



Province of
British Columbia

Ministry of
Energy, Mines and
Petroleum Resources

19608

ASSESSMENT REPORT
TITLE PAGE AND SUMMARY

TYPE OF REPORT/SURVEY(S) Drilling non core	TOTAL COST \$ 9990.
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AUTHOR(S) Stewart J. Iussan SIGNATURE(S) *Stewart J. Iussan*

DATE STATEMENT OF EXPLORATION AND DEVELOPMENT FILED Oct 26/89 YEAR OF WORK 89

PROPERTY NAME(S) Task 9 Group

COMMODITIES PRESENT copper - gold

B.C. MINERAL INVENTORY NUMBER(S), IF KNOWN

MINING DIVISION Clinton NTS 920 S/E

LATITUDE 51° 28' N LONGITUDE 123° 39' W

NAMES and NUMBERS of all mineral tenures in good standing (when work was done) that form the property [Examples: TAX 1-4, FIRE 2 (12 units); PHOENIX (Lot 1706); Mineral Lease M 123; Mining or Certified Mining Lease ML 12 (claims involved)]:

Task 9	2439	Mike 1	2460
Task 10	2440	Mike 2	2461
Task 1	2431	Mike 3 (Fr)	2488

OWNER(S)
(1) Pioneer metals Corp (2)

MAILING ADDRESS
1100 1090 W. Pender St.
Vancouver B.C.

OPERATOR(S) (that is, Company paying for the work)
(1) Same (2)

MAILING ADDRESS
Same

SUMMARY GEOLOGY (lithology, age, structure, alteration, mineralization, size, and attitude):
Diorite stock cutting Kingsvale group strata
capped by miocene plateau basalt. Porphyry.
Type copper - gold mineralization.

REFERENCES TO PREVIOUS WORK ~~the~~ assessment reports 1988,
Drilling, geochem, prospecting plus many previous
reports for years 1960 - 1988.

Assessment Report
Drilling
TASK 9 Group
(includes Task 9, 10, 1, Mike 1, 2, Mike Fr.)

Clinton Mining Division

NTS 920/SE

PROJECT	0202	RD.
SECTION:		
FILE NO:		

Lat. 51 28' N
Long. 123 39' W

Owner/Operator: Pioneer Metals Corporation

**GEOLOGICAL BRANCH
ASSESSMENT REPORT**

Vancouver, B.C.
January 23, 1990

19,608

Author: S.L. Blusson, PhD

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Task 13

Task 14

ÉDITION 2

92 015

52

40' 54

55

56

57

58

59

35'

60

61

62

63

484 015 E

Task 9
32969

Task 10

Task 11

Task 12

mike 2

Task 8

Task 7

Telegraph Hill
5900

Task 6

mike 1

mike 3
Fr.

Task 5

Task 4

Fish Lake

SEKO

FRASER PLATEAU

Index Map
Task 9 Gp.

(INTERIOR PLATEAU)

scale 1:50,000

Introduction

Location and Access

The Task 9 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 8 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. Five holes were drilled on the Task 9 group of which four 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 than 60' had to be stopped before bedrock was reached. Tricone rotary was used where possible in thin 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 9 Group

Hole No.	Lithology	Assay	
		Cu (ppm)	Au (ppb)
RC 25	Overburden & broken bedrock? Hole abandoned at 35', quartz diorite?	22	62
RC 26	Medium grained diorite with pyrite veinlets 25 - 30' fine to medium diorite, 30 - 35' medium grained diorite	783 321	< 5 7
RC 27	Overburden to 20' 20 - 35' fine grained diorite		
RC 28	Same as RC 27		
RC 29	Overburden to 25' 25 - 45' greywacke, competent, hornfelsed?		
RC 30	Diorite, fine to medium grained.		

1 foot = 30.5 cm

Cost Statement

Task 9 Group

Wages S. Blusson @ \$500/day for	3	day	\$	1,500
W. Smith @ \$250/day for	2	day		500
Camp Food & Lodging 4 @ \$75/day	3	day		900
4 x 4 Truck rented 1 @ \$100/day	3	day		300
Quad Bike Rented 2 @ \$40/day	3	day		240
Airfare 2 people				250
Drilling (Track R/C) @ \$2500/day	2	day		5,000
Mobe & De-mobe				1,000
Report				<u>300</u>
				\$9,990

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 DIVISION OF INCHCAPE INSPECTION & TESTING SERVICES

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REPORT: V89-08720.0

PROJECT: NONE GIVEN

PAGE 1

SAMPLE NUMBER	FLFMNT UNITS	Au PPB	Cu PPM
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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

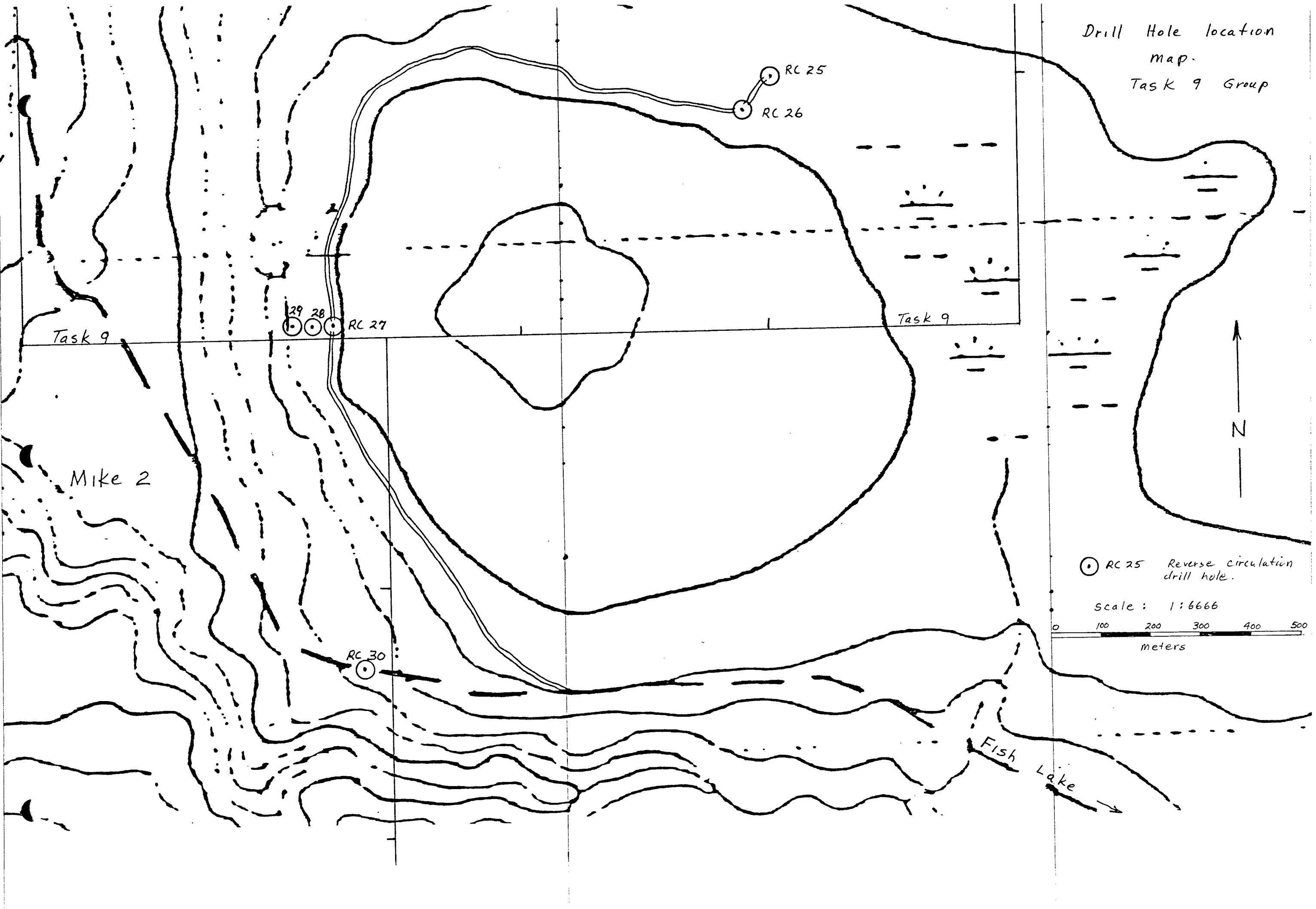
S4 RC-6		<5	24
S4 RC-8		23	65
S4 RC-9		<5	40
S4 RC-10		23	50
S4 RC-11 20-25		<5	104

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
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Drill Hole location
map.
Task 9 Group



Task 9

Mike 2

RC 27
29 28

RC 25
RC 26

RC 30

Task 9

Fish Lake

RC 25 Reverse circulation
drill hole.

Scale: 1:6666

0 100 200 300 400 500
meters

N