GM 51485

REPORT, GEOLOGICAL RECONNAISSANCE, LAC COLOMB PROPERTY

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Énergie et Ressources naturelles
Québec

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REPORT

GEOLOGICAL RECONNAISSANCE, LAC COLOMB PROPERTY

OCT. 1991

Prepared for Kingswood Explorations 1985 Ltd.

Peter H. Smith
Dec. 9, 1991

92212-003

TABLE OF CONTENTS

INTRODUCTION

The Lac Colomb Property of Kingswood Explorations 1985 Ltd. and Fort Rupert Resources Ltd. was subject to 10 days of geological reconnaisance by two three man crews in the period October 13-23, 1991. The purpose of the project was to identify new showings if possible on this large property, and to revisit and reasses old ones and their geological milieu in order to provide focus for a proposed geophysics and drill program early in the new year.

PROPERTY DESCRIPTION

113 claims were covered by the survey, numbered as follows: Fort Rupert, 4530051; 4530101-104 incl.; 4530111-115 incl.; 4530121-125 incl.; 4530131-134 incl.; 4530142,143; 4530151-155 incl.; 4530163,164; 4530171-175 incl.; 4530182,184,185; 4530191-195 incl.; 4530201-205 incl.; 4530211-215 incl.; 4530311,312; Kingswood, 5086637,38,52,59,60,64-70 incl.; 5086735,36,81-87 incl.,92; 5086801-04 incl.,06-13 incl.,18-21 incl.,27,28,29, 35-38 incl.,43-47 incl.,51,54,58,59,63,68,69,70,75,76,77.

WORK CARRIED OUT TO DATE

The Colomb Lake belt, a NE trending synclinal structure containing metavolcanic, metasedimentary, and basic intrusive rocks has been explored intermittently since the 1950's. The geology of the belt is summarized on Map 1, and has been discussed at length by Guy LaForest in his report on the former Fort Rupert property dated March 30, 1989 and presently in the Kingswood files.

Noranda

Noranda, impressed by the extensive copper mineralization in the belt, carried out the first systematic exploration in the late 1950's. This work involved airborne and ground geophysics, prospecting, sampling, and packsack drilling.

Inco

In the 1960's, Inco (Canico) came into the area on a joint venture basis with Noranda, eventually earning a 75% interest in Noranda's land position. By the end of 1969, Inco had completed 157 holes for a total of 105,737 feet, most of this on the so called Main Zone, located on the SE limb of the syncline, where an overall possible tonnage of 5 million tons grading 1.47% Cu, o.3% Ni, 0.5 oz. Ag and 0.02 oz. Au was outlined. This reserve includes 2.7 million tons grading 2.31% Cu and 0.49% Ni. Of this overall tonnage, approximately 1.7 million tons is apparently recoverable by open pit to a depth of 600 feet. Since 1969 Inco has done very little on the ground but has carried out studies at various times on the economic feasibility of this deposit. Currently Inco/Noranda hold 6 claims covering the zone.

Other work carried out by Inco in the '60's was largely of a reconnaisance nature, following up on some of Noranda's old copper nickel showings (principally the Bédard) along the SE limb of the syncline NE of the Main Zone for a distance of some 9 km. This reconnaisance drilling was, apart from the Bédard, sporadic and never followed up. Inco also drilled a series of widely spaced holes at long intervals (1500 m plus) along the strongly conductive NW limb of the syncline. No economic values were reported.

Fort Rupert

In the mid '80's, Fort Rupert Resources Ltd., a private company, staked much of what is presently the Kingswood block. Fort Rupert carried out airborne geophysics over the Colomb syncline and resampled some of Inco's core from the

Main Zone, stacked on the north shore of Lac Audru. The company also carried out reconnaisance prospecting around the Bédard Showing. Subsequently, most of the Fort Rupert ground was allowed to lapse for want of assessment credits.

Salient points arising from this work are as follows:

1) The airborne survey clearly defined the synclinal nature of the Colomb belt, and the strongly conductive horizon hosting the Main Zone; away from the Main Zone on the SE limb, conductivity is present, but not nearly as strong. The syncline model suggests that the axial zone would be a locus of considerable deformation and alteration, and a good target for shear and vein hosted gold occurrences. The recent prospecting suggests that indeed this may be the case. A major ENE fault (60^{o}az) cuts the syncline structure (35^{o}az) at a shallow angle; there is some suggestion that the rocks exposed NW of this fault represent a deeper structural level within the syncline. Numerous SE trending faults cut the belt in its northern part. These interpretations are summarized in Figure 1.

2) The resampling of the old Main Zone core resulted in the recognition of significant gold values in the sericite schist footwall of the Main Zone. This unit, usually called a metasediment, carries variable amounts of disseminated pyrite and pyrrhotite in the 1-5% range, and was never a target for Inco. One section of core sampled by Fort Rupert yielded 3.1g Au/0.6m. The unit itself varies in thickness up to 26 metres or more; it could represent a major, hydrothermally altered and metamorphosed shear zone.

Kingswood Explorations (Present project)

Some ten days were spent by two crews working from two camps on the property, one at the north end, and one at the south end. Access is a problem in the central part of the property. The sample and camp locations are shown on Map 1. An attempt was made to section the syncline on the north and south, and to follow the so called 'Inco horizon' along its length north from the Main Zone. Notes on anomalous samples are included in Table 1; sample descriptions and assays are listed in Tables 2 and 3.

A number of significant discoveries were made in the northern sector of the property, in the axial zone of the syncline. Sample DB 24, a rusty, anthophyllite rich rock taken from narrow veins in a metre wide zone marginal to a silicified amphibolitic outcrop assayed 0.9% Cu and 2.5 g Au. This occurrence lies on a strong gradient mag high which some 800 metres SW exhibits weak, but definite airborne conductivity. The second discovery, again in the axial zone some 3000 metres SW of 24, consists of large quantities of rusty frost heave blocks of quartz anthophyllite schist. The sample, DB 23, assayed 1.3% Cu and 1.3 g Au. Two Inco or Noranda packsack holes were noted not far away, but the present occurrence does not seem to have been the target.

Two additional showing areas are worth noting; the Davreau Lake North Showing, and the Davreau Lake South Showing (Map 1). Both of these lie on the Inco horizon and occur in metagabbros carrying disseminated chalcopyrite. The North Showing carries values up to 1.4% Cu, 0.22% ni and 316 ppb Au. The gold values are anomalous for this environment and it is not clear what the controls might be. The sketch in Table 1 suggests gold values rise in these rocks toward the SE. A few Inco drill holes are present in the vicinity, as well as a packsack hole on the showing itself, but no other information is available. The mineralization itself occurs in massive unsheared gabbro, presumable as a cumulate. IP work in this area may yield

some surprises. A number of weak, untested airborne conductors lie immediately south of this, and the South Showing. The South Showing itself, some 700 metres SW is similar to the above, save that the gabbro is sheared. Assay values range up to 1.4% Cu, 0133% Ni, and very low gold values in the 30-40 ppb range. Three packsack holes were noted on this showing. The shears are rich in chalcopyrite.

Other lower priority showings are listed in Table 1, and deserve further work. Showings in the southern sector of the property are less impressive, although anomalous gold values again occur in the axial zone of the syncline structure. Sampling on the NW limb, north of Lac Audru, revealed little of economic interest.

A few general observations are in order here, based on examination of the collected samples, and discussions with Bertrand Taquet, geologist.

1) The basic intrusives consist of gabbros, pyroxenites, anorthosites, and possibly peridotites - all indicating the existence of differentiation in this environment. One sample, DB 12, a pyroxenite, yielded 0.66% Ni and 0.08% Cu, an interesting ratio, and quite different from the run of CuNi assay values. It suggests, in fact, that we may have peridotite hosted nickel mineralization in the area, and this deserves scrutiny because of the potential of high grade nickel occurrences in such associations. Indeed, the bed of Lac Colomb, some 4 km north of the property, and structurally in the axis of the syncline is underlain by massive serpentinite marked by a strong magnetic anomaly, and cut by a single drill hole (through 200' of overburden) LC-5 (Soquem, 1973, GM 34181), which assayed 0.15% Ni over 40 ft.
2) Alteration in the Colomb belt is ubiquitous, ranging from silicification to the development of anthophyllite and sericite. The suggestion here is that many of these rocks have suffered considerable hydrothermal alteration, with Fe, Mg and K metasomatism prior to and possibly during metamorphism.
3) Chalcopyrite seems to be an essential accessory in gold bearing zones. Shearing is common in such zones creating coarse grained mica schists ranging from green to white in colour. Gold mineralization is associated with both NE and SE trending structures.
4) The types of targets to be expected in this environment range from large tonnage low grade gabbro hosted Cu Ni, to shear zone related Cu Au mineralization, and of course peridotite hosted nickel mineralization.

RECOMMENDATIONS

A number of principal target areas have been outlined on Map 2, which is excerpted from the final interpretation map of Fort Rupert's Aerodat survey. These target areas are further prioritized into some ten IP coverage areas selected on the basis of showings, untested airborne conductivity and other considerations.

Cut lines at 100 metre spacing are recommended, with mag and VLF coverage for control. IP, which has never before been used in this area, is proposed for the geologically more interesting sectors. Diamond drill followup should be made on the more promising targets.

Proposed Program: (over)

Proposed Program:

linecutting	65 km @ $215		$ 13,975.00
mag, VLF	72 km @ $135	incl. mob/demob	9,720.00
IP	34 km @ $755	" " "	25,670.00
Diamond drilling, 6000 ft. @ $25		incl. assays, supervision	150,000.00
Consulting, supervision, reporting			20,000.00
		Contingency	30,635.00
		Total, Proposed Program	$250,000.00

Peter H. Smith

Figure 1

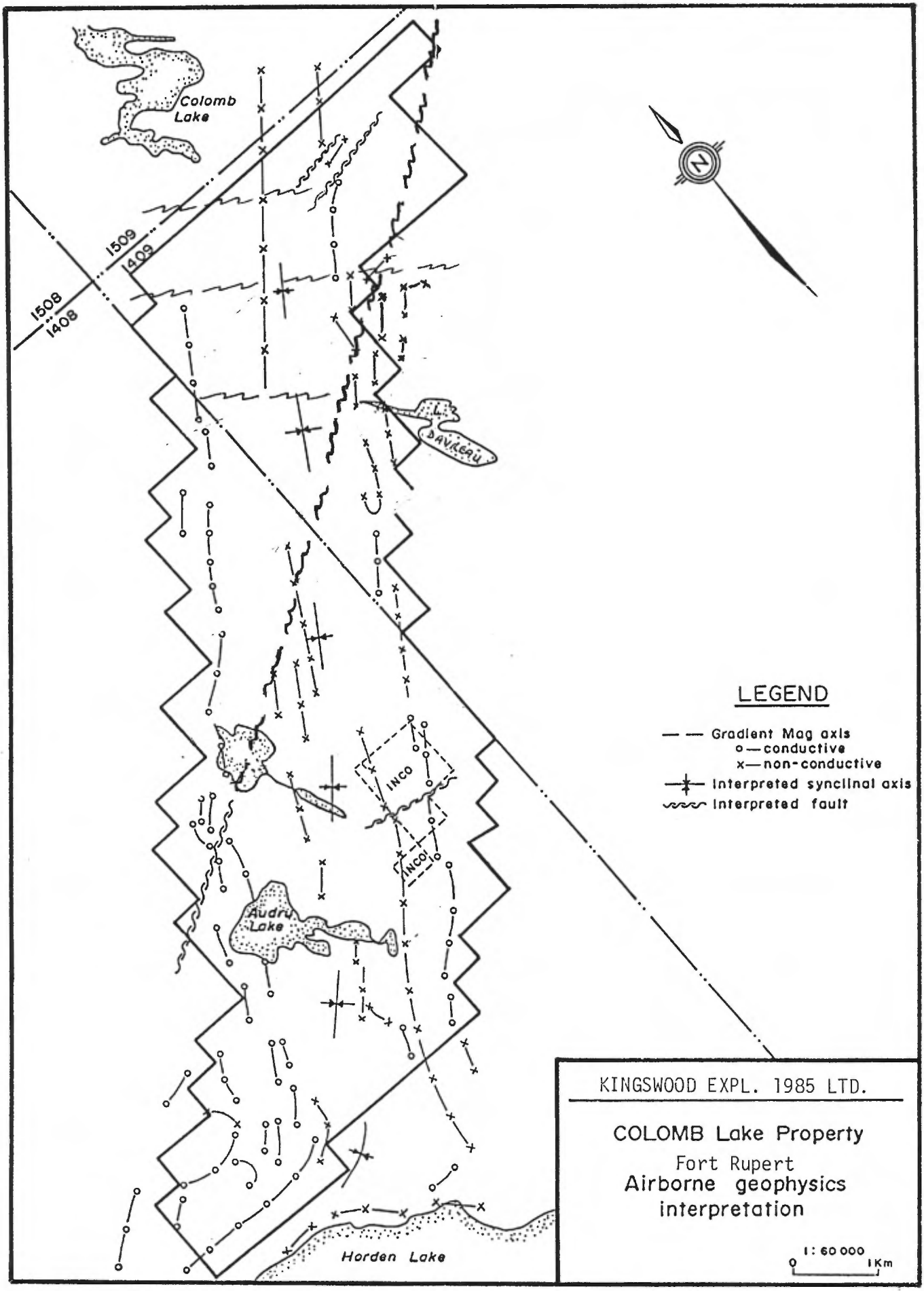

Colomb Lake
1509
1409
1508
1408
L. DAVIDEAU
INCO
INCO
Audry Lake
Horden Lake
N
LEGEND
Gradient Mag axis
o—conductive
x—non-conductive
Interpreted synclinal axis
Interpreted fault
KINGSWOOD EXPL. 1985 LTD.
COLOMB Lake Property
Fort Rupert
Airborne geophysics
interpretation
1:60 000
0
1Km

TABLE 1

Notes, anomalous samples; Bertrand Taquet, Geologist.

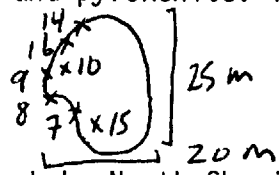
DB 24: outcrop 25x20m, several cmic quartz veins N70° (prob. subvertical) at the limit of the outcrop. Vein system visible over width of 1 metre. Host rock - green amphibolite, very hard; presence of anthophyllite. Priority 1

DB 23: beginning of a big hill; rusty zone in frost heave blocks, no direction noticed, qtz anthophyllite schist. Priority 1

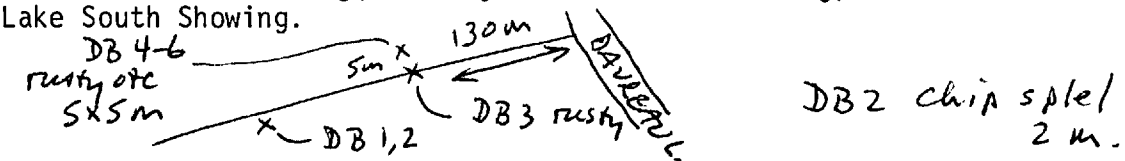
North showing DB 25-35; Ni Cu anomaly. Possible EW silicified gabbro, décametric size. No Au linked to silicification. Priority 3

DB 17-22: NNE shear zone in gabbro, visible and sampled over 100 metre length on the west side of a ridge. good smell of gold, little cpy in quartz chlorite schist with dissemianted chalcopyrite. Interesting to test to the west, under the overburden. Priority 2

DB 7-16: This target has been tested by two long Inco drill holes # 33273 & 33274. Foliation 140°/vert. highly magnetic in the western portion, and a little conductor 1x0.5m. Gabbro and pyroxenite. The pyroxenite is anomalous in nickel 0.66%. Priority 3

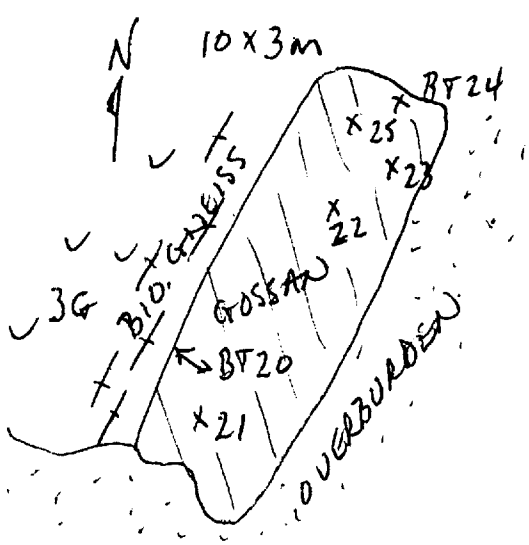


DB 1-6: Davreau Lake North Showing(formerly called Creek Showing) - looks like the Davreau Lake South Showing.



Lack of information (width of mineralization, direction) Horizon tested 100m north of showing and 200m south by a long hole and by packsack hole on the showing itself. Gold content should be explained for DB 1-3. Priority 1

BT 20-25: Davreau Lake South Showing (formerly called Ridge Showing). Gossan visible on the east side of a hill, approx 250x100m and underlain by gabbro. A stripped area shows a contact between gabbro and ? NE and dipping 80°W. three packsack drill holes observed, no channel sampling, blasting. BT 20 is a chip sample over 0.3m; BT 24 &25 are representative of 80% of the gossan, while BT 20-23 represents the chalcopyrite rich shears. Priority 1



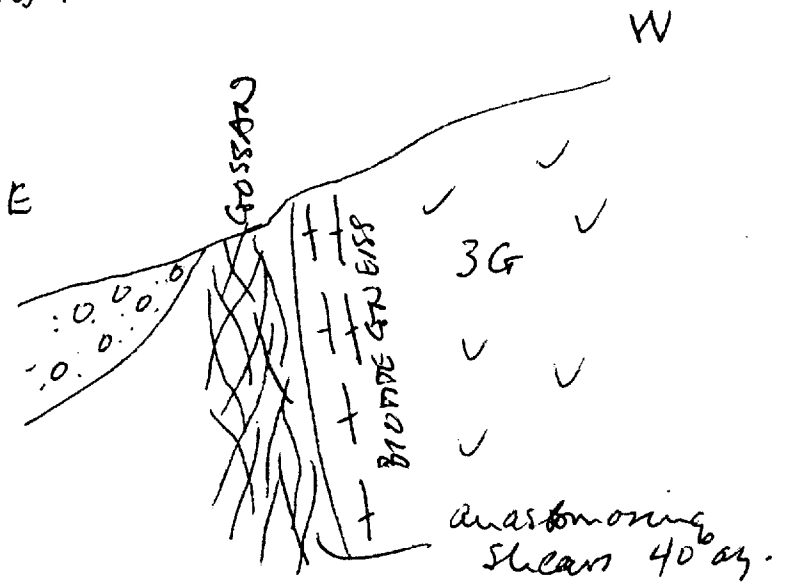
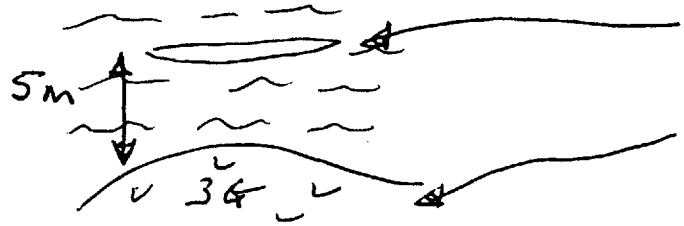


TABLE 1 cont'd

BT 06: Quartz biotite magnetitie rock, highly magnetic, little NS rusty lens with disseminated chalcopyrite. Gabbro 5m to west. Drilled by Inco, but this was not the target. Priority 2

BT 26,27: Moose Lake



subaquatic outcrop, EW vein with 2% cpy 4 cm wide with gneiss

gabbro, structure difficult to see, rock completely transformed to a green, coarse mica, with rare cpy bearing fractures.

anastomosing shear in this gabbro, trending 40^{o} carrying some cpy - like the sericite schist of Inco's deposit, with gold only where cpy occurs. Priority 2,3

BT 28,29: South of Lac Audru. Big hill of basalt with evidence of pillows. At the east side, rusty horizon, metric width minimum, not previously known; no associated conductor. two facies, bedded quartzite with 2-5% pyrite and 3-10% biotite; and coarse white mica rich rock 80% mica, 15% qtz, 2-5% pyrite. Priority 3

JC 1,2: North continuation of the Bédard showing; very coarse grained gabbro with quartz veining; large spots of pyrite and chalcopyrite; chalcopyrite in felsic parts of the rock. Priority 1

TABLE 2 (4 sheets)

Sheet 1

GRAB SAMPLES

Colomb/Horden North October, 1991

DB	..01	rusty, coarse quartzose metagabbro, disseminated chalcopyrite, minor pyrrhotite, sulphide 1-2% not sheared
	..02	as 01, chalcopyrite 5-10%
	..03	rusty, quartz metagabbro (bluish quartz), chalcopyrite, minor pyrite, pyrrhotite, sulphide 2-3%. not sheared
	..04	as 03, sulphide 3-10%
	..05	as 03, sulphide 4-6%
	..06	as 03, sulphide 5%
	..07	rusty, fine grained metagabbro, magnetite rich, disseminated chalcopyrite, minor pyrrhotite, sulphide 1-2%
	..08	as 07, except sheared, with pyrite along foliation planes; sulphide 4%
	..09	rusty fine grained metagabbro, sheared, pyrite along shear planes as above, sulphides 4-6%
	..10	rusty, sheared, fine grained pyroxenite, trace pyrite, pyrrhotite
	..11	rusty/buff weathering, sheared, medium grey, fine grained, sericitic felsic rock - syenite?. disseminated pyrite, less than 1%
	..12	rusty, sheared, dark grey, fine to medium grained pyroxenite, trace pyrite.
	..13	rusty, fine grained metagabbro (tremolite amphibole), 1% pyrite; sheared
	..14	dark grey quartzose metagabbro, fine grained, foliated, trace pyrite in quartz layers
	..15	buff weathering, fine grained quartzo-feldspathic horneblende gneiss, trace sulphi
	..16	rusty, strongly sheared, fine grained, dark grey metagabbro; pyrite 4-5%
	..16A	sericite/muscovite schist from shears cutting 16
	..17	coarse quartz/chlorite schist, trace pyrite, pyrrhotite; some very coarse, undirectional, hornfels-like textures in rock- contact metamorphic origin?
	..18	coarse quartz/tremolite rock - metagabbro? , clear quartz veins, disseminated pyrite
	..19	sheared (N60E) quartz chlorite schist; disseminated chalcopyrite, pyrite 5-10%
	..20	as 19
	..21	as 19, strongly sheared metagabbro, sericitic foliation planes; 2-3% chalcopyrite in foliation
	..22	dark grey, fine grained foliated metagabbro; chalcopyrite 1%
	..23	frost heave blocks; rusty quartz anthophyllite schist, disseminated pyrite, minor chalcopyrite in foliation. sulphides 4-6%

Sheet 2

Colomb/Horden North samples (2)

DB ..24 rusty anthophyllite rich rock (small fragments, collected from 3" vein in amphibolite)

..25 (large frost heave blocks up to 5m across) rusty, sheared, coarse grained metagabbro; disseminated pyrite, minor chalcopyrite, 3-6%

..26 coarse crystalline white feldspar, trace magnetite, in cross cutting contact with amphibolite

..27 rusty, coarse grained metagabbro, silicified, 1-2% pyrite

..28 rusty, medium grained silicified metagabbro, finely disseminated pyrrhotite, chalcopyrite in lighter coloured silicicpatches. sulphides 3-5%

..29 buff weathering, sheared, highly siliceous rock, medium crystalline, disseminated pyrrhotite, chalcopyrite 4-6%

..30 rusty, massive, medium grained silicified gabbro; silicic patches contain finely disseminated pyrrhotite, chalcopyrite 4-6%

..31 rusty/buff weathering, light grey fine grained silicic rock, probably metagabbro; streaks of chalcopyrite and a minor amount of an unidentified, platy, silver mineral associated with the chalcopyrite.

..32 buff weathering, siliceous metagabbro, as above; silicic patches containing finely disseminated pyrrhotite, chalcopyrite

..33 as 32

..34 as 32

..35 light grey, soft, banded, locally siliceous 1' wide mylonite zone (trending NS/vertical) cutting above rocks (32). trace pyrite.

..36 light grey, siliceous, gneissic rock, fine grained, horneblende 5%, disseminated magnetite partly replaced by pyrite 1%. (grab from core, hole#33273)

..37 siliceous, fine grained amphibolite, disseminated pyrite 2-3% (grab from core, hole#33273)

..38 quartz vein, containing streaks of pyrite, minor magnetite. sulphide 5% (2" grab sample from core, hole#33274)

..39 medium grained silicified amphibolite, few quartz veinlets; disseminated pyrite 1% (grab from core, hole#33274)

JC 1 coarse grained pyroxenite, locally brecciated, silicified. patches of pyrite/chalcopyrite. sulphides 4%

JC 2 fine grained pyroxenite, disseminated chalcopyrite 2%

JC 3 rusty, sheared metagabbro, abundant muscovite/sericite. sulphides 5-10% ?

Sheet 3

GRAB SAMPLES

Colomb/Horden South October, 1991

BT ..001 rusty, fine grained metagabbro, siliceous fractures, trace pyrite

..002 rusty, sheared, fine grained gabbro, very finely disseminated chalcopyrite, minor pyrite. sulphides 5%

..003 rusty, blocky, altered gabbro, some coarse grained pyrite 10%

..004 rusty quartzose rock, sheared, disseminated pyrite, chalcopyrite - 10%

..005 as 004, disseminated pyrrhotite, possibly some chalcopyrite. sulphides 30%

..006 rusty sheared quartzose rock, disseminated magnetite, chalcopyrite, 2% each.

..007 rusty, blocky, sausseritized quartz diorite, feldspars light green. interstitial pyrrhotite, chalcopyrite 2% total.

..008 rusty, coarse grained, dark green andesite, disseminated pyrrhotite, pyrite 1%

..009 rusty, blocky, medium grained pyroxenite, disseminated red garnet, no sulphides visible.

..010 rusty, blocky, coarse massive quartz, pyroxenitic material. 1/4" chrysotile seam. no visible sulphides.

..011 sheared quartzose rock containing some red garnets, mafic material. trace chalcopy.

..012 whitish weathering, spotted (lapilli?), light green chloritic rock, locally silicified, trace chalcopyrite.

..013 as above; magnetite, trace pyrite

..014 rusty, sheared, massive coarse grained pyrite, trace chalcopyrite

..015 rusty, blocky quartzose rock, pyrite 30%, trace chalcopyrite

..016 as above, but less sulphide.

..017 quartz feldspar horneblende rock, silicified amphibolite(?), trace py, cpy

..018 rusty, sheared, fine grained metagabbro, trace pyrite

..019 rusty, green fine grained banded quartzite containing finely disseminated pyrrhotit in bands. sulphide 2%

..020 rusty, sheared, coarse grained metagabbro. shears anastomosing, 1-2" wide, chalcopyrite content to 50%.

..021 as above, chalcopyrite content 20%, weathered cavities - probably carbonate

..022 as 020, cpy 20%

..024 rusty, medium grained metagabbro, chalcopyrite 2-5%

..025 as 024

..026 rusty, fine grained metagabbro, disseminated chalcopyrite 1-2%

..027 rusty, sheared, medium grained metagabbro, disseminated chalcopyrite 1-2%

..028 milky quartz vein material, chloritic selvedges, tremolite blades, very fine grained chalcopyrite, pyrite in trace amounts.

Sheet 4

Colomb/Horden South samples (2)

BT..029	rusty, very coarse grained muscovite/quartz rock, few specks chalcopyrite; metasediment or sheared pegmatite.
..030	rusty, blocky, fine grained quartzite, banded, contains disseminated py 10%
..031	massive pyrite from old core on SW side of Lac Audru
..032	large angular boulder near source. rusty, very heavy, thinly banded 1-2" amphibole/quartz/garnet rock. no visible sulphides.
..033	rusty, blocky, quartz metagabbro, medium grained; clear quartz containing weakly disseminated pyrrhotite occupies fractures in the rock - tension gashes?
..034	rusty, sheared, medium grained quartz metagabbro, trace pyrite, pyrrhotite, sphalerite (?)
..035	as 034
..036	as 034
..037	as 034

METRICLAB (1980) INC.
CASE POSTALE 150
STE-MARTHE SUR LE LAC (QUÉBEC) J0N 1P0
TÉLEX: 05-835543 / FAX: (514) 491-1074
TÉL.: (514) 473-0920

G.L. GEOSERVICES
111 - 7ieme Rue
ROUYN-NORANDA / Que.
J9X 1Z8

RÉSULTATS # 91-10-008 COMMANDE # PROJET # DATE: 91/10/28

PAGE: 1

Att.: M. Bertrand Taquet

RÉSULTATS D'ANALYSES/ASSAY REPORT

ÉCHANTILLONS SAMPLES	Cu ppm	Ni ppm	Zn ppm	Ag ppm	Au ppb	Au g/tm	Au oz/t				
DB-10-001	8990	1310			177	0.18	0.005				
DB-10-002	14040	2210			231	0.23	0.007				
DB-10-003	5050	1590			316	0.32	0.009				
DB-10-004	7820	1440			15						
DB-10-005	7380	990			70						
DB-10-006	5500	533			62						
DB-10-007					69						
DB-10-008					8						
DB-10-009					63						
DB-10-010					20						
DB-10-011					22						
DB-10-012	842	6630			23						
DB-10-013					59						
DB-10-014					60						
DB-10-015					12						
DB-10-016					50						
DB-10-016A					25						
DB-10-017					9						
DB-10-018					9						
DB-10-019	3170				142	0.14	0.004				
DB-10-020	3300	556	115		179	0.18	0.005				
DB-10-021	4920	500	64		10						

Sheet 1 TABLE 3 4 sheets 12

METRICLAB (1980) INC. H Blais.

METRICLAB (1980) INC.
CASE POSTALE 150
STE-MARTHE SUR LE LAC (QUÉBEC) J0N 1P0
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RÉSULTATS # 91-10-005 COMMANDE # PROJET # DATE: 91/10/28

PAGE: 1

Att.: M. Bertrand Taquet

RÉSULTATS D'ANALYSES/ASSAY REPORT

ÉCHANTILLONS SAMPLES	Cu ppm	Zn ppm	Ag ppm	Au ppb	Au g/tm	Au oz/t
DB-10-022 *				51		
DB-10-023	13050			1298	1.3	0.038
DB-10-024	8900			2470	2.5	0.072
DB-10-025 *	4815			115	0.12	0.003
DB-10-026				34		
DB-10-027				72		
DB-10-028				10		
DB-10-029				39		
DB-10-030				25		
DB-10-031	1934	31		23		
DB-10-032				22		
DB-10-033				37		
DB-10-034				38		
DB-10-035 *				6		
DB-10-036				4		
DB-10-037				4		
DB-10-038				40		
DB-10-039				4		

Sheet 2

13

LABORATOIRE: 3388 CHEMIN CKA. STE-MARTHE SUR LE LAC (QUÉBEC)

METRICLAB (1980) INC. L'Blais.

metriLAB (1980) INC.
CASE POSTALE 15C
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RÉSULTATS # 91-10-003 COMMANDE # PROJET # DATE: 91/10/28

PAGE: 1

Att.: M. Bertrand Taquet

RÉSULTATS D'ANALYSES/ASSAY REPORT

ÉCHANTILLONS SAMPLES	Cu ppm	Ni ppm	Zn ppm	Ag ppm	Au ppb	Au g/tm	Au oz/t
BT-91-001					21		
BT-91-002	121	62	67		12		
BT-91-003					5		
BT-91-004	222	154	480		41		
BT-91-005	285	322	36		52		
BT-91-006	3800				805	0.81	0.023
BT-91-007					6		
BT-91-008					9		
BT-91-009					8		
BT-91-010					23		
BT-91-011					7		
BT-91-012					20		
BT-91-013					4		
BT-91-014	95	105	32		9		
BT-91-015	46	70	190		10		
BT-91-016	173	98	43		46		
BT-91-017					7		
BT-91-018					11		
BT-91-019					7		
BT-91-020	13900	3280	78		91		
BT-91-021	14090	730	159		42		
BT-91-022	9200	980	118		46		
BT-91-023	14100	1030	179		40		

Sheet 3

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metriLAB (1980) INC H. Blais.

metriCLAB (1980) inc.
CASE POSTALE 15C
STE-MARTHE SUR LE LAC (QUÉBEC) J0N 1P0
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RÉSULTATS # 91-10-004 COMMANDE # PROJET # DATE: 91/10/28

PAGE: 1

Att.: M. Bertrand Taquet

RÉSULTATS D'ANALYSES/ASSAY REPORT

ÉCHANTILLONS SAMPLES	Cu ppm	Ni ppm	Zn ppm	Ag ppm	Au ppb	Au g/tm	Au oz/t
BT-91-024	2540	1646	56		32		
BT-91-025	5215	1140	108		50		
BT-91-026					375	0.38	0.011
BT-91-027	2880				309	0.31	0.009
BT-91-028	594				349	0.35	0.010
BT-91-029					108	0.11	0.003
BT-91-030					39		
BT-91-031					5		
BT-91-032	121	64	12		12		
BT-91-033					11		
BT-91-034					5		
BT-91-035					23		
BT-91-036					5		
BT-91-037					4		
JC-10-001	9450				198	0.20	0.006
JC-10-002	3260	1769	61		431	0.43	0.012
JC-10-003					25		

Sheet 4

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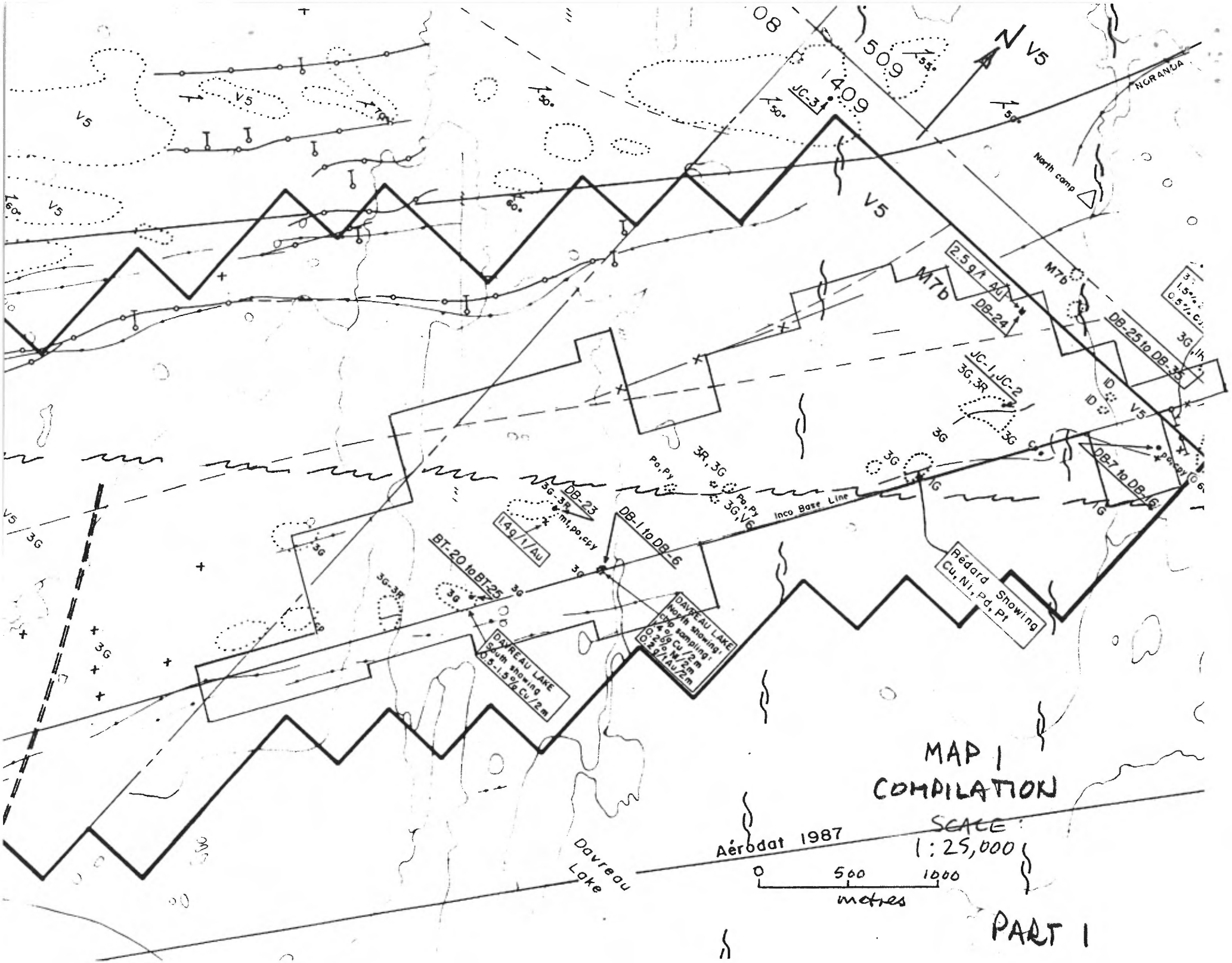
LABORATOIRE: 3388 CHEMIN OKA, STE-MARTHE SUR LE LAC (QUÉBEC)

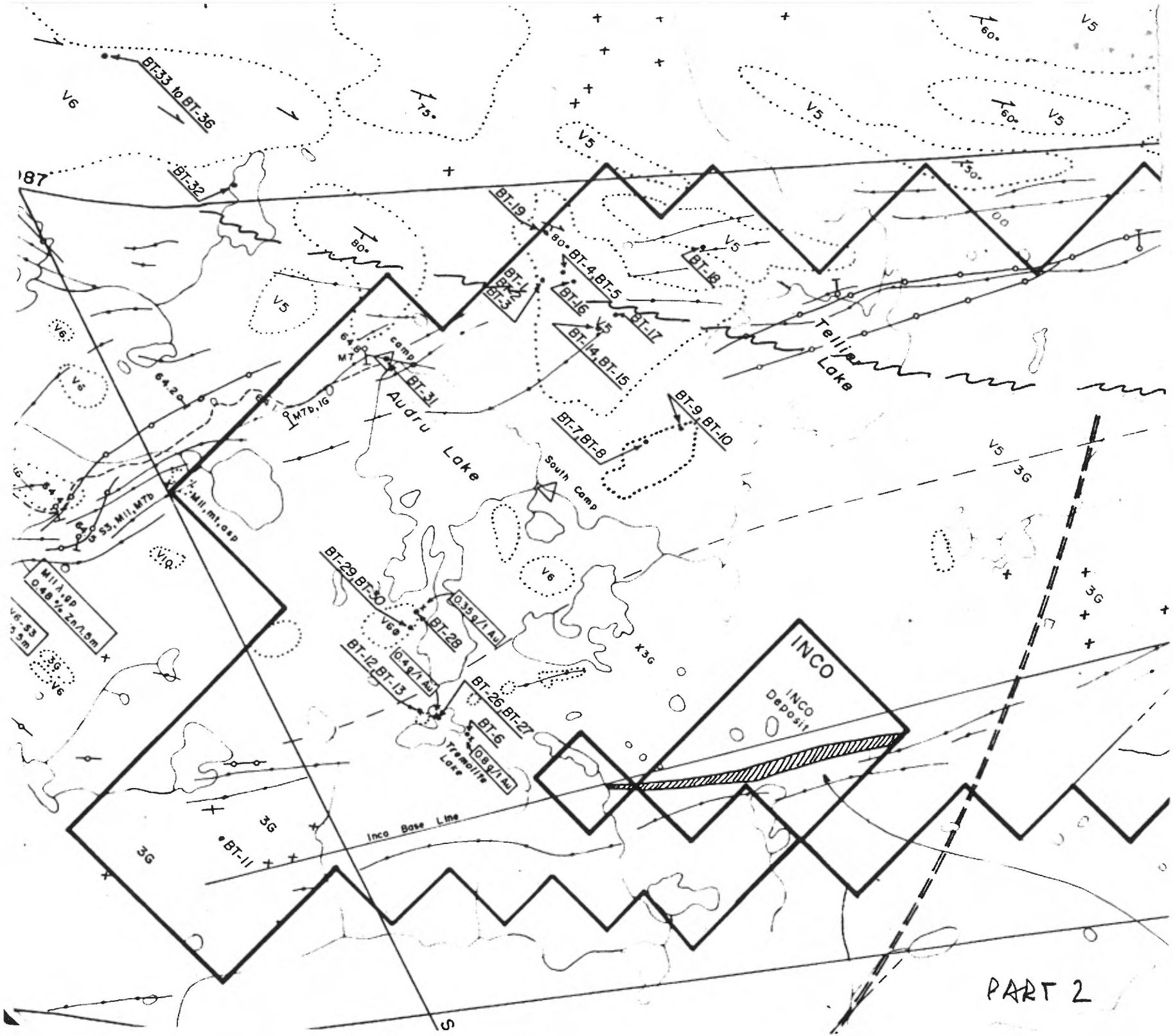
metriCLAB (1980) inc. H. Blais.

TABLE 4

Prioritized IP Target Areas

(A)	Priority 1	Inco horizon, moderate strength conductor, untested over 400 m. 7000' NE of Main Zone.
(B)	Priority 1	Inco horizon, v. strong mags, tight bend in horizon, few weak airbornes, untested.
(C)	Priority 3	weak airbornes, 5 lines
(D)	Priority 2	weak airborne, strong mag indicating deformation
(E,F)	Priority 1	Inco horizon, Davreau Lake showings, abundant weak but untested airbornes, DB 23 showing, 4 line airborne to N untested.
(G)	Priority 3	weak airborne, 3 lines
(H)	Priority 1	DB 24 mag horizon, weak airborne 2 lines
(I)	Priority 2	weak airborne, 5 lines
(J)	Priority 1	Inco horizon, pyroxenite/peridotite hosted nickel mineralization - DB 12 -, strong ENE fault system disrupting horizon
(K)	Priority 2	mineralized gabbro north of the Bédard showing


MAP 1
COMPILATION
Aérodat 1987
SCALE
1:25,000
0 500 1000
metres
PART 1
Davreau Lake
Inco Base Line
DB-23
DB-1 to DB-6
DB-24
DB-25 to DB-35
DB-7 to DB-16
BT-20 to BT-25
JC-1, JC-2
JC-3
149/1/Au
2.5 g/t Au
Réard Showing
Cu, Ni, Pd, Pt
DAVREAU LAKE
North showing
DAVREAU LAKE
South showing
0.5-1.5% Cu/2m
North camp
NORANDA
V5
M7b
3G
3R
Po, Py
mt, po, cpy


BT-33 to BT-36
BT-32
BT-19
BT-1
BT-2
BT-3
BT-4, BT-5
BT-16
BT-17
BT-18
BT-14, BT-15
BT-9, BT-10
BT-7, BT-8
BT-31
camp
Audru Lake
Telliste Lake
South Camp
BT-29, BT-30
BT-28
BT-12, BT-13
BT-26, BT-27
BT-6
Tremolite Lake
BT-11
Inco Base Line
INCO
INCO Deposit
Mill, mt, asp
Mill, MTb
V5
V6
3G
PART 2