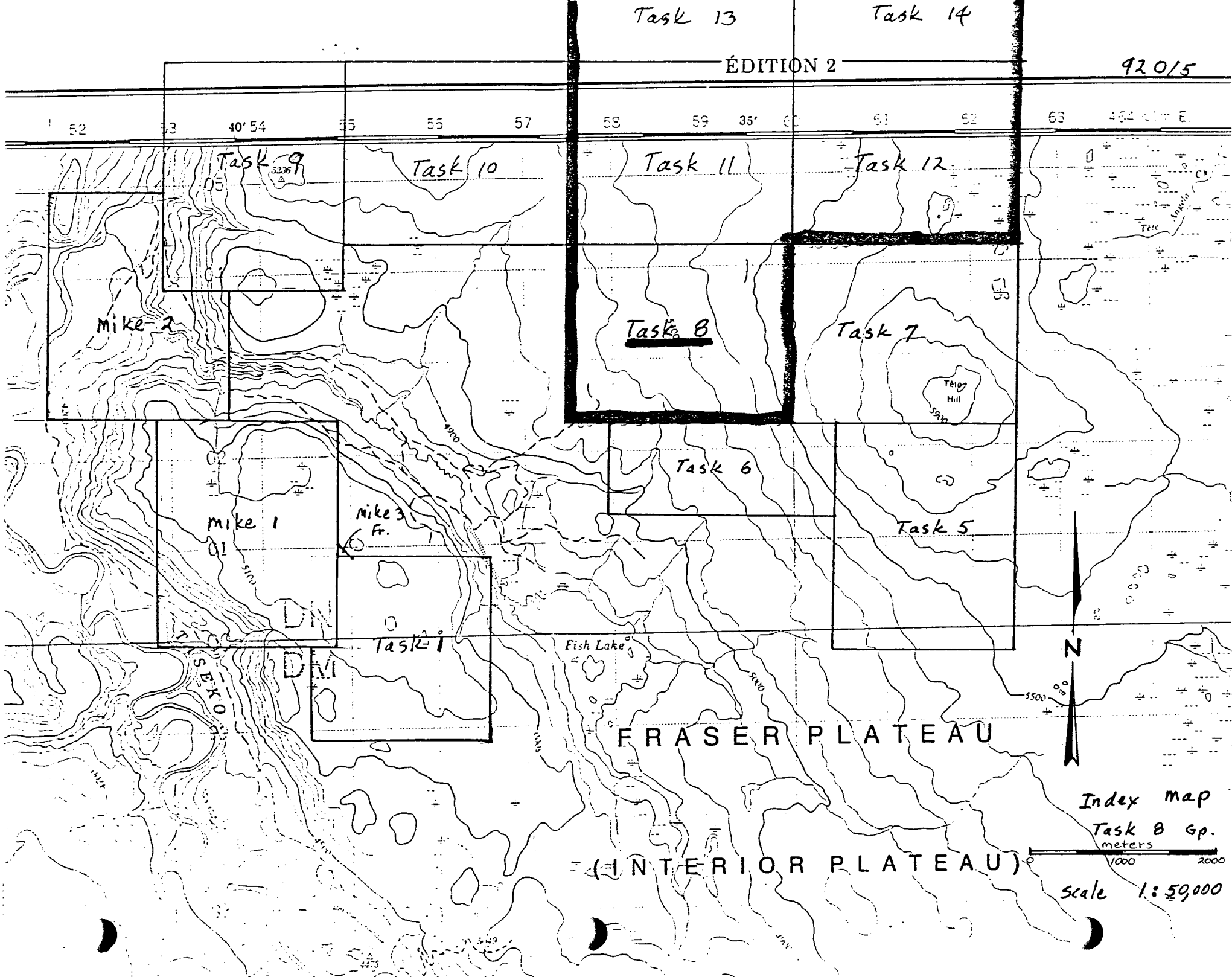
Task 13
Task 14
ÉDITION 2
92 O/5
52
53
40' 54
55
56
57
58
59
35'
61
62
63
Task 9
Task 10
Task 11
Task 12
Mike 2
Task 8
Task 7
Tête Hill
Task 6
Task 5
Mike 1
Mike 3 Fr.
Task 1
Fish Lake
TSEKO
FRASER PLATEAU
(INTERIOR PLATEAU)
N
Index map
Task 8 Gp.
meters
0
1000
2000
scale 1:50,000

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

The intent of this investigation which was run concurrently over a nine day period with the Task 6 and Task 9 groups is to examine the adjacent areas of a large gold-enriched porphyry copper system to check for an outward zoning of mineralization, alteration and structures that may control it. Previously in 1988 this work was aided by a dozer and backhoe to provide access and check overburden depths.

Two features of the region hamper this effort. A discontinuous but locally thick cover of post-mineral plateau basalt and a continuous mantle of glacially derived overburden that is particularly thick in low lying areas. Previous pitting and trenching in the area in 1988 showed that overburden depths mostly exceeded backhoe limits so an overburden drill was called for. The present program utilized a track mounted reverse circulation rig set up for both tri cone rotary and down the hole hammer percussion drilling. Cuttings were collected through a cyclone and where appropriate were split, sieved and sent for geochemical assay. Twenty one holes were drilled on the Task 8 group of which nine hit bedrock.

Procedure and Results

The truck-mounted reverse circulation drill supplied by Northspan drilling of Kelowna, B.C. is highly mobile, has its own dozer blade for site preparation and is capable of hole depths exceeding 500' in favourable bedrock. Numerous problems were encountered however in drilling overburden such that numerous holes of less that 60' had to be stopped before bedrock was reached. Tricone rotary was used where possible in the finer textured overburden with a switch to percussion hammer when boulders or bedrock was encountered. Drilling was mostly dry but in clay rich overburden water injection was found to be essential.

Samples were screened to 75 mesh before analysis for copper and gold. Rock chips were examined by binocular microscope for sulfide or alteration minerals.

Drill Results

Task 8 Group

Hole No.	Lithology	Assay Cu (ppm)	Au (ppb)
RC 1	Overburden (OB)		
RC 2	OB		
RC 3	Medium grained quartz diorite weak alteration, no sulfide	57	<5
RC 4	Quartz diorite, weak alteration	50	15
RC 5	Quartz diorite, mafics altered	62	<5
RC 6	Quartz diorite, rare pyrite	24	<5
RC 7	OB		
RC 8	OB	65	23
RC 9	Quartz diorite	40	<5
RC 10	OB	50	23
RC 11	Coarse grained quartz diorite	104	<5
RC 12	OB	31	<5
RC 13	Basalt, amydaloidal		
RC 14	OB		
RC 15	Basalt, amydaloidal		
RC 16	OB		
RC 17	OB	40	<5
RC 18	OB	51	<5
RC 19	Medium grained quartz diorite	48	16
RC 20	OB		
RC 21	OB		

Cost Statement

			Task 8 Group
Wages	S. Blusson @ $500/day for	5 day	$ 2,500
	W. Smith @ $250/day for	5 day	1,250
Camp	Food & Lodging 4 @ $75/day	5 day	1,500
4 x 4 Truck rented	1 @ $100/day	5 day	500
Quad Bike Rented	2 @ $40/day	5 day	400
Airfare 2 people			300
Drilling (Track R/C)	@ $2500/day	3.5 day	8,750
Mobe & De-mobe			1,750
Assay			200
Report			300
			$17,450

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.

S. L. Blusson

Bondar-Clegg & Company Ltd.
130 Pemberton Ave.
North Vancouver, B.C.
[illegible] 2R5
[illegible]) 985-0681 Telex 04-352667

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A DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

Geochemical Lab Report

REPORT: V89-08720.0

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PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Au PPB	Cu PPM
S4 DASH-1		200	11
S4 RC-A		<5	91
S4 RC-B		<5	85
S4 RC-C 30-35		<5	32
S4 RC-3		<5	57
S4 RC-4		15	50
S4 RC-4A		<5	25
S4 RC-4B		<5	31
S4 RC-4S		45	35
S4 RC-5		<5	62
S4 RC-6		<5	24
S4 RC-8		23	65
S4 RC-9		<5	40
S4 RC-10		23	50
S4 RC-11 20-25		<5	104
S4 RC-11 26-35		<5	37
S4 RC-11 36-45		<5	62
S4 RC-12 30-35		<5	31
S4 RC-13		10	53
S4 RC-14		20	37
S4 RC-17 18-31		<5	40
S4 RC-18 19-51		<5	51
S4 RC-19 35-36		16	48
S4 RC-25 20-35		62	22
S4 RC-26 25-30		<5	783
S4 RC-26 30-35		7	321

Drill log

RC - 1

0 - 13.5 meters	overburden, grey glacial clay, silt, gravel, boulders
	no sample

RC - 2

0 - 10.5 m	overburden, glacial silt, gravel, boulders
	No sample

RC - 3

0 - 5.5 meters	overburden, glacial silt, gravel, clay, boulders
5.5 - 12.0	quartz diorite, medium grained, non porphyritic
5.5 - 7.5	sample - weak alteration, no sulfides

RC - 4

0 - 2.5 meters	overburden, glacial silt, gravel, boulders.
2.5 - 7.0	quartz diorite, weak argillic alt. of feldspars
2.5 - 4.5	sample

RC - 5

0 - 3.2 meters	overburden, glacial silt, clay, gravel
3.2 - 9.5	quartz diorite, med. grained, mafics altered.
3.2 - 5.5	sample

RC - 6

0 - 3.5 meters	overburden, glacial gravel, clay, silt
3.5 - 10.5	quartz diorite, rare fine grained pyrite
3.5 - 6.0	sample

RC - 7

0 - 9.4 meters	overburden, grey glacial clay, gravel, boulders
	hole abandoned in clay rich gravel
	no sample.

Drill Log.

RC - 8

0 - 10.6 meters	overburden, grey glacial gravel, silt, boulders
8.5 - 10.6	sample, grey silt, soft shale

RC - 9

0 - 2.5 meters	overburden, glacial gravel, silt, clay.
2.5 - 9.1	quartz diorite, weak argillic alteration
2.5 - 4.5	sample

RC - 10

0 - 9.2 meters	overburden, grey glacial silt, clay, gravel
7.0 - 9.2	sample

RC - 11

0 - 7.6 meters	overburden, glacial gravel, silt, clay, boulders
7.6 - 13.7	grey soft silty shale
13.7 - 15.5	Quartz diorite, coarse grained
13.1 - 15.5	sample

RC - 12

0 - 10.6 meters	overburden, clay rich silty gravel, hole abandoned
9 - 10.6	sample - silt rich clay.

RC - 13

0 - 2.5 meters	overburden, grey clay rich gravel + soft siltstone
2.5 - 4.8	basalt, fresh amygdaloidal, no sample

RC - 14

0 - 15.5 meters	overburden, grey glacial boulder and silt rich gravel. No sample

Drill Log.

RC-15

0-3.5 meters	overburden, grey clay rich glacial gravel
3.5-7.5	basalt, fresh amygdaloidal - plateau lavas.

RC-16

0-3.5 meters	overburden, grey clay rich glacial gravel.
3.5-10.5	brownish soft siltstone, no sample

RC-17

0-3.8 meters	overburden, grey glacial clay, silt, gravel, boulders
3.8-10.9	brownish soft siltstone, browner with depth.
8.5-10.9	sample.

RC-18

0-5.8 meters	overburden, glacial clay and gravel
5.8-15.5	brown soft siltstone, rusty near base
13.5-15.5	sample, near bedrock?, paleosol?

RC-19

0-4.5 meters	overburden, glacial boulder rich gravel.
4.5-7.5	quartz diorite, medium grained, weak alteration
4.5-6.5	sample

RC-20

0-9.5 meters	overburden, grey clay-rich bouldery gravel.
	no sample

RC-21

0-10.6 meters	overburden, grey clay rich boudery gravel.
	no sample

Drill Hole location Map
(Task 8 and Task 6 groups)

⊙ RC 1 collar location of vertical reverse circulation drill hole

o 1988 backhoe pit

RC 15
RC 16
RC 13
RC 7
RC 14
RC 17
RC 8
RC 6
RC 5
RC 4
RC 18
RC 12
RC 9
RC 11
RC 10
RC 19
RC 3
RC 2
RC 20
RC 21
RC 1
RC 22
RC 23

1S
25
35
1575
1600

12 100 N.
12000 N
11 700 N.
1 600 N
11400 N.
11 200 N.
11000 N.
10 800 N.

TASK 8 TK GROUP

RENNER ZONE

Task 8 45 SW
Task 8 45 NW
Task 6 5W
Task 8
Task 6

N

100 0 50 100
meters
scale 1 : 5000